

## Typical Self Supporting Circumferential Section

(One piece two point anchor)  
Not to scale



### GSE Lining Technology, Inc.

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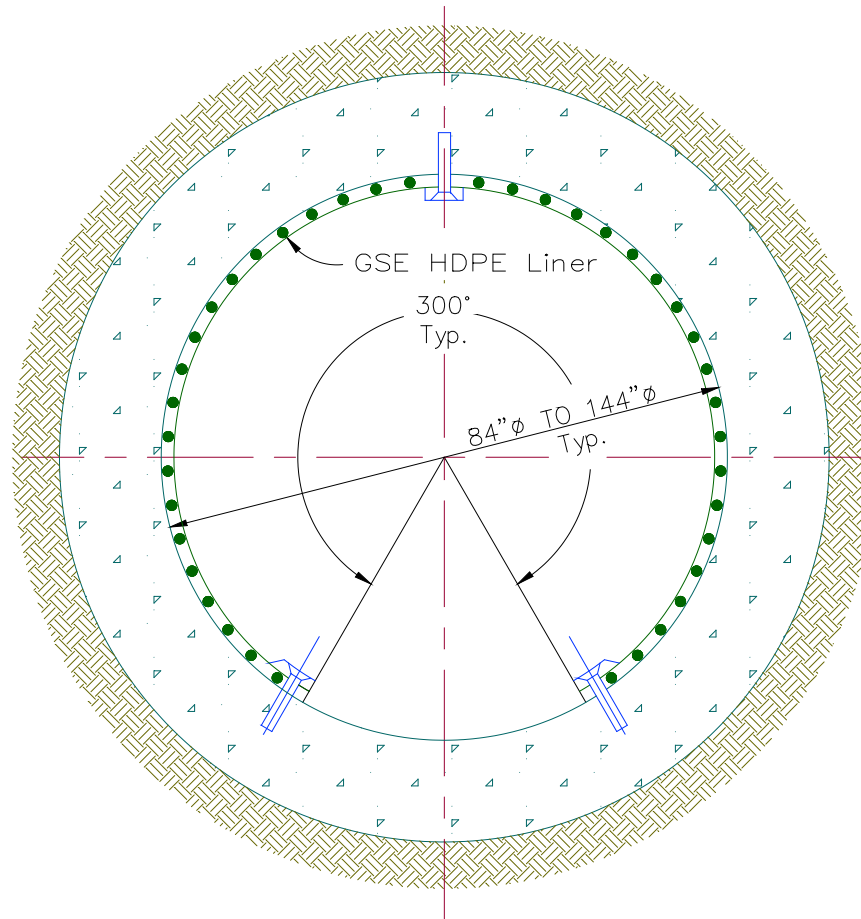
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DWG. NO.

D-TN001



## Typical Self Supporting Circumferential Section

(Two piece three point anchor)  
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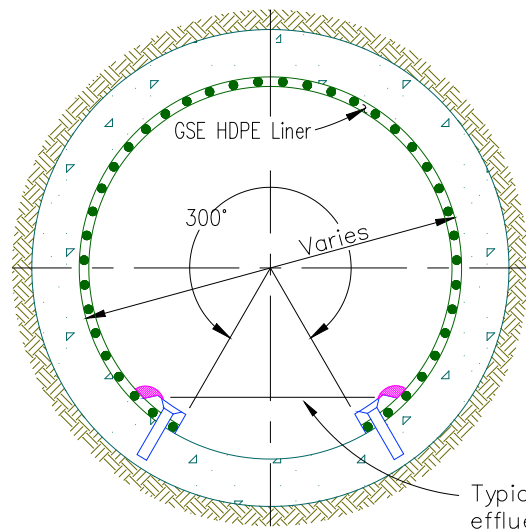
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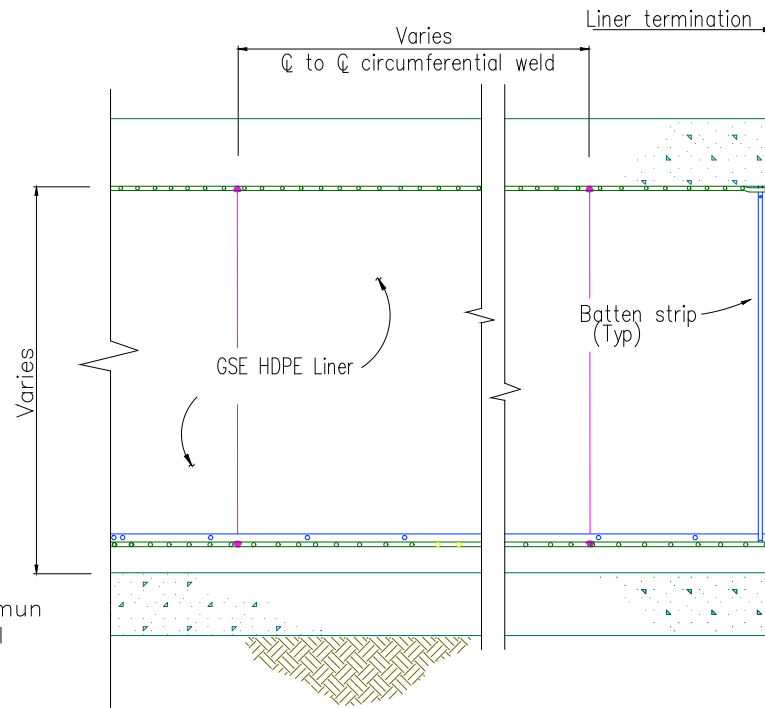
DWG. NO.

D-TN002



**Typical Cross-Section**

One piece two point fastening



**Typical Longitudinal Section**

## Typical Sections of Sanitary Sewer

Two point anchor arrangement  
Not to scale

### CONSTRUCTION NOTES

- 1) 2 RINGS (MINIMUM) OF BATTEN STRIP AT UPSTREAM AND DOWNSTREAM ENDS OF TUNNEL AND AT DIVERSION BOX ENTRANCES OR EXITS.



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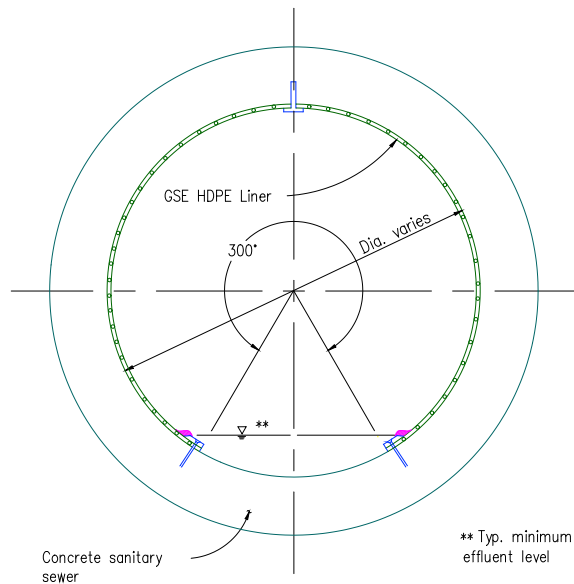
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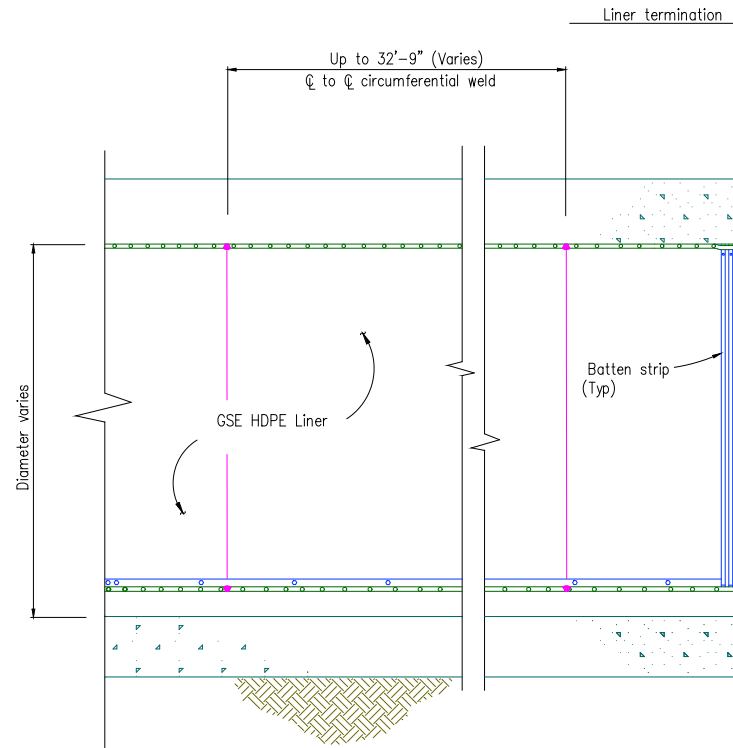
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DWG. NO.

D-TN003



**Typical Cross Section**



**Typical Longitudinal Section**

**Typical Sections of Sanitary Sewer**

Three point anchor arrangement  
Not to scale

**CONSTRUCTION NOTES**

- 1) 2 RINGS (MINIMUM) OF BATTEN STRIP AT UPSTREAM AND DOWNSTREAM ENDS OF TUNNEL AND AT DIVERSION BOX ENTRANCES OR EXITS.



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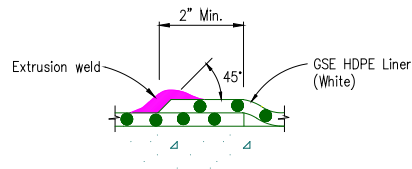
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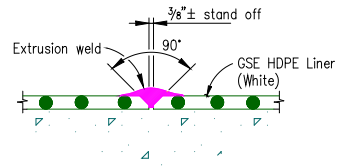
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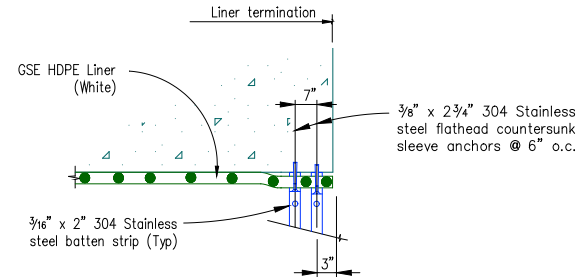
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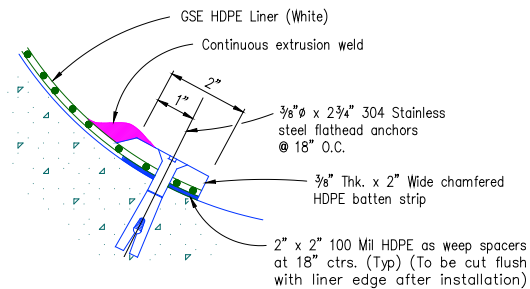
**Alternate Circumferential Weld Detail**  
Not to scale



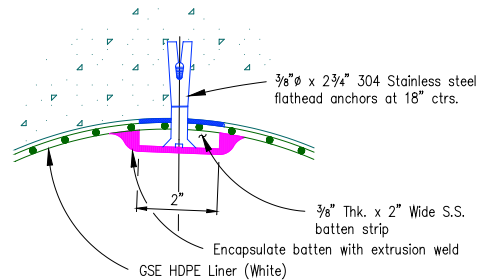
**Typical Circumferential Weld Detail**  
Not to scale



**Terminating Edge Sealing Detail**  
Not to scale



**Typical Bottom HDPE Batten Detail**  
Not to scale



**Typical Top S.S. Batten Detail**  
Not to scale

#### CONSTRUCTION NOTES

- 1) 2 RINGS (MINIMUM) OF BATTEN STRIP AT UPSTREAM AND DOWNSTREAM ENDS OF TUNNEL AND AT DIVERSION BOX ENTRANCES OR EXITS.

## TYPICAL TUNNEL DETAILS

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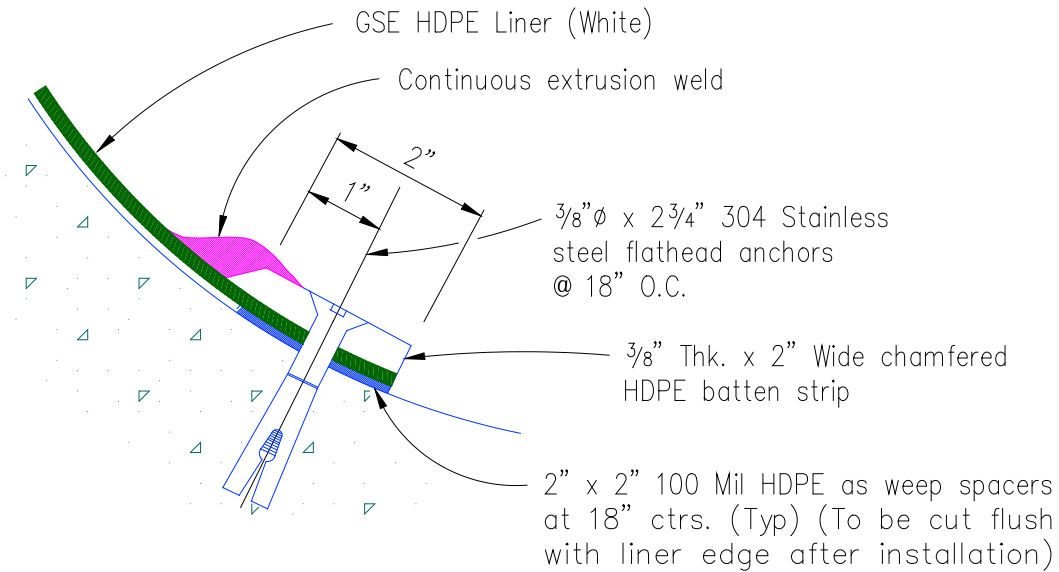
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## Typical Bottom HDPE Batten Detail

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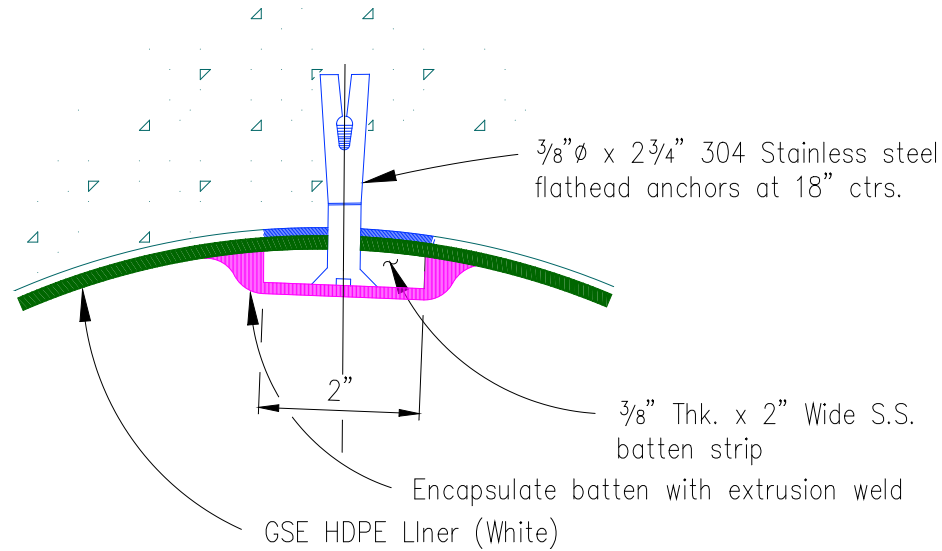
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## Typical Top S.S. Batten Detail

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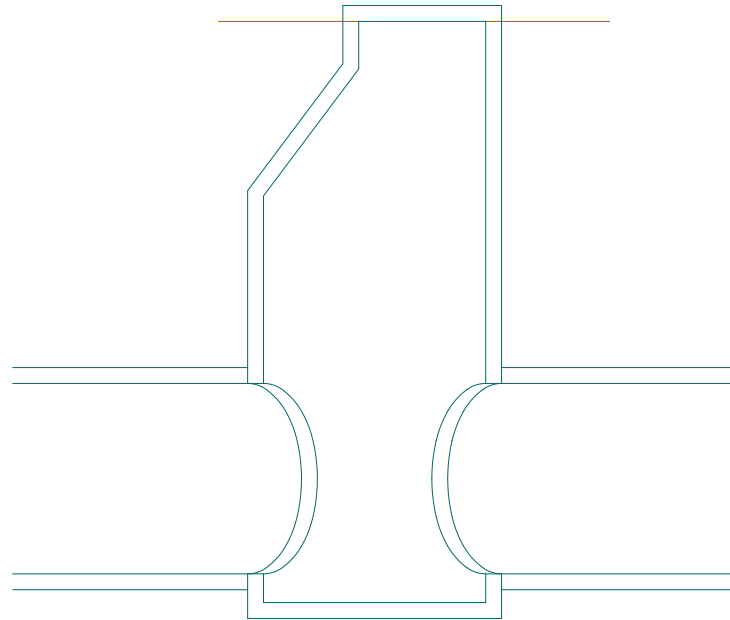
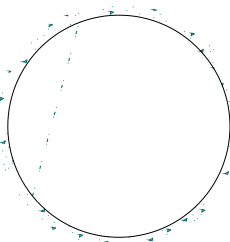
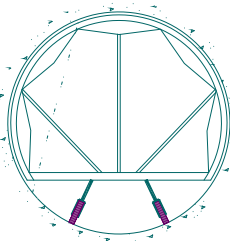
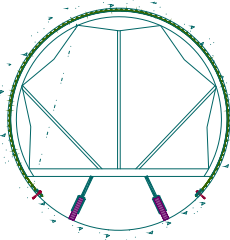
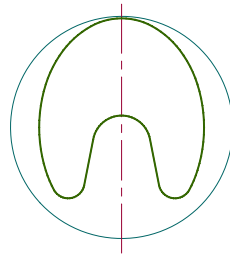
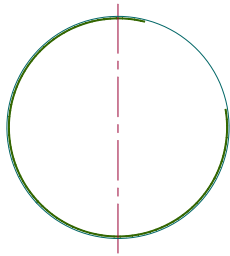
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D-TN007



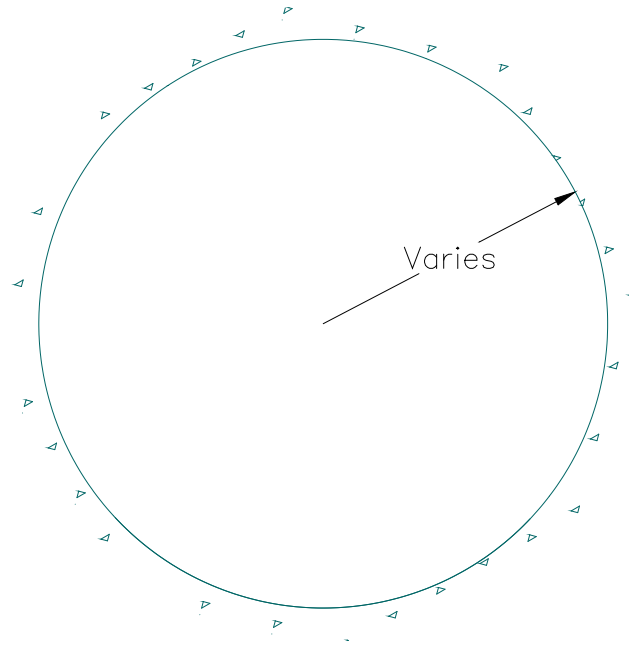
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## Typical Section #1

(Existing Tunnel With Old Material Removed)  
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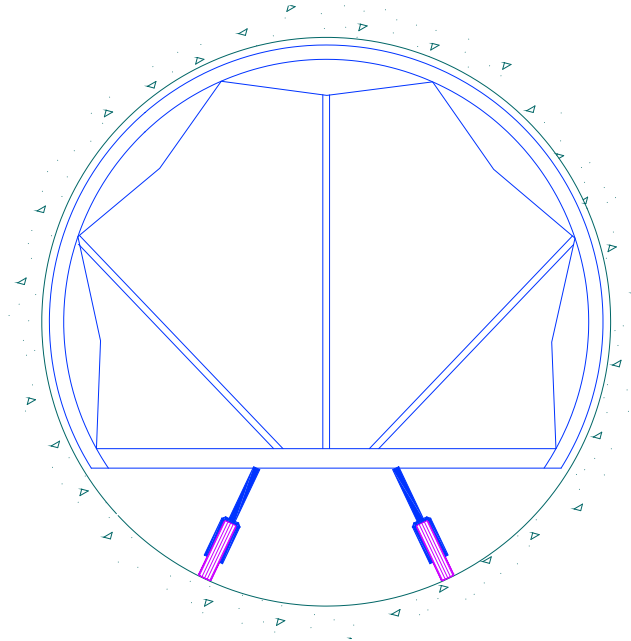
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## Typical Section #2

(Existing Tunnel With Stud Liner Installation Machine)  
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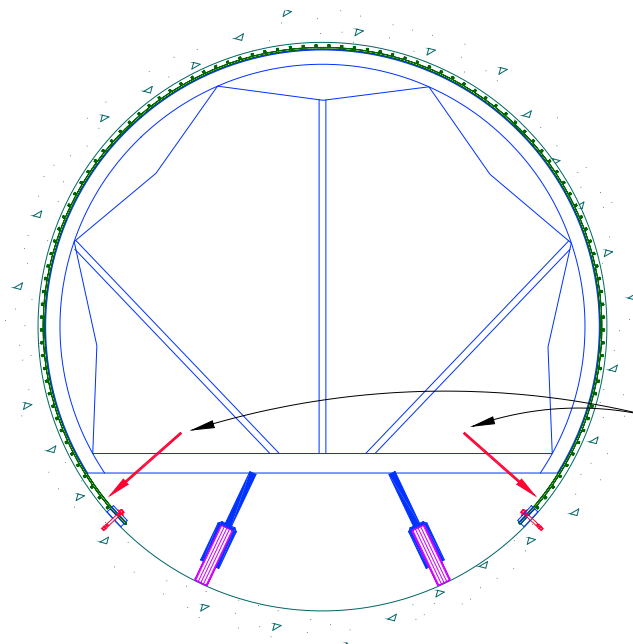
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Clamp, see Section 4

## Typical Section #3

(Existing Tunnel Prior to Grout Installation)  
(Schematic Only)  
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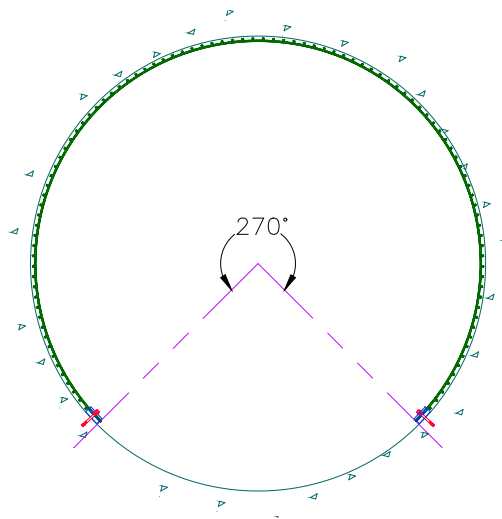
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**Typical Section #6**  
 (Existing Tunnel With New HDPE Liner)  
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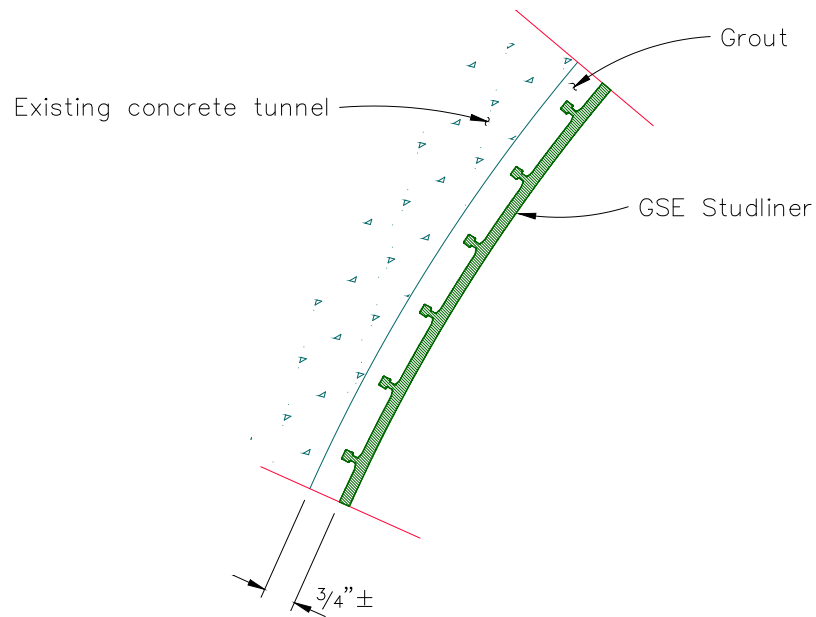


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**Typical Section #5**  
 (Existing Tunnel With GSE Studliner)  
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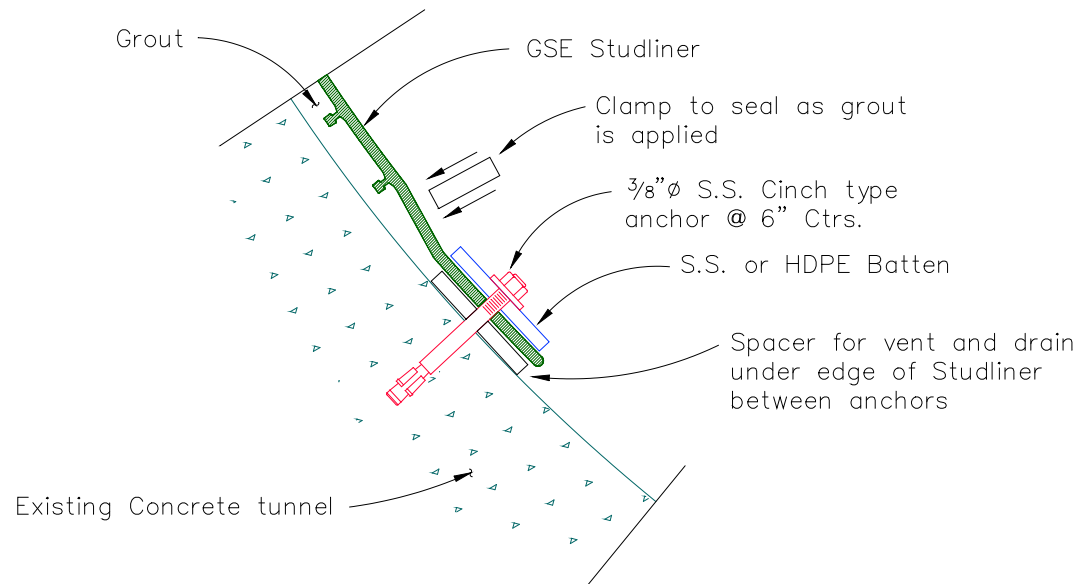
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### Typical Section #4

(Studliner Bottom Seal)

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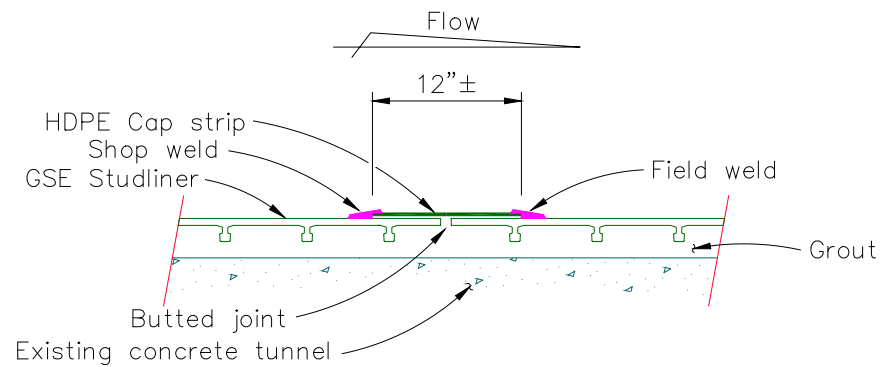
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## Typical Section #7

(Typical Lap joint)  
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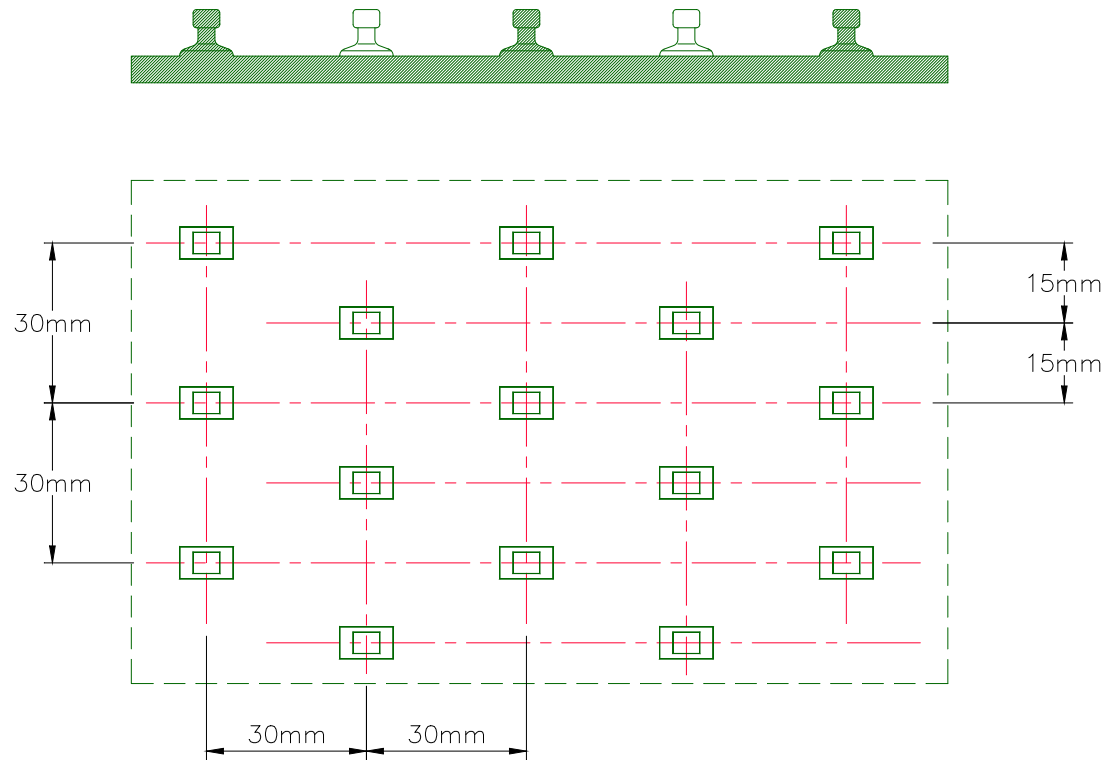
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## Typical Section Of GSE StudLiner

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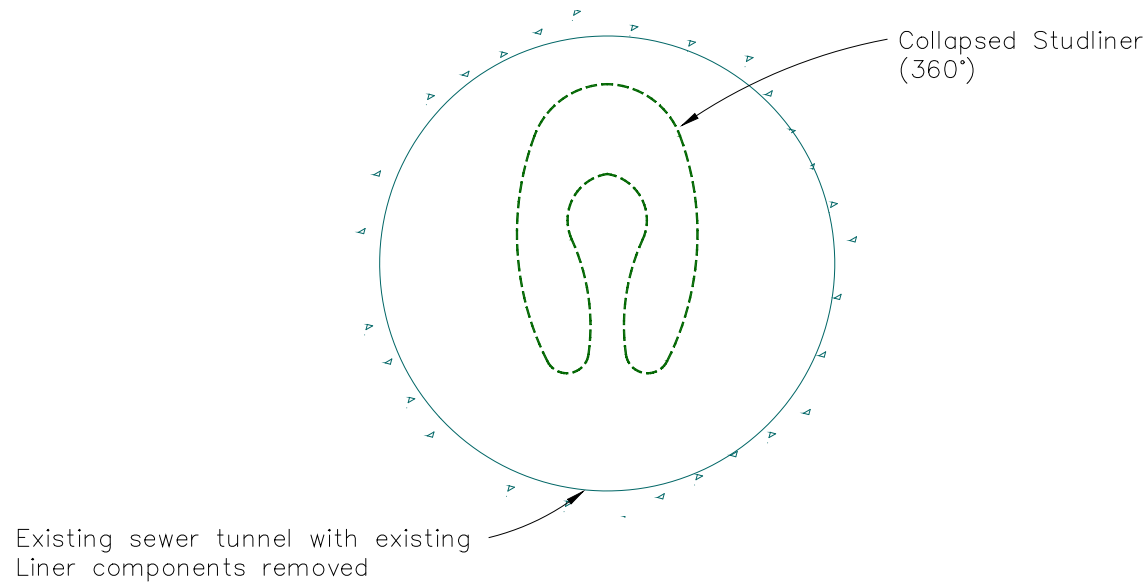
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### Typical Section #8

(Existing Tunnel With 360° Collapsed Studliner)  
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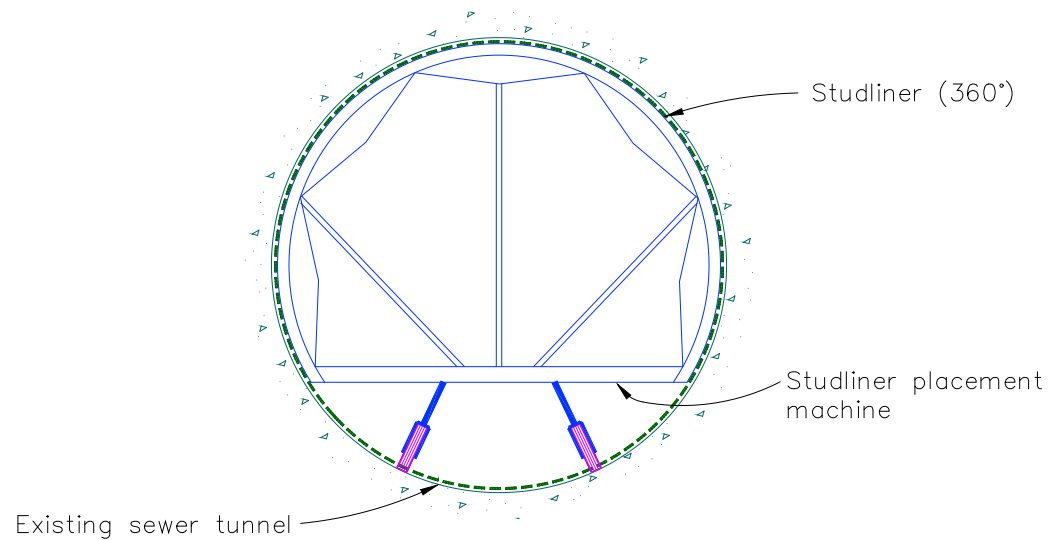
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**Typical Section #9**  
 (Existing Tunnel With 360° Expanded Studliner & Installation Machine)  
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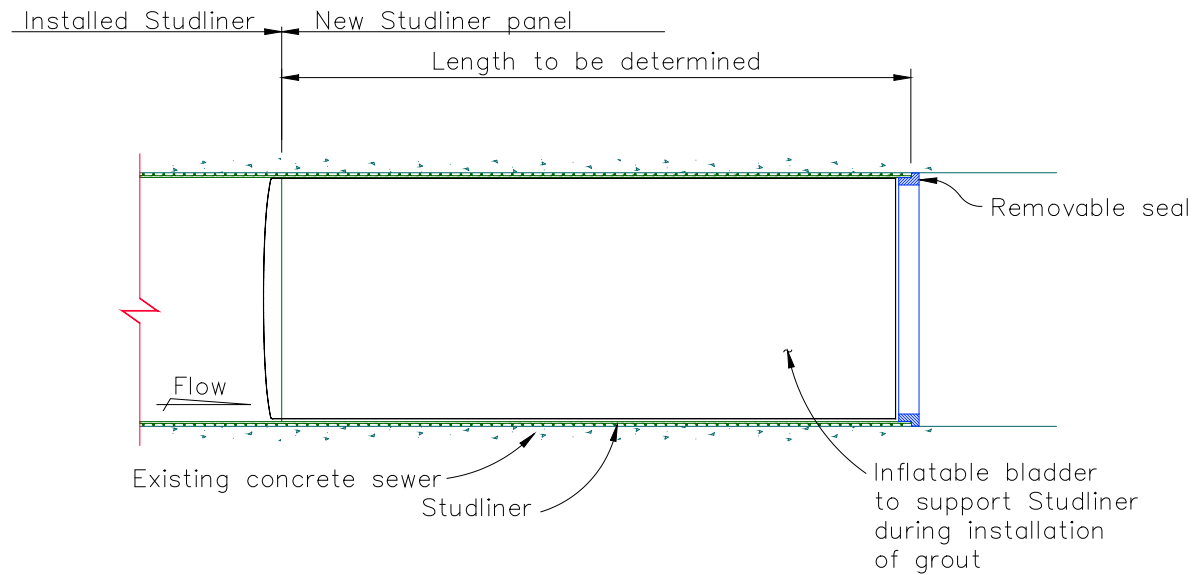
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**Typical Section #10**  
 (Studliner Installation With Inflatable Bladder)  
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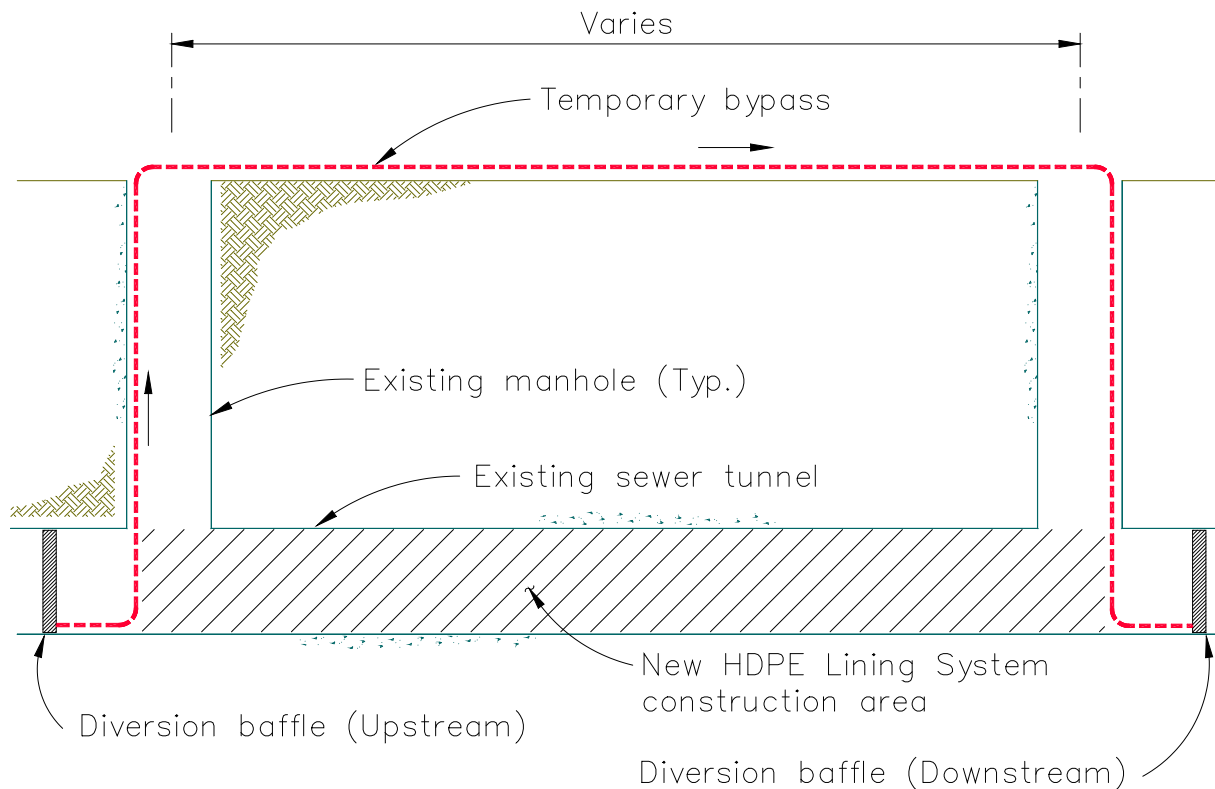
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## Sewage Diversion Schematic

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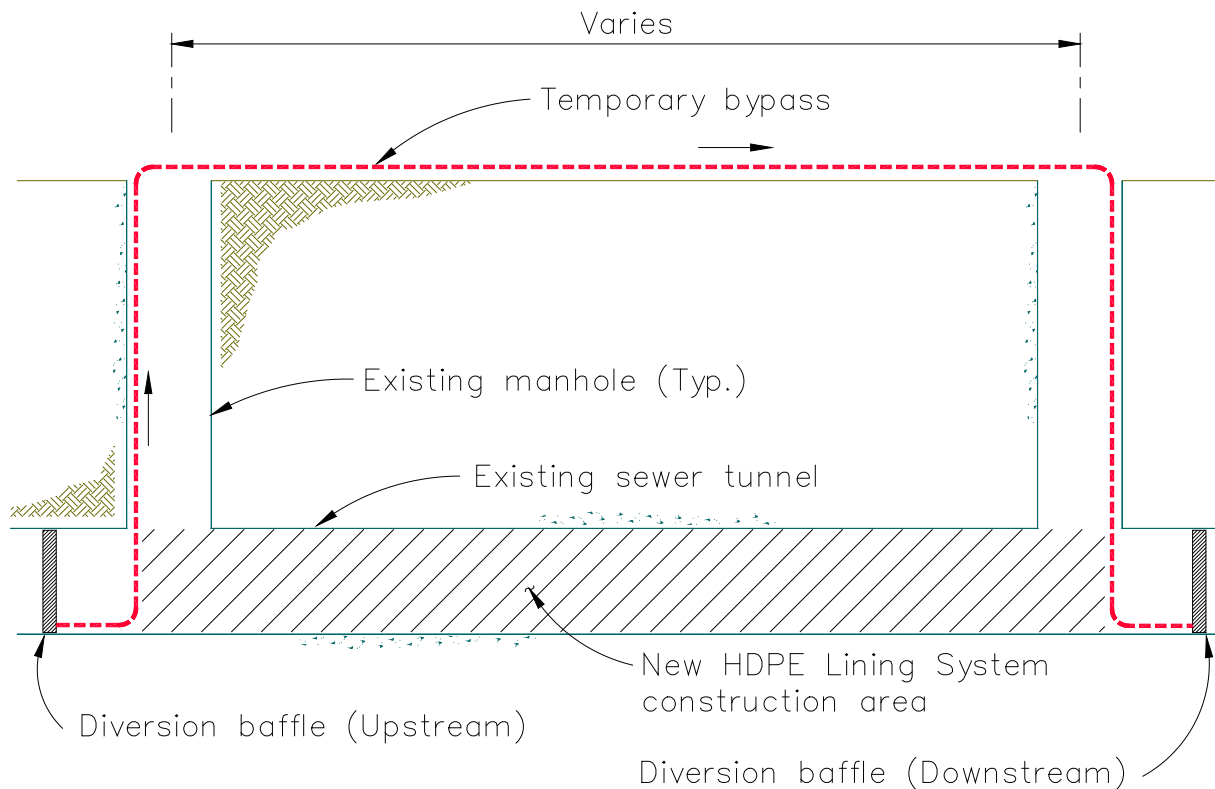
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## Sewage Diversion Schematic

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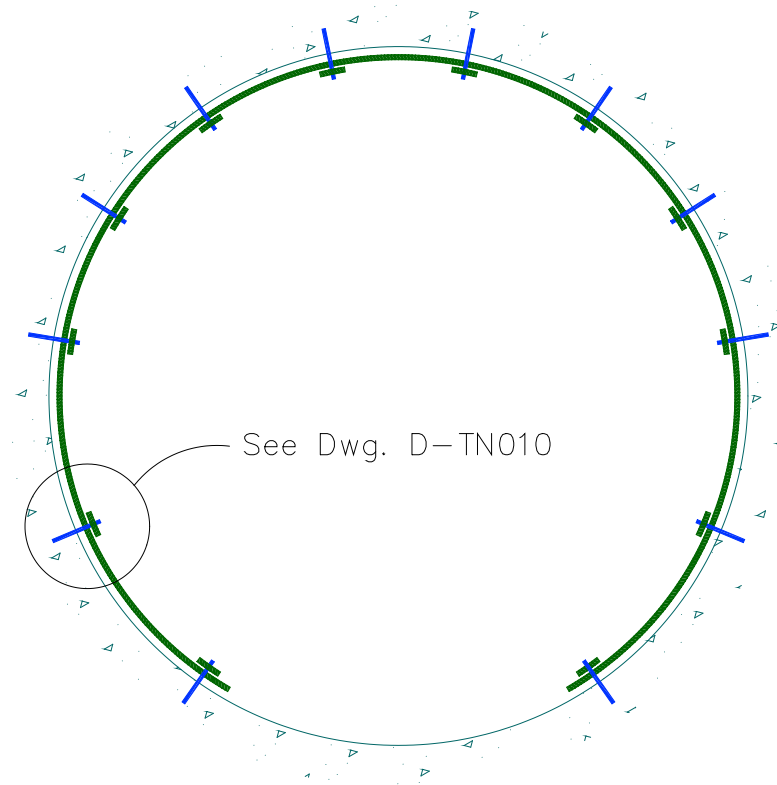
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## Typical Tunnel Lining System

Not to scale



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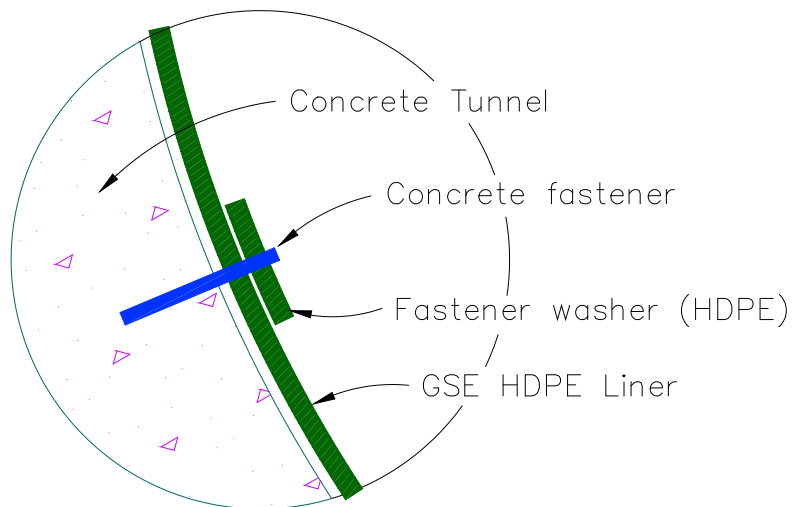
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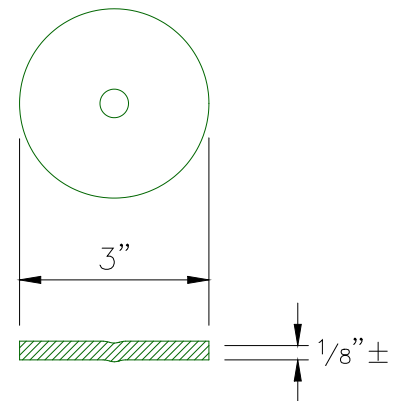
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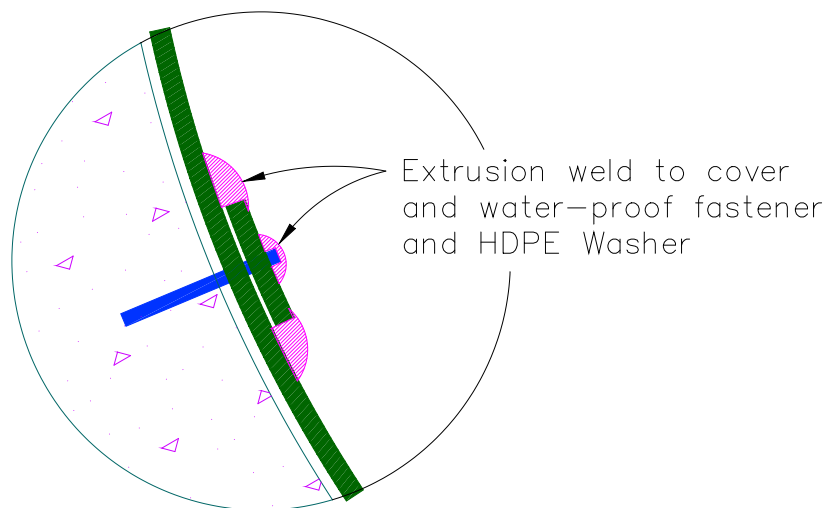
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Step #1



Typical HDPE Washer



Step #2



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