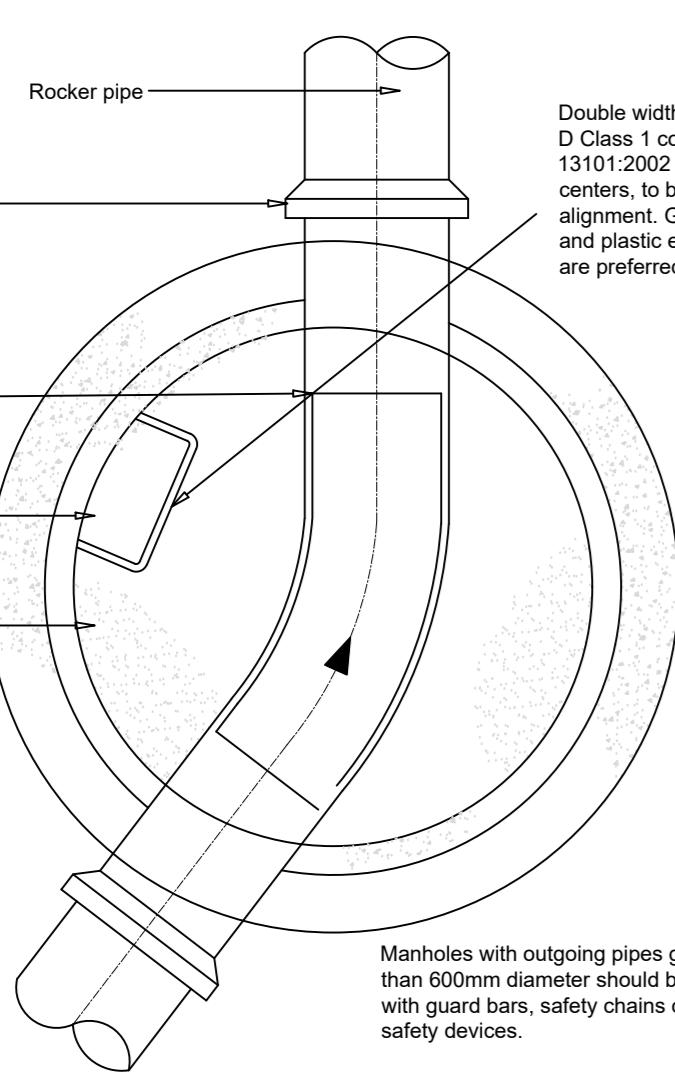


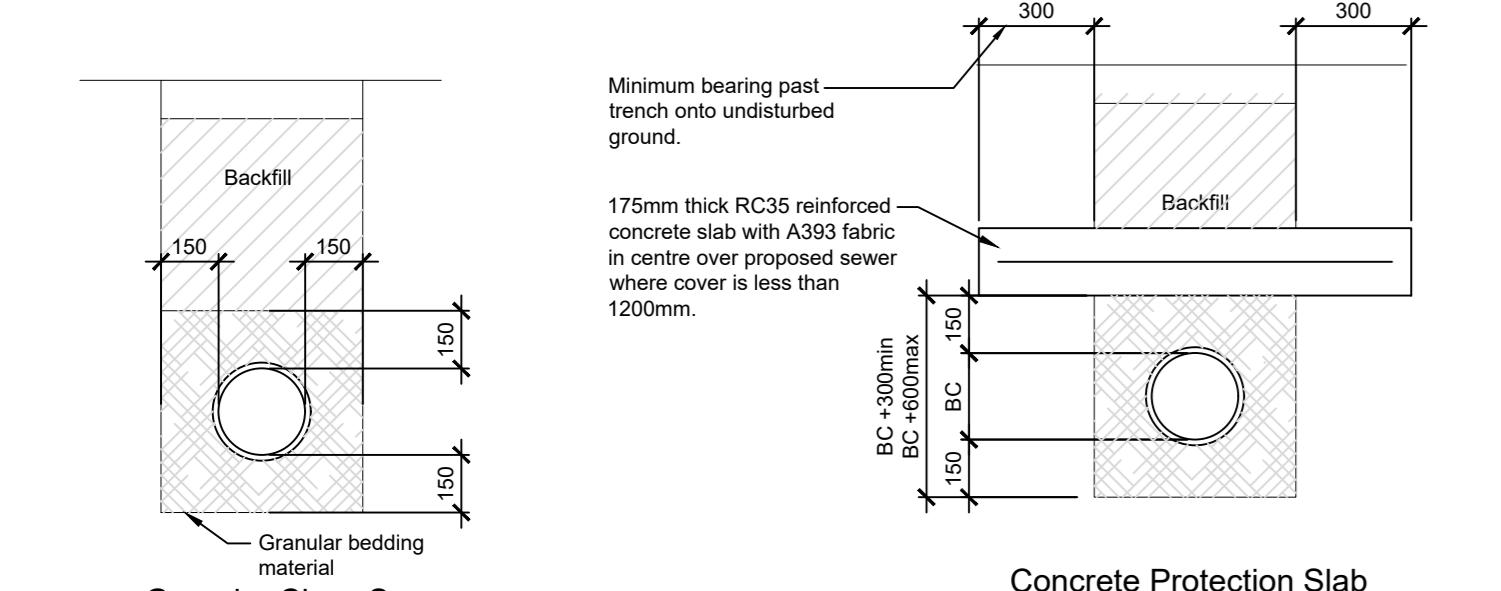
Manhole Type A -
For use on manholes of depth from cover level to soffit level between
3.0m and 6.0m
(In accordance with SSG)

Scale 1:20



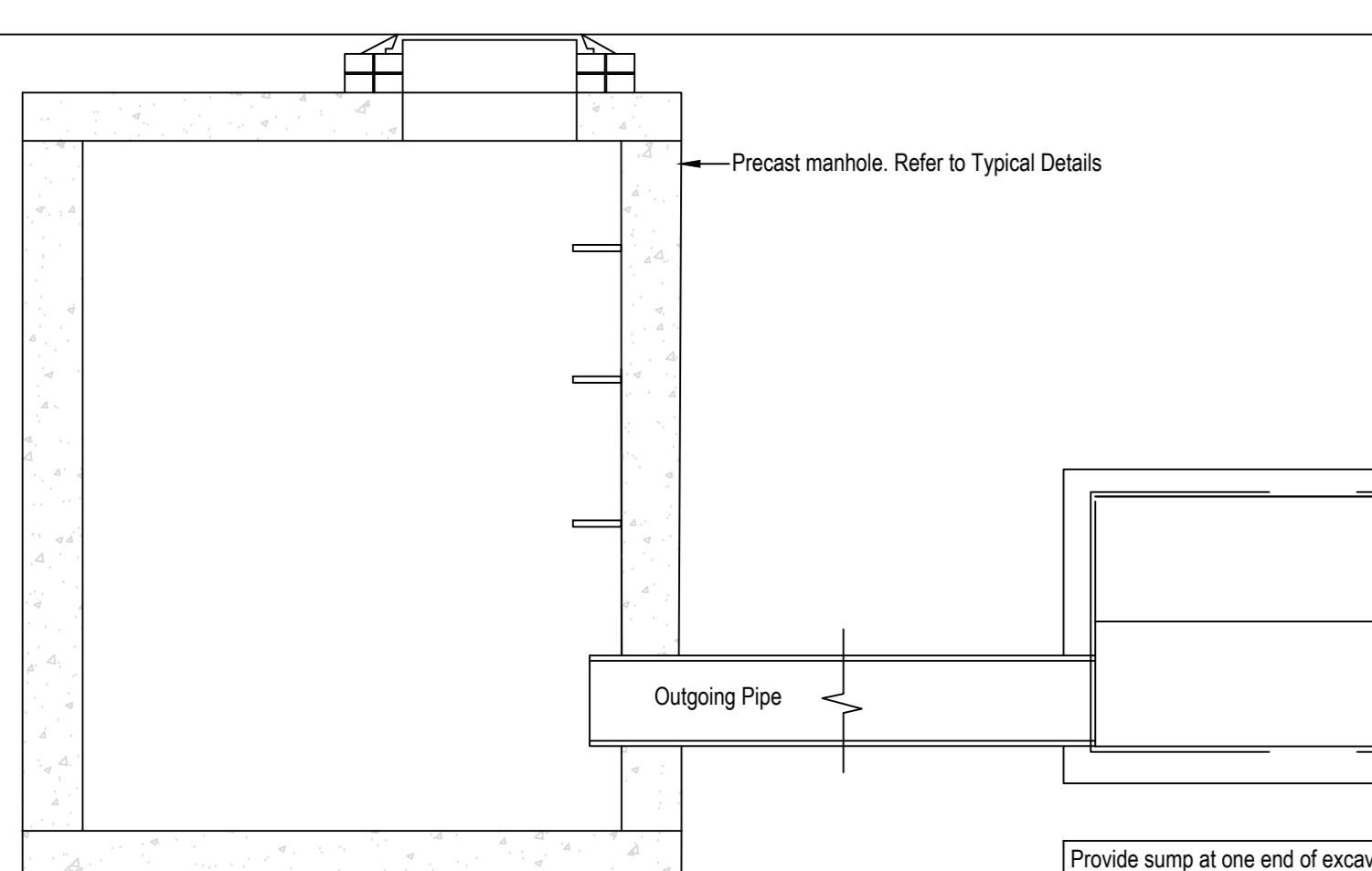
Typical Manhole Plan
(In accordance with SSG)

Scale 1:20



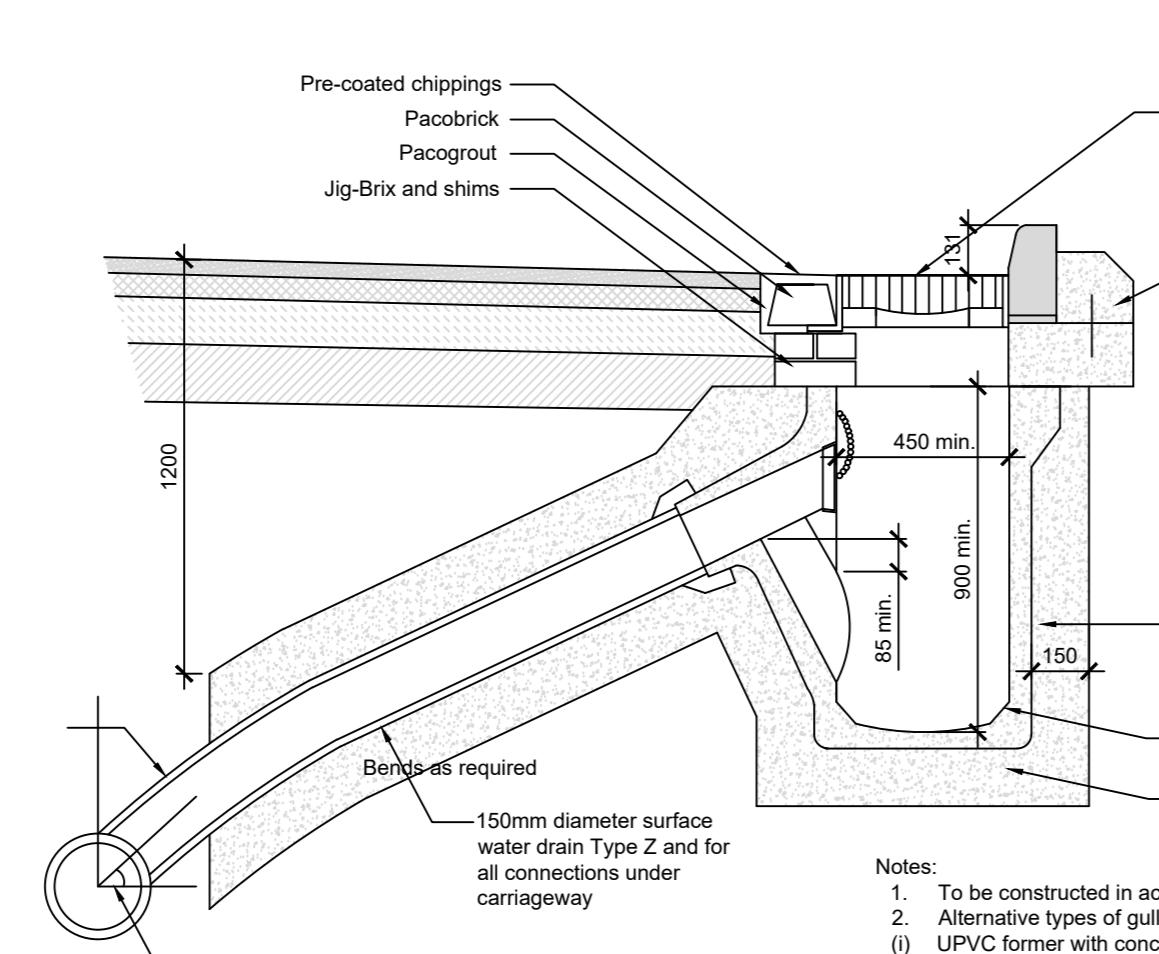
Pipe Bedding Details

Scale 1:20



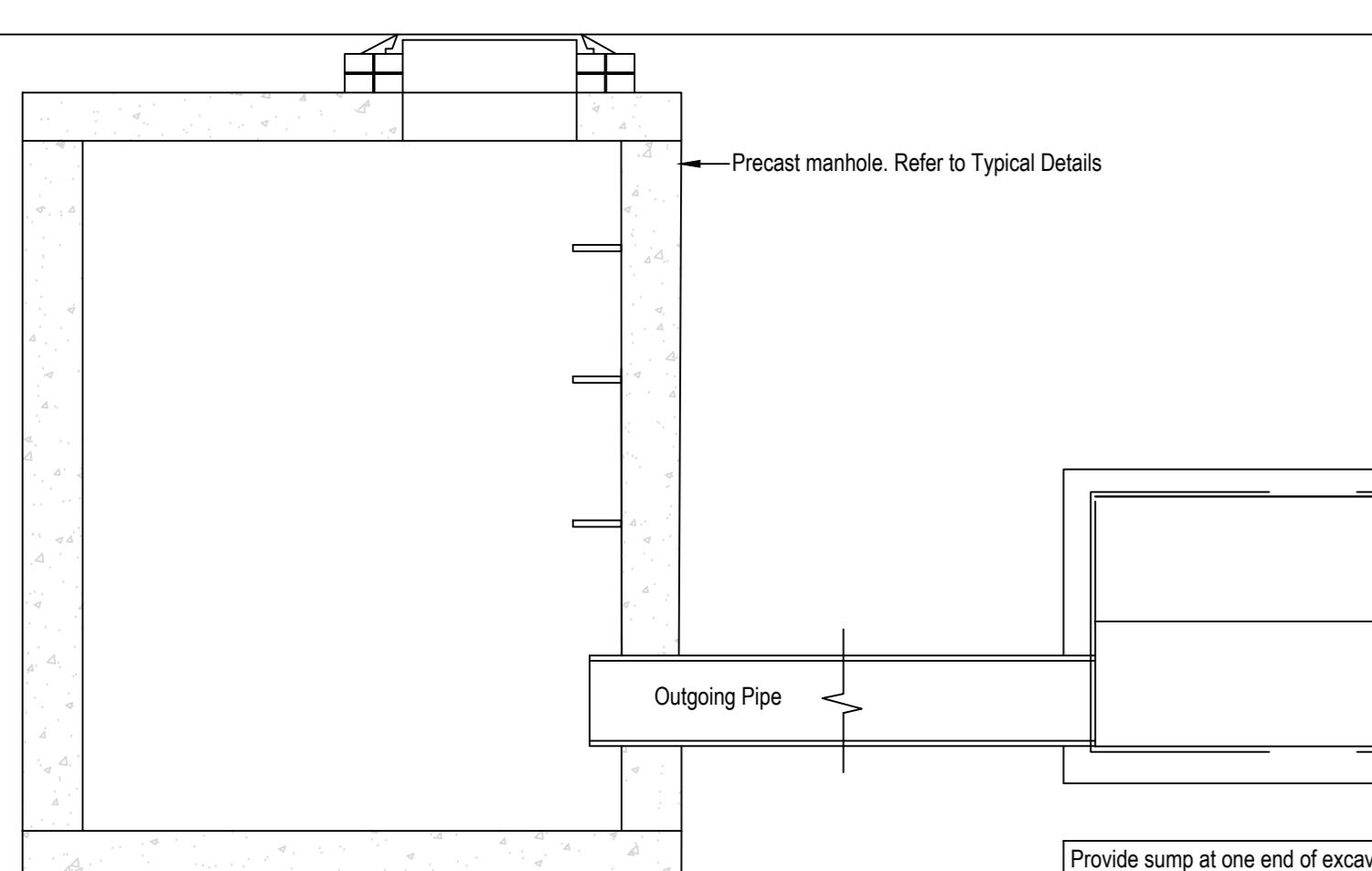
Typical Wavin Attenuation Rates Detail

Scale 1:20



Manhole Type C
(In accordance with DCG)

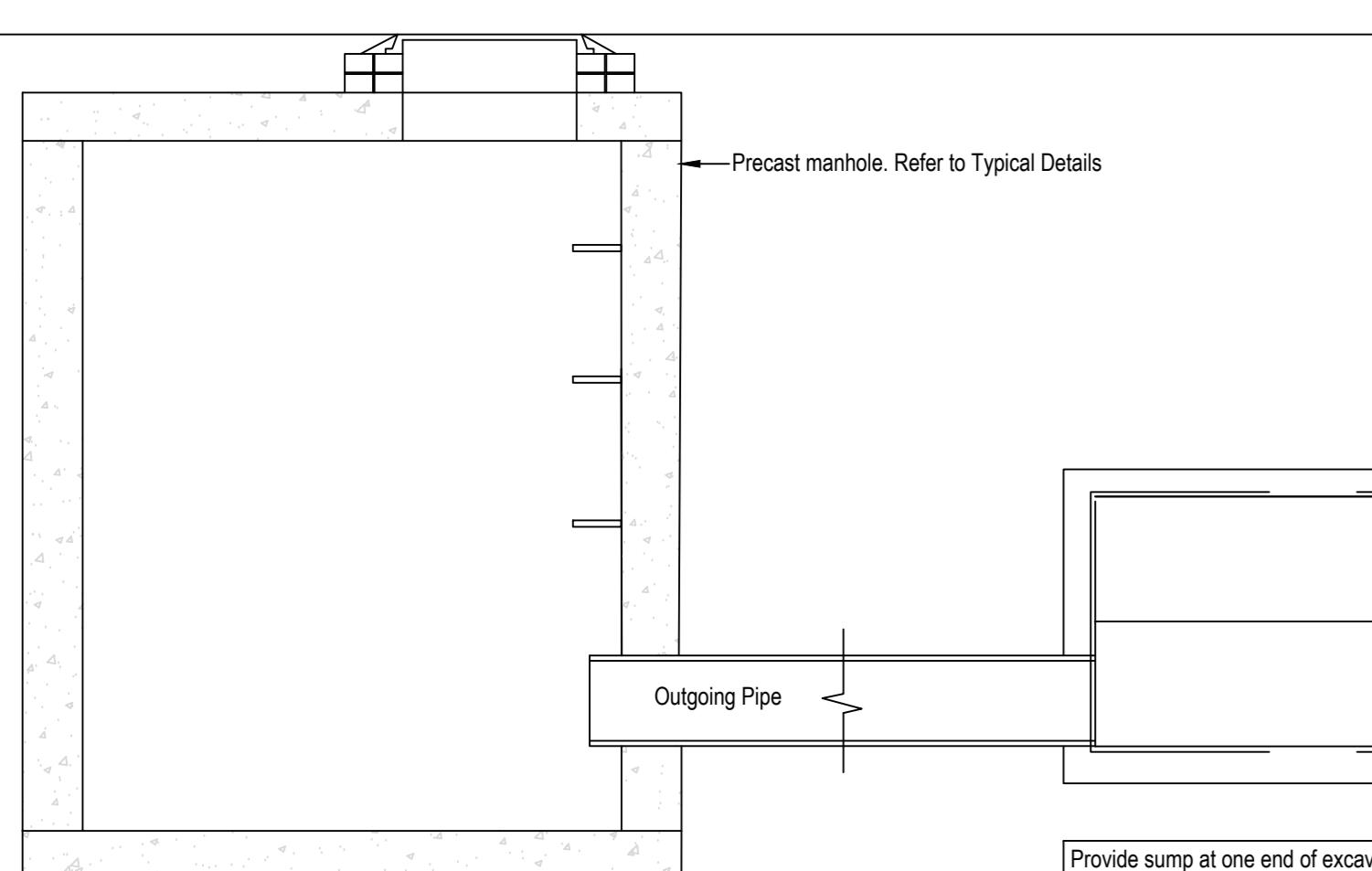
Scale 1:20



Gully Detail

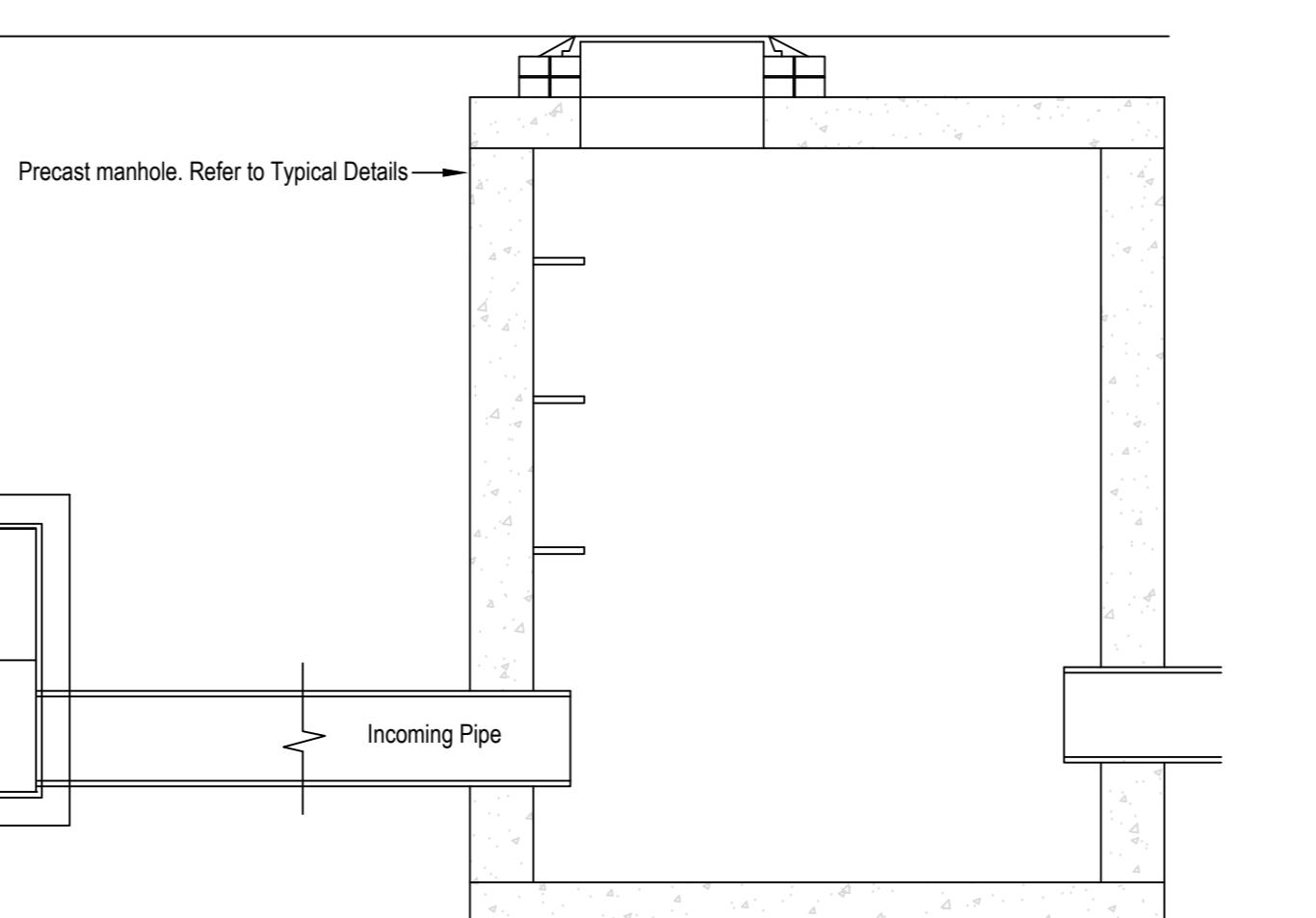
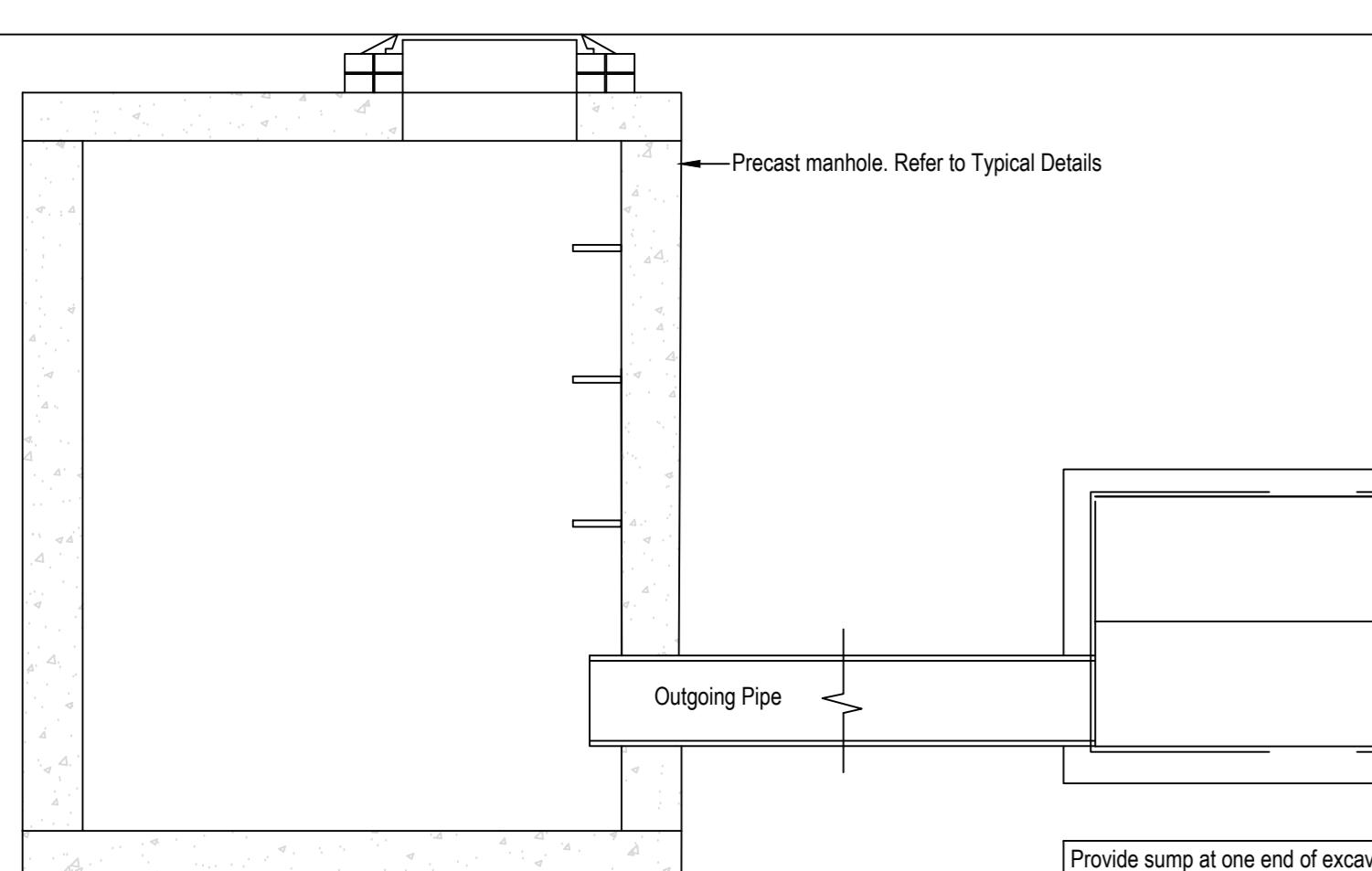
Scale 1:20

In accordance with NCC
standard detail SD 510/4R



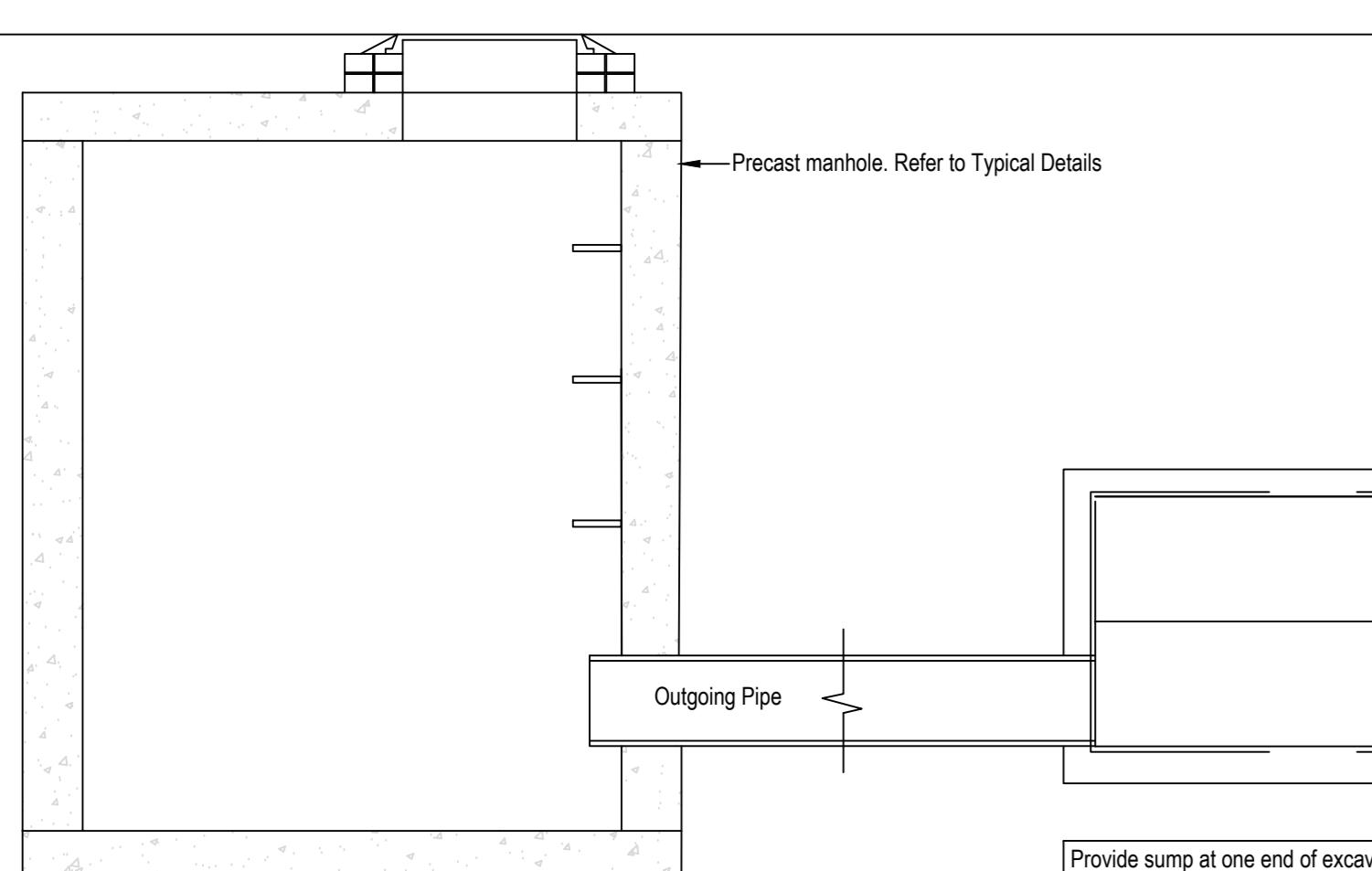
Typical Vent Detail to Attenuation Units

Scale 1:20



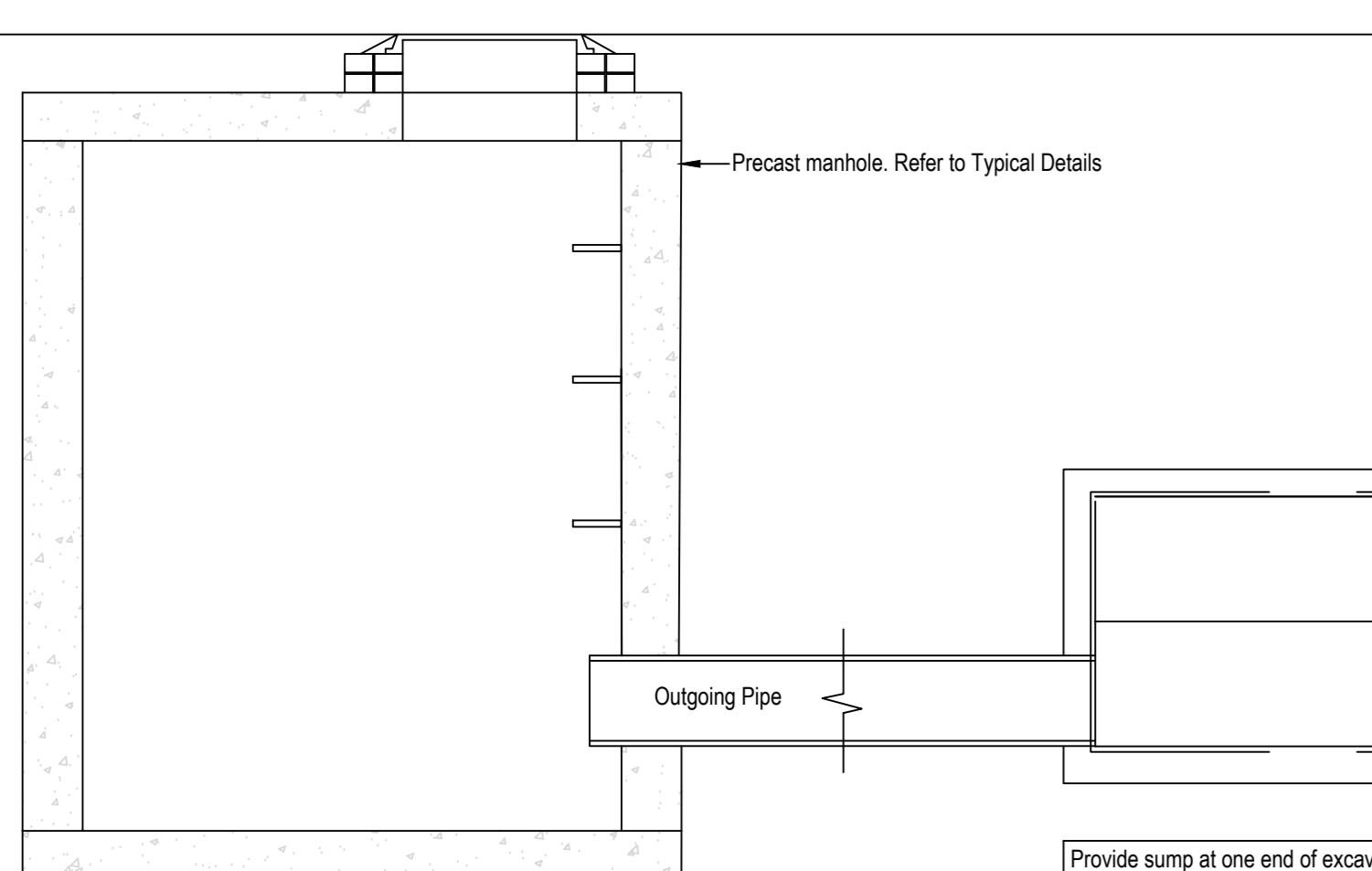
Proposed External
Backdrop Detail

Scale 1:20



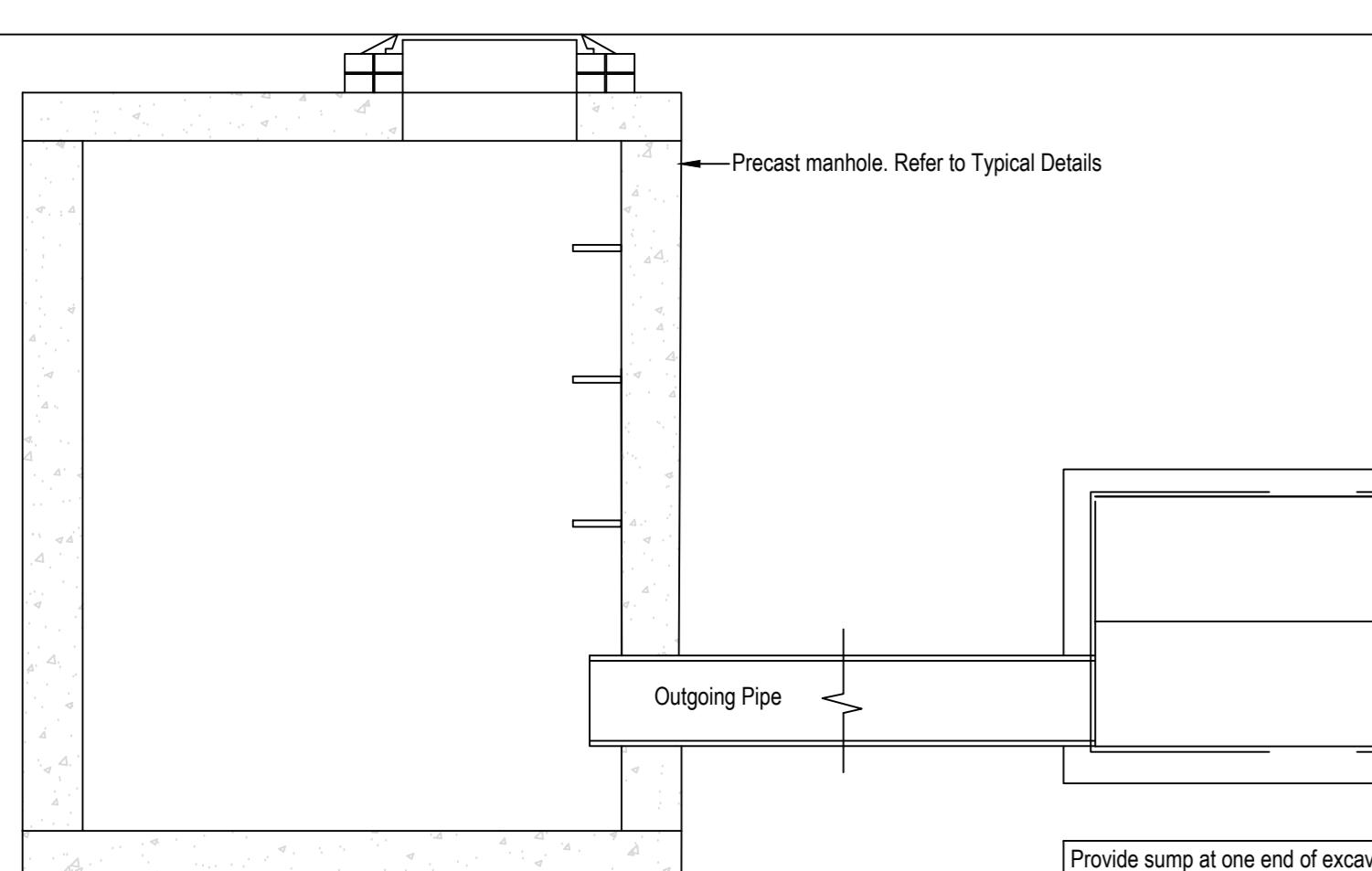
Plan on Flow Control Manhole MHS12

Scale 1:20



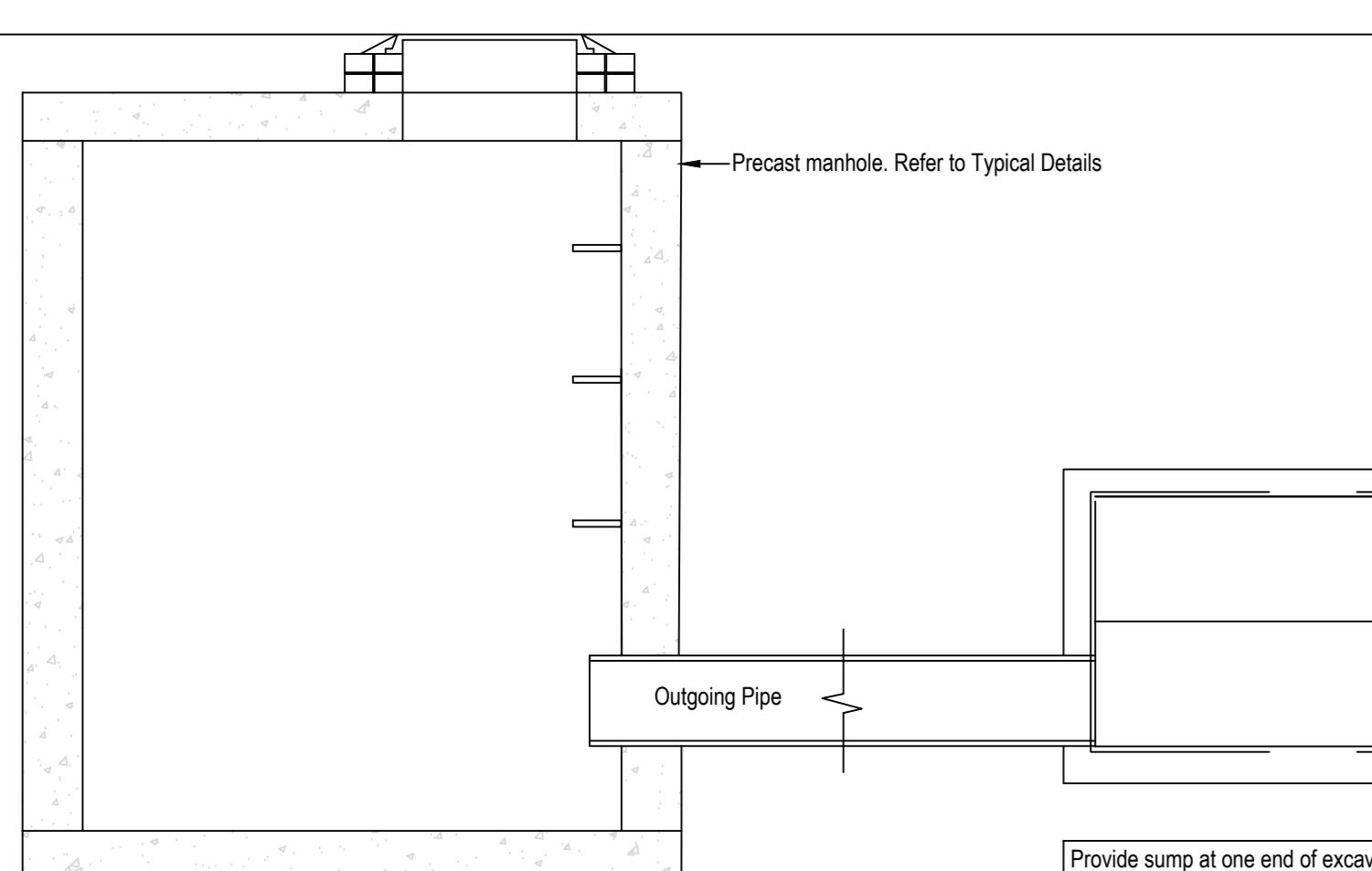
Plan on Flow Control Manhole Cover Slab MHS12

Scale 1:20



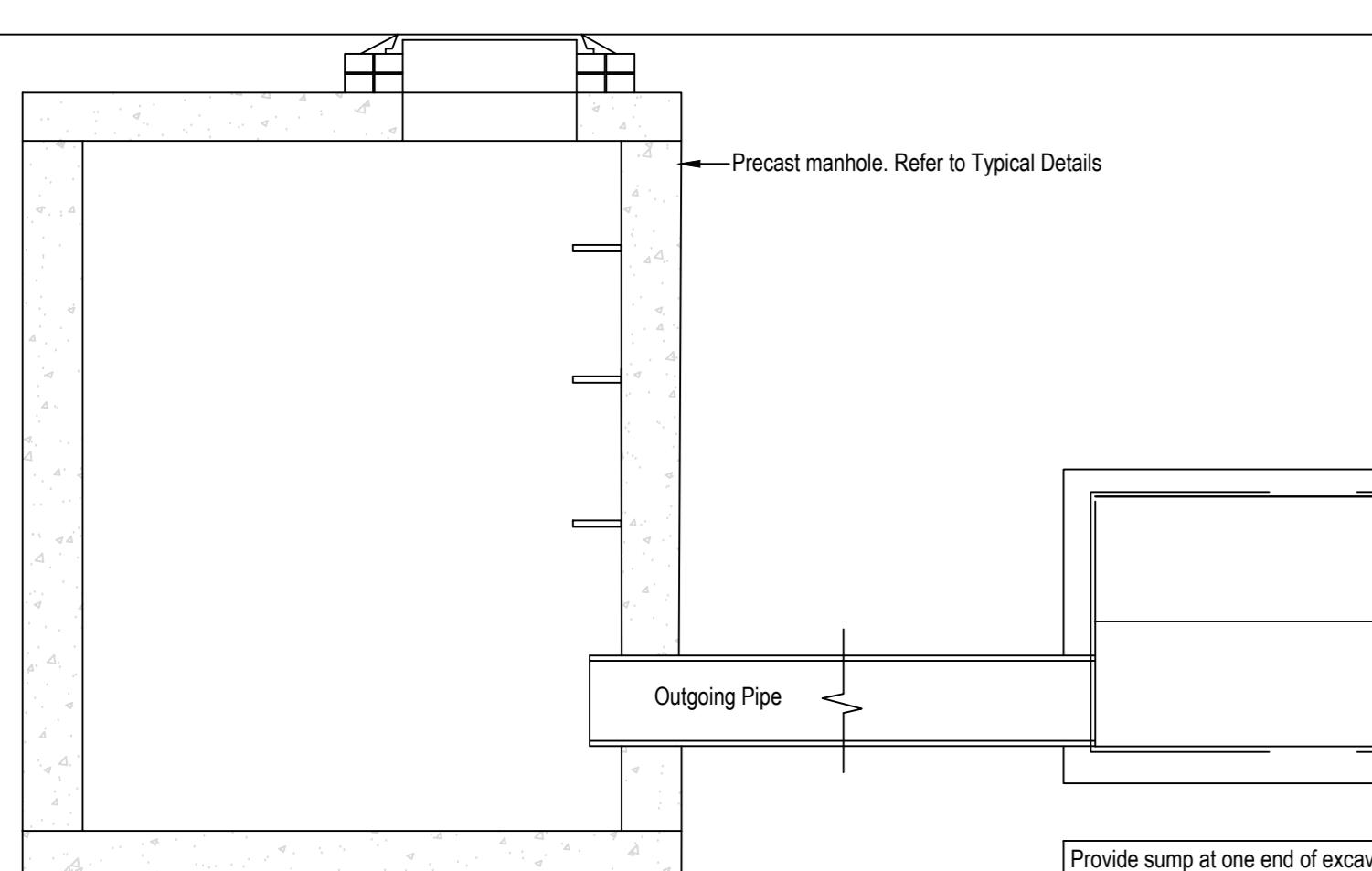
Section 1-1

Scale 1:20



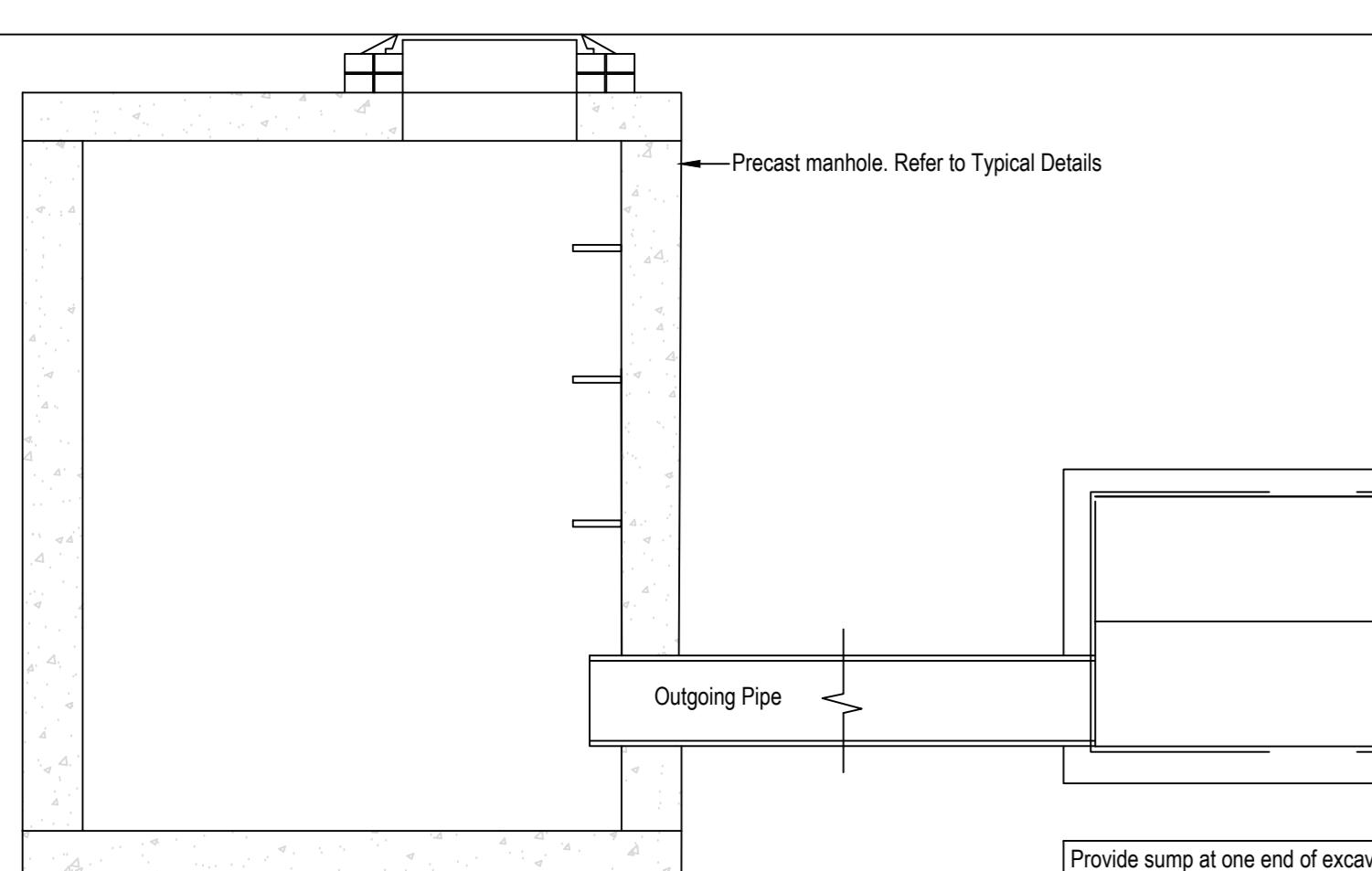
Section 2-2

Scale 1:20



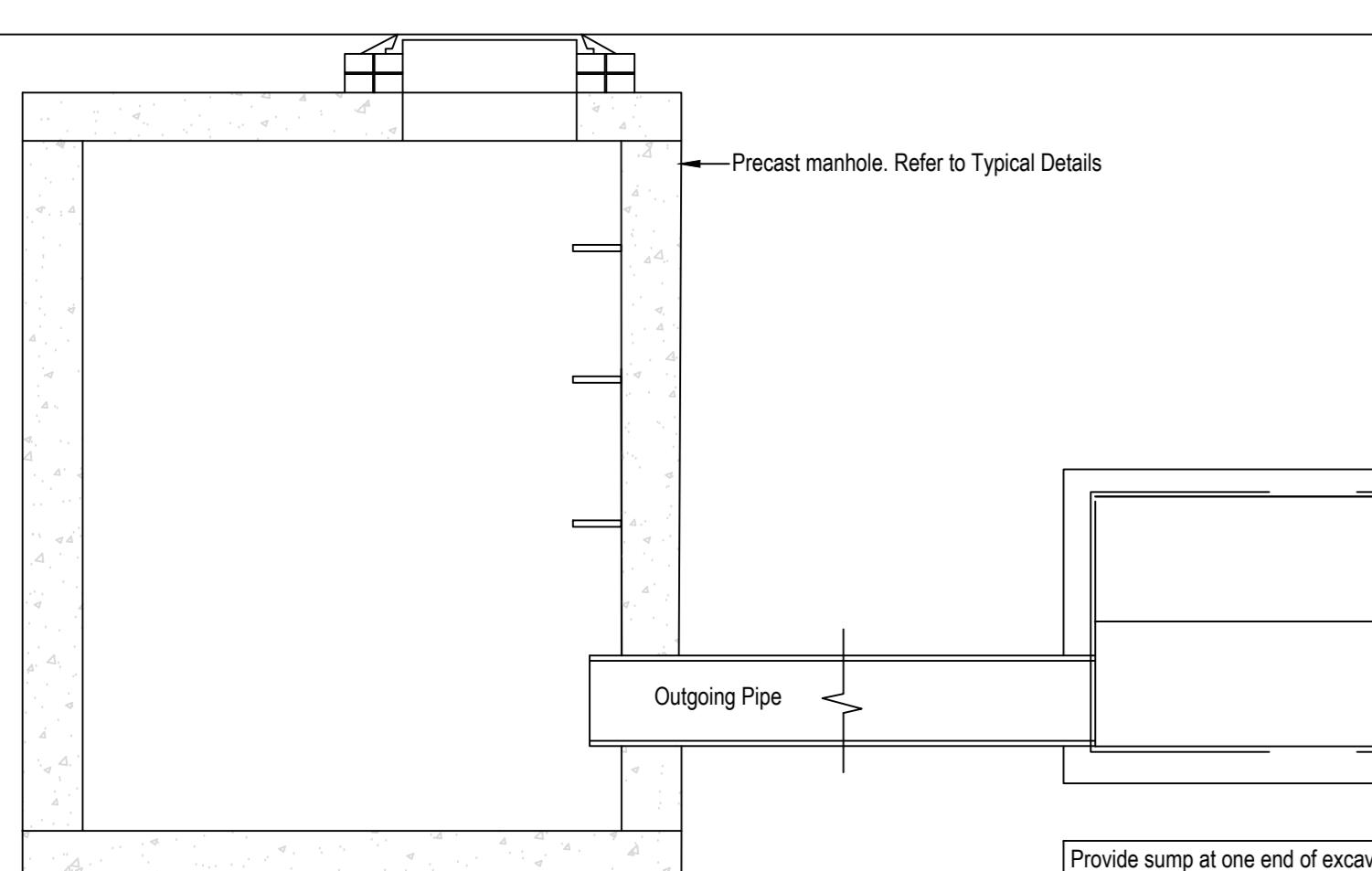
Plan on Flow Control Manhole MHS17

Scale 1:20



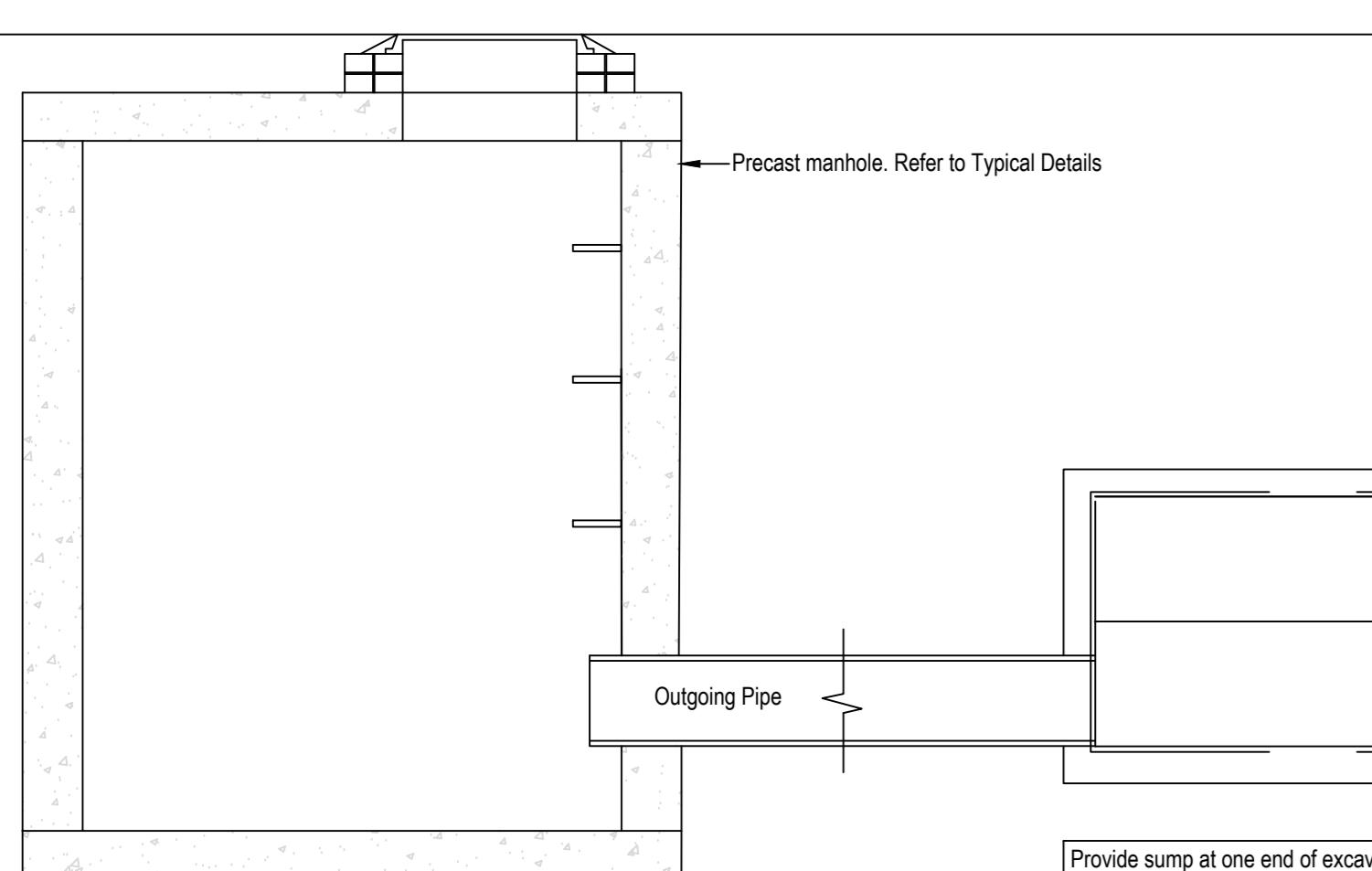
Plan on Flow Control Manhole Cover Slab MHS17

Scale 1:20



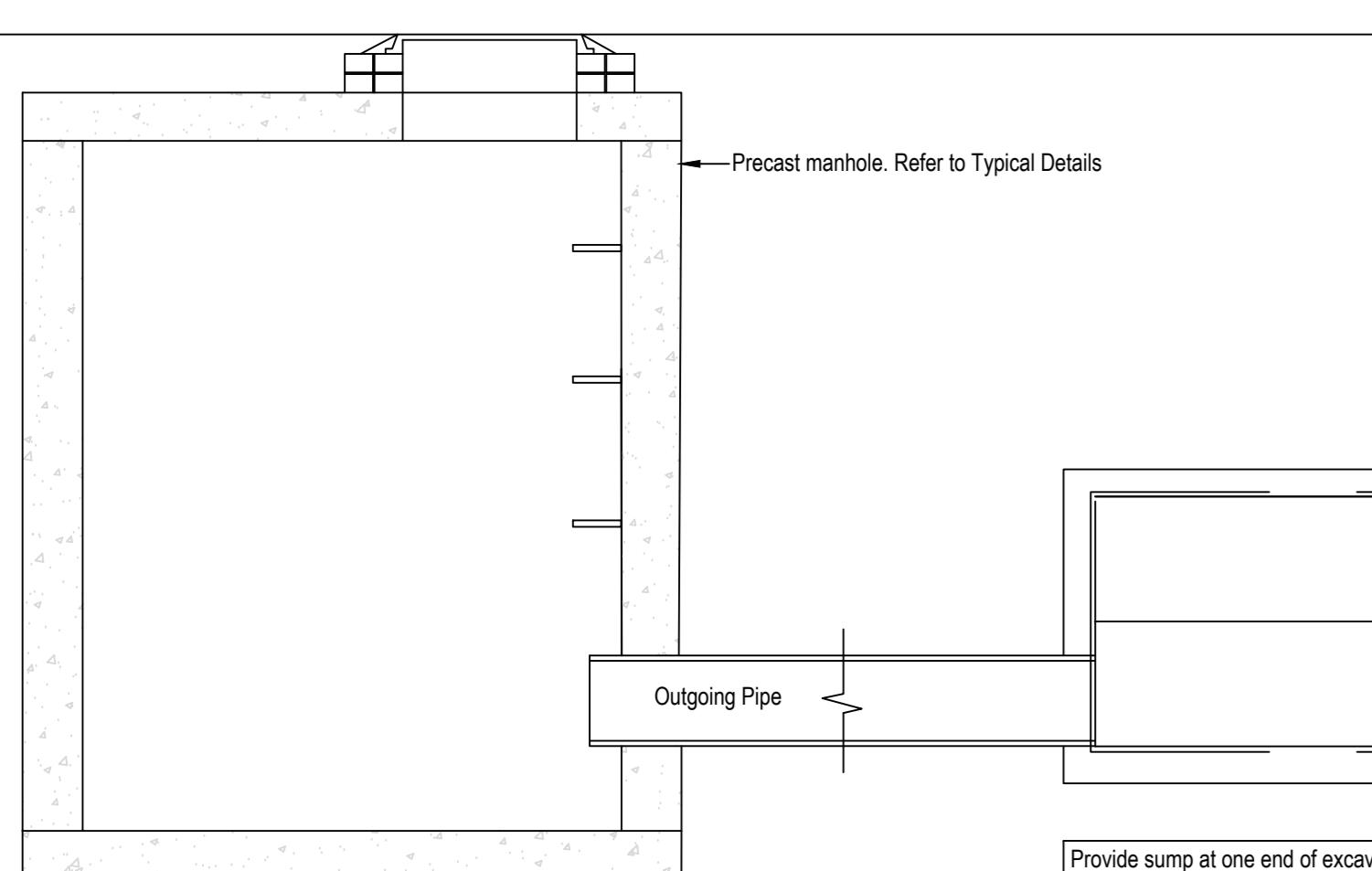
Section A-A

Scale 1:20



Section B-B

Scale 1:20



| Diameter of Largest Pipe in Manhole (mm) | Internal Diameter of Manhole (mm) |
|--|-----------------------------------|
| LESS THAN 375 | 1200 |
| 375 - 700 | 1500 |
| 750 - 900 | 1800 |
| 900 - 1350 | 2100 |

| Standard mix reference | Applications |
|------------------------|---|
| ST1 (C7.5) | fillings, binders, soft spots and drainage sumps. |
| ST4 (C20) | all other applications |

The following concrete mixes are to be used (in accordance with BS6500)

For ST4 mix, sulphate resisting portland cement shall be used in accordance with sulfate class 1 and the relevant section of the investigation report.

All precast concrete products (e.g. manholes, rings etc.) shall comply with BS EN 1916 (pipes, fittings, etc.) or BS EN 1917 (manhole, inspection chambers, etc.) and shall be of suitable concrete mix to cater for sulfate class DC1.

Pre-formed channels are to be used in manholes where applicable.

Granolithic concrete bedding to be steel trowelled to a dense smooth face neatly shaped and finished to all branch connections and laid in accordance with the specification.

All connections to be turned in direction of pipe bends.

Manhole covers and frames to be built to BS EN 1401 (plastic inspection chambers to BS175) or clayware up to BS EN 298 (N/mm crushing strength).

Manhole covers and frames to be class 160 clayware to BS EN 295.

Manhole covers and frames to be built to BS EN 124 to BS EN 295.

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