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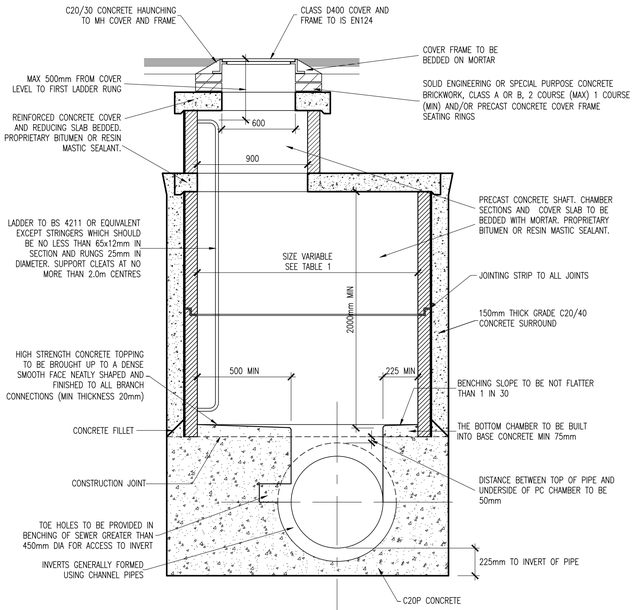
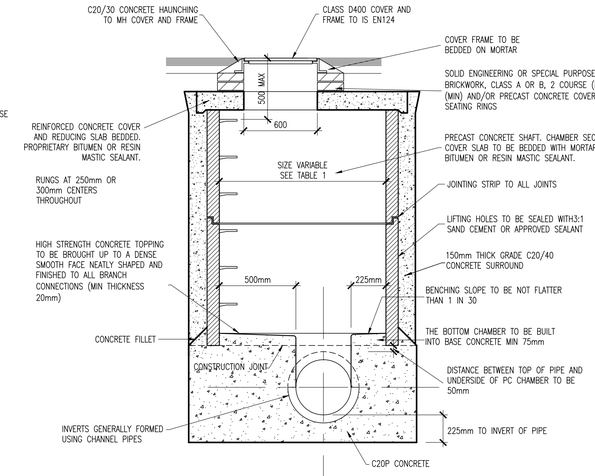
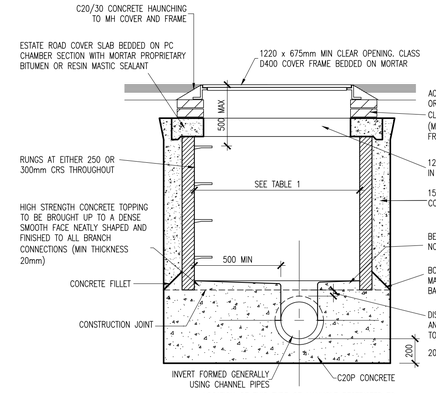
ON ORIGINAL

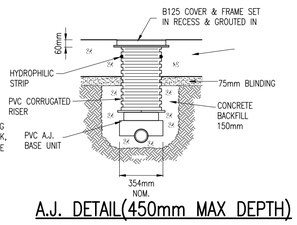
0 5 10 15 20 25 30 40 50mm



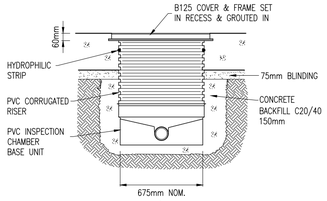




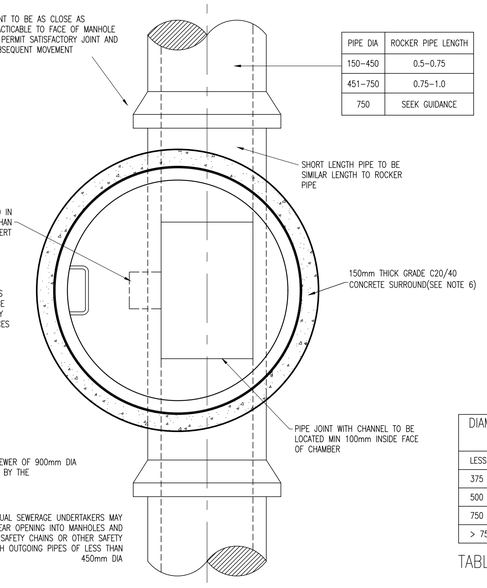
TYPICAL MANHOLE DETAIL – TYPE E
DEPTH TO SOFFIT 1.0 TO 1.35m
SCALE 1:25



A.J. DETAIL(450mm MAX DEPTH)

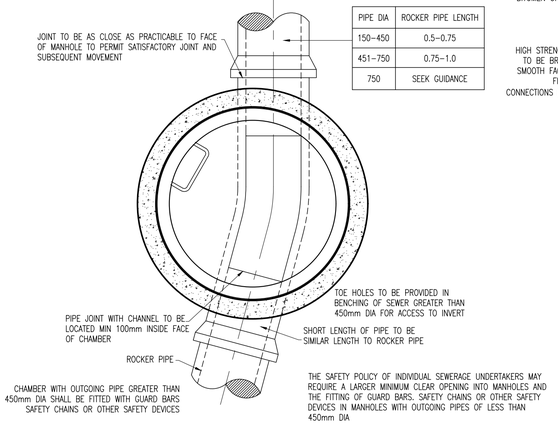


INSPECTION CHAMBER(1200mm MAX DEPTH)



PIPE DIA	ROCKER PIPE LENGTH
150–450	0.5–0.75
451–750	0.75–1.0
750	SEEK GUIDANCE

TYPICAL MANHOLE DETAIL – TYPE K
DEPTH TO SOFFIT 3 TO 6m
SCALE 1:25

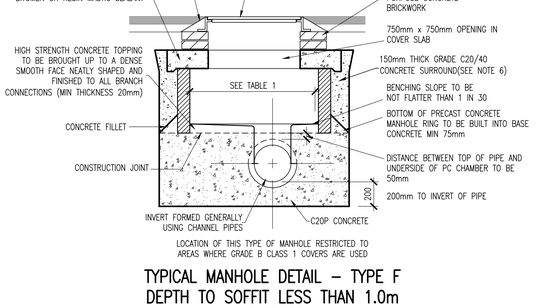


PIPE DIA	ROCKER PIPE LENGTH
150–450	0.5–0.75
451–750	0.75–1.0
750	SEEK GUIDANCE

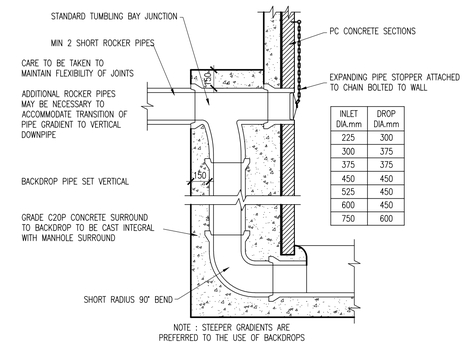
TYPICAL MANHOLE DETAIL – TYPE J
DEPTH TO SOFFIT 1.35 TO 3m
SCALE 1:25

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	CHAMBER SECTION DIAMETER (mm)
LESS THAN 375	1200
375 – 450	1350
500 – 700	1500
750 – 900	1800
> 750	PIPE SIZE + 1.3m

TABLE 1

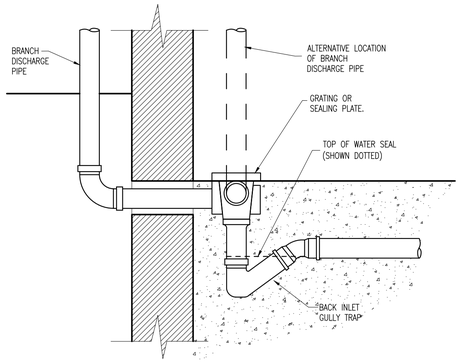


TYPICAL MANHOLE DETAIL – TYPE F
DEPTH TO SOFFIT LESS THAN 1.0m
SCALE 1:25

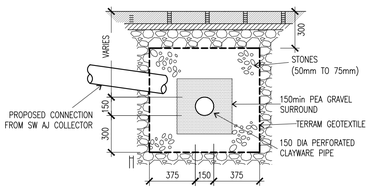


INLET DIA.mm	DROP DIA.mm
225	300
300	375
375	375
450	450
525	450
600	450
750	600

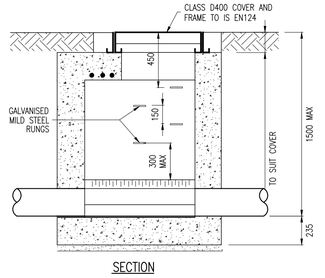
TYPICAL VERTICAL BACKDROP DETAIL
SCALE 1:25



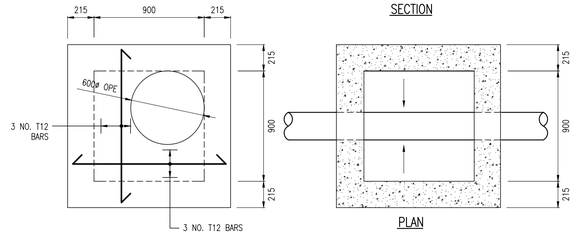
BACK INLET GULLY TRAP



TYPICAL FILTER DRAIN



SECTION



TYPICAL INSITU SHALLOW MANHOLE DETAIL
SCALE 1:25

NOTES:

1. WATERMAIN TO BE 150/100mm DIA. PVC–A TO BS PAS27 (MIN. 10 BAR) EXCEPT UNDER ROADWAYS WHERE DUCTILE IRON IS TO BE USED.
2. AT 90 DEG. TURNS USE 2 No. 45 DEG. BENDS.
3. MINIMUM COVER TO WATERMAIN TO BE 900mm.
4. SPIGOT SOCKET CONNECTIONS TO BE USED AT PVC–A/DUCTILE IRON JUNCTIONS.
5. ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AT EACH SIDE OF HYDRANTS AND VALVES.
6. HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
7. HYDRANTS SHALL BE MANUFACTURED IN ACCORDANCE WITH BS 750: 2006 TYPE 2 AND SHALL INCORPORATE A SCREWDOWN VALVE, UNDERGROUND "GUIDE IN LOAD" TYPE WITH BAYONET LEG OUTLETS AND FABE SPINDLE CAP OF CAST IRON AND IRON CHAIN. HYDRANT VALVE SHALL BE "ANTI CLOCKWISE OPENING".
8. SLUICE VALVES SHALL COMPLY WITH THE REQUIREMENT OF BS5163. THEY SHALL "CLOSE BY TURNING ANTI CLOCKWISE".
9. VALVES AND HYDRANTS WHEN INSTALLED SHALL BE COVERED WITH APPROVED HEAVY DUTY METAL SURFACE COVERS. THESE COVERS MUST CONFORM WITH THE LOCAL AUTHORITY SPECIFICATIONS. COVERS TO BE HEAVY DUTY METAL COVERS TO IS EN 124.
10. INDICATOR PLATES SHALL CLEARLY IDENTIFY HYDRANT, AIR VALVE AND SLUICE VALVE LOCATIONS AND BASE BOARD LOCATIONS SHALL BE APPROVED BY THE LOCAL AUTHORITY. FIXED LETTERINGS SHALL COMPLY WITH BS3251. BACKGROUND COLOUR YELLOW TEXT COLOUR BLACK.
11. DRAINAGE MUST BE PROVIDED TO ENSURE THAT THE CHAMBERS CANNOT BECOME FLOODED WITH SURFACE OR GROUND WATER.
12. ALL SERVICE PIPES, CONNECTIONS AND WATER CONTROL UNITS SHALL BE AS PER OVERSEEING LOCAL AUTHORITY REQUIREMENTS.
13. ALL WATERMAINS SHALL BE TESTED IN ACCORDANCE WITH SPECIFICATION & LOCAL OVERSEEING AUTHORITIES GUIDELINES FOR DRINKING WATER SUPPLY.
14. CONNECTION TO EXISTING WATERMAIN TO BE CO–ORDINATED WITH LOCAL OVERSEEING AUTHORITY.
15. CONTRACTOR TO LIASE WITH LOCAL OVERSEEING AUTHORITY FOR TESTING CLEANSING AND STERILISATION OF NEW WATERMAINS.
16. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE NRA SPECIFICATION FOR ROAD WORKS UNLESS OVERRIDDEN BY LOCAL OVERSEEING AUTHORITY'S STANDARDS
17. ALL ROAD MARKINGS & SIGNS SHALL COMPLY FULLY WITH THE TRAFFIC SIGNS MANUAL PUBLISHED BY THE DEPARTMENT OF TRANSPORT, JUNE 2010.
18. SIGNS & MARKINGS: CONTRACTOR TO CONFIRM PRECISE SETTING OUT WITH EMPLOYERS REPRESENTATIVE PRIOR TO COMPLETION.
19. ALL SIGNS TO BE MOUNTED ON 76.1MM GALVANISED STEEL POSTS WITH COLOURED SLEEVES U.N.O. TO SPECIFICATION AND IN ACCORDANCE WITH THE TRAFFIC SIGNS MANUAL: MOUNTING HEIGHT TO BOTTOM OF SIGN = 2.3M U.N.O.
20. ALL TRAFFIC MANAGEMENT TO COMPLY FULLY WITH THE PROVISIONS OF CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL
21. ALL CO–ORDINATES ARE TO ITM.
22. ALL LEVELS ARE TO ORDNANCE DATUM AND ARE IN METRES
23. ALL EXISTING SIGNS (INCLUDING POLES) AND MARKINGS TO BE TAKEN UP OR COVERED AND TEMPORARY MEASURES APPLIED IN ACCORDANCE WITH CONTRACTORS TRAFFIC MANAGEMENT PLAN. THE CONTRACTOR MAY USE EXISTING SIGNAGE AS PART OF THEIR TRAFFIC MANAGEMENT PLAN.
24. ALL EXISTING CHAMBERS AND ACCESS POINTS TO REMAIN CLEAR OF OBSTRUCTION THROUGHOUT WORKS. CHAMBERS SHALL BE REBUILT/RETAINED IN POSITION IDENTIFIED ON SITE SERVICES LAYOUT DRAWING.
25. ALL PEDESTRIAN, CYCLE AND VEHICULAR ROUTES MUST BE RETAINED IN ACCORDANCE WITH APPROVED TRAFFIC MANAGEMENT PLAN.
26. ALL MATERIALS TO BE DISPOSED OFF SITE SHALL BE TAKEN TO A LICENSED FACILITY APPROVED BY THE LOCAL OVERSEEING AUTHORITY

rev	date	description	by	chkd.
P03	09-06-22	PLANNING SUBMISSION	ICJ	NOH
P02	23-02-22	Formal Submission	PLY	NOH
P01	21-01-22	FOR PLANNING	PLY	NOH

client approval
- A - Approved
- B - Approved with comments
- C - Do not use

suitability: S4 - STAGE APPROVAL
issue purpose: PLANNING

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project ref.

BALLYOULSTER KDA SHD - PHASE 1
RESIDENTIAL DEVELOPMENT

drawing title

SURFACE WATER TYPICAL CONSTRUCTION DETAILS SHEET 1

client

KIERAN CURTIN, RECEIVER OVER CERTAIN ASSETS OF MAPLEWOOD DEVELOPMENTS UNLIMITED COMPANY

designed by	author	scale	sheet size
GIS	RMC	AS SHOWN	A1

drawing no.: 180221-DBFL-SW-SP-DR-C-5000
revision: P03