



## Water Network Maintenance and Replacement of Damaged Parts Project in 2 Neighborhoods (Al-Jahmaliyah Street,, and Hawd Al-Ashraf Street)

Annex (A) : Drawings

ملحق (أ)










الرسومات والمخططات

لمشروع صيانة شبكة المياه واستبدال للأجزاء المتضررة في شارع الجمالية  
وشارع حوض الاشراف(شعب الدباء)  
مديرية صحة محافظة تعز



**KEYPLAN**

**LEGENDS:**

-  DN 300 gate valve
-  DN 150 gate valve
-  DN 100 gate valve
-  DN 80 gate valve
-  DN 80 Existing line (HDPE pipes )
-  DN 100 Existing line (Ductile )
-  DN 150 Existing line (Ductile )
-  DN 300 Existing line (Ductile )
-  Manhole



**Project Strengthening Institutional and Economic Resilience in YEMEN (SIERY)**

**Project Title**

Water Network Maintenance and Replacement of Damaged Parts  
Project in 2 Neighborhoods (Al-Jahmaliyah Street., and Hawd Al-Ashraf Street)

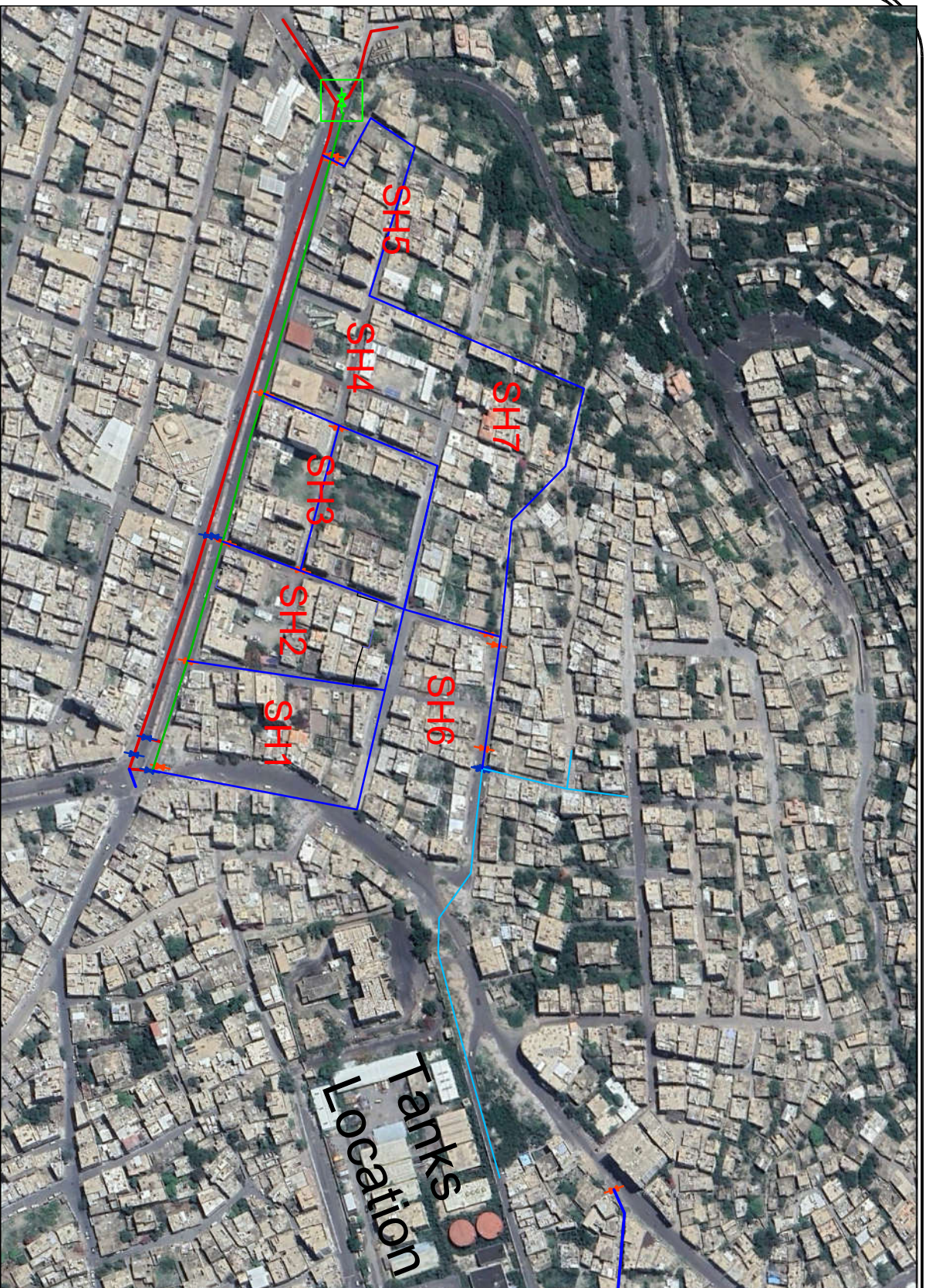
**Project Location**

Sala District - Taiz Governorate

**Drawing Title**










GENERAL PLAN (P1)

DRAWING NO.: A1



**KEYPLAN**

**LEGENDS:**

-  DN 300 gate valve
-  DN 150 gate valve
-  DN 100 gate valve
-  DN 80 gate valve
-  DN 80 Existing line (HDPE pipes)
-  DN 100 Existing line (Ductile )
-  DN 150 Existing line (Ductile )
-  DN 300 Existing line (Ductile )
-  Manhole



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**Project Title**

Water Network Maintenance and Replacement of Damaged Parts Project in 2 Neighborhoods (Al-Jahmaliyah Street., and Hawd Al-Ashraf Street)

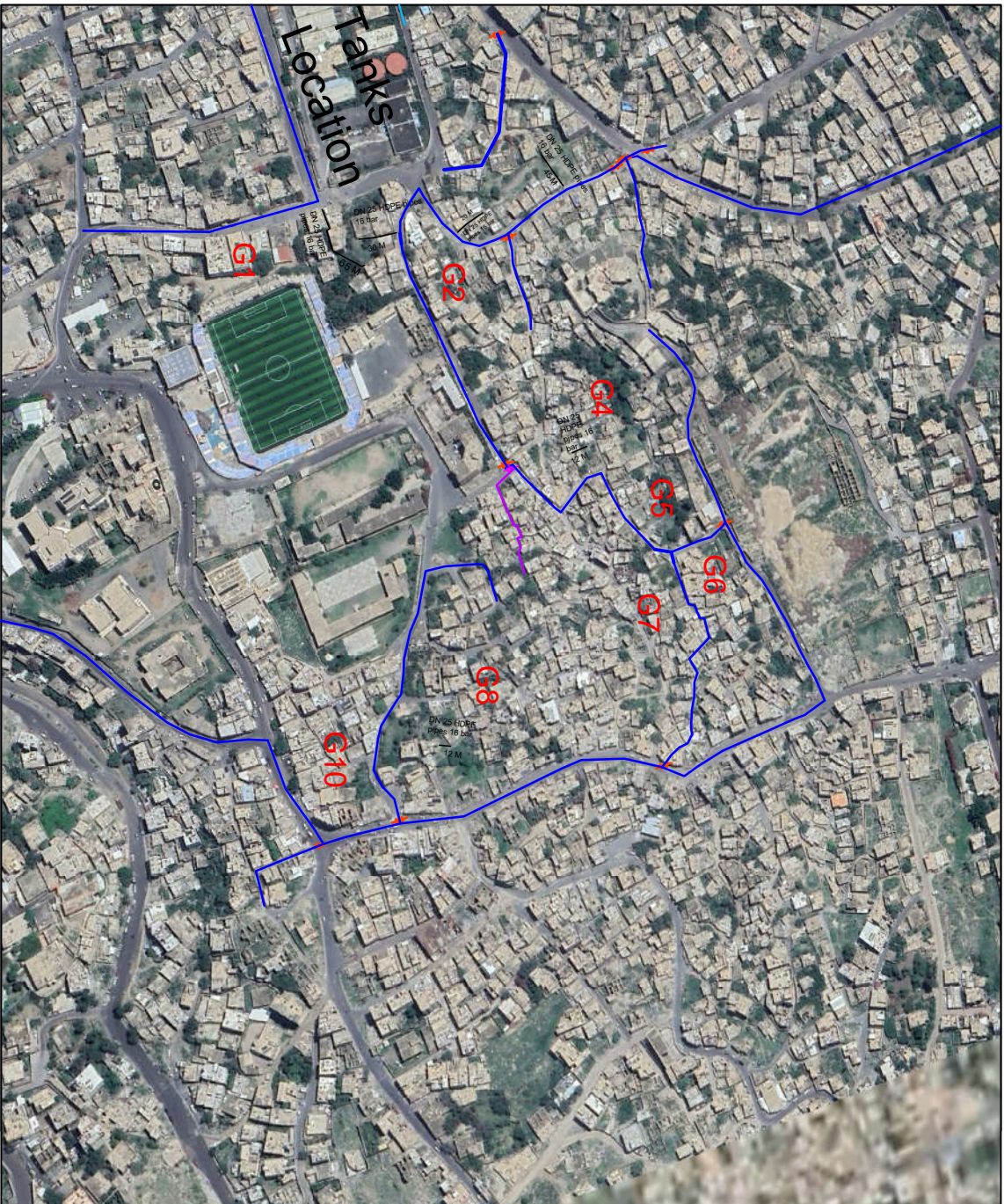
**Project Location**

Sala District - Taiz Governorate

**Drawing Title**










GENERAL PLAN (P2)

DRAWING NO.: A2



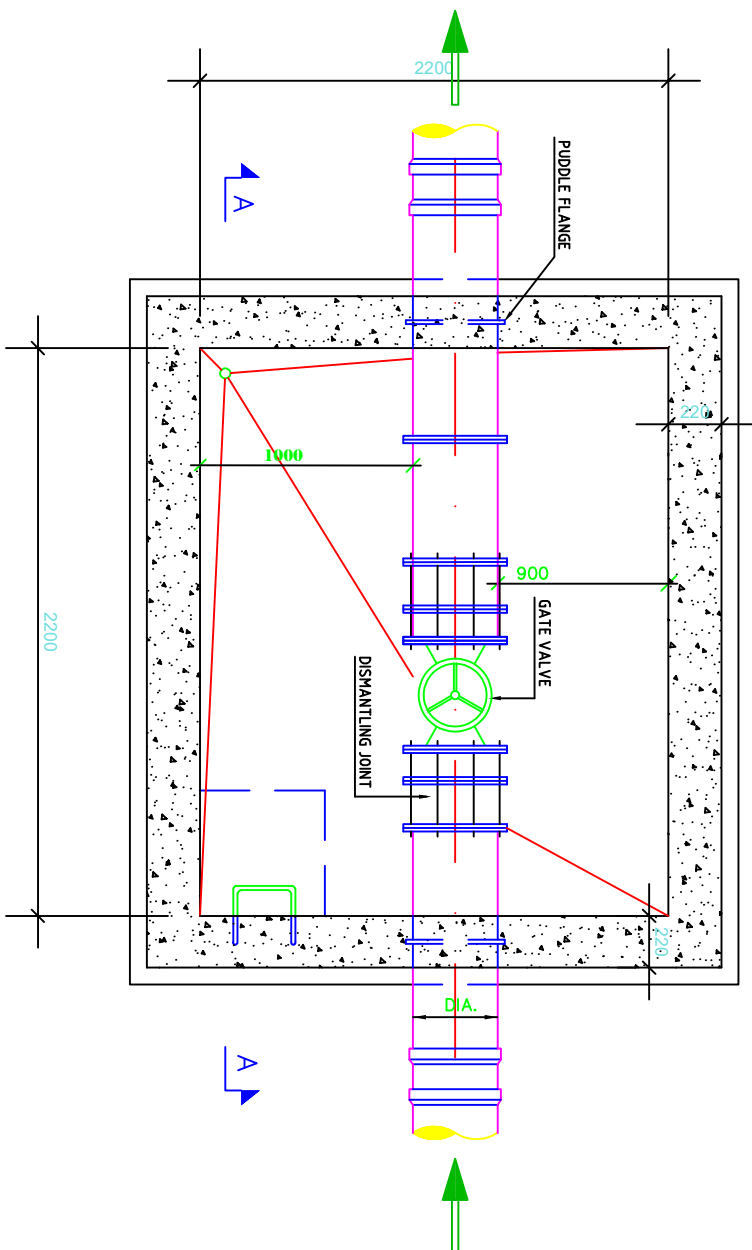
KEYPLAN

LEGENDS:

-  DN 300 gate valve
-  DN 150 gate valve
-  DN 100 gate valve
-  DN 80 gate valve
-  DN 80 Existing line (HDPE pipes)
-  DN 100 Existing line (Ductile)
-  DN 150 Existing line (Ductile)
-  DN 300 Existing line (Ductile)
-  Manhole



Project Strengthening Institutional and Economic Resilience in YEMEN (SIERY)	
Project Title	Water Network Maintenance and Replacement of Damaged Parts Project in 2 Neighborhoods (Al-Jahmaliyah Street., and Hawd Al-Ashtaf Street)
Project Location	Sala District - Taiz Governorate
Drawing Title	GENERAL PLAN (P3)
	DRAWING NO.: A3



PLAN



Project Strengthening Institutional and Economic Resilience in YEMEN (SIERY)

Project Title

Water Network Maintenance and Replacement of Damaged Parts  
Project in 2 Neighborhoods (Al-Jahmallyah Street., and Hawd Al-Ashraf Street)

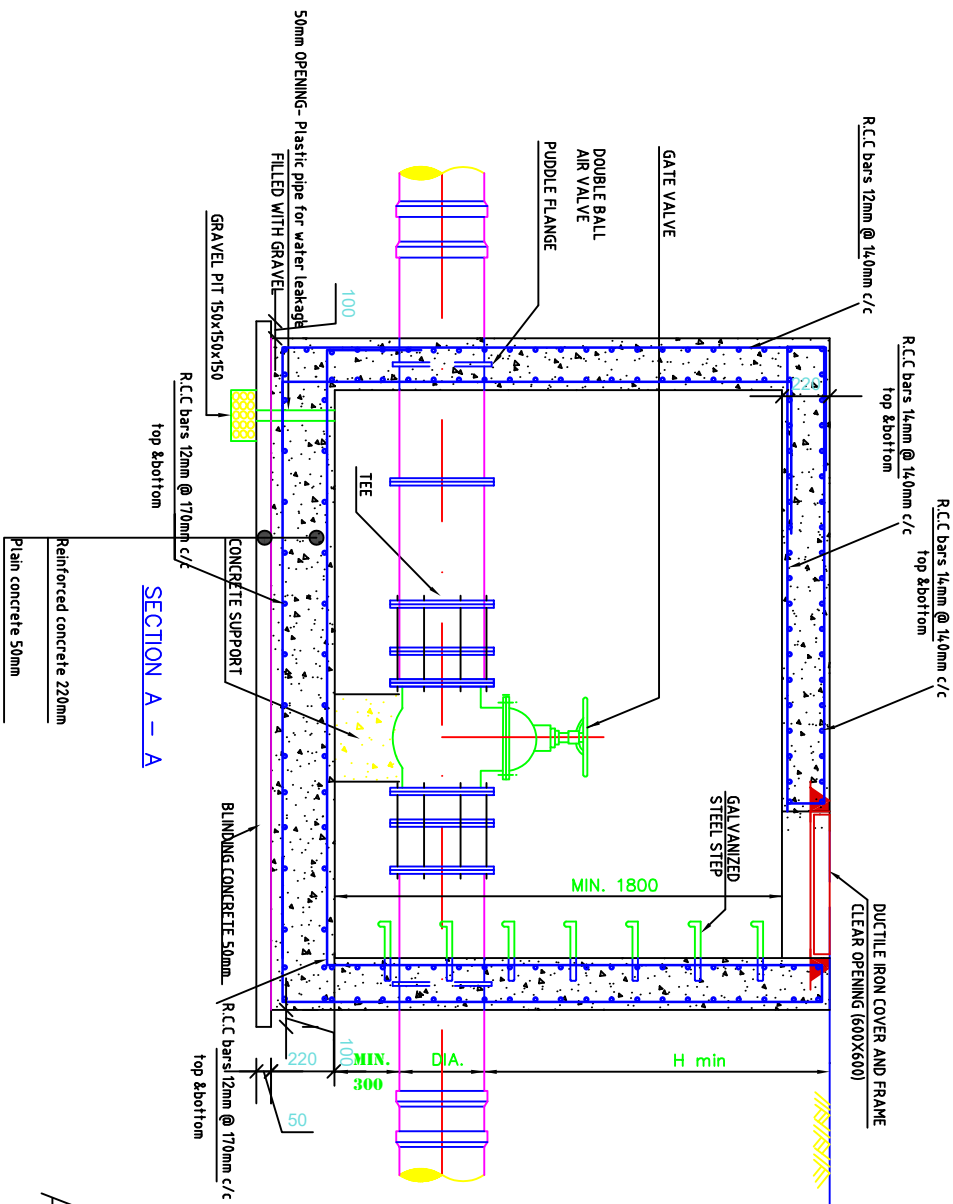
Project Location

Sala District - Taiz Governorate

Drawing Title

Manhole details

DRAWING NO. A4



ALL DIMENSIONS IN MILLIMETERS

Project Strengthening Institutional and Economic Resilience in YEMEN (SIERY)

Project Title	Water Network Maintenance and Replacement of Damaged Parts Project in 2 Neighborhoods (Al-Jahmaliyah Street., and Hawd Al-Ashtaf Street)	
Project Location	Sala District - Taiz Governorate	
Drawing Title	Manhole details	DRAWING NO:A5

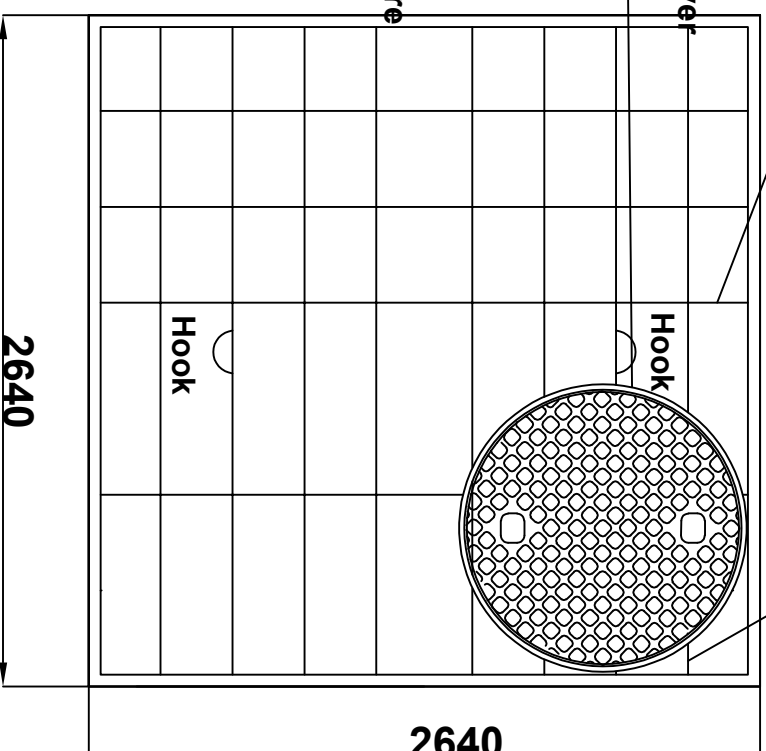


R.C.C bars 14mm @ 140mm c/c  
top & bottom

R.C.C bars 14mm @ 140mm c/c  
top & bottom

Valve Chambers cover  
DI- D 400-BS EN 124  
Class

Tolerates high pressure

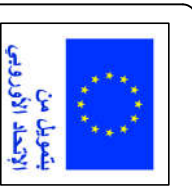
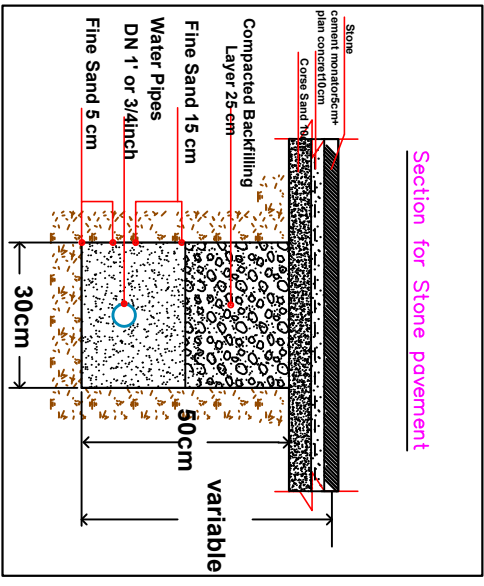
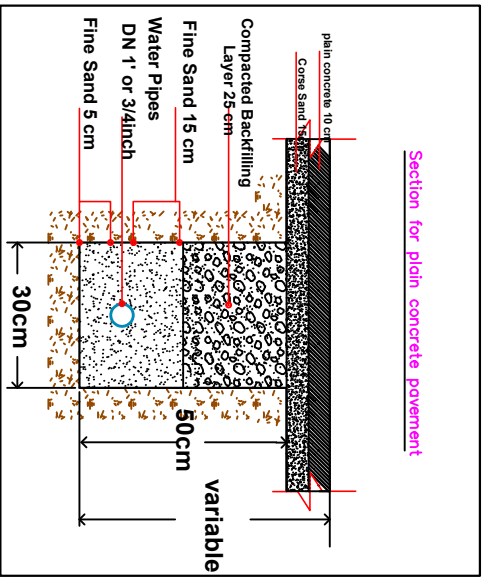
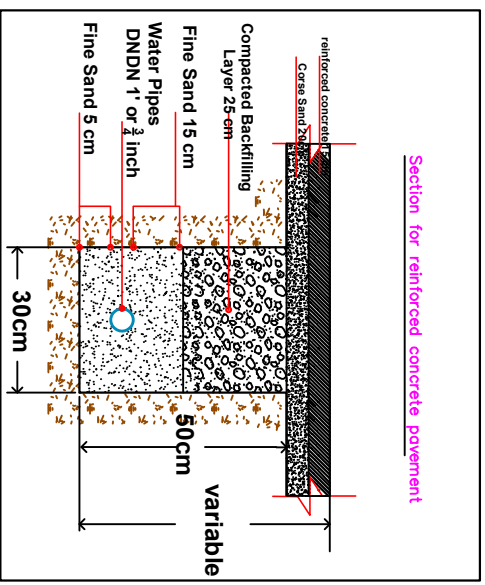


ALL DIMENSIONS IN MILLIMETERS

## R. C. C. FOR VALVE CHAMBER ROOF

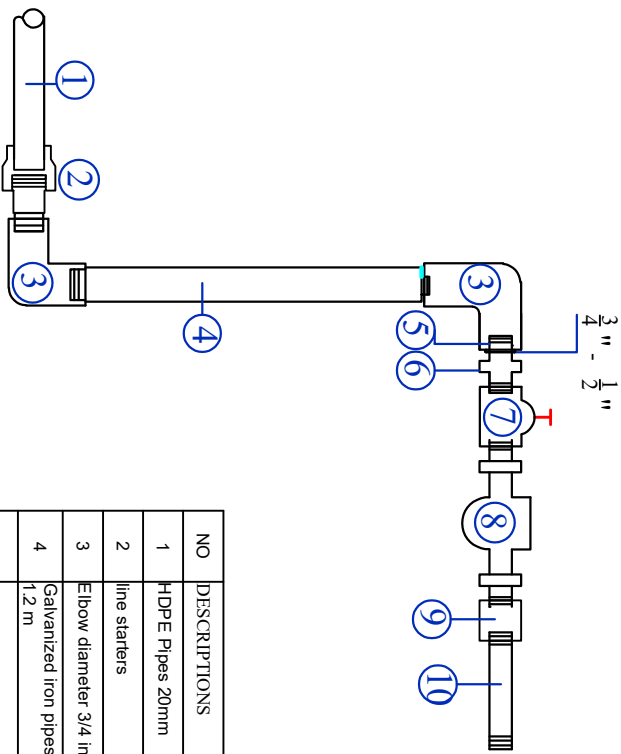


Project Strengthening Institutional and Economic Resilience in YEMEN (SIERY)	
Project Title	Water Network Maintenance and Replacement of Damaged Parts Project in 2 Neighborhoods (Al-Jahmallyah Street., and Hawd Al-Ashraf Street)
Project Location	Sala District - Taiz Governorate
Drawing Title	Manhole details
DRAWING NO.:A6	

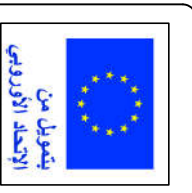


<b>Project Strengthening Institutional and Economic Resilience in YEMEN (SIERY)</b>	
<b>Project Title</b>	Water Network Maintenance and Replacement of Damaged Parts Project in 2 Neighborhoods (Al-Jahmaliyah Street., and Hawd Al-Ashtaf Street)
<b>Project Location</b>	Sala District - Taiz Governorate
<b>Drawing Title</b>	<b>EXCAVATION Section</b>
	<b>DRAWING NO. A7</b>



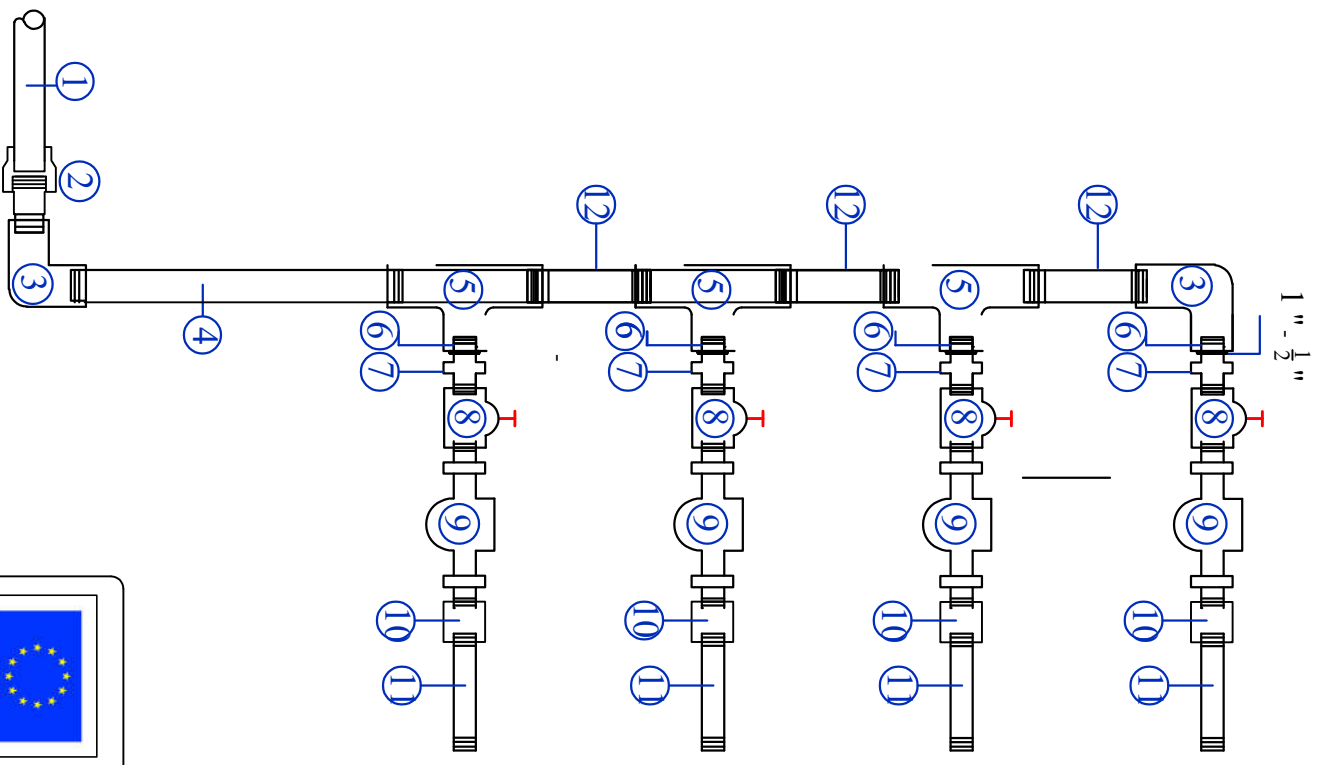


NO	DESCRIPTIONS
1	HDPE Pipes 20mm
2	line starters
3	Elbow diameter 3/4 inch (20 mm), pressure 25 bar, excellent quality
4	Galvanized iron pipes with a diameter of 3/4 inch (20 mm) and a length of no less than 1.2 m
5	(G.I Fxm Reducer Bush (3/4"×0.5" ) . PN 25 bar. Excellent quality
6	galvanized iron hex nipple 1/2 inch
7	Brass ball Valve 1/2" , Excellent Quality
8	Water Meter 0.5 "
9	Malleable cast iron socket 1/2 inch
10	G.I Pipe Nipple- 1/2" (15mm NB), BSP Threaded, 6" Long



**Project Strengthening Institutional and Economic Resilience in YEMEN (SIERY)**

<b>Project Title</b>	Water Network Maintenance and Replacement of Damaged Parts Project in 2 Neighborhoods (Al-Jahmallyyah Street,, and Hawd Al-Ashtraf Street)	
<b>Project Location</b>	Sala District - Taiz Governorate	
<b>Drawing Title</b>	PIPE RISER	<b>DRAWING NO. A8</b>



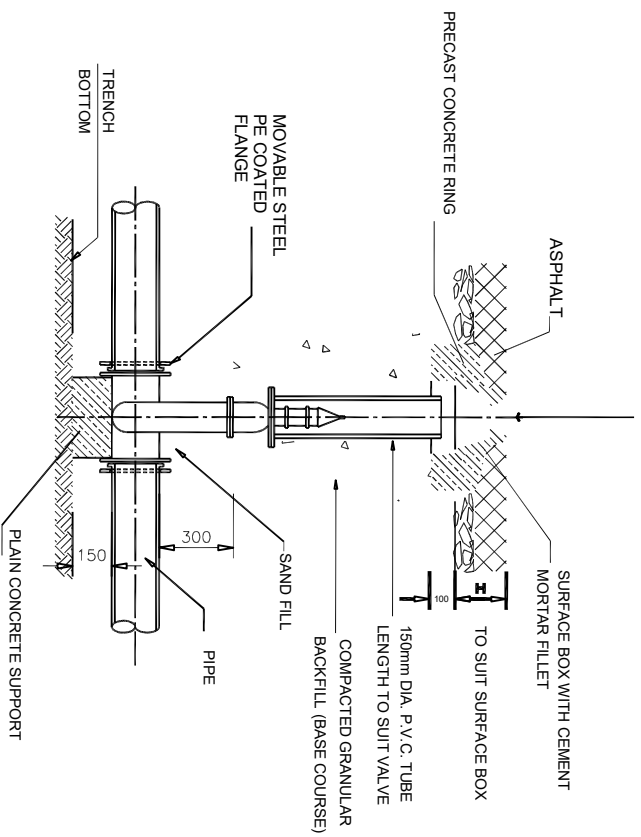
NO	DESCRIPTIONS
1	HDPE Pipes 25mm
2	line starters 1 inch
3	Elbow diameter 1 inch (25 mm), pressure 25 bar, excellent quality
4	Galvanized iron pipes with a diameter of 1 inch (25 mm) and a length of no less than 1.2 m
5	G.I Tee Threaded 1 inch (25 mm), pressure 25 bar, excellent quality
6	G.I Fxm Reducer Bush (1"x0.5" ) , PN 25 bar, Excellent quality
7	galvanized iron hex nipple ½ inch
8	Brass ball Valve 1/2", Excellent Quality
9	Water Meter 0.5 "
10	Malleable cast iron socket ½ inch
11	G.I Pipe Nipple- 1/2" (15mm NB), BSP Threaded, 6" Long
12	G.I Pipe Nipple- 1 " (25mm NB), BSP Threaded, 6" Long



**Project Strengthening Institutional and Economic Resilience in YEMEN (SIERY)**

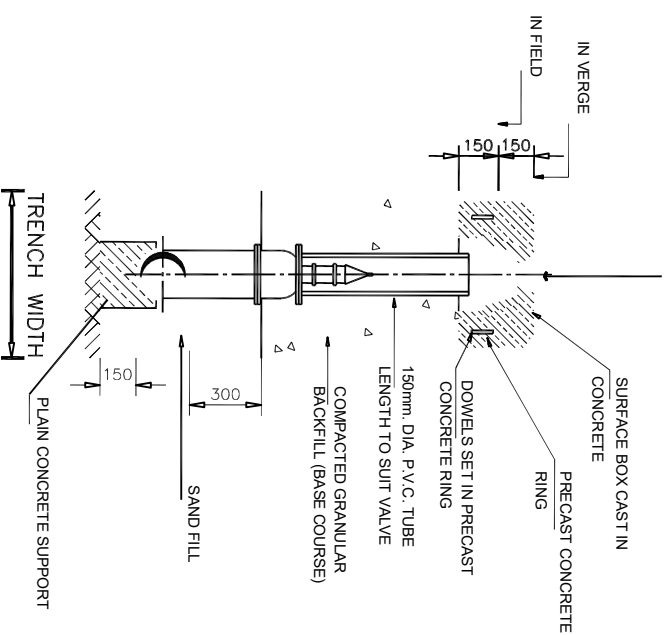
<b>Project Title</b>	Water Network Maintenance and Replacement of Damaged Parts Project in 2 Neighborhoods (Al-Jahmaliyah Street., and Hawd Al-Ashraf Street)
<b>Project Location</b>	Sala District - Taiz Governorate
<b>Drawing Title</b>	PIPE RISER
<b>DRAWING NO.</b>	A9

**SURFACE FINISHING DETAIL  
IN ASPHALTED AREAS**



**GATE VALVE FOR DN ≤ 160mm**

**SURFACE FINISHING DETAIL  
FOR IN FIELD OR VERGE AREAS**



<b>Project Strengthening Institutional and Economic Resilience in YEMEN (SIERY)</b>	
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<b>Project Location</b>	Sala District - Taiz Governorate
<b>Drawing Title</b>	surface box details
<b>DRAWING NO. A10</b>	