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1253 Lever Road, Windway Hill
Midrand, South Africa

STANDARD DETAILS
K7N SCHOOLS UPGRADE

<p>  UNIVERSITY OF NORTH CAROLINA CHapel Hill </p>	<p>  UNIVERSITY OF NORTH CAROLINA CHapel Hill </p>
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FILE NAME	

PAGE 4 OF 4	DATE	2022/08/06	2023 No	01
A1	1.00210.00C-01A12-00			

BEDDING NOTES:

- 1) SELECTED BACKFILL CLASS I IMPLIES APPROVED REFERENCE TO THE STANDARD SPECIFICATION, FREE FROM STONES AND WITH AN OPTIMUM MOISTURE CONTENT.
- 2) SELECTED BACKFILL CLASS II IMPLIES SELECTED REFERENCE TO THE STANDARD SPECIFICATION, SHALL NOT CONTAIN ANY STONES LARGER THAN 10mm.
- 3) APPROVED BEDDING GRADE SHALL CONSIST OF AN APPROVED SELECTED GRAVEL MATERIAL WITH A FINOT EXCEEDING 6 FREE FROM STONES EXCEEDING 20mm, ORGANIC MATTER AND LUMPS OF CLAY.
- 4) CLASS "X" BEDDING/ENCASING CONCRETE IMPLIES A 100mm THICK CONCRETE BEDDING/ENCASING WITH A 10mm THICK SOFT BOARD CONTINUOUS OPERATION USING CLASS 20/0 CONCRETE.
- 5) FLEXIBLE JOINTS MUST BE PROVIDED AT EACH JOINT AND MUST BE PROTECTED BY A 10mm THICK SOFT BOARD PLACED VERTICALLY FOR THE ENTIRE CONCRETE ENCLOSURE TO PREVENT SLUSH FROM PENETRATING THE JOINT.
- 6) THE PIPE, THE BRANCH OF THE TRENCH MAY BE BACKFILLED WHEN THE CLASS "X" BEDDING/ENCASING IS PROVIDED AND THE COMPRESSIVE STRENGTH OF 10MPa.

CLASS A BEDDING FOR RIGID PIPELINE
SCALE 1:10

CLASS B BEDDING FOR RIGID PIPELINE
SCALE 1:10

CLASS B BEDDING FOR FLEXIBLE PIPELINE
SCALE 1:10

CLASS "A" BEDDING DETAIL
SCALE 1:10

PIPE ENCASING DETAIL
SCALE 1:10

SECTION SHOWING FLEXIBLE JOINTS IN CONCRETE ENCASING

CONCRETE ENCASING
W = 100mm FOR PIPES ≤ 225mm NOMINAL DIAMETER,
W = 150mm FOR PIPES BETWEEN 225mm AND 450mm NOMINAL DIAMETER.

CLASS "X" CONCRETE BEDDING
12mm SOFT BOARD

REINFORCED CONCRETE PIPE
SEE NOTE 5.

GRAVE 20/0 CONCRETE

CLASS "X" BEDDING DETAIL
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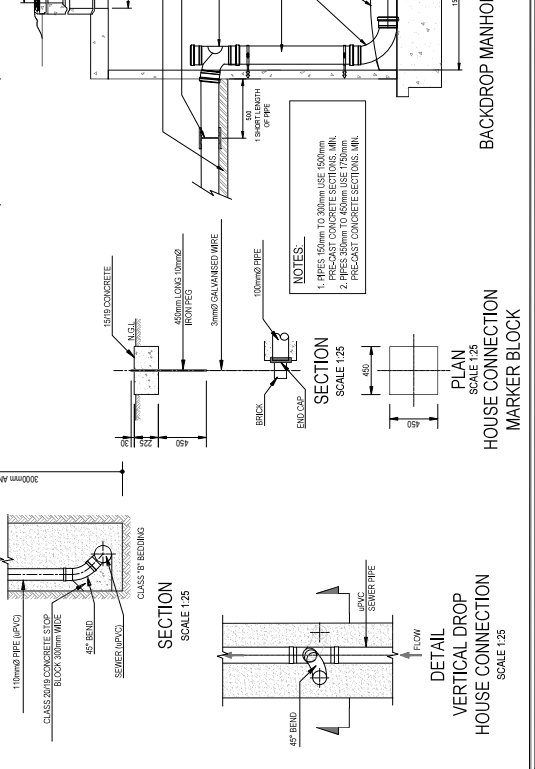
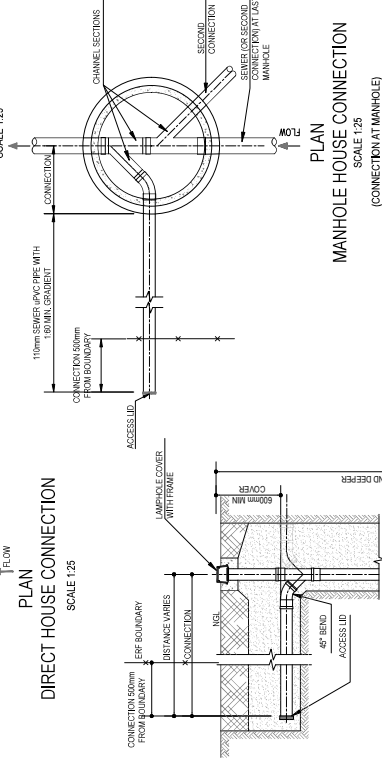
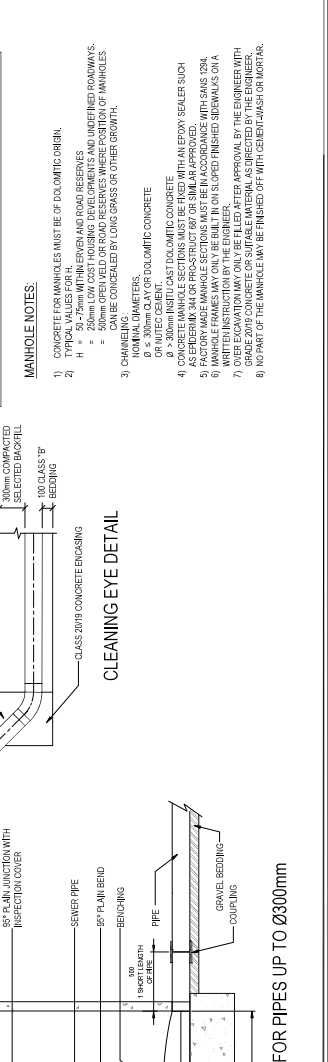
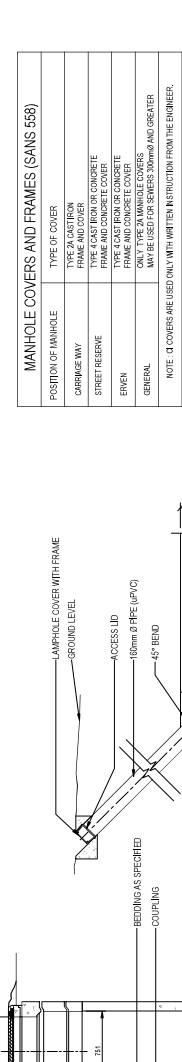
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DBSA
DIPARTIMENTO DI SCIENZE E INFORMATICA

STANDARD DETAILS
K2N SCHOOLS IIRCBAD


DRAWING TITLE	PROJECT IDENTIFYING
SEWER CONNECTION DETAILS AND MANHOLE DETAILS	

PAGE 100 SCALE A1	DATE 20220504	DRAWN TE	DWG No 11020-102-01005-10	JH	01




PROJECT NO.	1000000000	DATE	2020/09/01
PROJECT NAME	STORMWATER STRUCTURE DETAILS	PROJECT NO.	1000000000
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Midrand, South Africa

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Code	Gabion Basket Size	Total Number
A	1x1x1	2
B	2x1x1	12
C	2x1x0.5	16
F	1x1x0.5	2
Code	Reno and Revet Mattress Size	
D	4x4x0.3	2
E	4x3x0.3	2

