

Typical Pipe Penetration

(HDPE Pipe sleeve)
Not to scale



GSE Lining Technology, Inc.

19103 Gundel Road
Houston, Texas 77073-3598
(800)435-2008 / (281)443-8564

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Don

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12-15-98

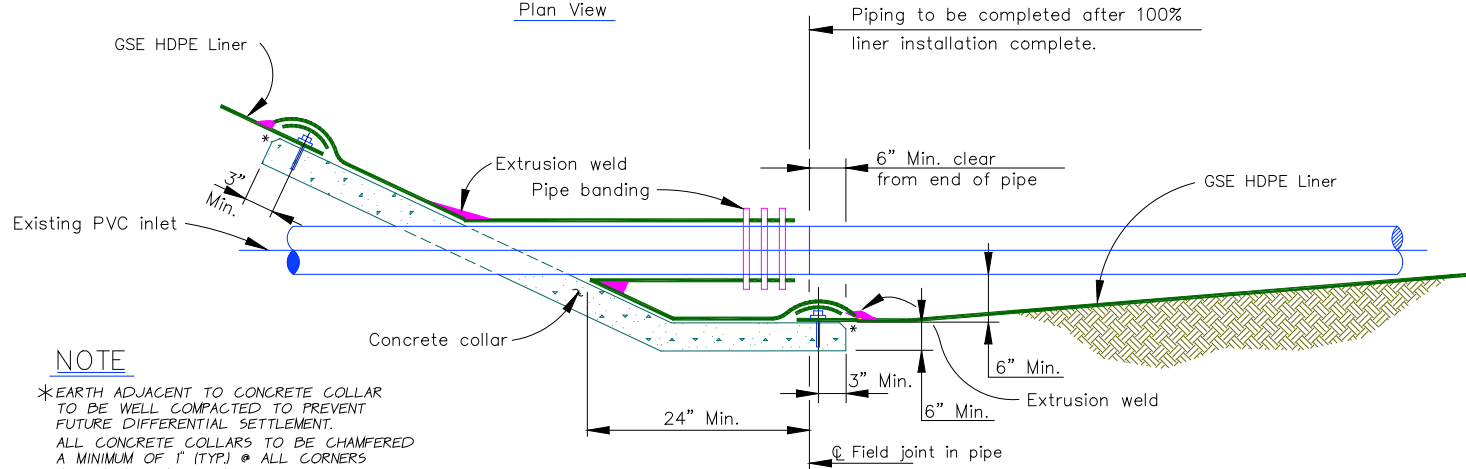
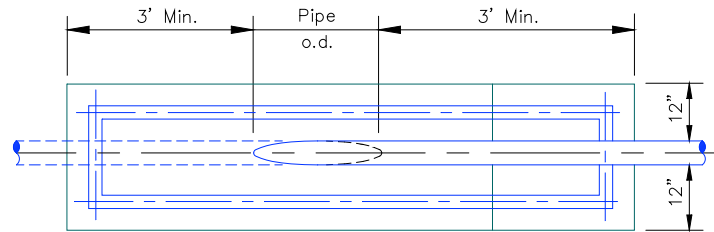
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D-PT001

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NOTE

*EARTH ADJACENT TO CONCRETE COLLAR TO BE WELL COMPACTED TO PREVENT FUTURE DIFFERENTIAL SETTLEMENT.
ALL CONCRETE COLLARS TO BE CHAMFERED A MINIMUM OF 1" (TYP) @ ALL CORNERS IN CONTACT WITH LINER.

Typical Pipe Penetration

(Banded pipe)
Not to scale



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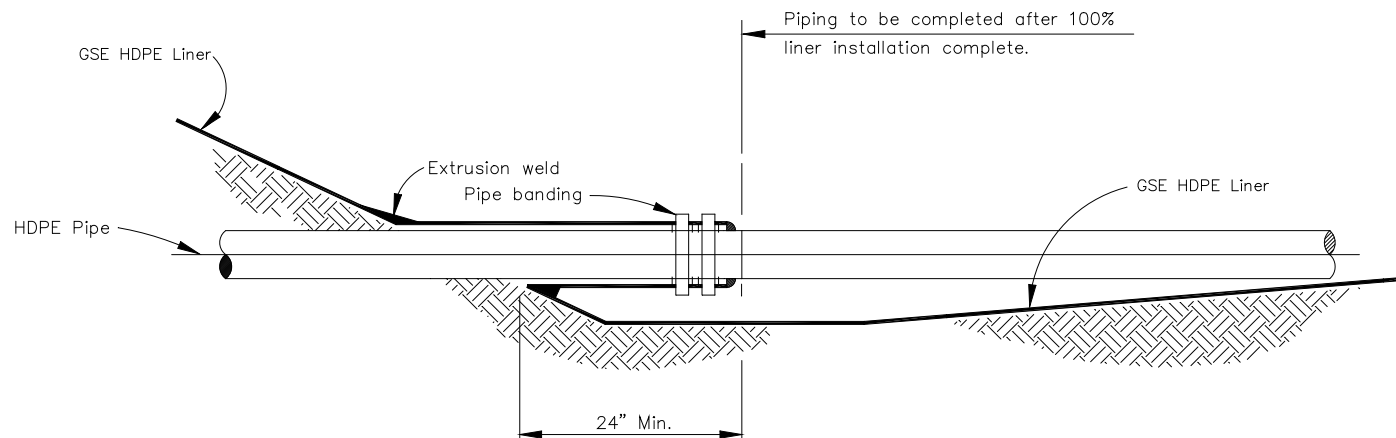
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DWG. NO.

D-PT002



Typical Pipe Penetration

(Banded pipe)
Not to scale



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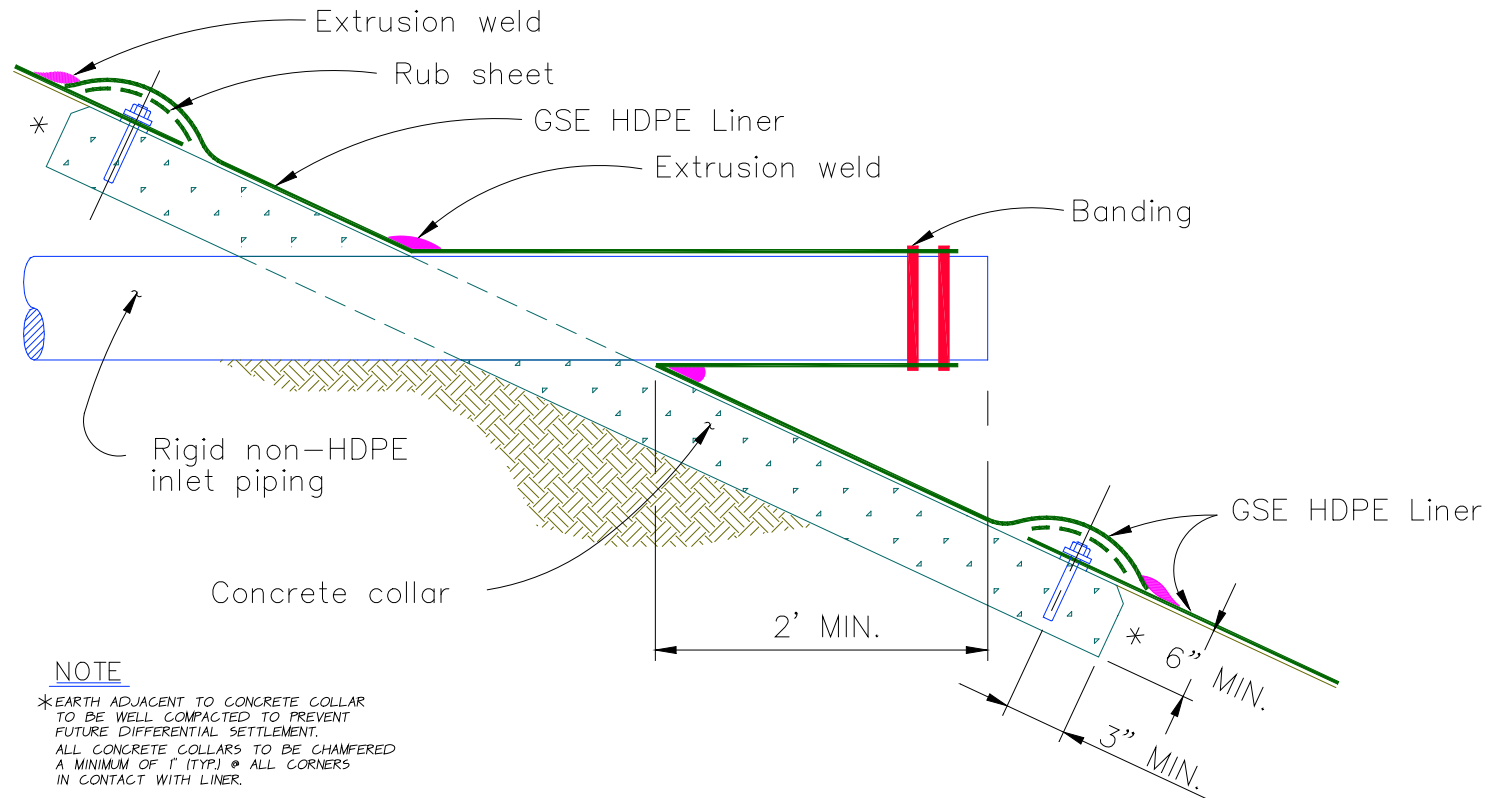
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Typical Pipe Penetration

(Banded pipe)
 Not to scale



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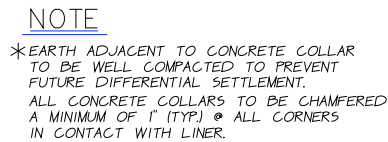
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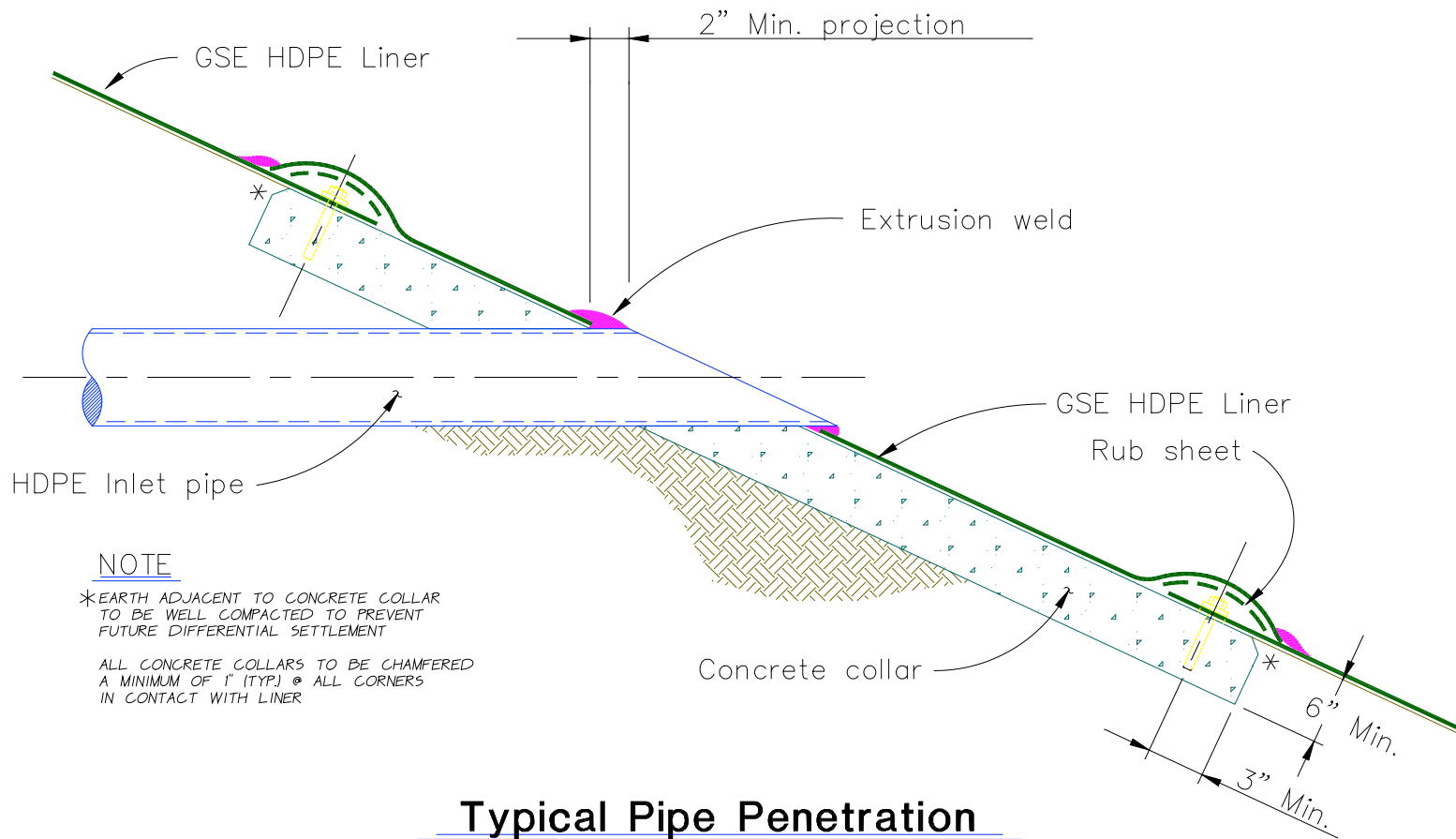
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(Banded pipe)
Not to scale



NOTE

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TO BE WELL COMPACTED TO PREVENT
FUTURE DIFFERENTIAL SETTLEMENT

ALL CONCRETE COLLARS TO BE CHAMFERED
A MINIMUM OF 1" (TYP.) @ ALL CORNERS
IN CONTACT WITH LINER

Typical Pipe Penetration

(HDPE Pipe)
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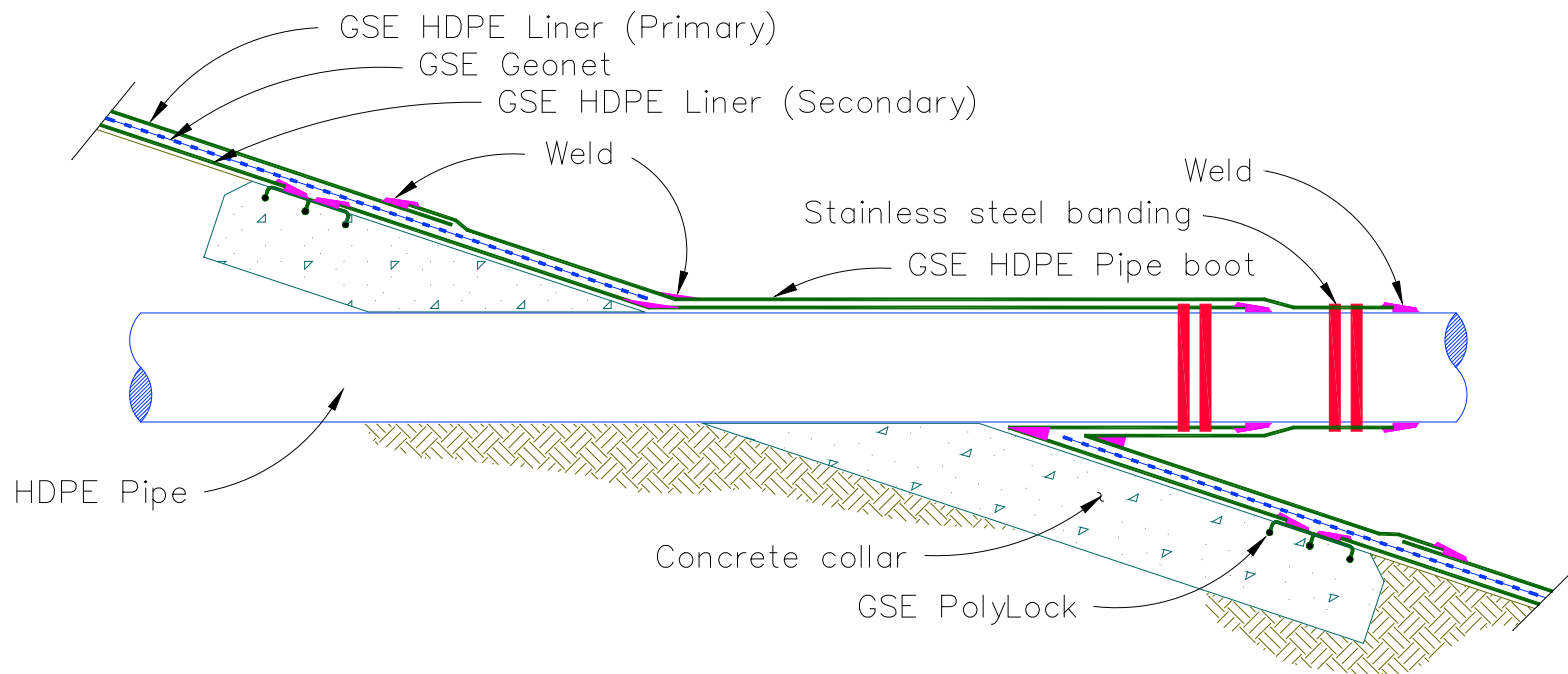
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Typical Double Booted Pipe Penetration

Not to scale



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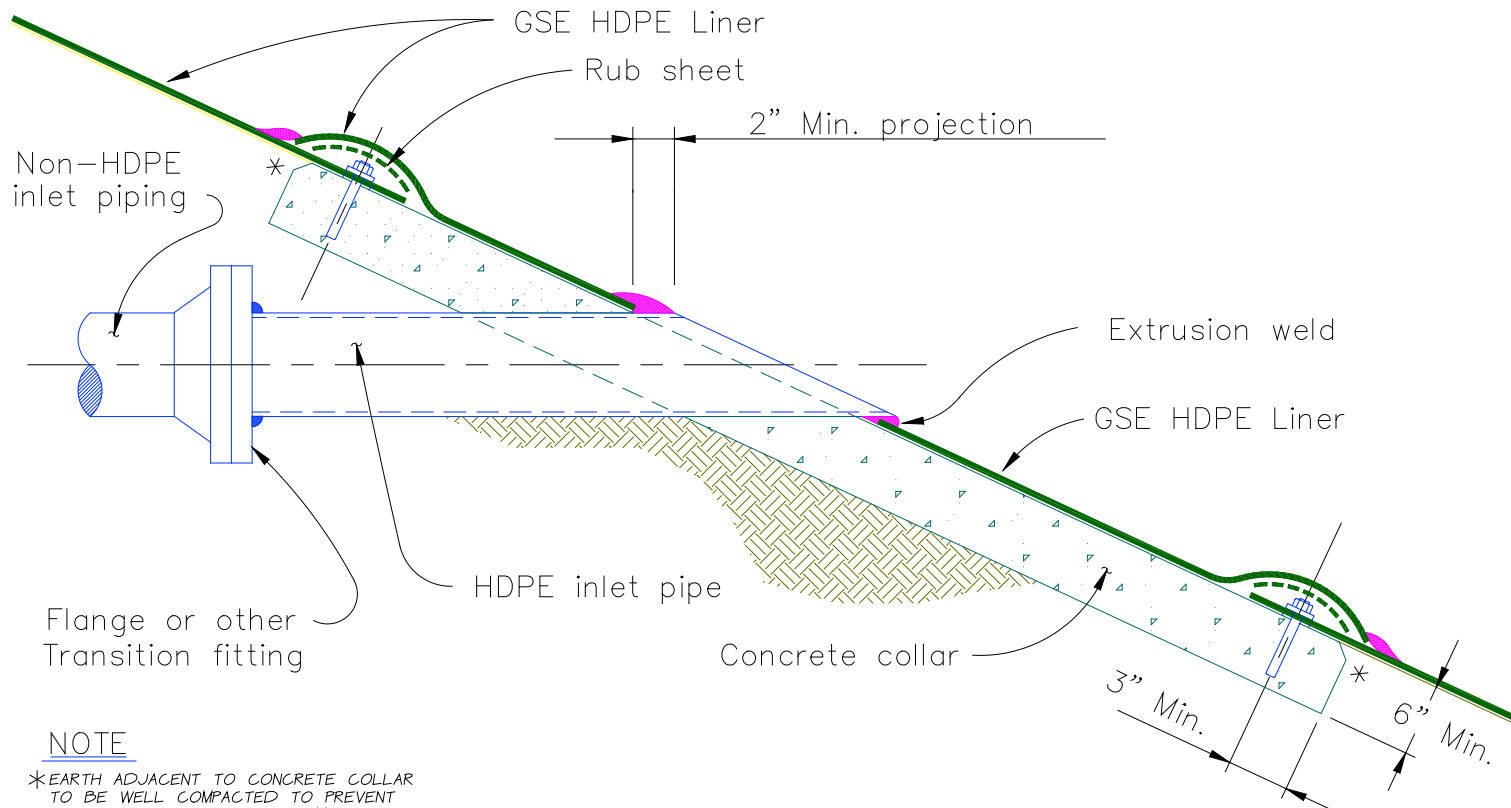
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Typical Pipe Penetration

(Flanged pipe to HDPE pipe)
Not to scale



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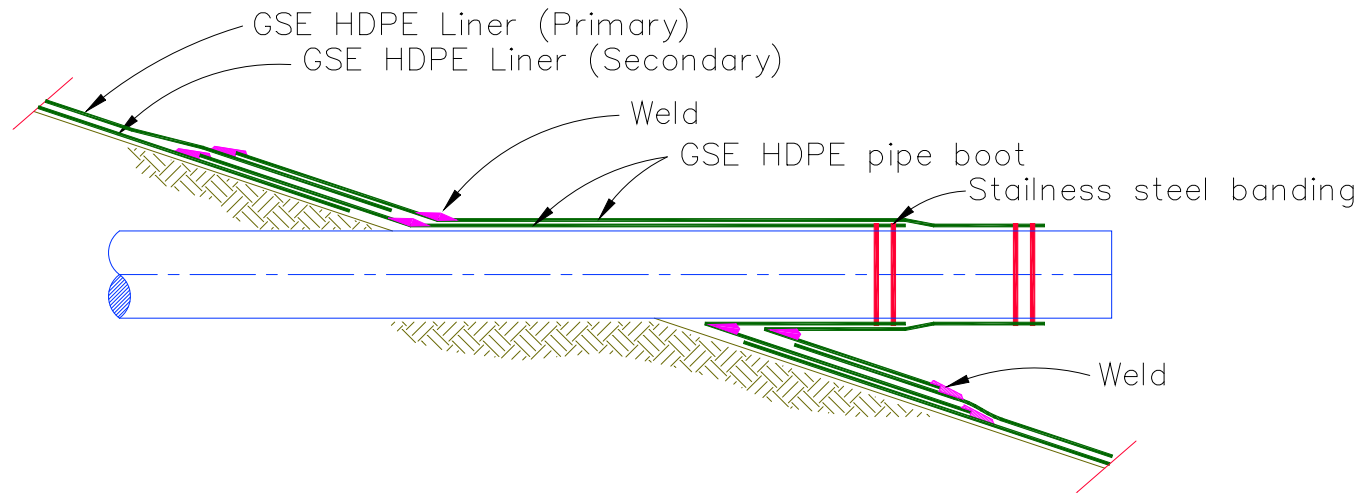
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Typical Double Booted Pipe Penetration

Not to scale



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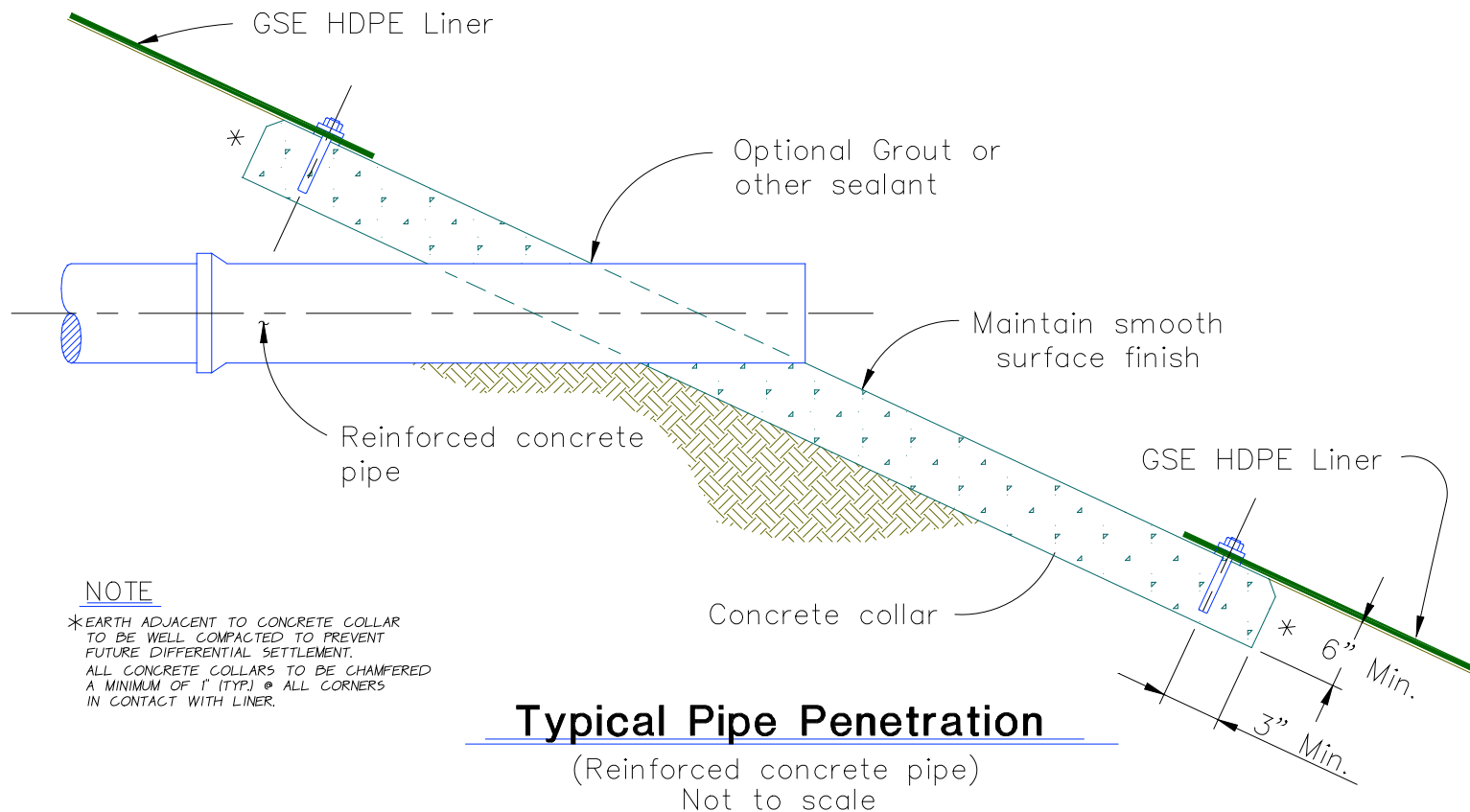
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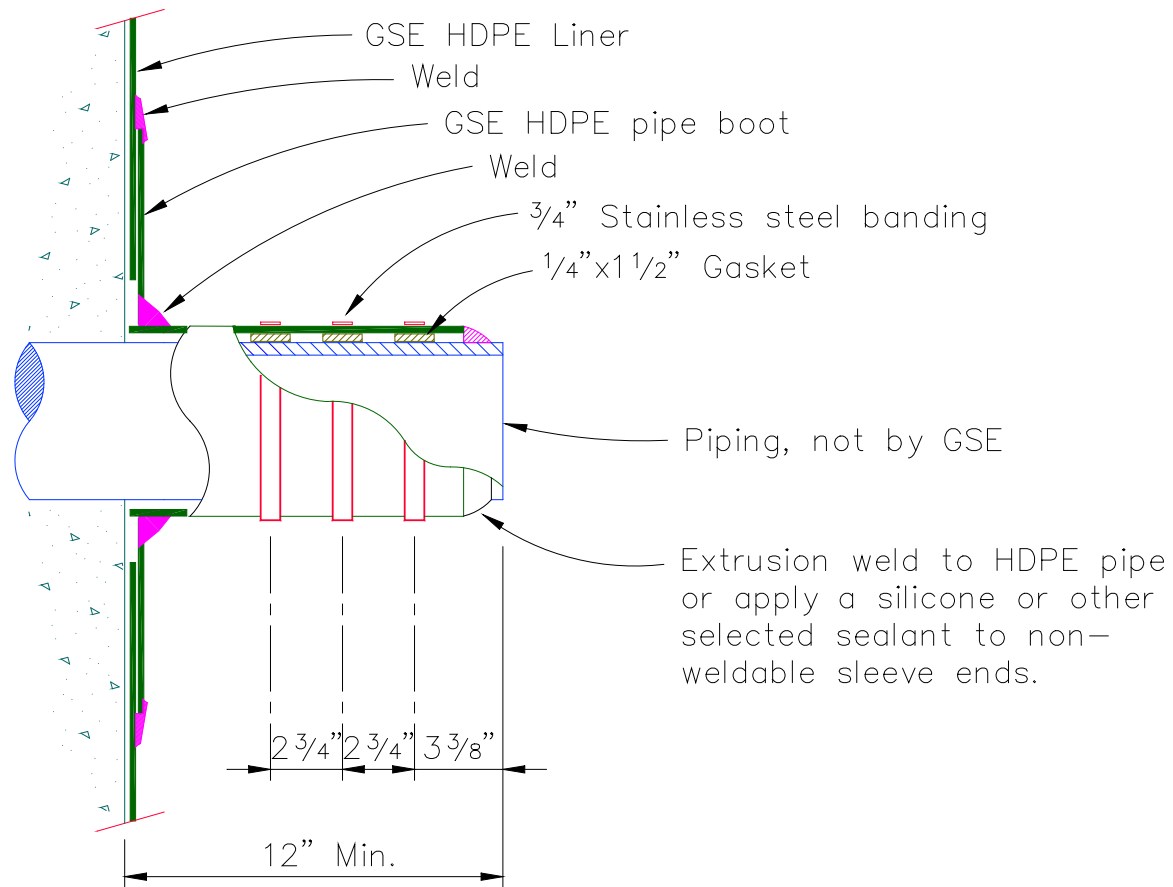
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Typical Penetration Thru Concrete Wall
Not to scale



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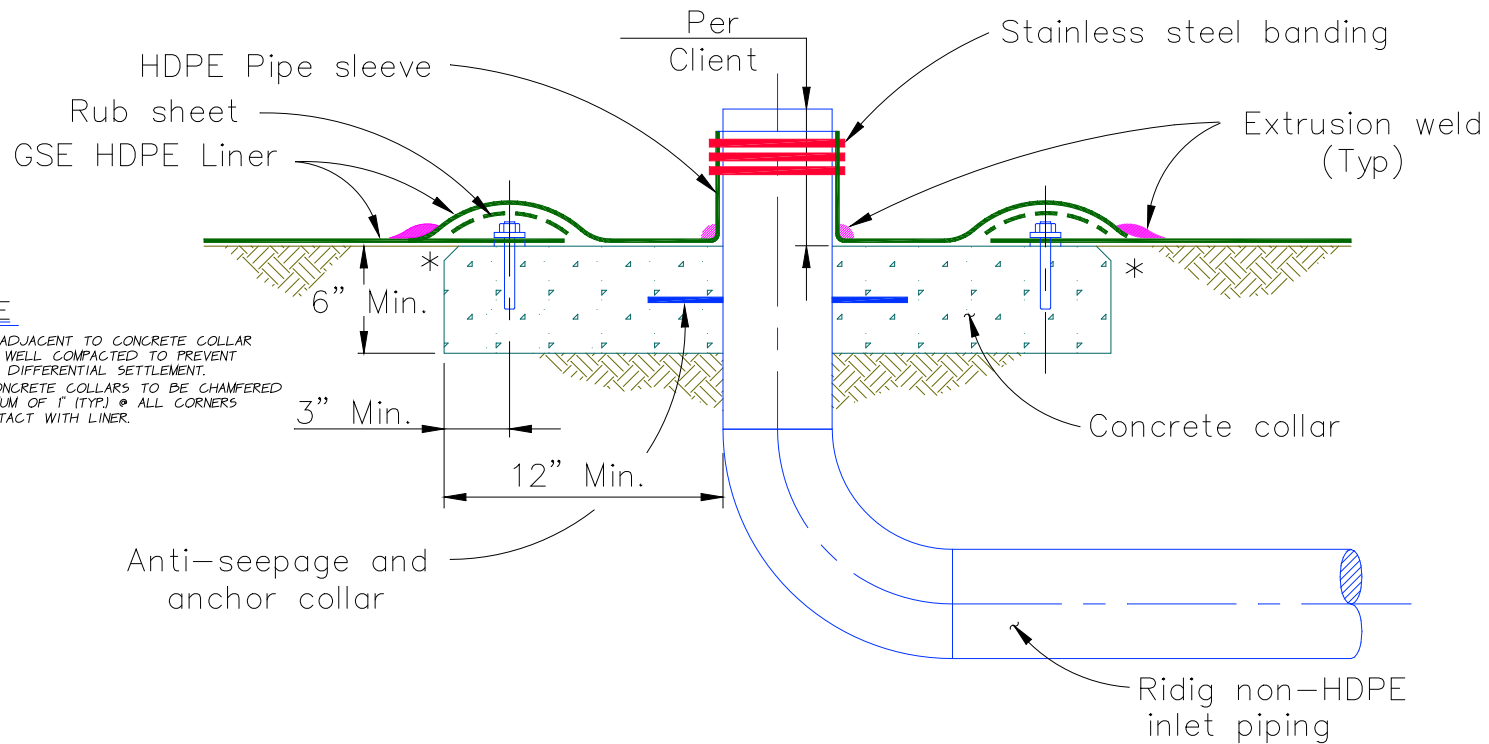
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Typical Bottom Pipe Penetration

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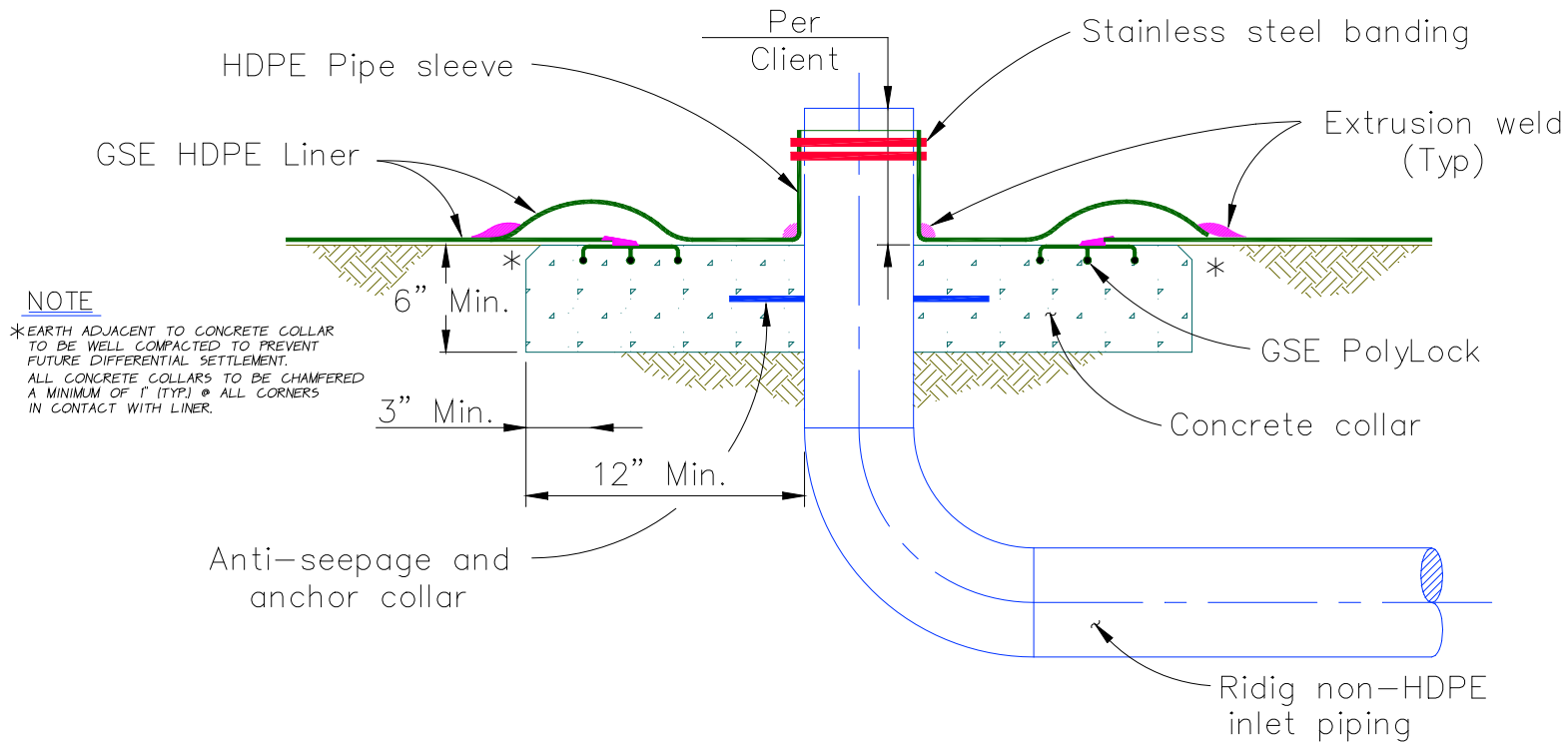
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Typical Bottom Pipe Penetration

(Non-HDPE Pipe)
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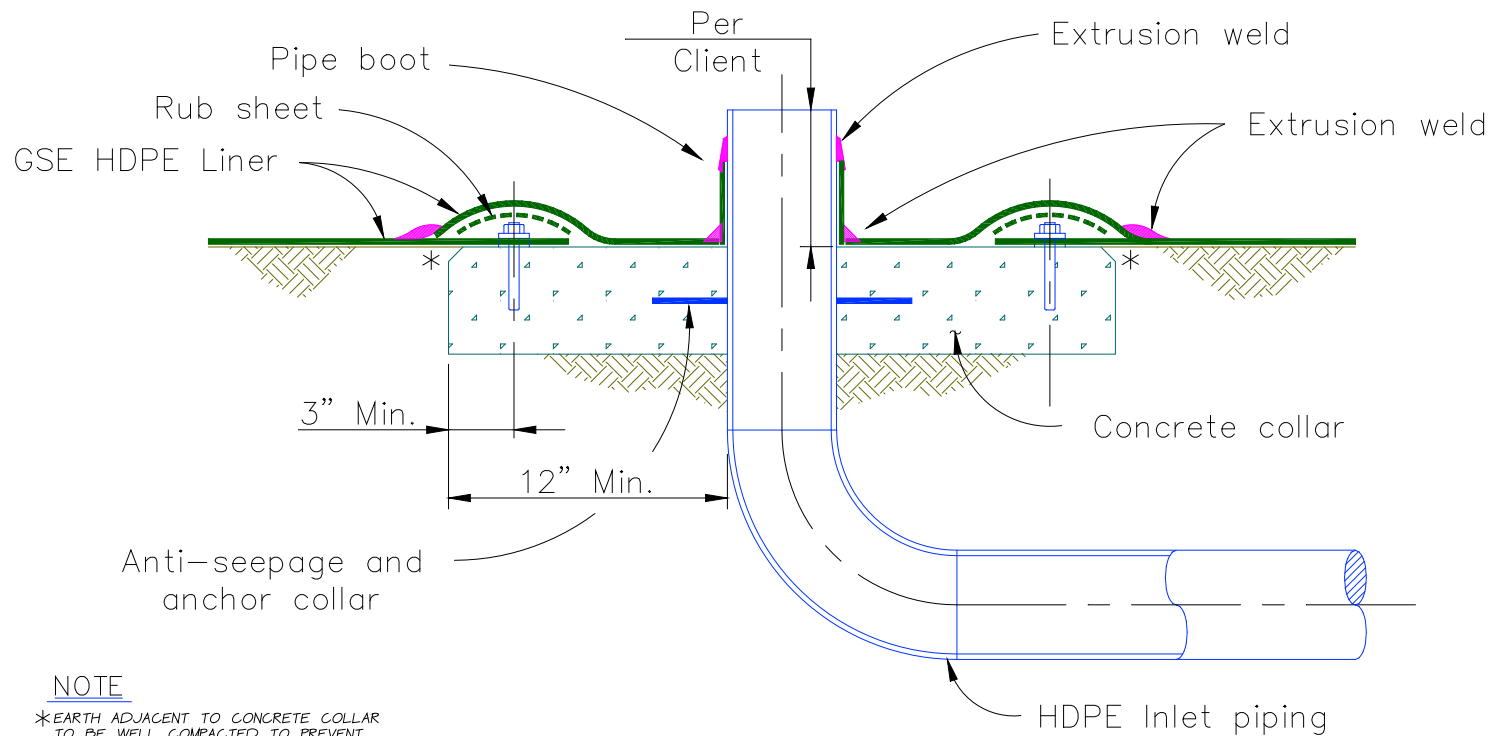
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Typical Bottom Pipe Penetration

(HDPE Pipe)
Not to scale



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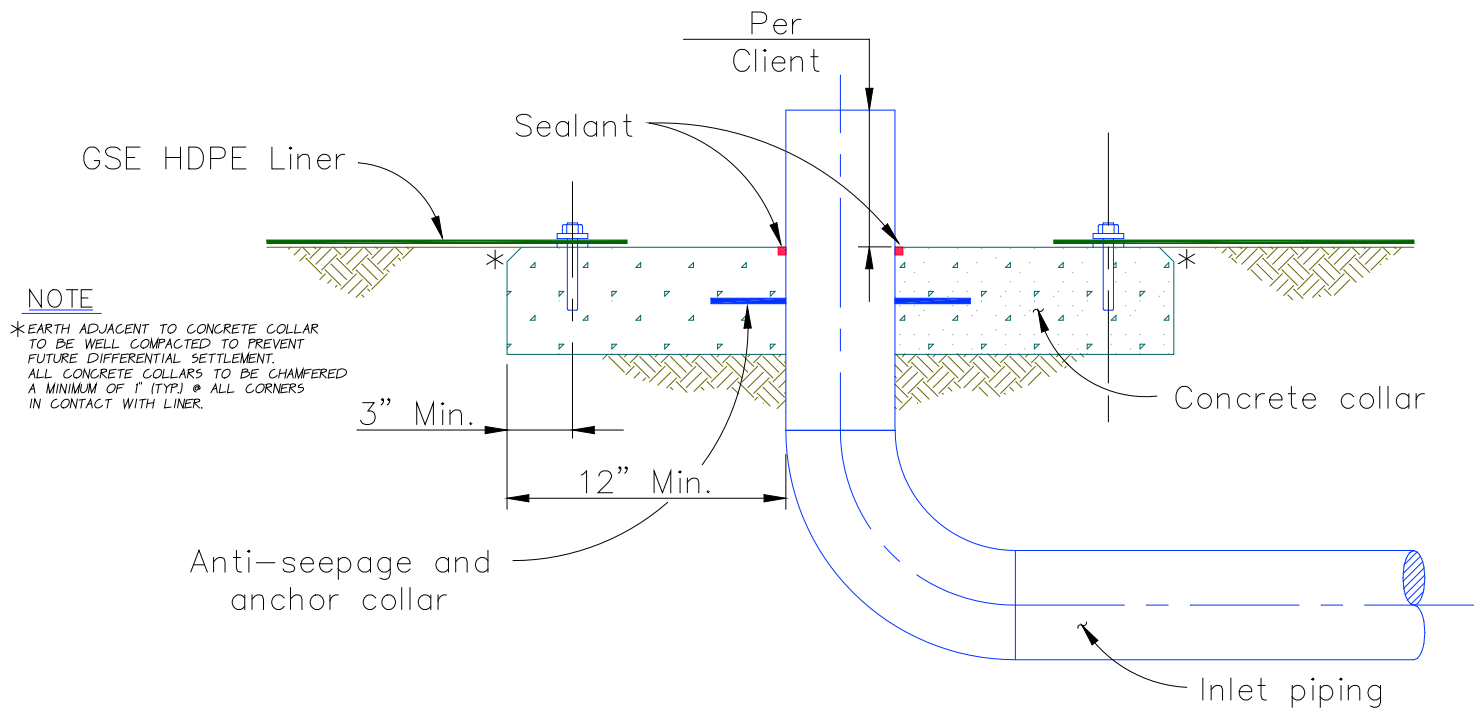
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DWG. NO.

D-PT013



Typical Bottom Pipe Penetration

(Other than HDPE pipe)
Not to scale



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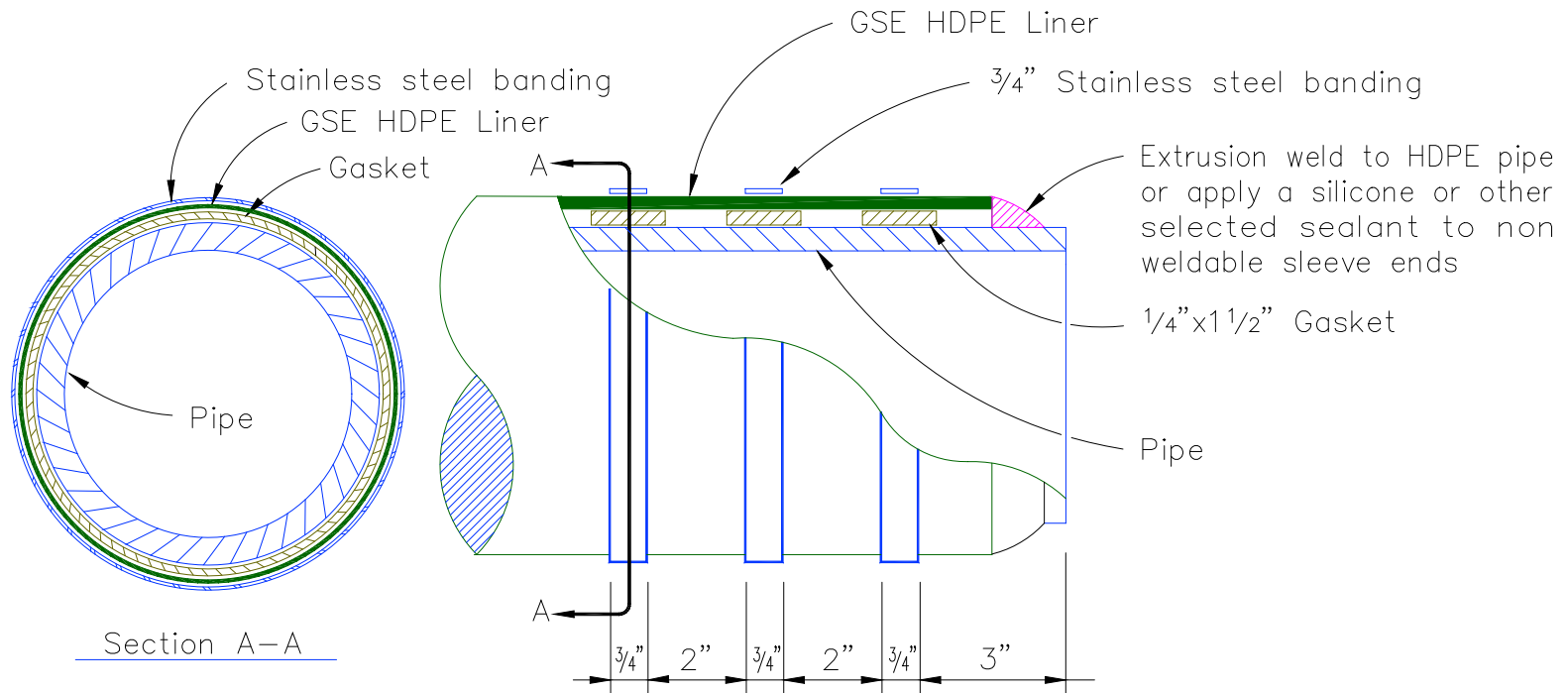
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Typical Pipe Penetration Seal

(Vertical or horizontal)
Not to scale



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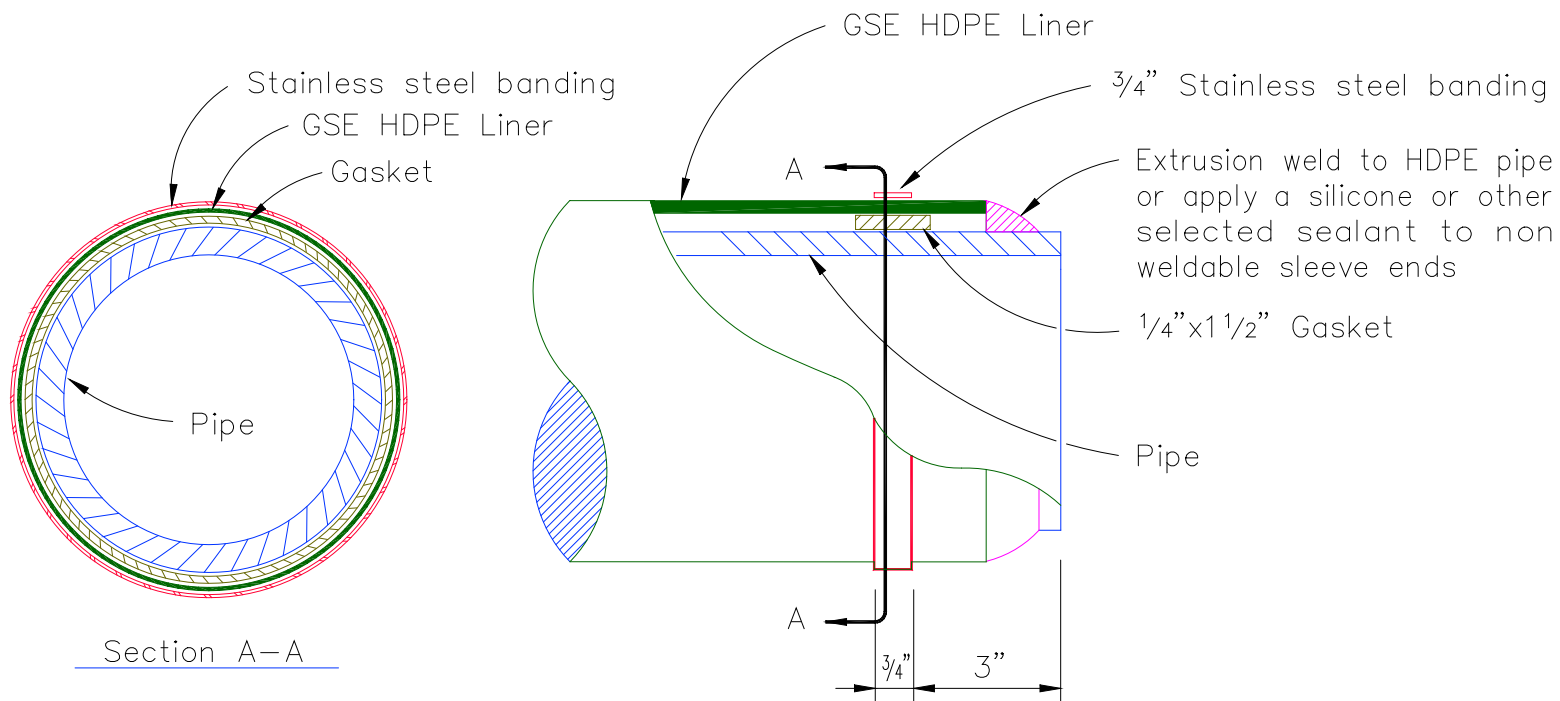
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Typical Pipe Penetration Seal

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Not to scale



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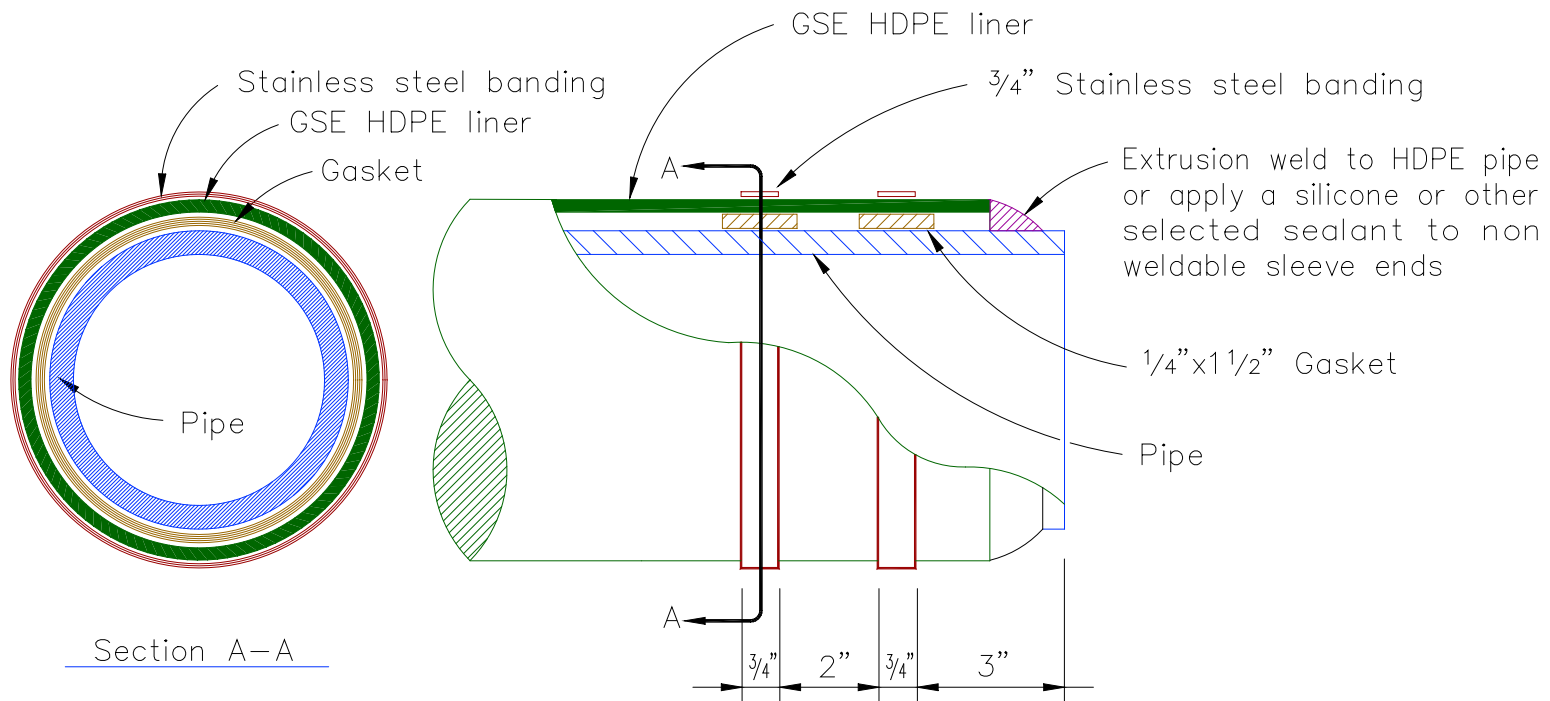
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Typical Pipe Penetration Seal

(Vertical or horizontal)
Not to scale



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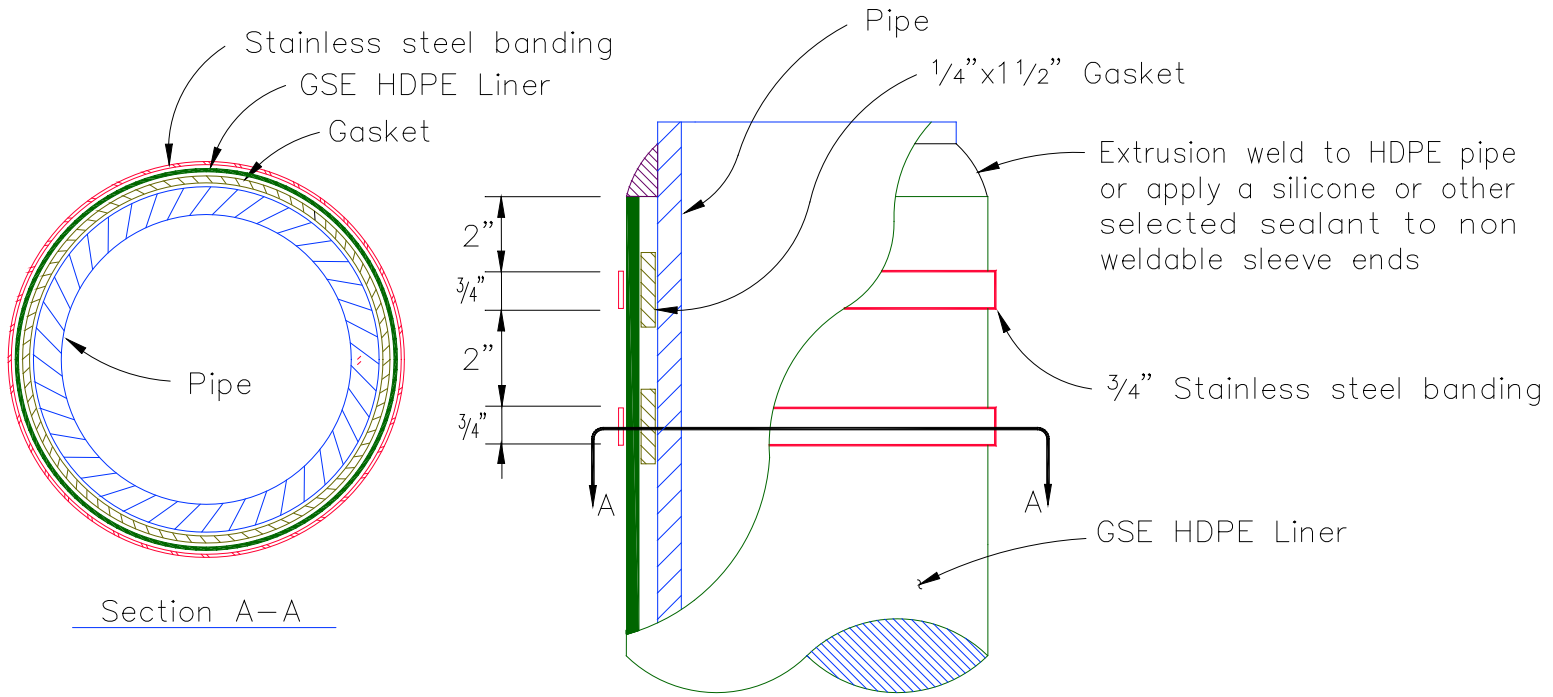
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Typical Pipe Penetration Seal

Not to scale



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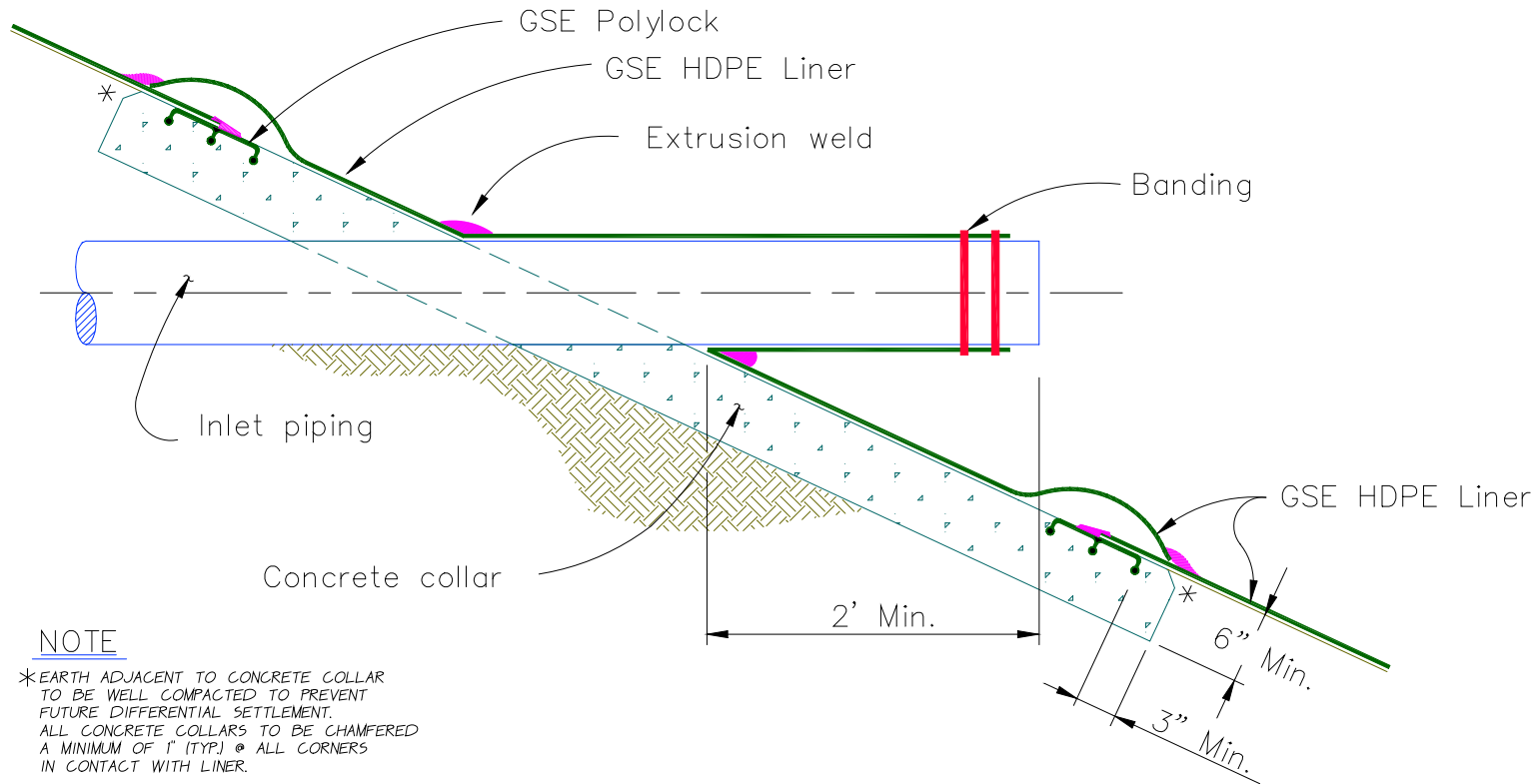
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Typical Pipe Penetration

(Banded Pipe)
Not to scale



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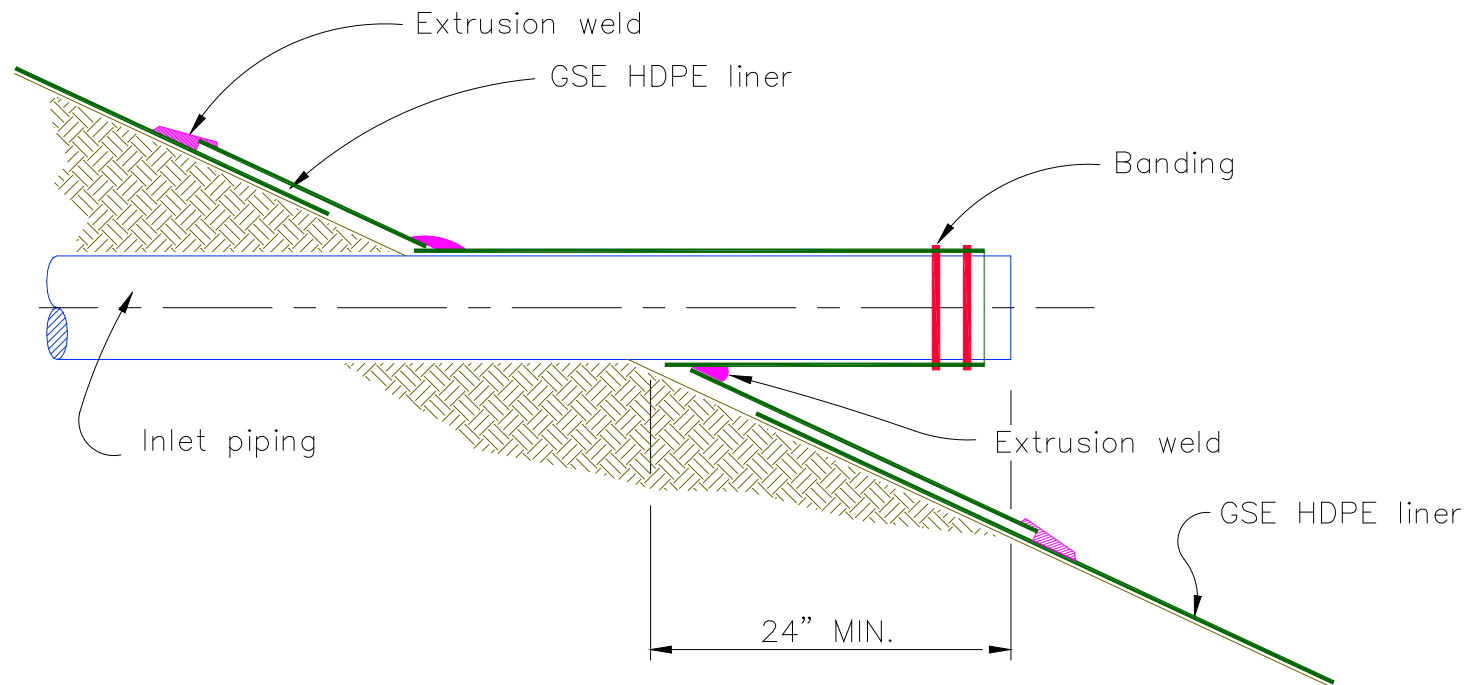
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DWG. NO.

D-PT020



Typical Pipe Penetration

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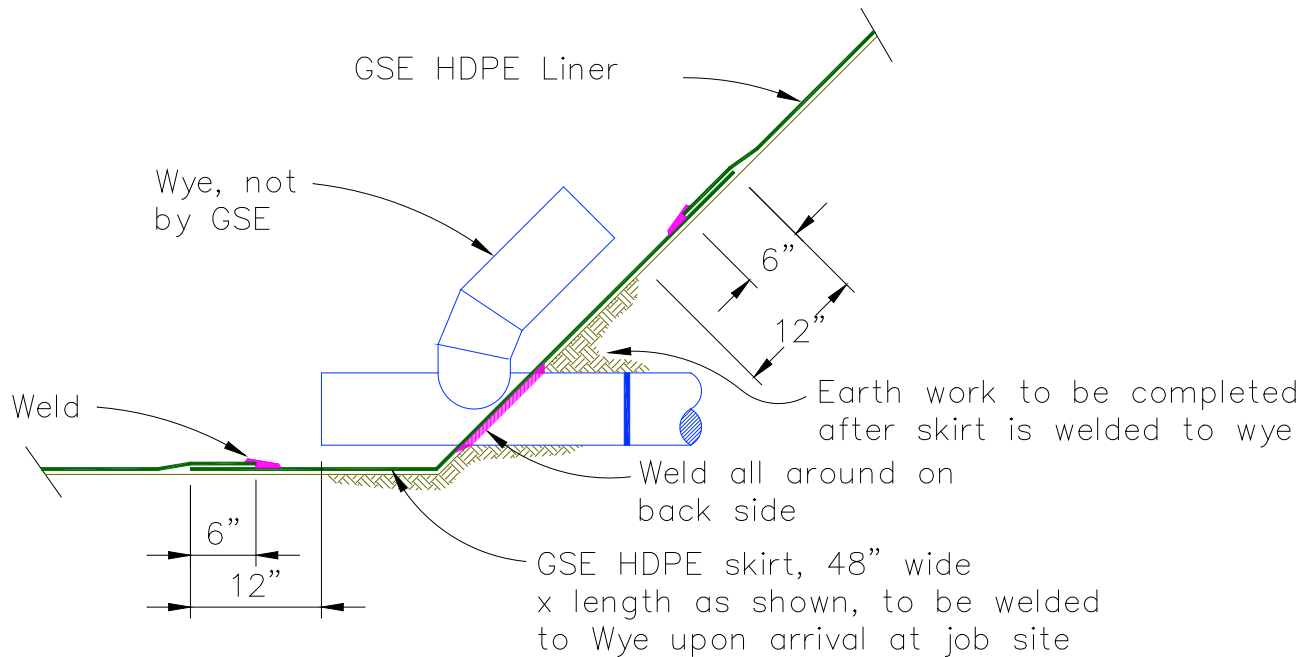
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Typical Wye Penetration

Not to scale



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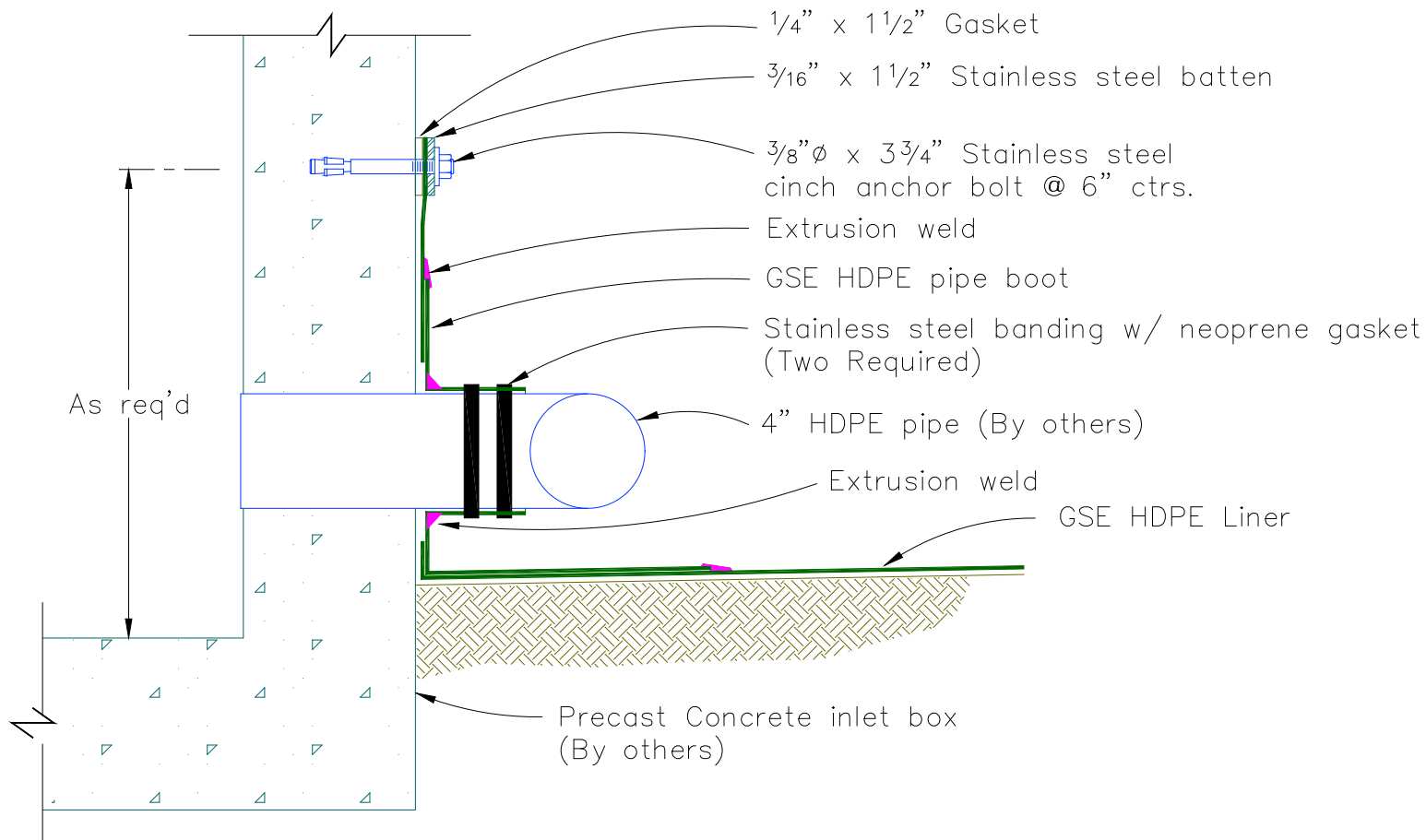
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Liner Penetration and Batten Detail

Not to scale



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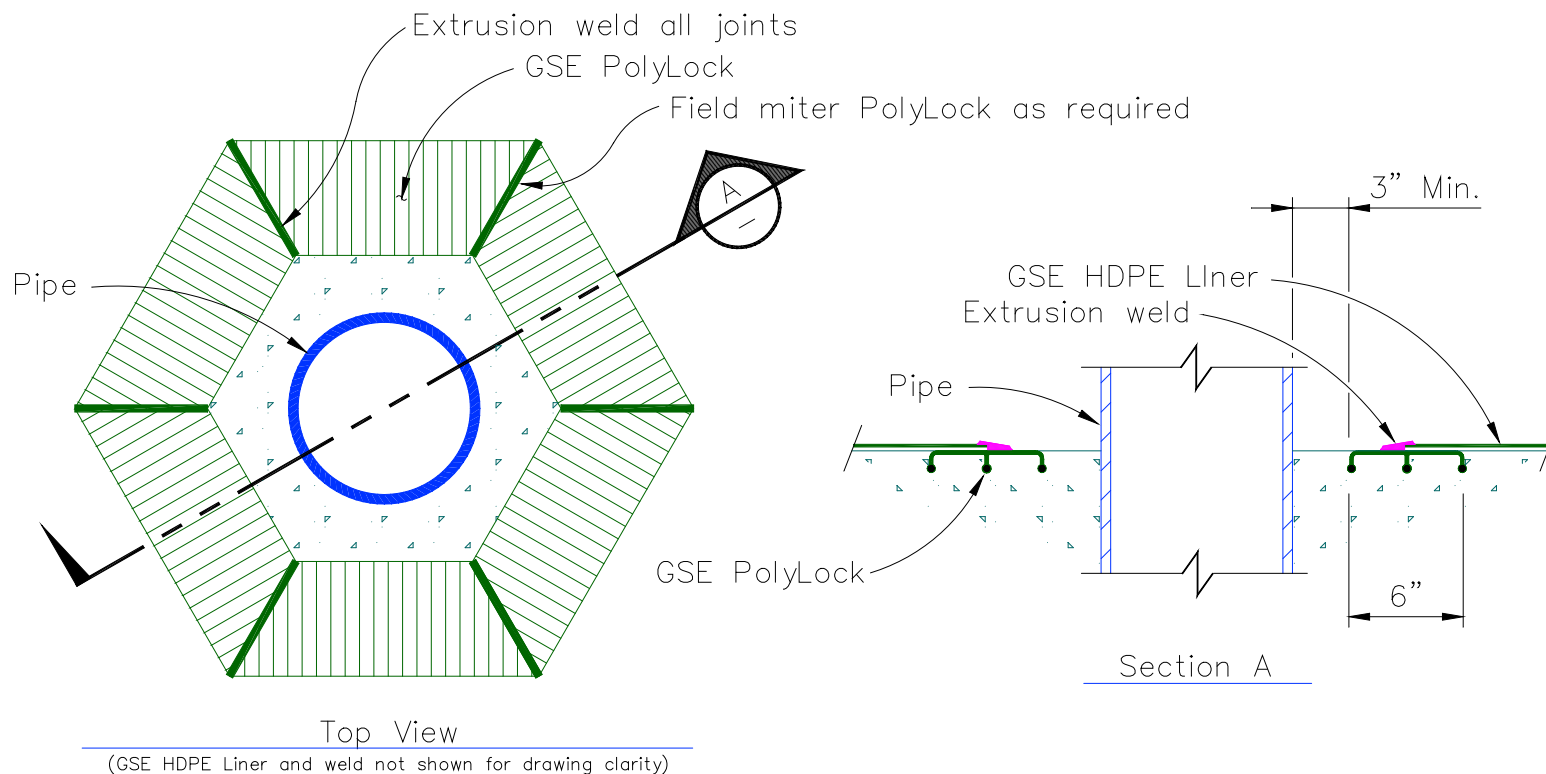
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D-PT023



PolyLock Embedded Pipe Penetration

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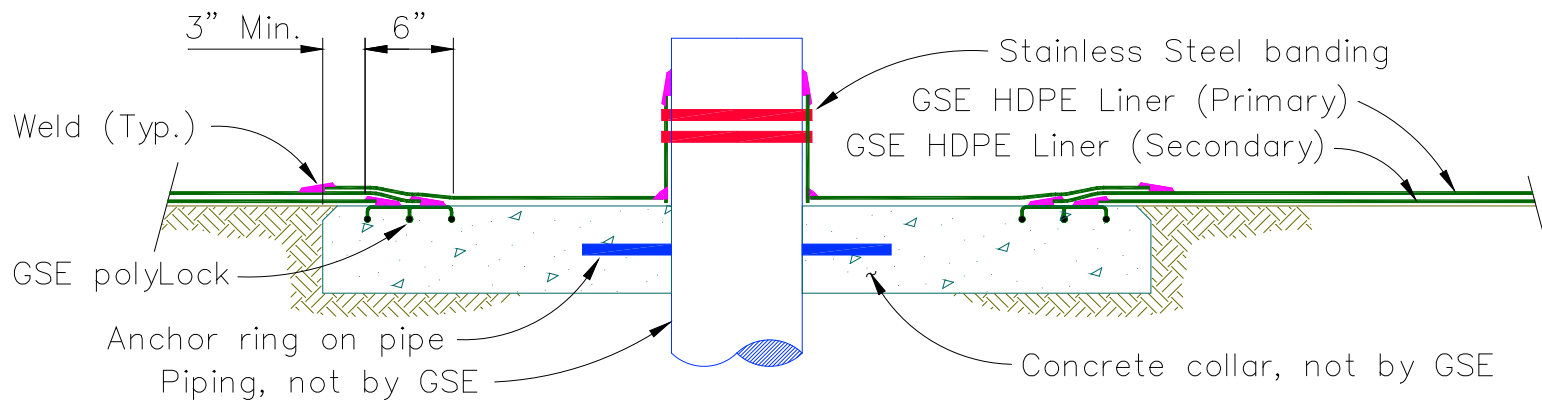
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Single Pipe Boot With Double Liner

Not to scale



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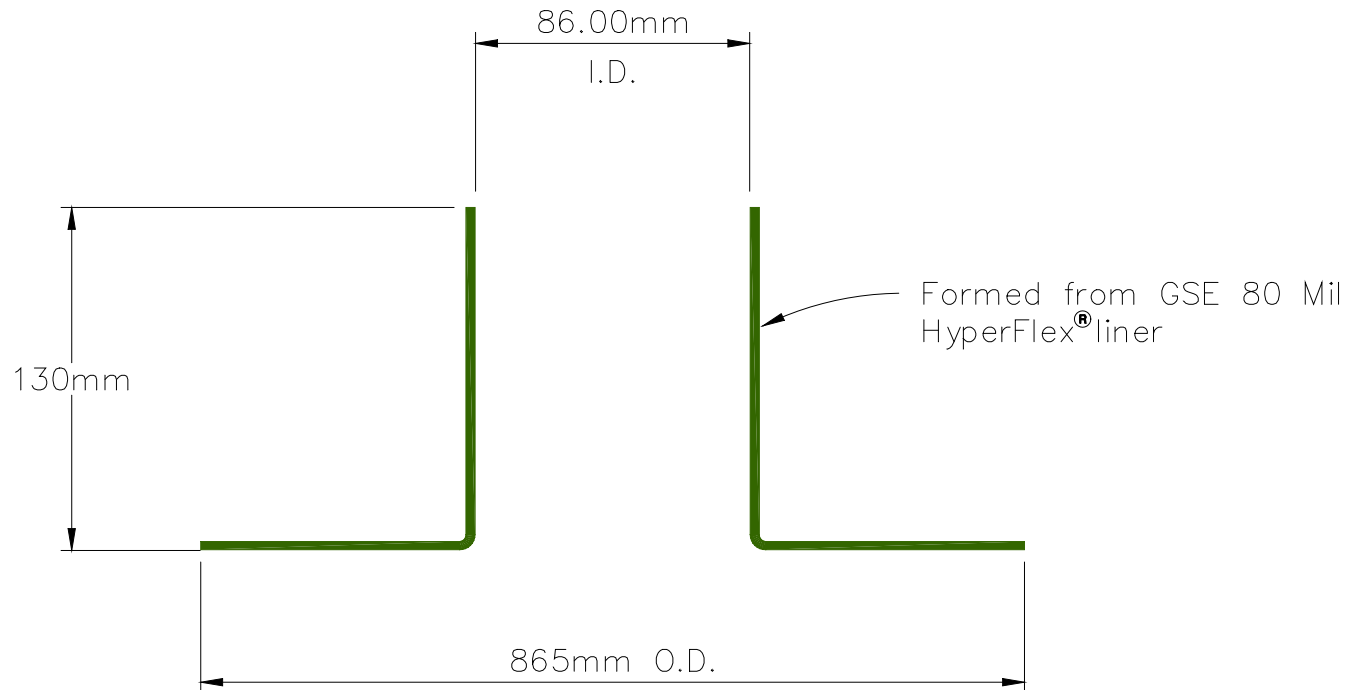
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DWG. NO.

D-PT025



Typical Section Thru Vacuum Formed Pipe Boot

Not to scale



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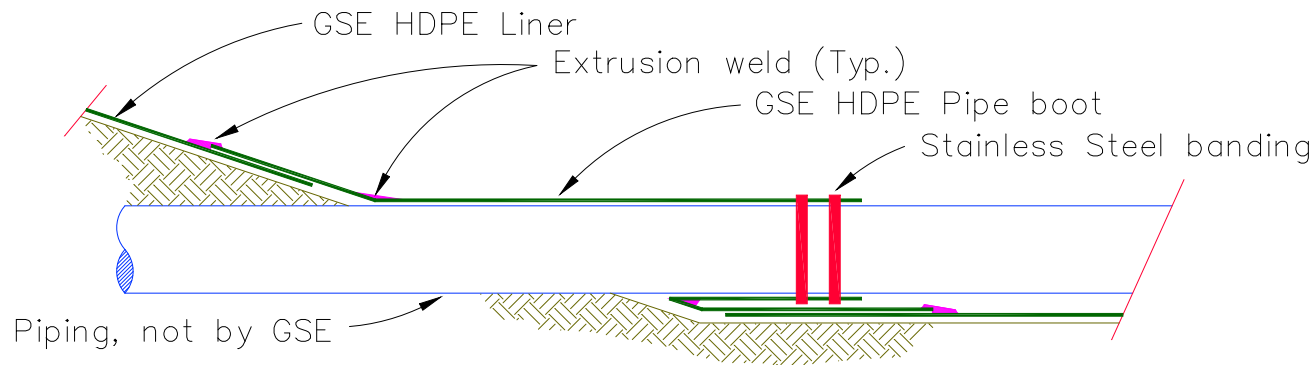
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D-PT026A

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Typical Pipe Penetration

Not to scale



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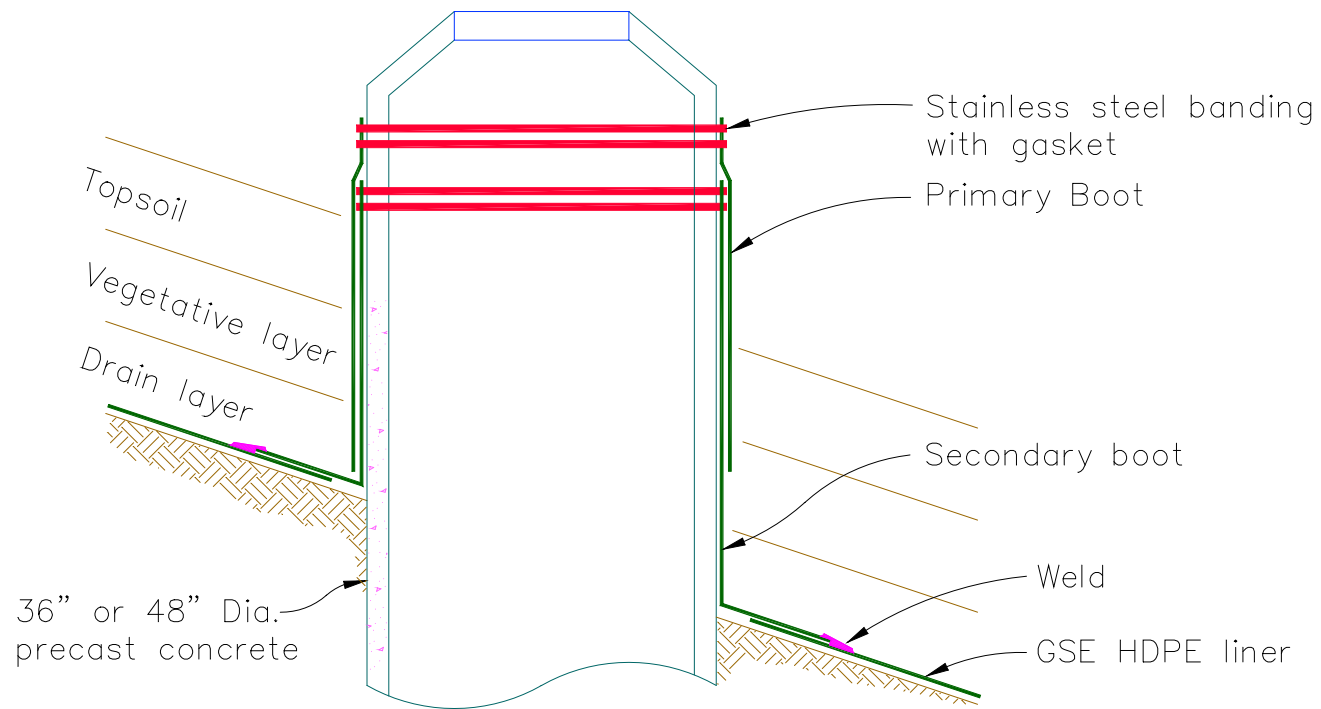
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Typical Section Thru Manhole

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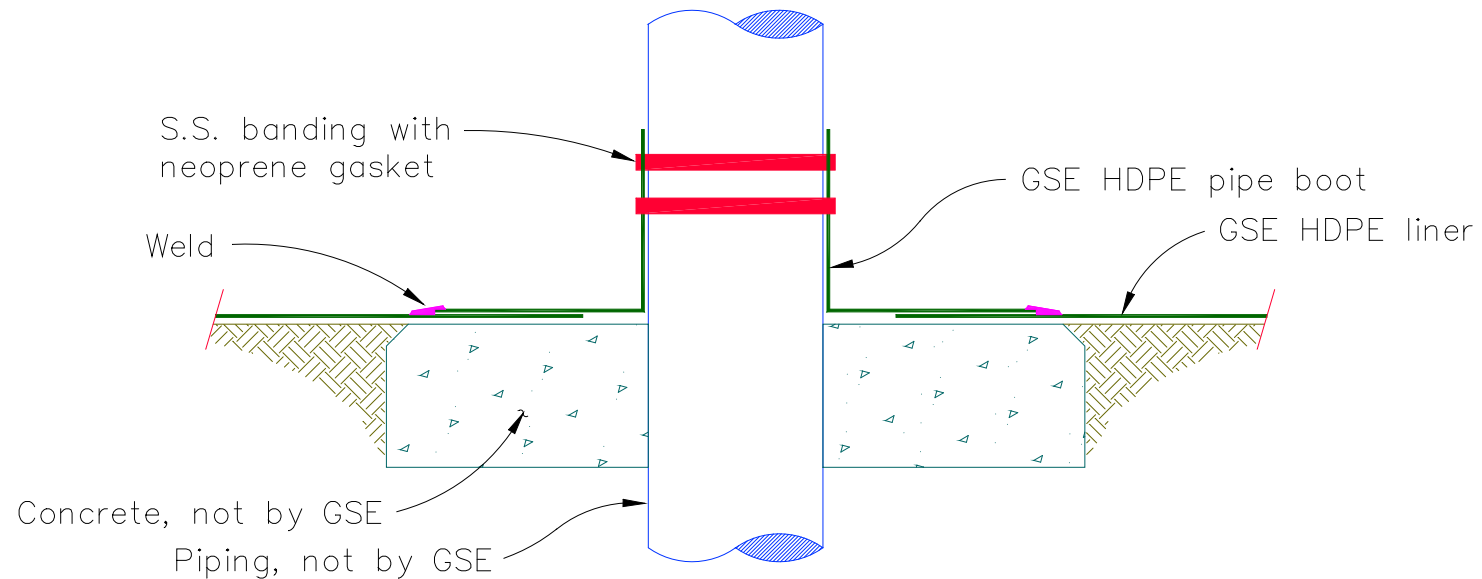
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Typical Pipe Penetration

Not to scale



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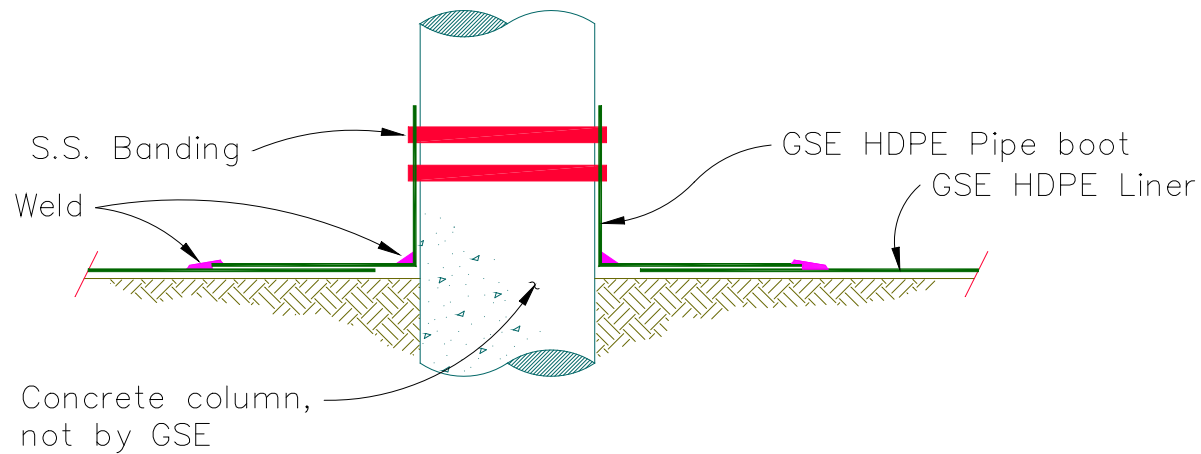
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Typical Liner Boot At Concrete Column

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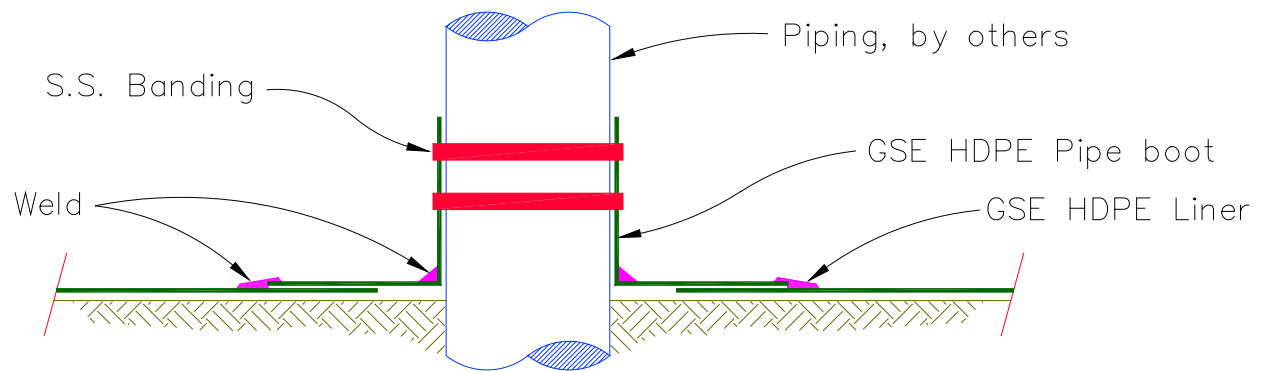
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Typical Vertical Pipe Penetration

Not to scale



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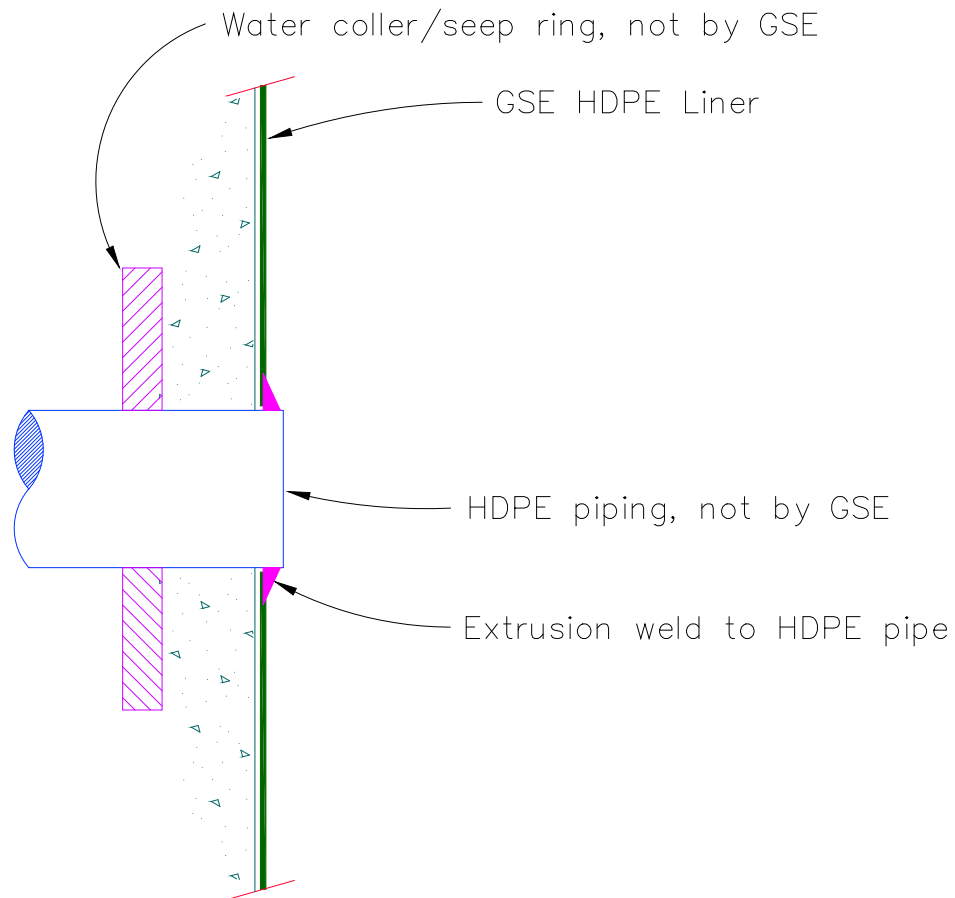
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Typical Penetration Thru Concrete Wall

Not to scale



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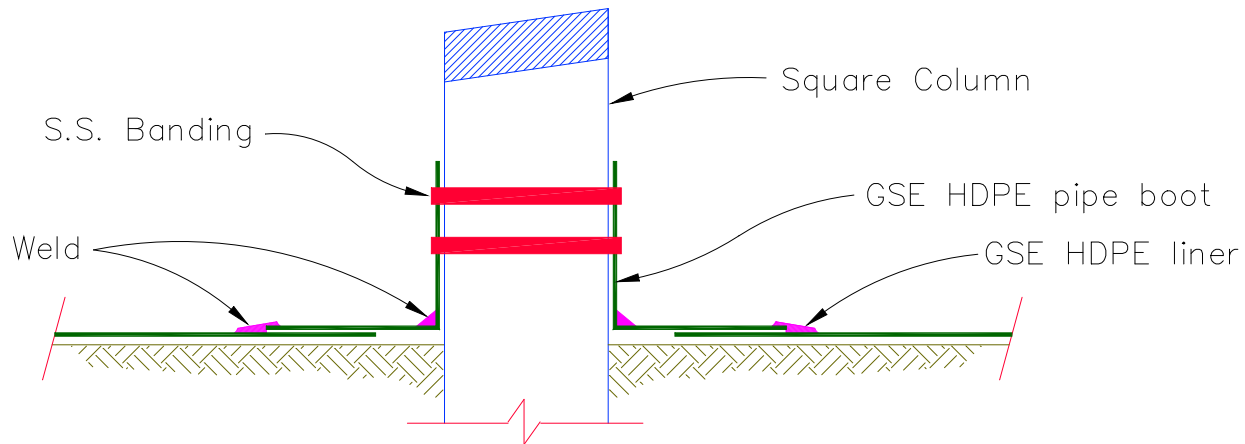
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Typical Vertical Pipe Penetration

Not to scale



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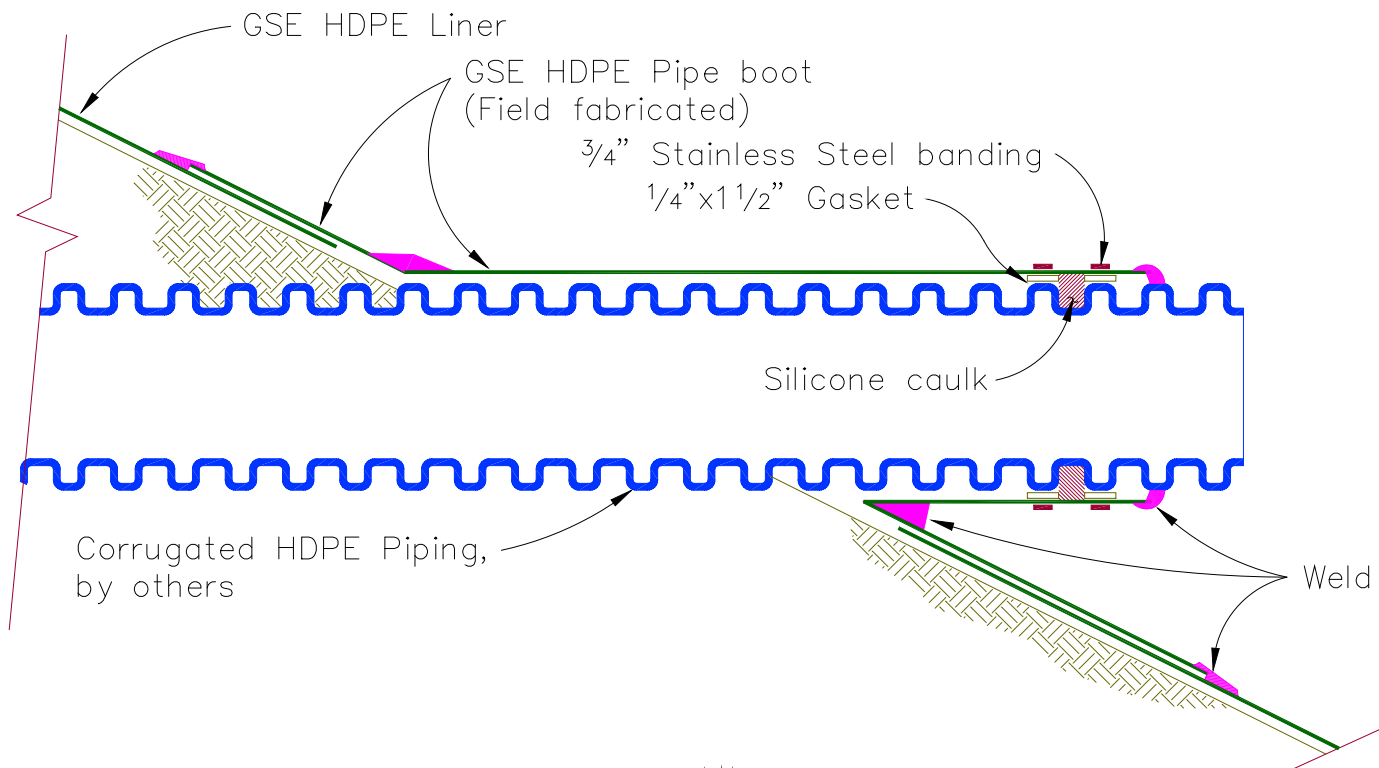
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D-PT033

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Typical Pipe Penetration With Corrugated Pipe

Not to scale



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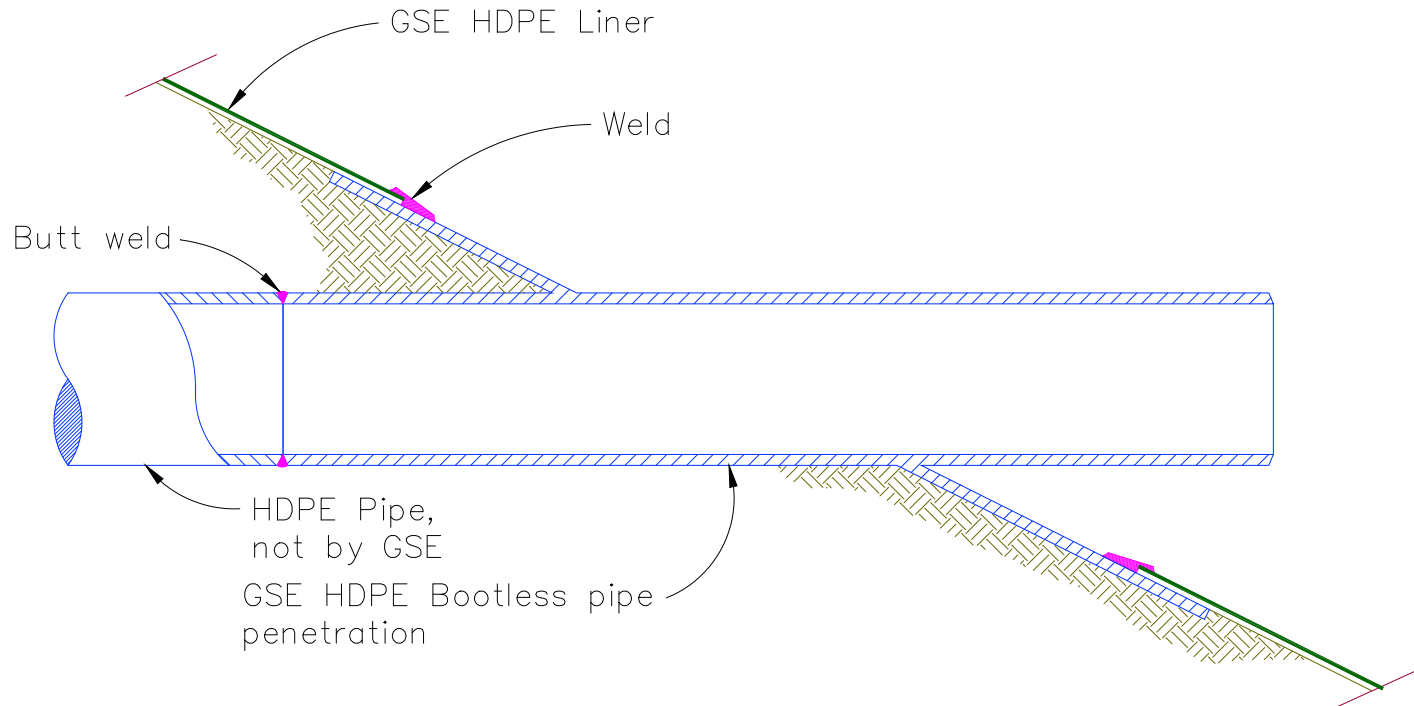
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Typical Bootless Pipe Penetration

Not to scale



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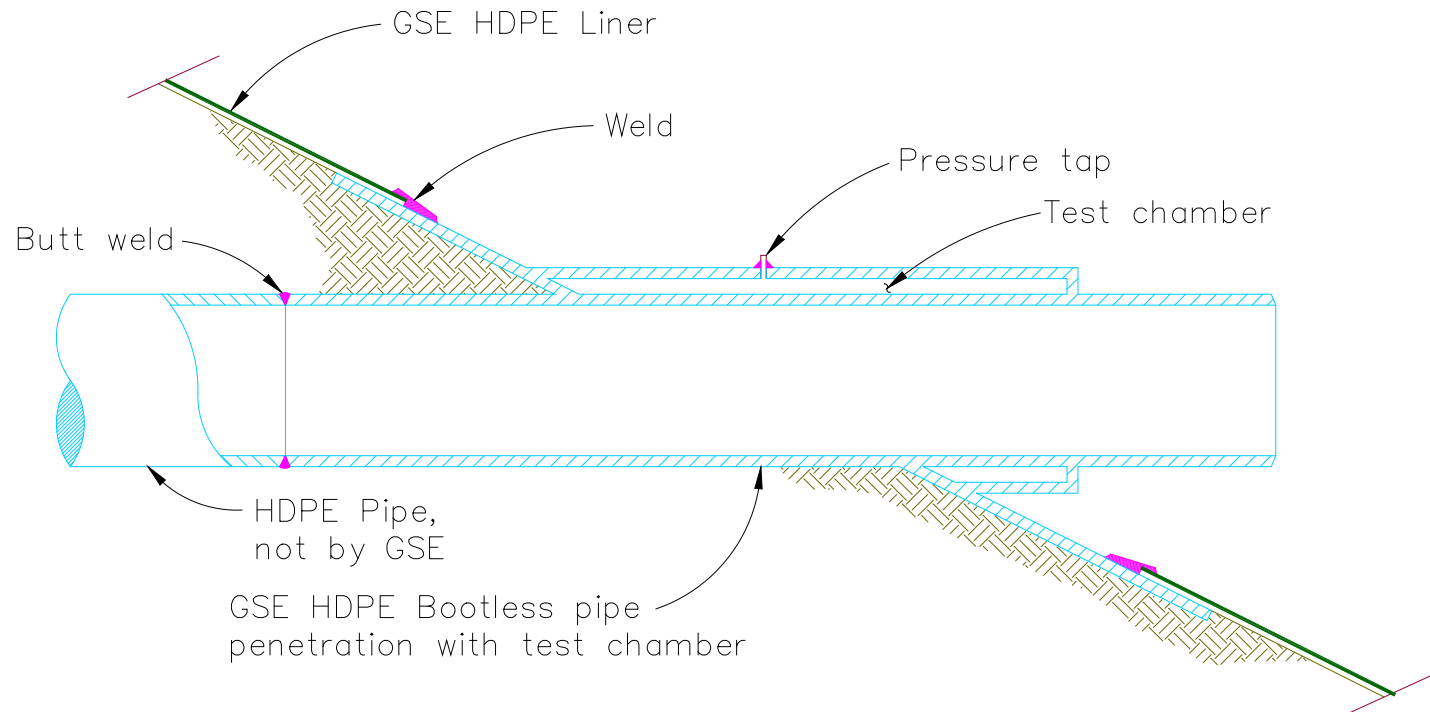
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Typical Bootless Pipe Penetration With Test Chamber

Not to scale



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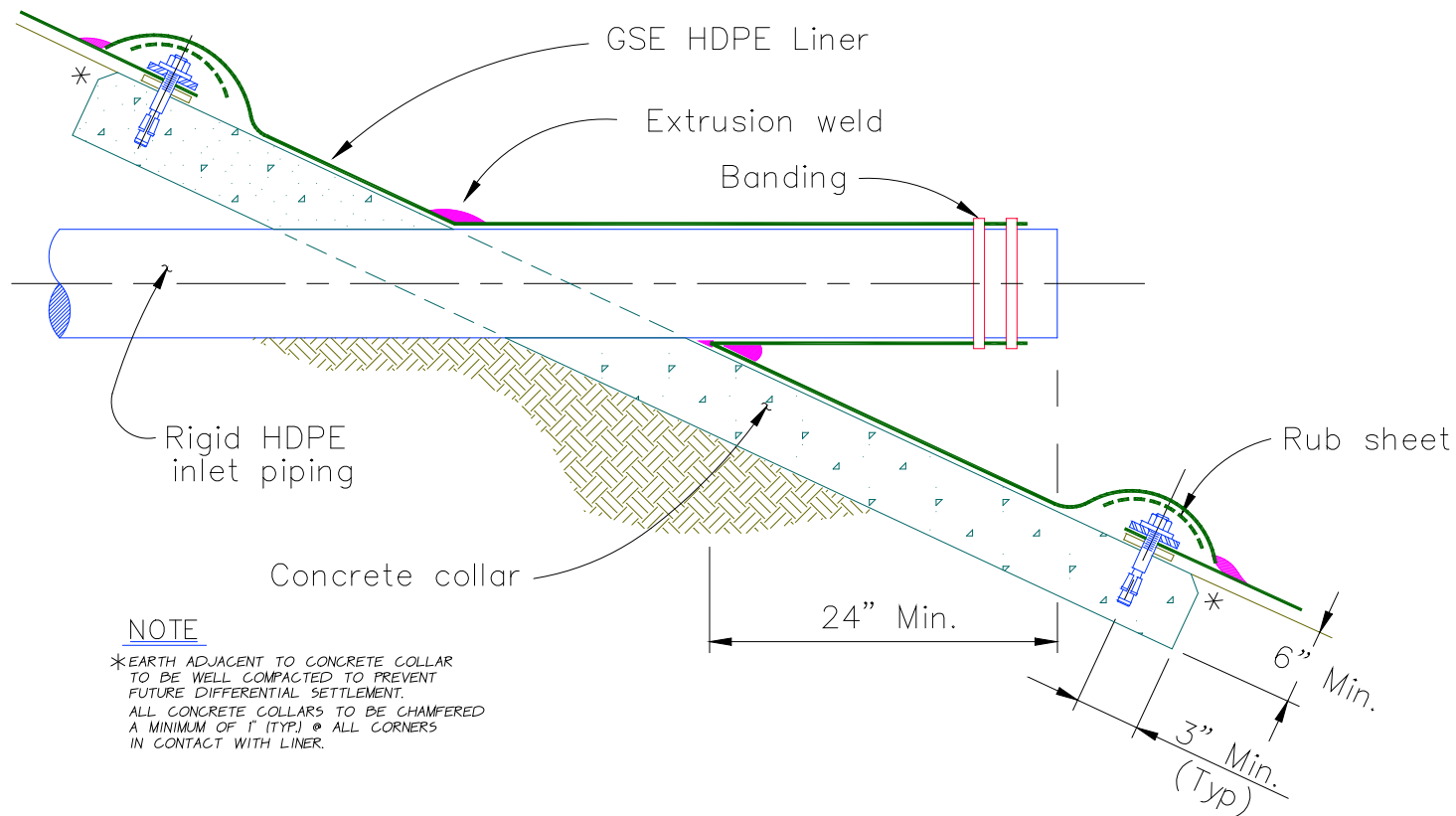
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Typical Pipe Penetration

(Banded pipe)
Not to scale



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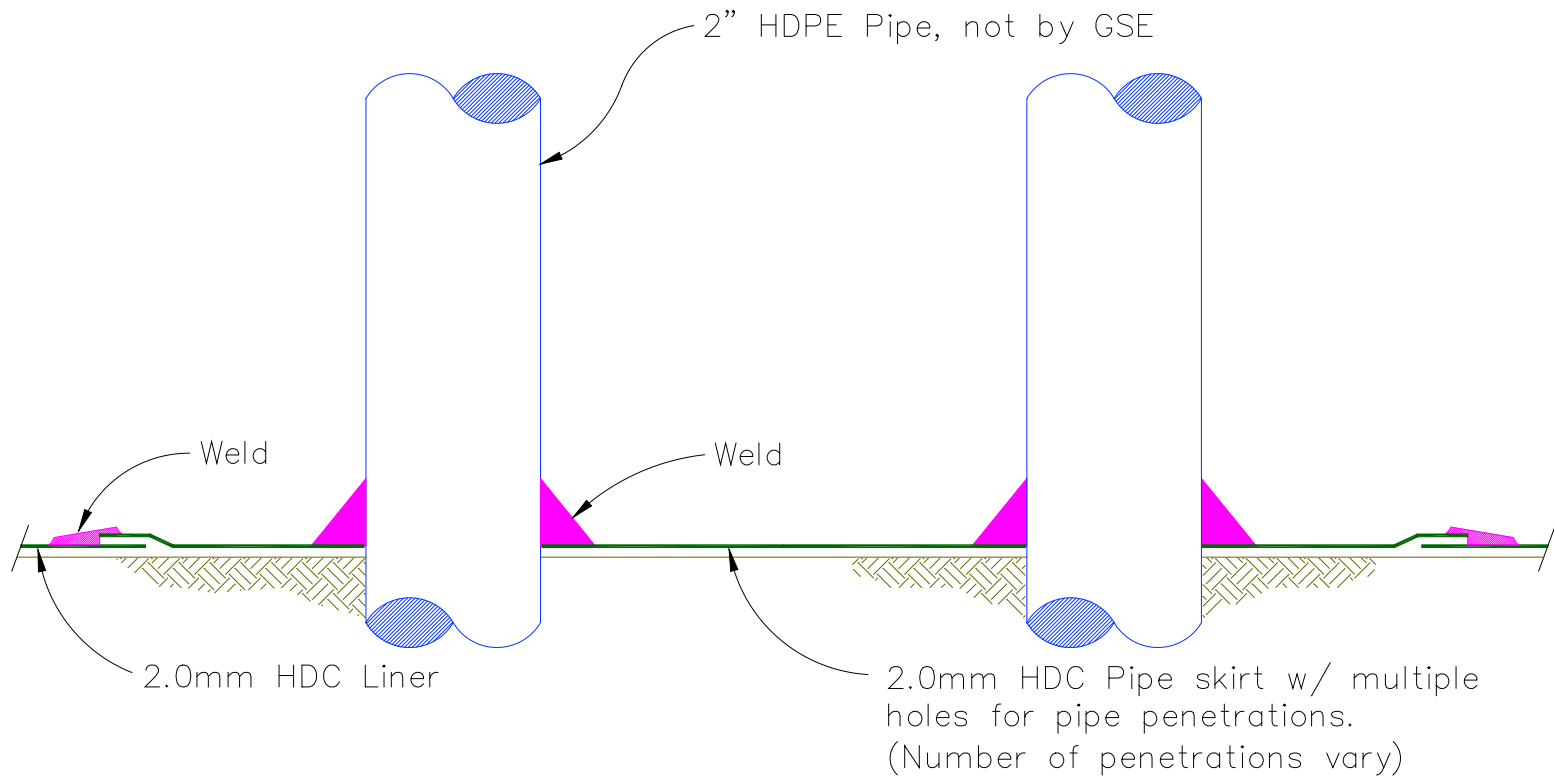
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D-PT037

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GSE HDC Pipe Skirt w/ Multiple Penetrations

Not to scale



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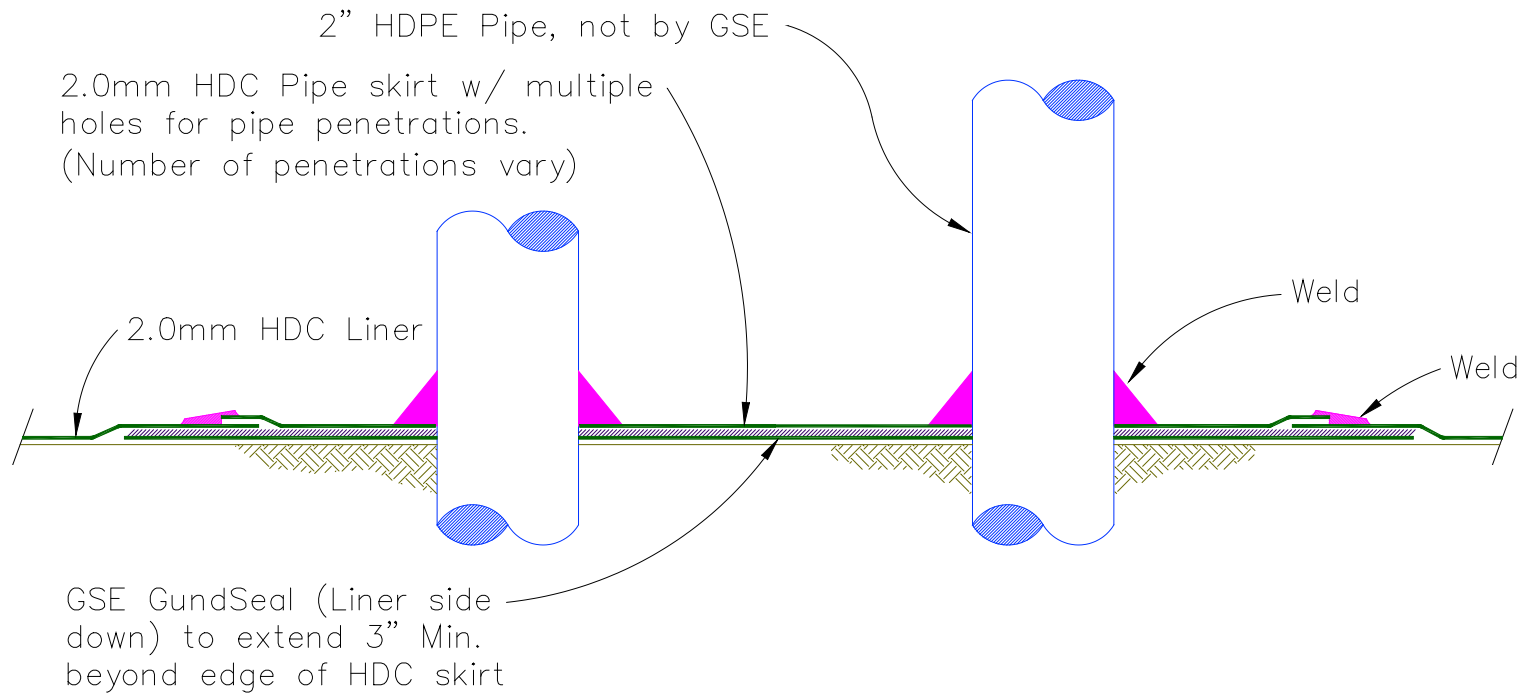
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GSE HDC Pipe Skirt w/ Multiple Penetrations

(With GSE GundSeal Base)
Not to scale



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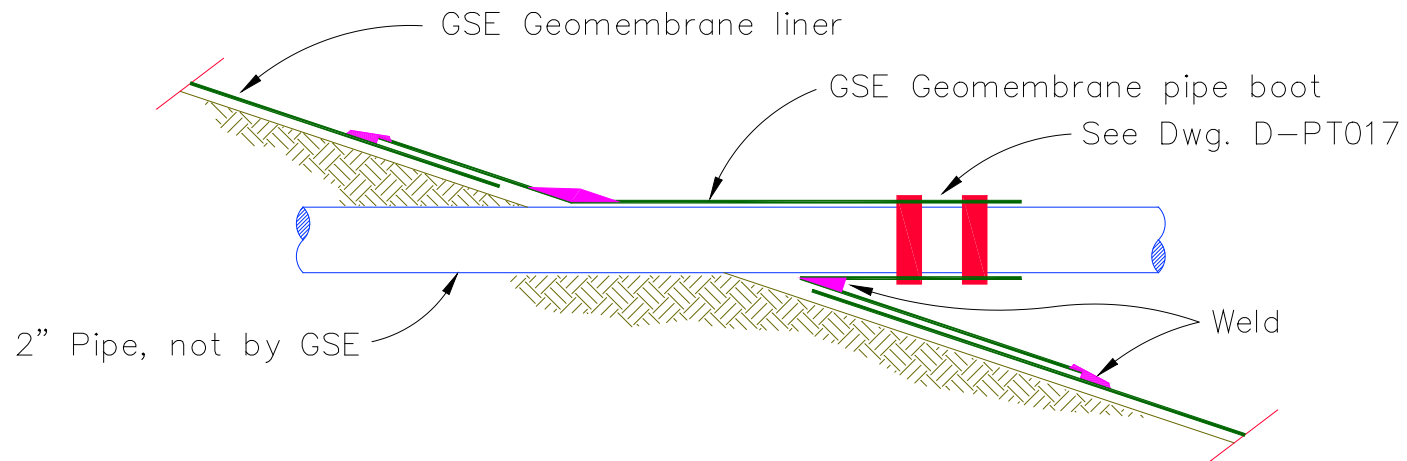
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2" Pipe Penetration

Not to Scale



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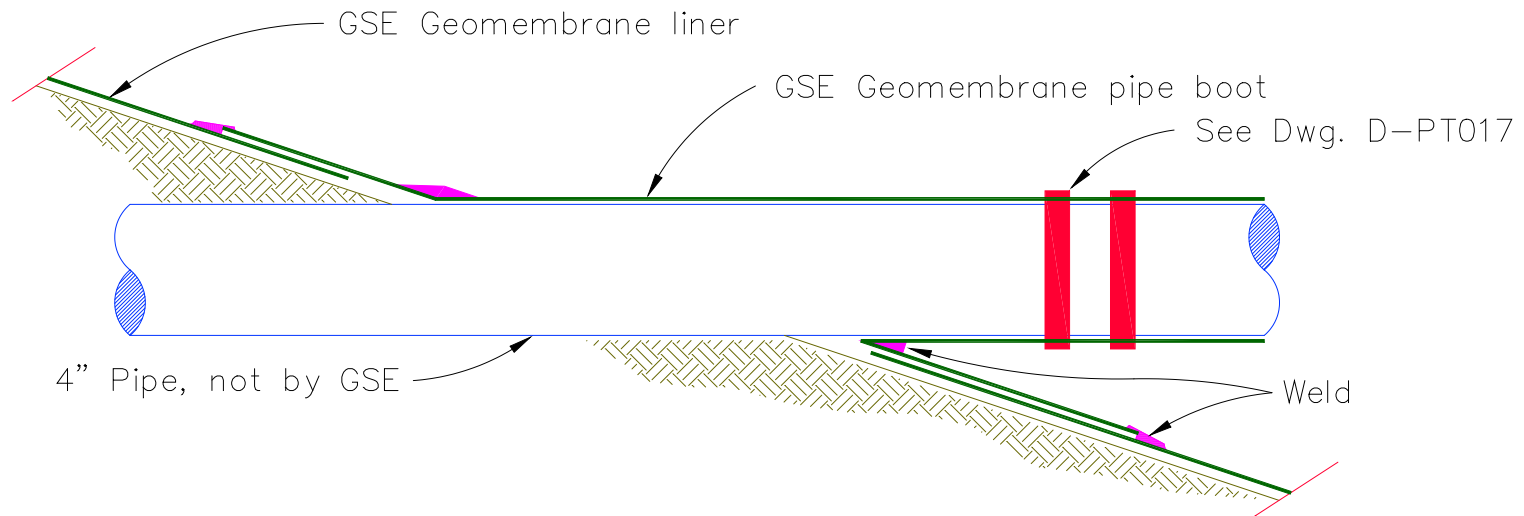
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4" Pipe Penetration

Not to Scale



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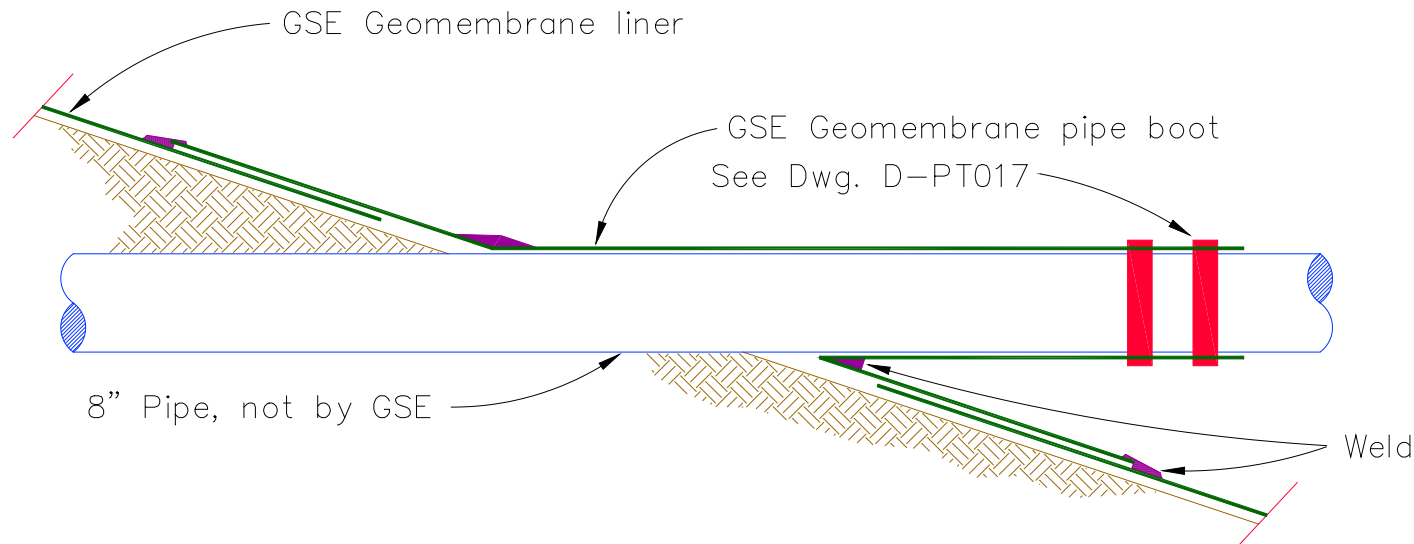
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8" Pipe Penetration

Not to Scale



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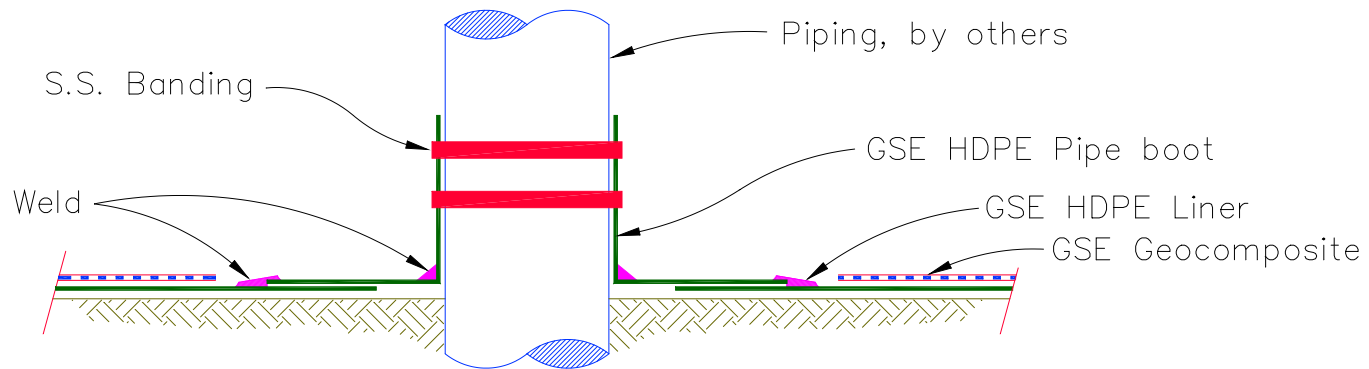
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DWG. NO.

D-PT042



Typical Vertical Pipe Penetration

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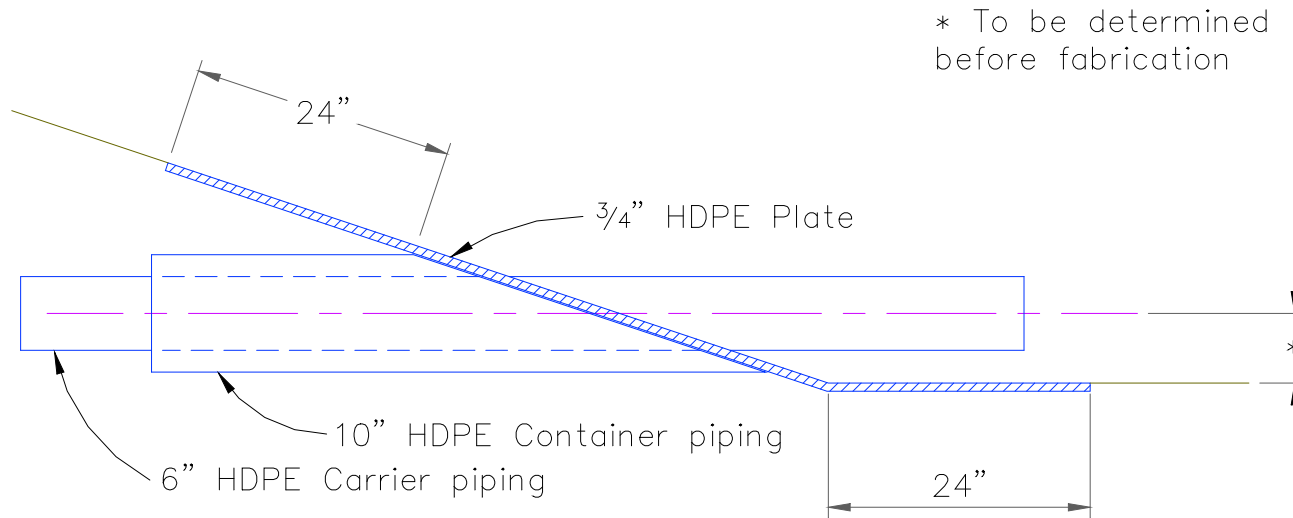
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HDPE Pipe Penetration With HDPE Plate

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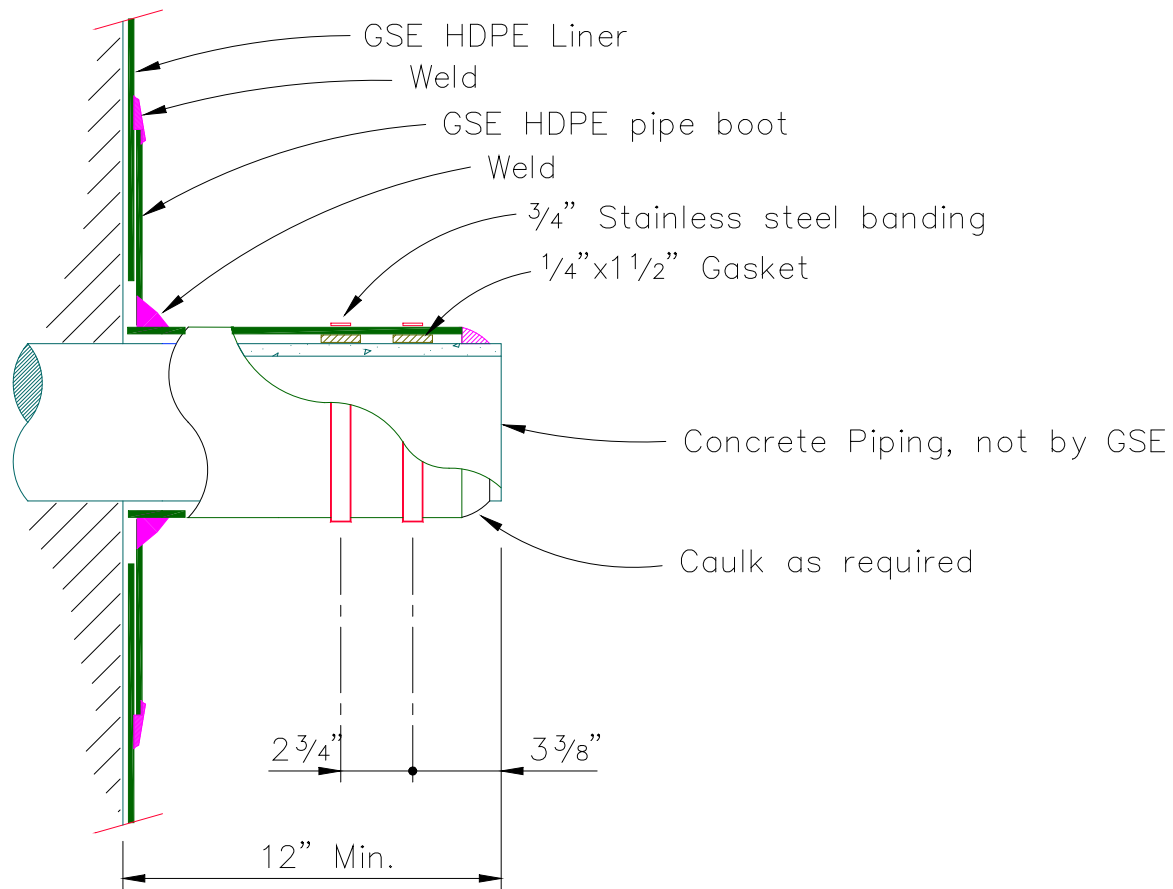
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Concrete Pipe Penetration

Not to scale



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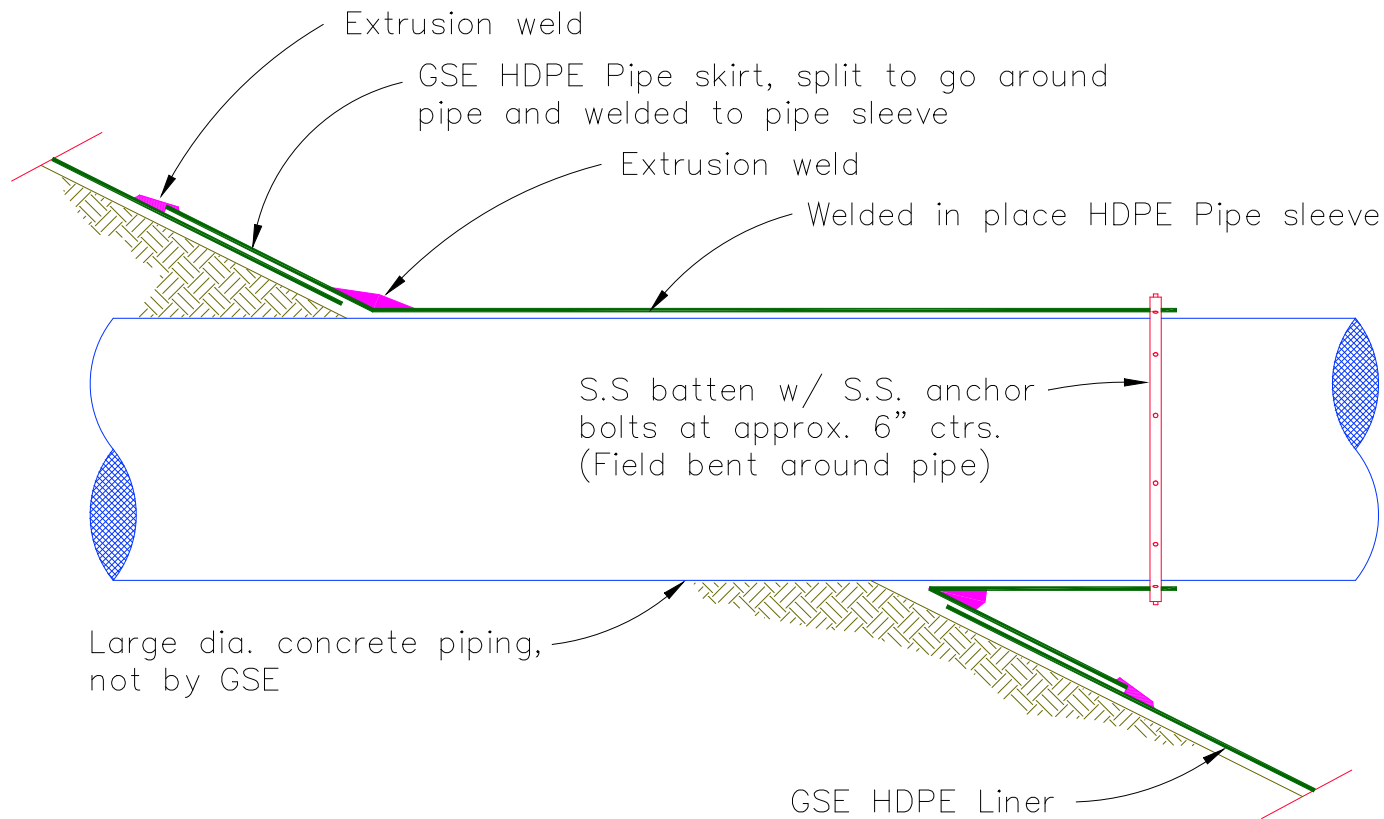
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Large Diameter Concrete Pipe Penetration

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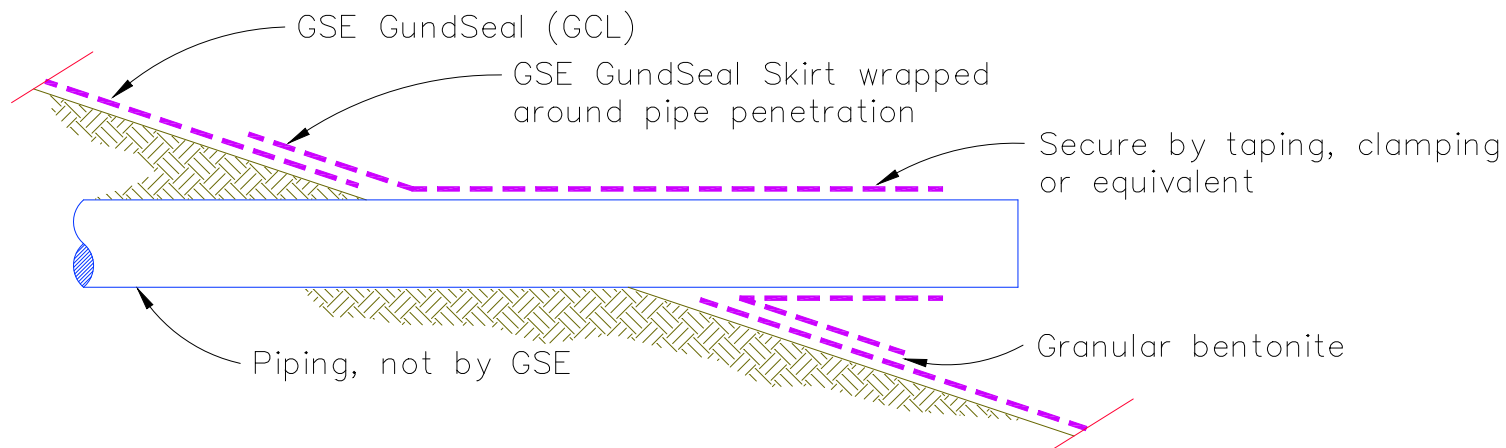
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Typical GundSeal Pipe Penetration Detail

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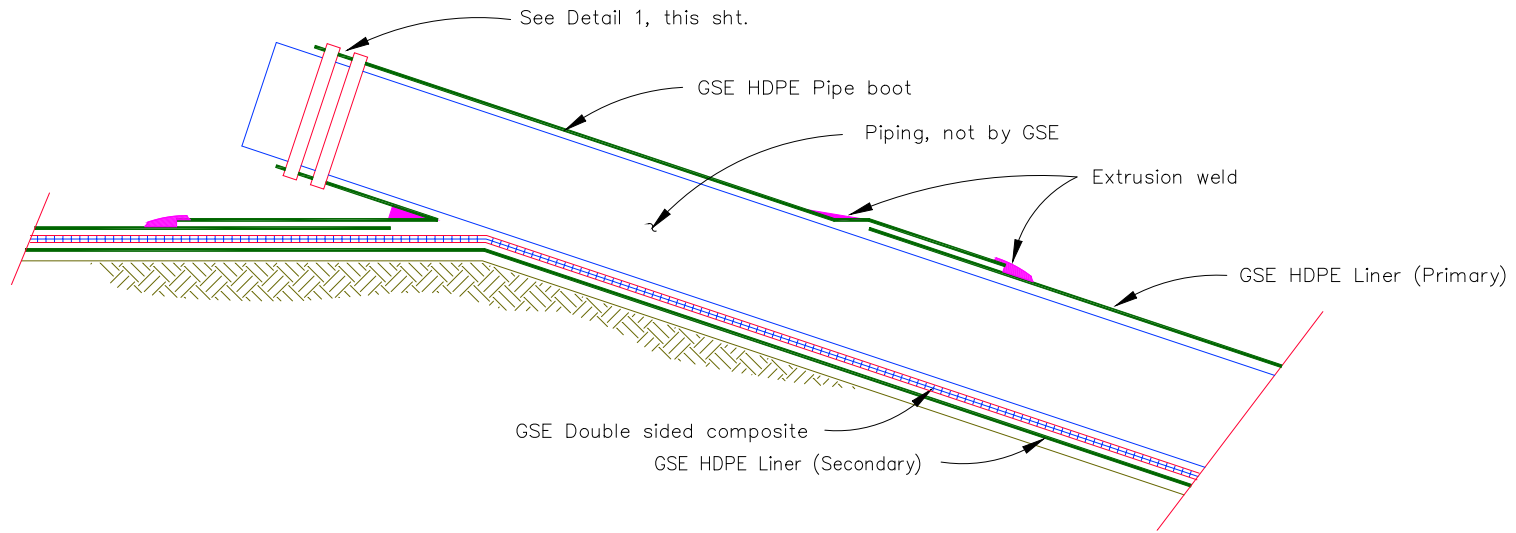
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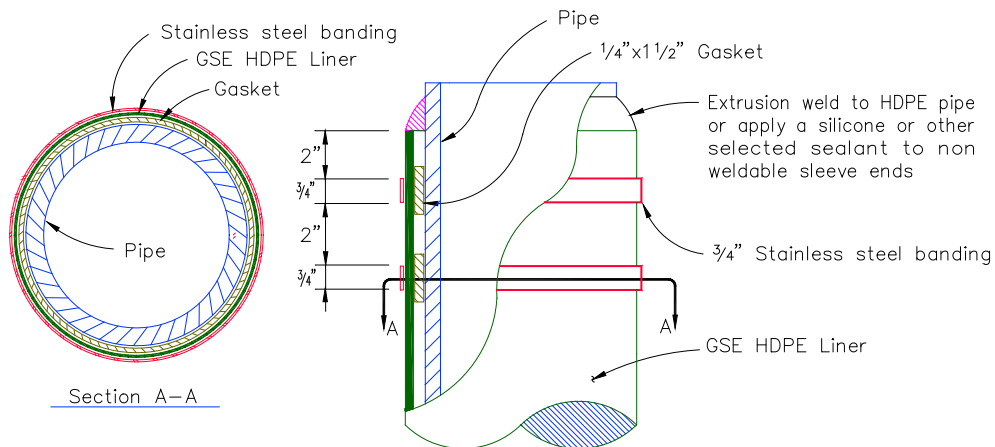
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Double Lined Penetration

Not to scale



Detail 1

Not to scale



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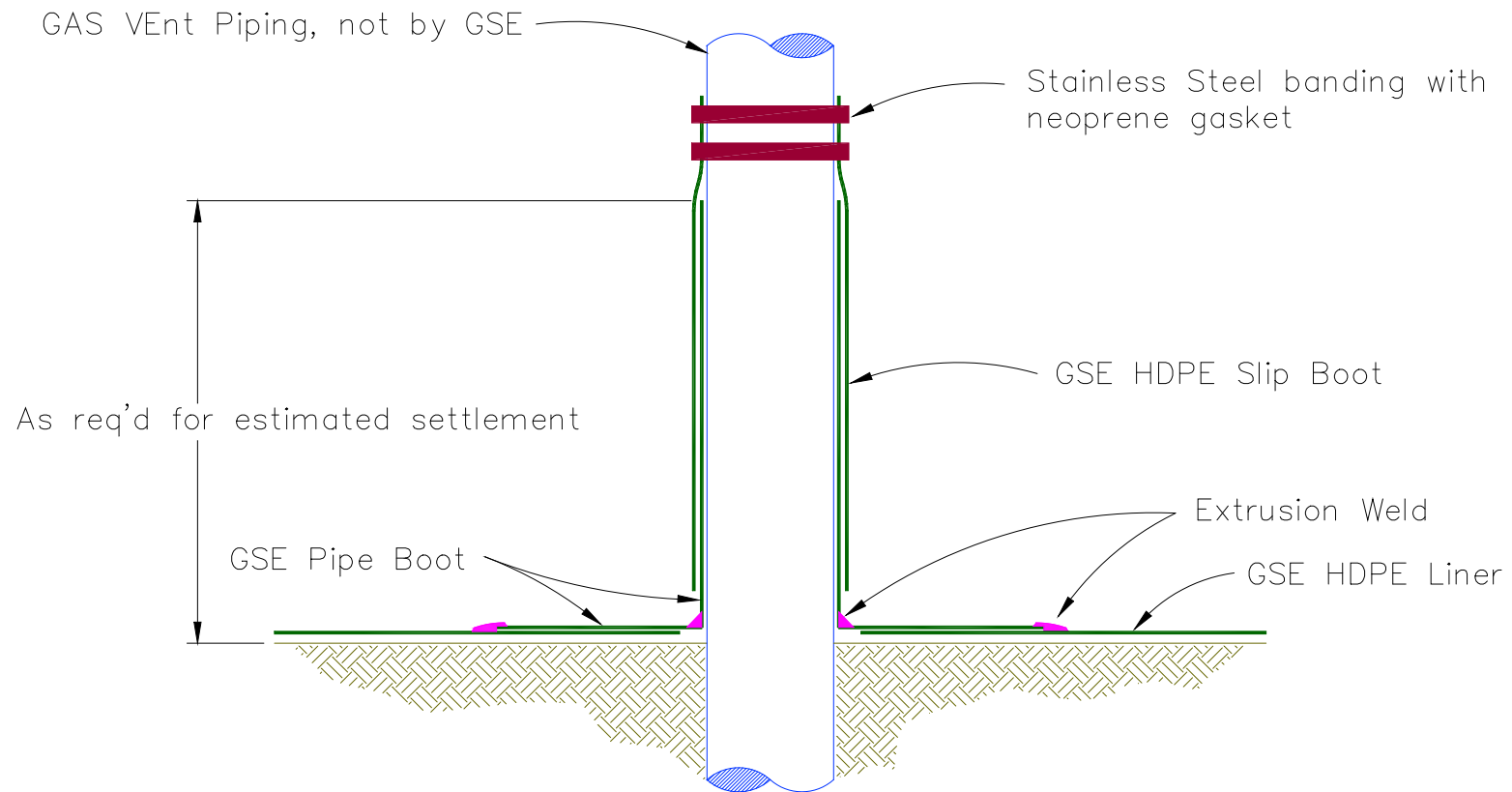
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Typical Gas Vent With HDPE Slip Boot

Not to scale



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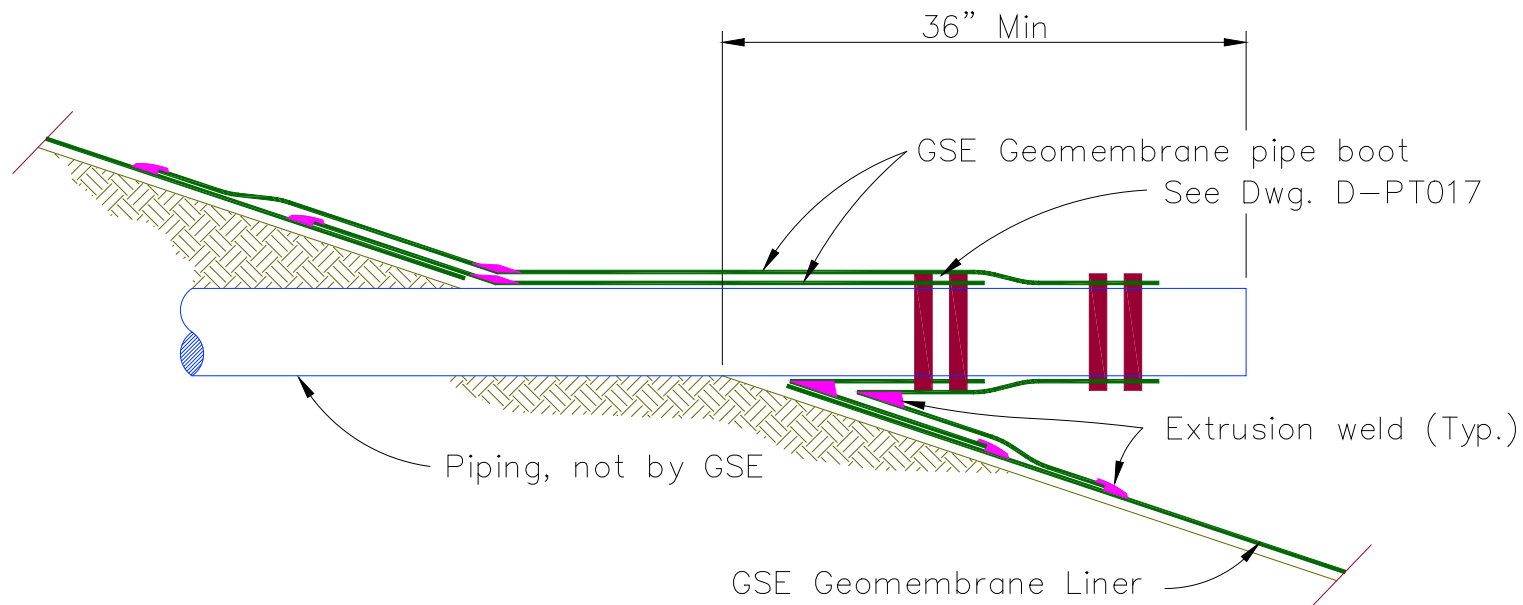
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DWG. NO.

D-PT049

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Minimum Pipe Projection W/ Double Boot

(Shown w/ single liner, double liner similar)
Not to scale



GSE Lining Technology, Inc.

19103 Gundel Road
Houston, Texas 77073-3598
(800)435-2008 / (281)443-8564

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DRAWN

Don

DATE

12-15-98

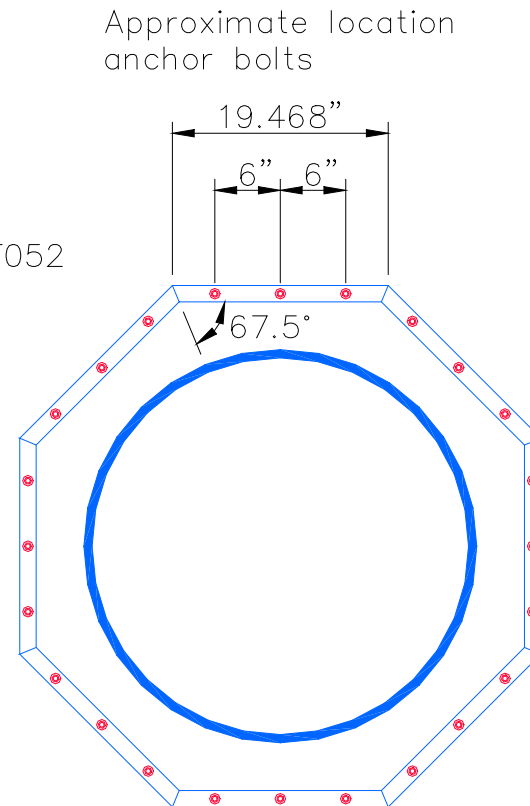
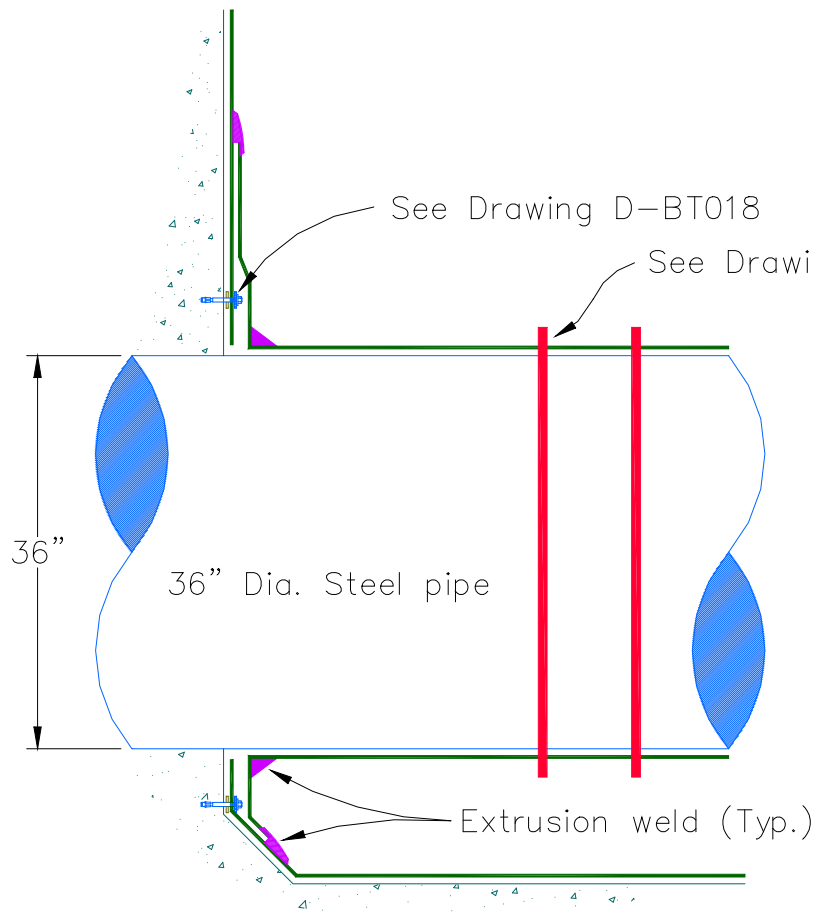
REVISION

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Batten Attachment With Overlaying Pipe Boot

not to scale



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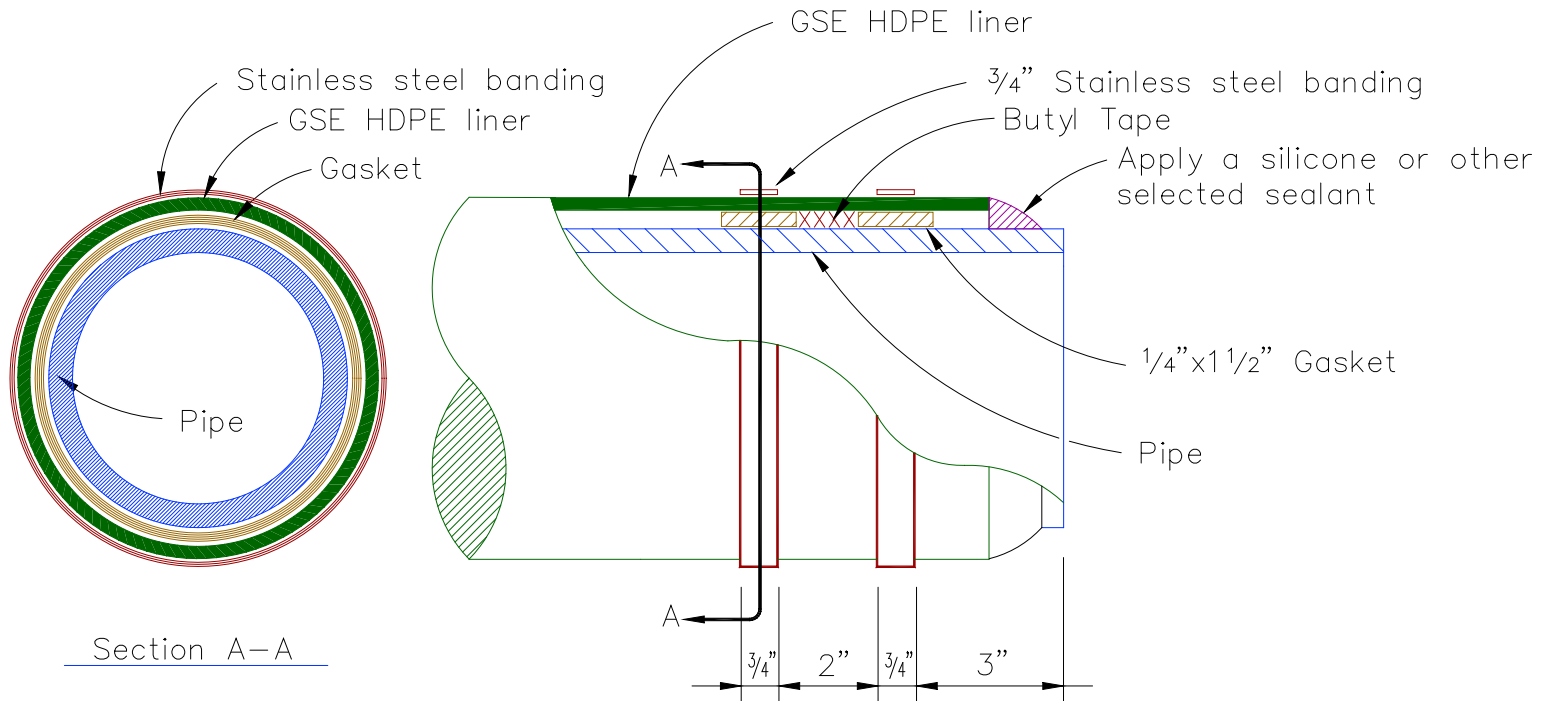
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Typical Pipe Penetration Seal

(Vertical or horizontal)
Not to scale



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