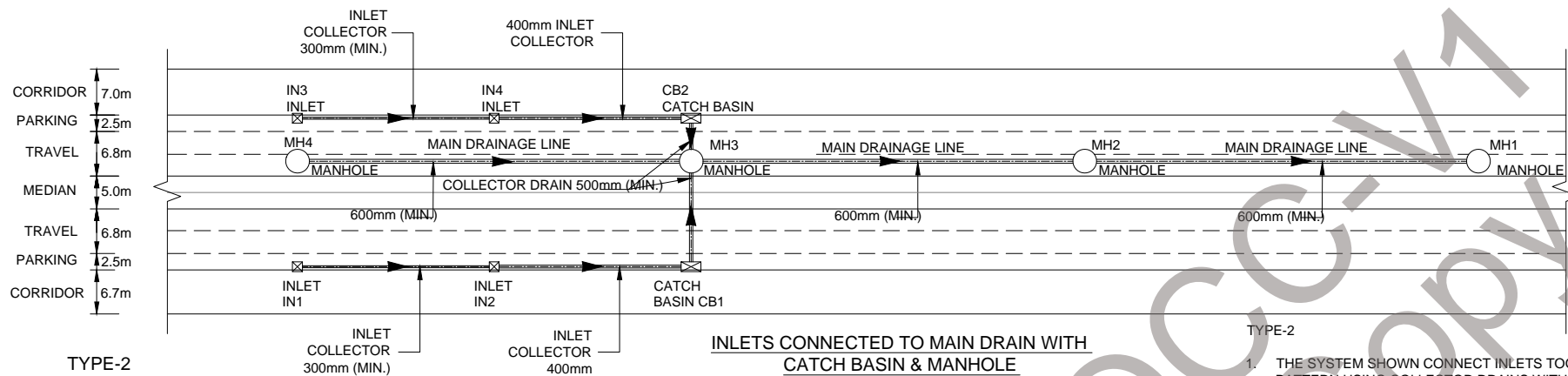


TYPE-1

1. INLET CONNECTIONS SHALL BE INSTALLED IN STRAIGHT ALIGNMENT ON A MINIMUM UNIFORM SLOPE OF 1 PERCENT.
2. MAXIMUM NUMBER OF INLETS CONNECTED TO MANHOLE IS FOUR.
3. MAXIMUM LENGTH OF INLET CONNECTION DRAINS IS 35m.
4. PROPOSED STORM WATER DRAINAGE PIPE LINES AND MANHOLES SHALL FOLLOW THE PROPOSED INFRASTRUCTURE FRAMEWORK PLAN AND UTILITY CORRIDORS MANUAL.
5. THIS TYPE OF DRAINAGE NETWORK IS COMMONLY USED IN AREAS WITH LOW IMPACT OF SANDSTORMS AND LOW GROUND WATER LEVEL SUCH AS AL AIN CITY, OR AS DIRECTED BY THE ENGINEER.



TYPE-2

1. THE SYSTEM SHOWN CONNECT INLETS TOGETHER IN A LINEAR PATTERN USING COLLECTOR DRAINS WITH 300mm OR 400mm DIAMETER PIPES BETWEEN INLETS UP TO DOWN STREAM CATCH BASIN.
2. 500mm DIAMETER COLLECTOR PIPES CONNECT THE DOWNSTREAM CATCH BASIN IN THE SERIES TO THE STORM WATER MAIN DRAIN MANHOLES.
3. THIS TYPE OF DRAINAGE NETWORK IS COMMONLY USED IN AREAS WHICH HAVE HIGH GROUND WATER LEVEL AND SANDSTORMS SUCH AS ABU DHABI CITY OR AS DIRECTED BY THE ENGINEER.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
2. ALL MATERIALS, FABRICATION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND VERIFIED BY ENGINEER.
3. IF THERE IS A DISCREPANCY BETWEEN THE REQUIREMENTS IN THE SPECIFICATIONS AND THOSE SHOWN ON THIS DRAWING, THE SPECIFICATIONS SHALL BE FOLLOWED .
4. FOR PIPE TRENCH BEDDING AND PROTECTION DETAILS REFER TO DWG. No. N-215.
5. PIPE MATERIAL COMMONLY USED IN ABU DHABI IS AS FOLLOWS;
FOR DIA ≤500 USE uPVC OR GRP
FOR DIA >500 USE RC
6. THE PIPE MATERIAL SHALL BE SPECIFIED OR AS DIRECTED BY THE ENGINEERS ON SITE.

LEGEND:

- STORM WATER MAIN PIPELINES
- MANHOLE (MH)
- FLOW DIRECTION
- CATCH BASIN
- INLET

REFERENCE DRAWINGS AND DOCUMENTS

No.	REVISIONS	APP'D	DATE
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CLIENT

TITLE
STANDARD DRAWINGS
MAIN ROADS

DRAWING TITLE
SURFACE DRAINAGE SAMPLE
STORM DRAINAGE LAYOUT PLAN
-(TYPE 1 & TYPE 2) AND UTILITY
DISPOSITION SECTION

DRAWN	-	SCALE	N.T.S
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	N-229