

Lebanese Republic



Ministry of Energy and Water
Directorate of Water & Electrical Resources



WADI JEZZINE Potable Water Network

WADI JEZZINE Potable Water Network

List of Drawings:

Dwg: 1/2

Plan view 1/2000

Longitudinal Profile: Vertical: 1/200
Horizontal: 1/2000

Manholes Details


















Dwg: 2/2

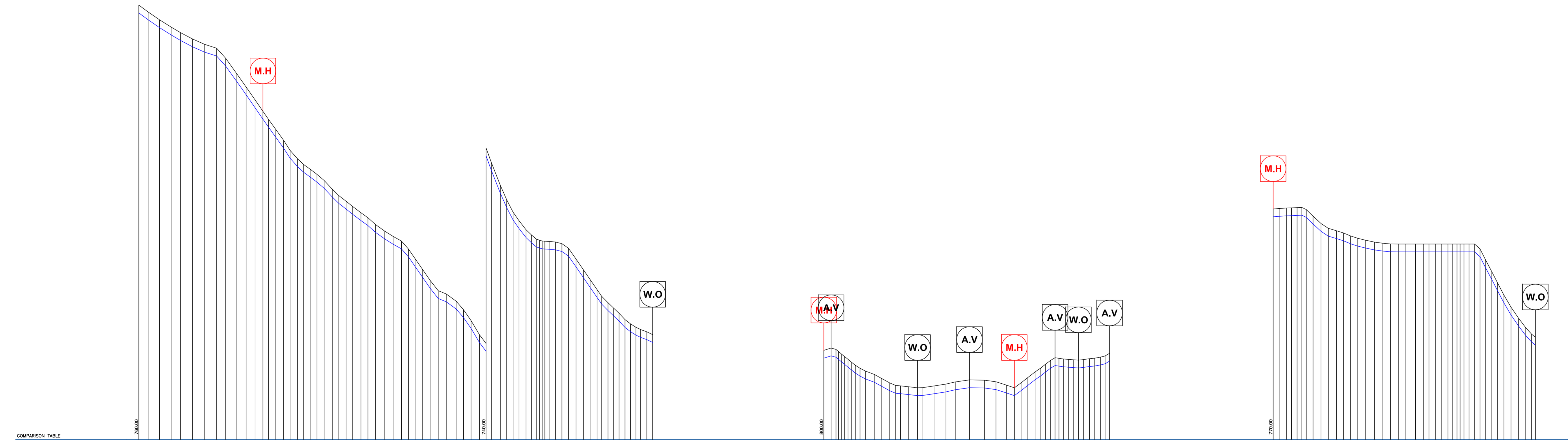
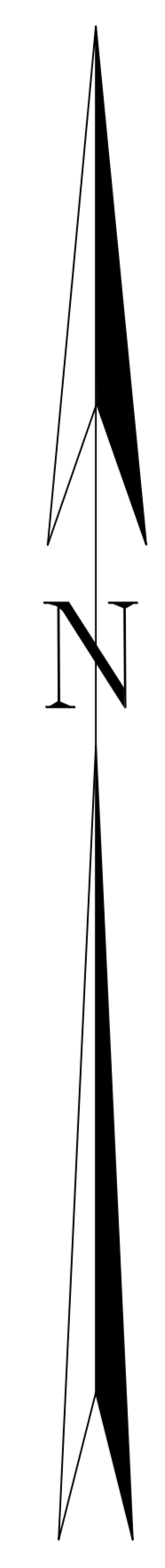
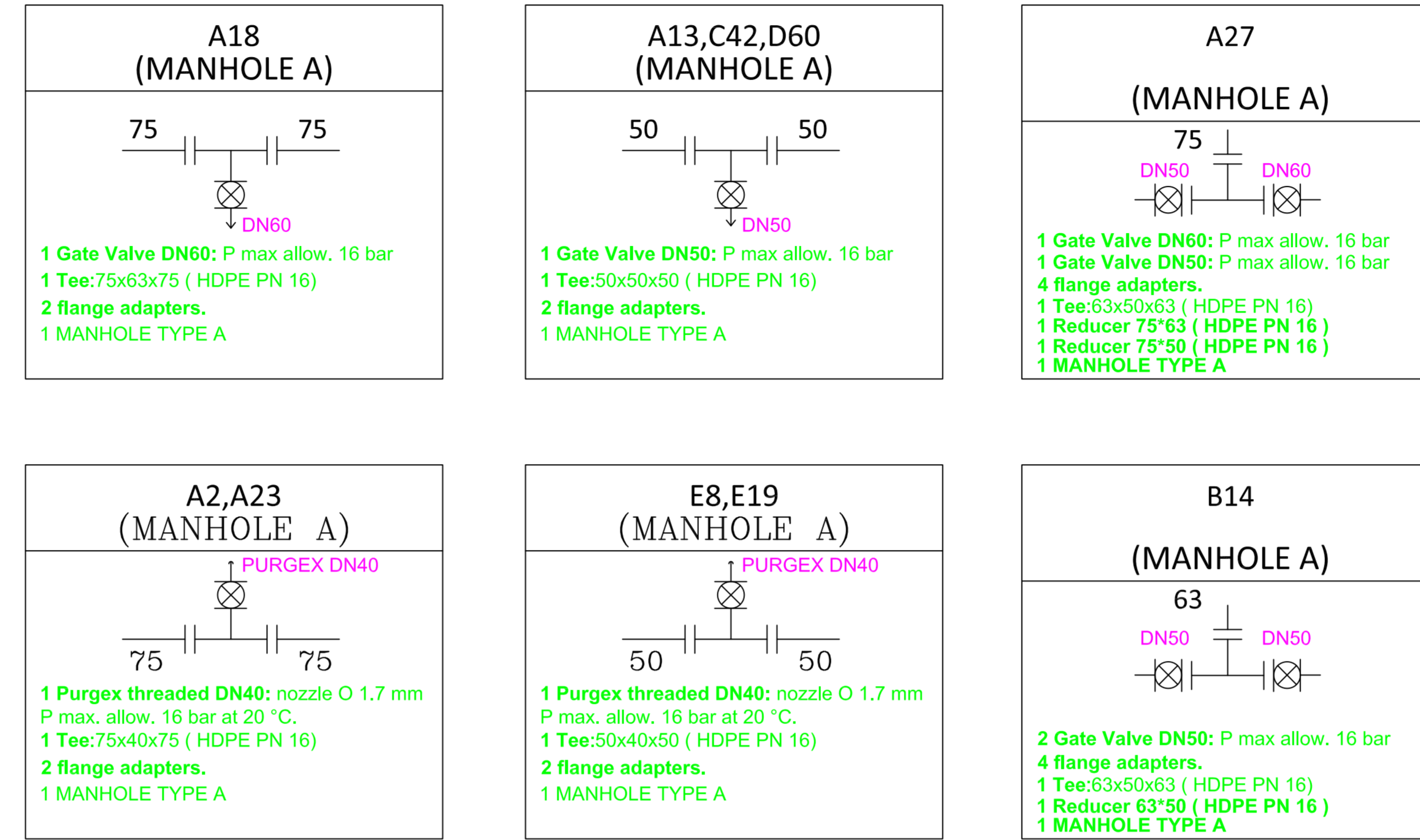
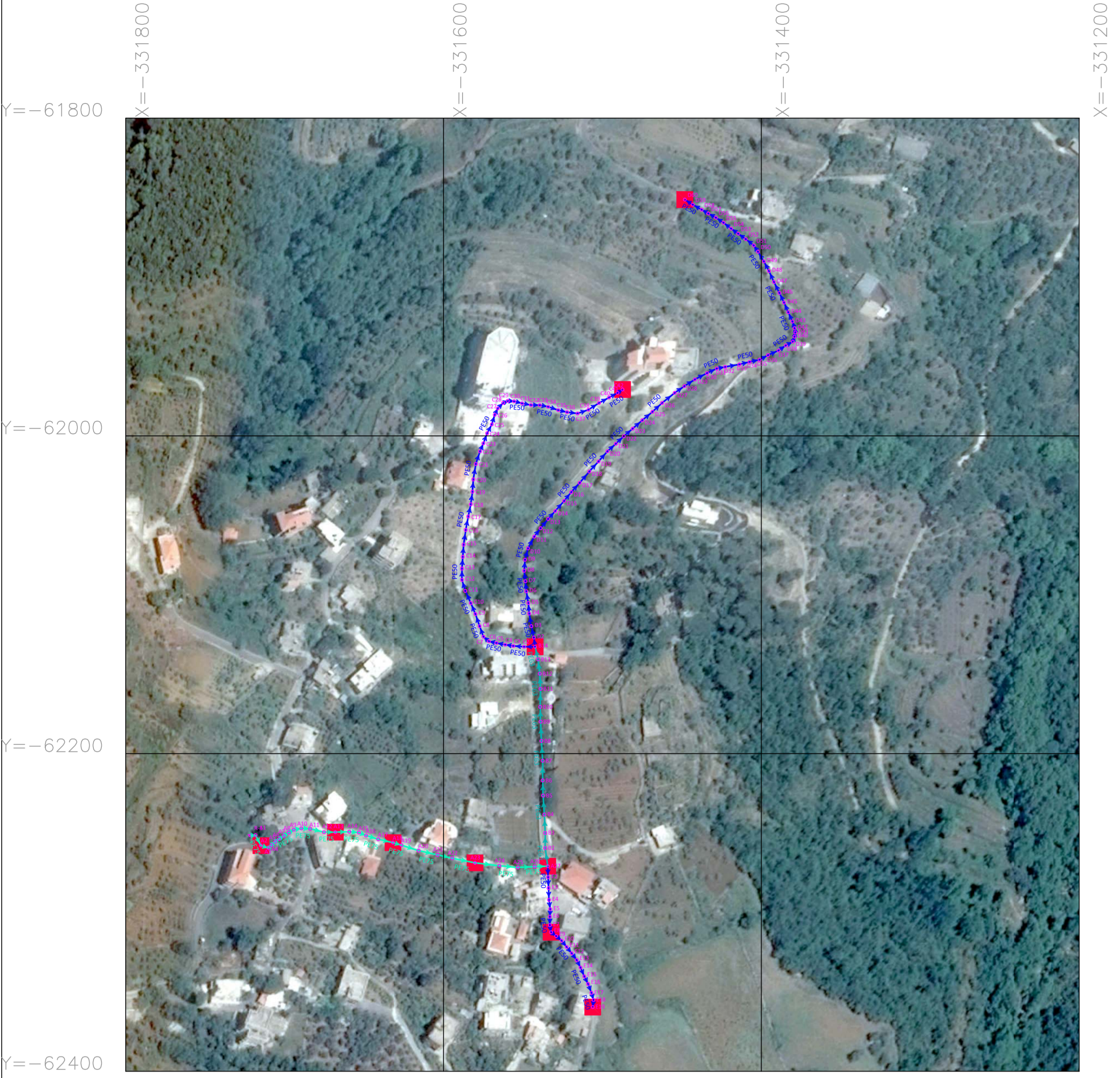
Standard Details

Plan , Sections & Details
(Valve Chambers , House connections Type , Concrete
Reinforcement , Trench Section Details)

WADI JEZZINE Potable Water Network

Legend

	PROPOSED NEW LINE		75mm HDPE pipe
	SEWER MANHOLE		63mm HDPE pipe
	WATER MANHOLE		50mm HDPE pipe
	ELECTRIC MANHOLE		
	GULLY		
	SPOT SURVEY		
	SURVEY STAKE		
	MANHOLE		
	ROAD		
	BLDG		
	STAIRS		
	CANAL		
	SUMP LINE		
	Service Box		
	Valve Chamber		



STATE - REFERENCE NUMBER	STATE - REFERENCE NUMBER	STATE - REFERENCE NUMBER
01	01	01
02	02	02
03	03	03
04	04	04
05	05	05
06	06	06
07	07	07
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LEGEND

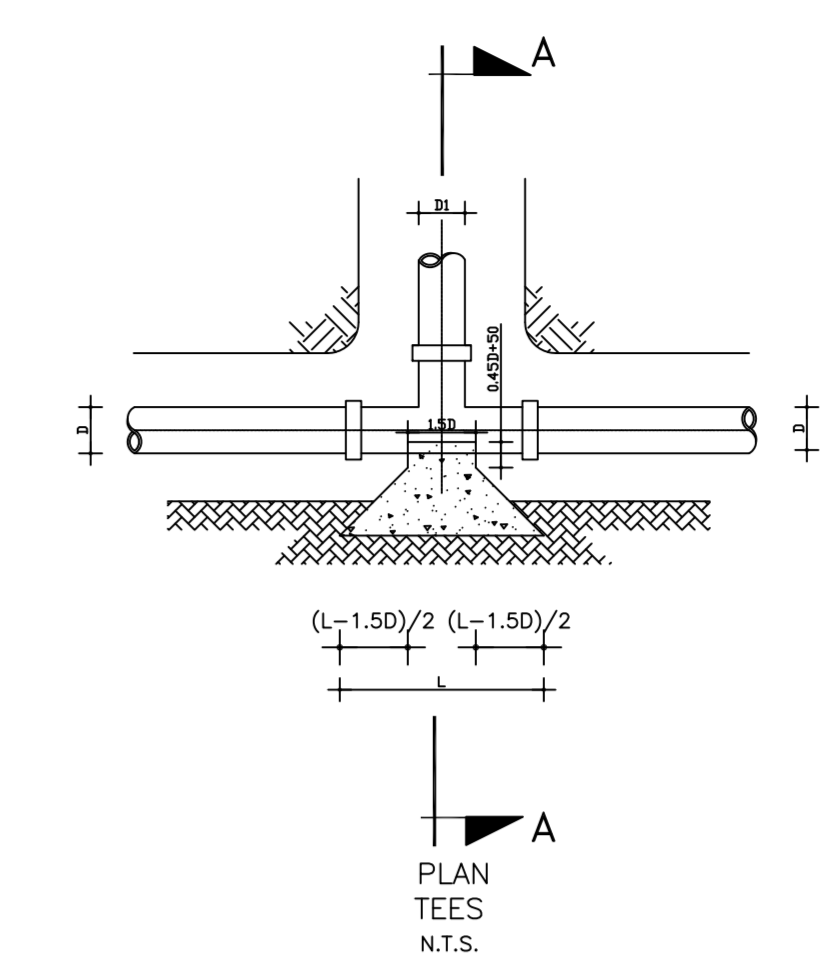
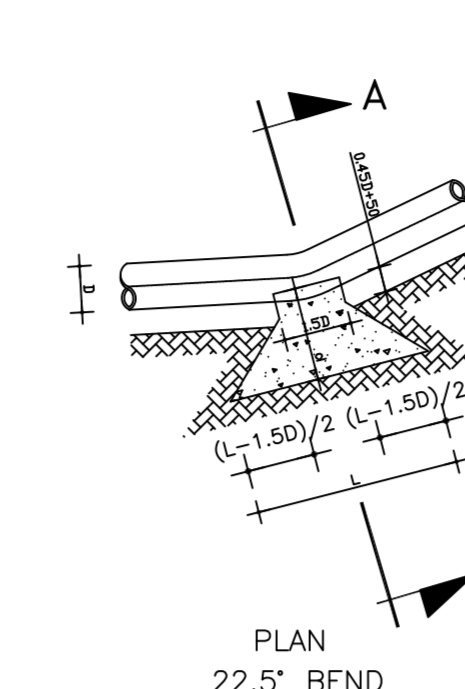
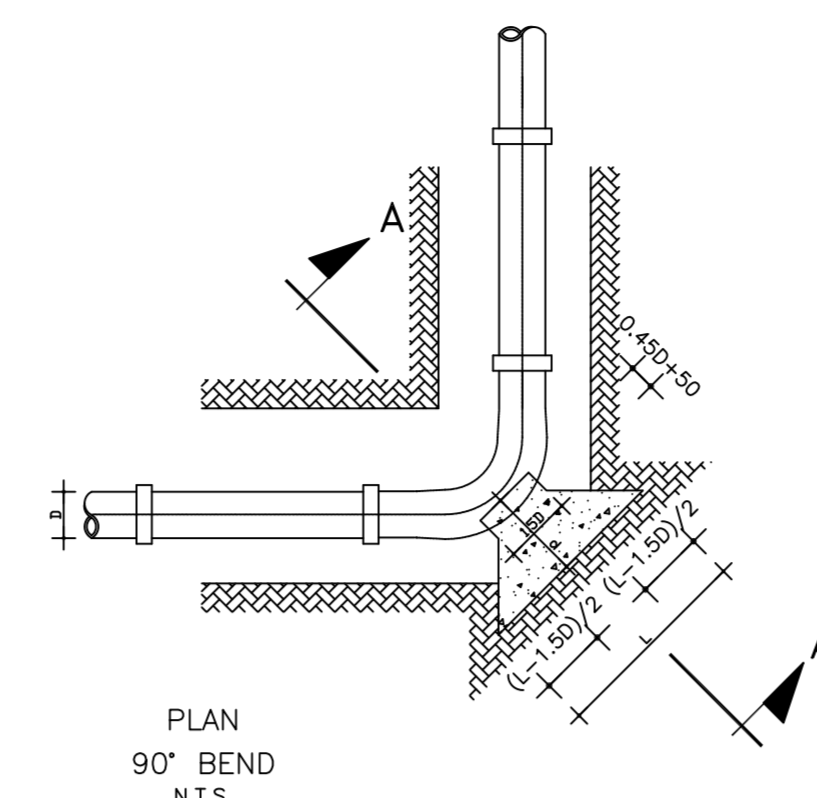
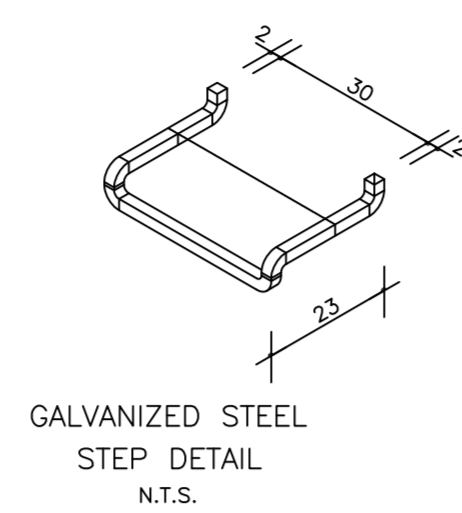
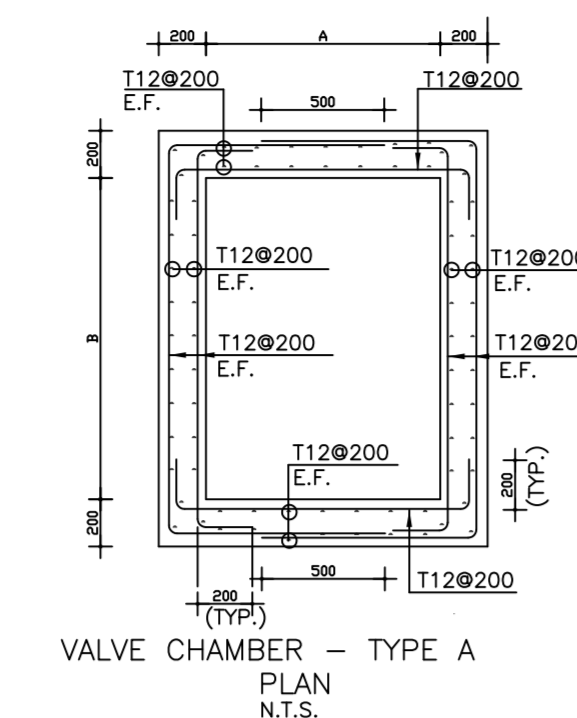
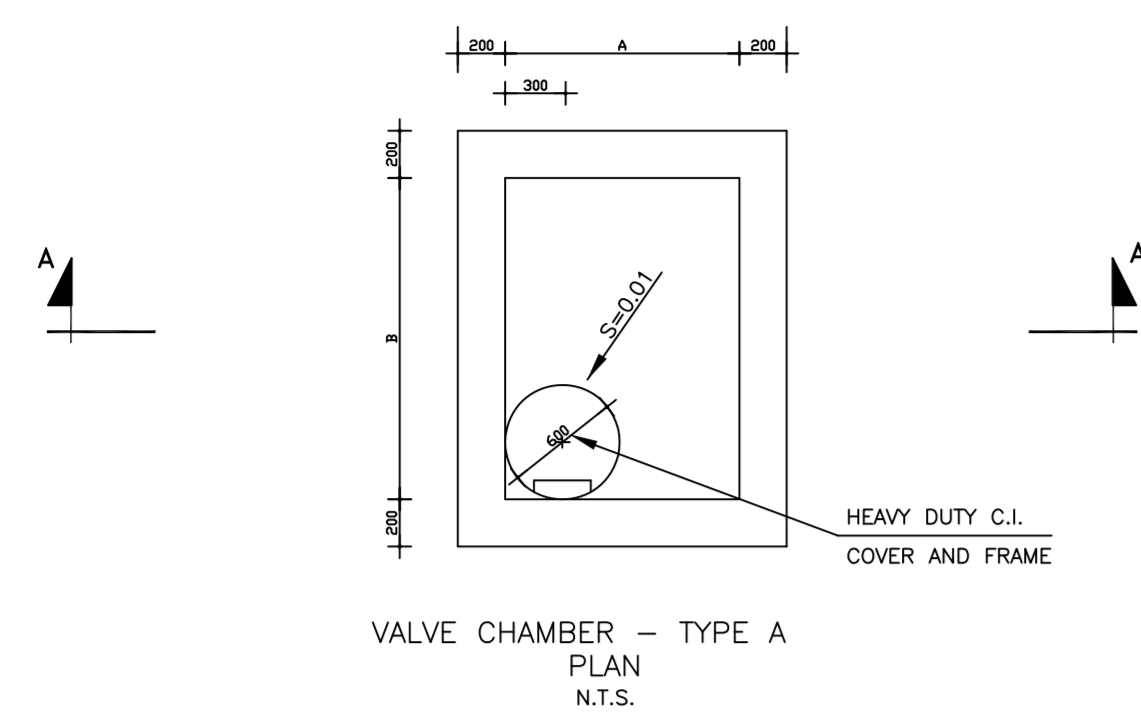
- 75mm HDPE pipe
- 63mm HDPE pipe
- 50mm HDPE pipe
- Service Box
- Valve Chamber

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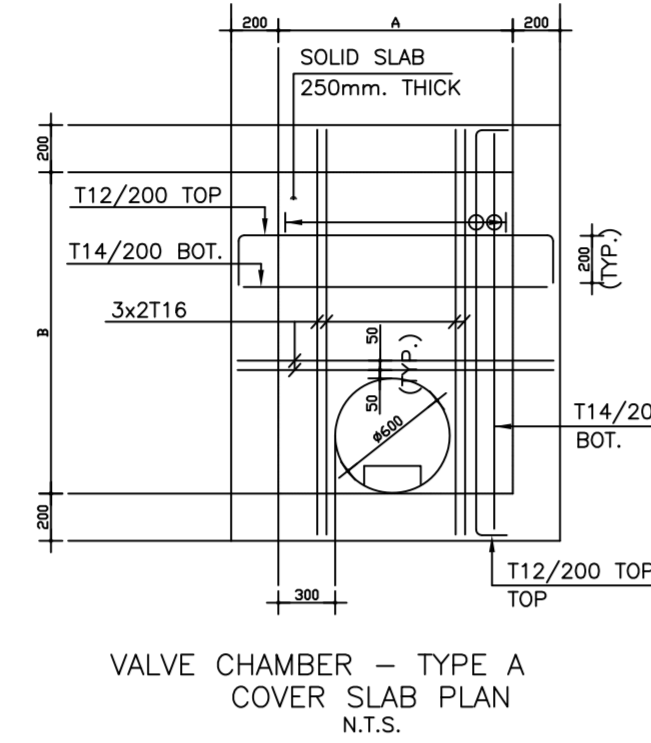
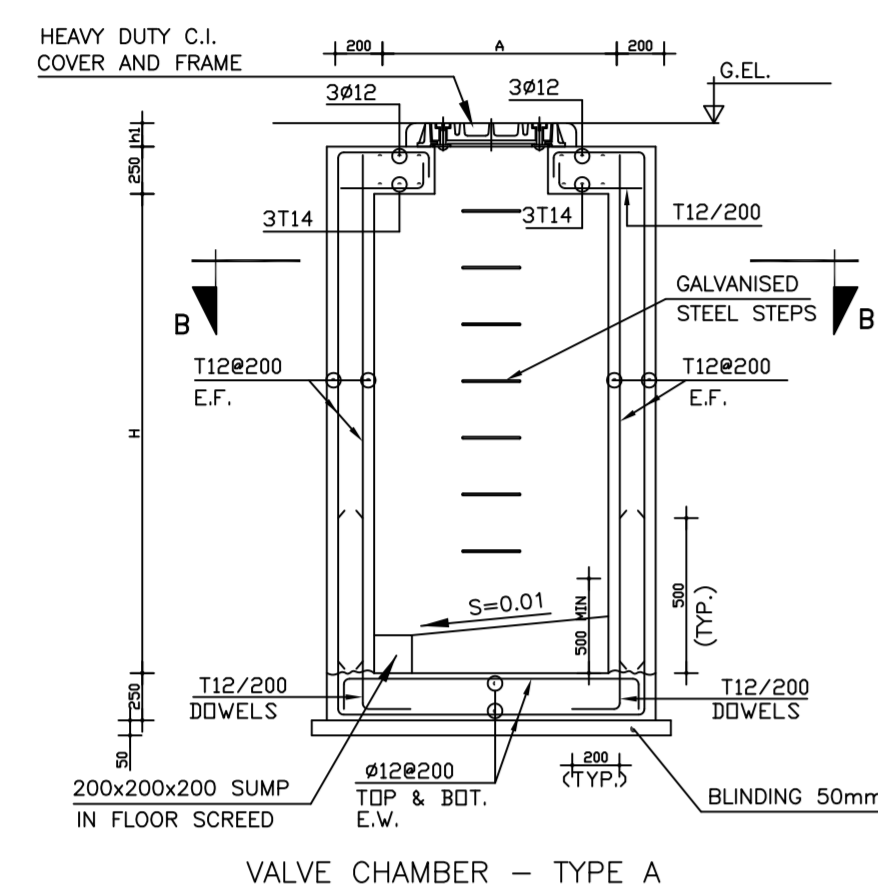
WADI JEZZINE WATER PROJECT

PROJECT: Construction of New Potable Water Network in WADI JEZZINE Village-Caza JEZZINE	DATE: February 2017
DWG TITLE: Plan view - (1/1) Longitudinal Sections - (1/1) Manholes Details - (1/1)	Designed by: N.Z. Drawn by: D.G. Approved by: N.C. Checked by: N.C.
SCALE: Plan : 1/2000 Longitudinal Profile Vertical : 1/200 Horizontal : 1/2000	REMARKS: DRAWING SIZE A0
DWG N°:	REVISION:
Dwg: 1/2	DATE:



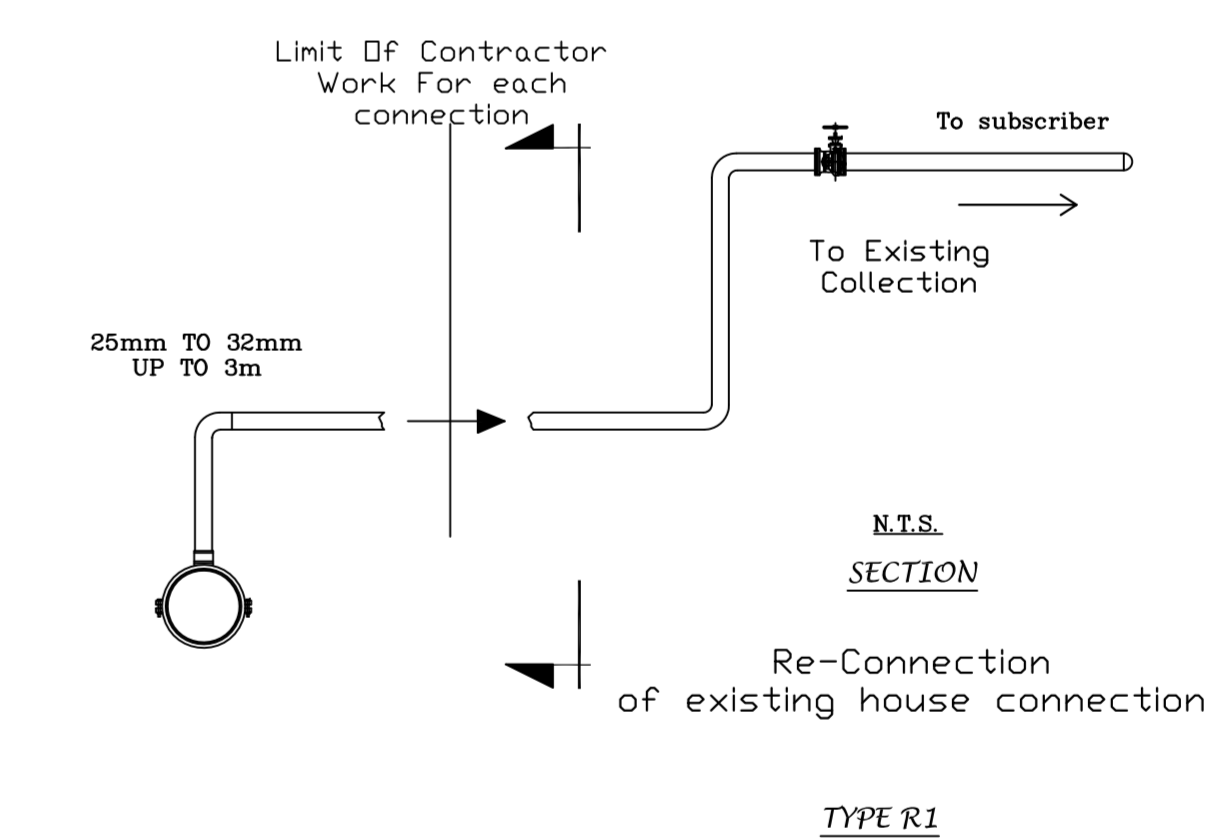
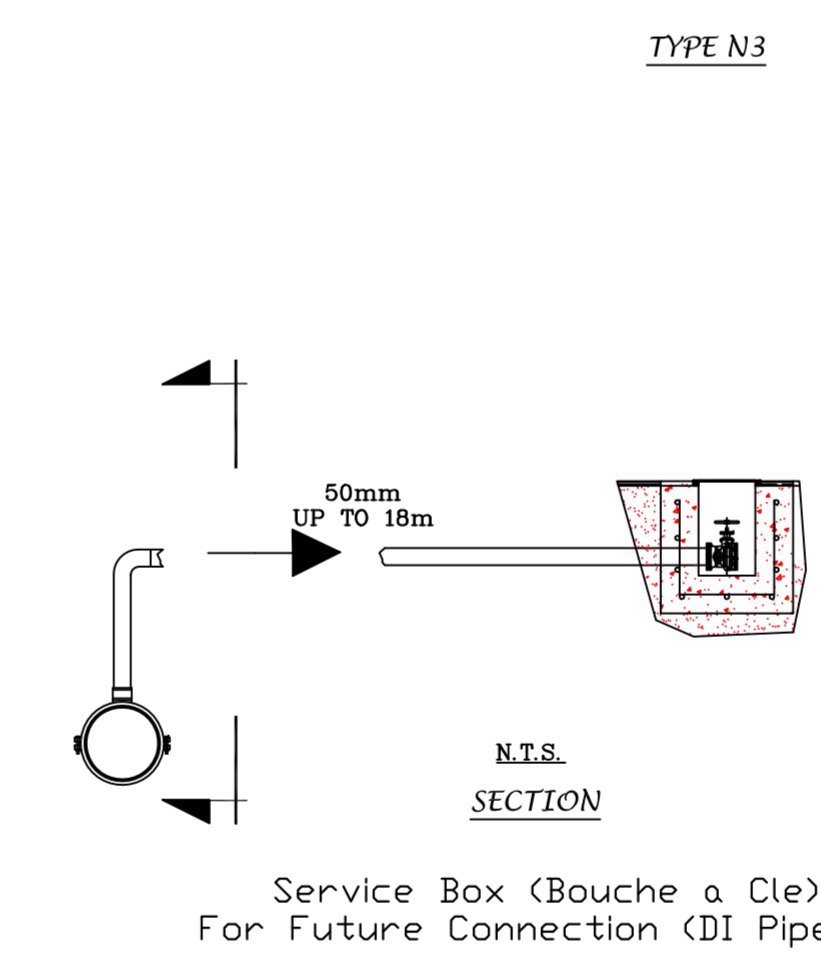
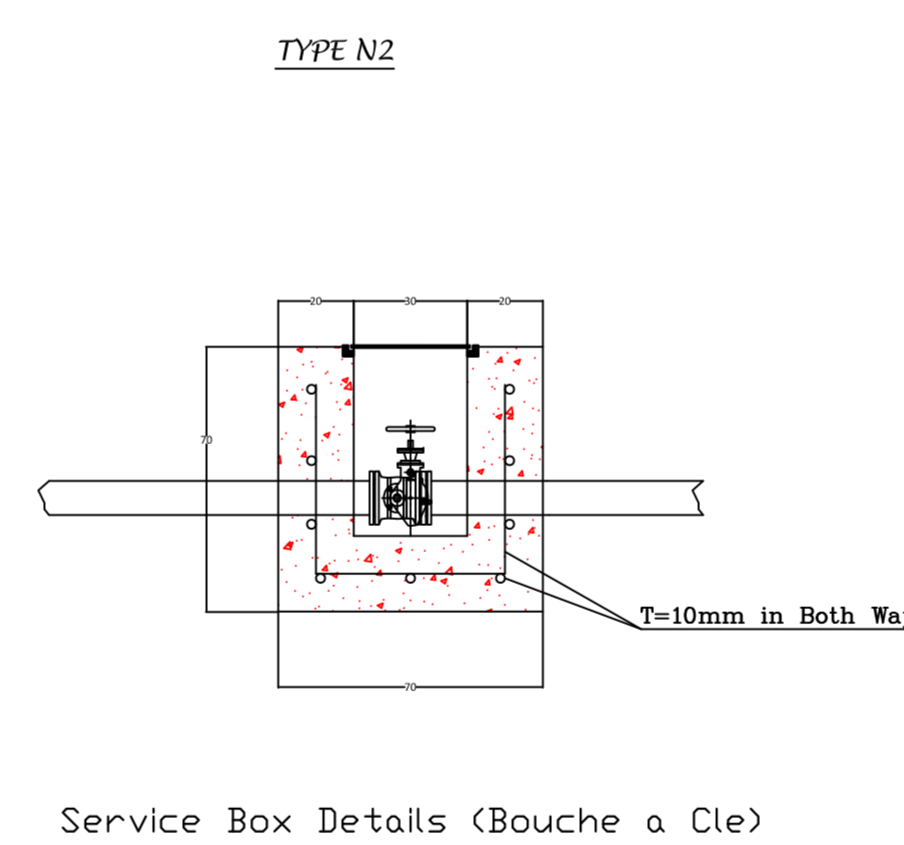
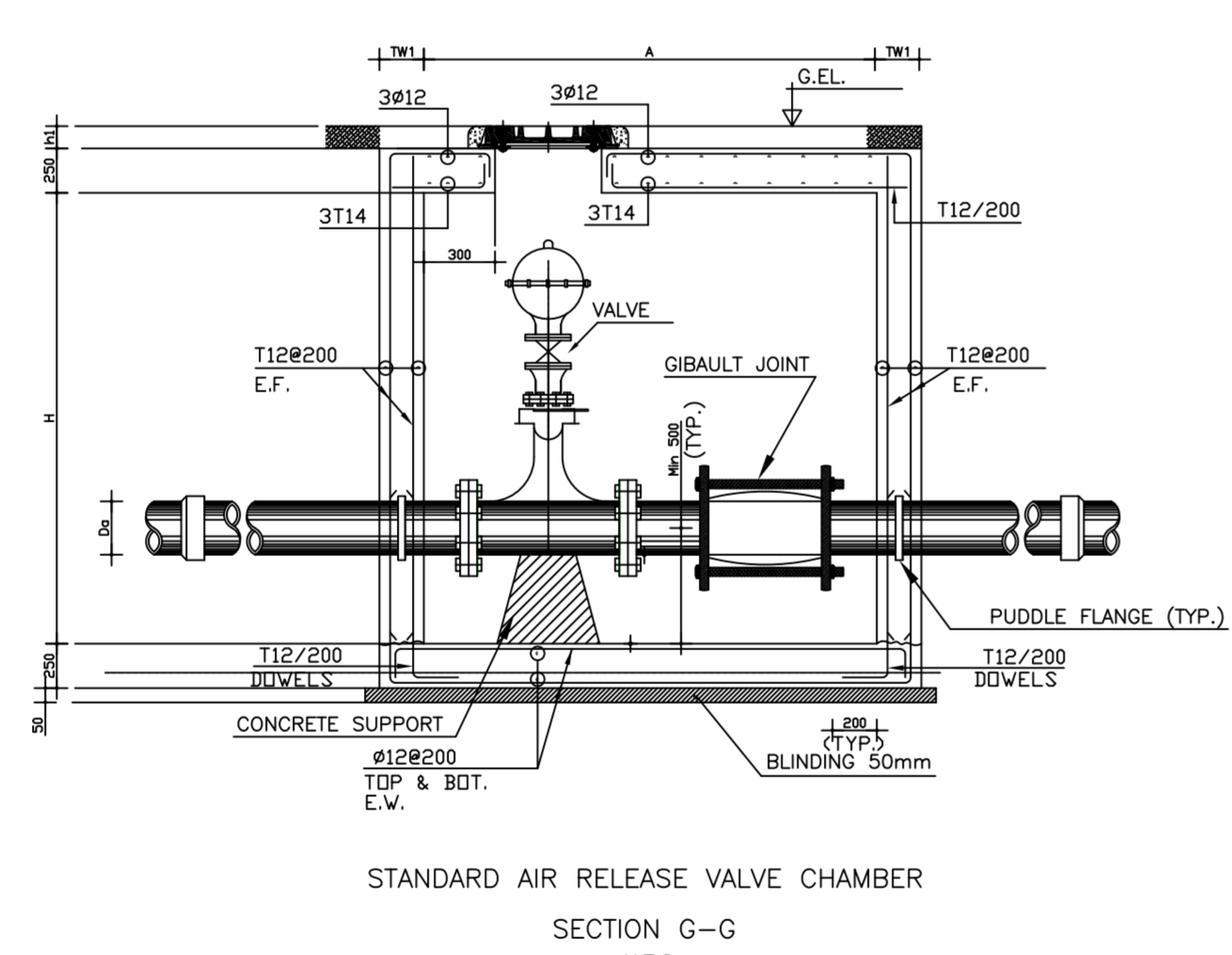
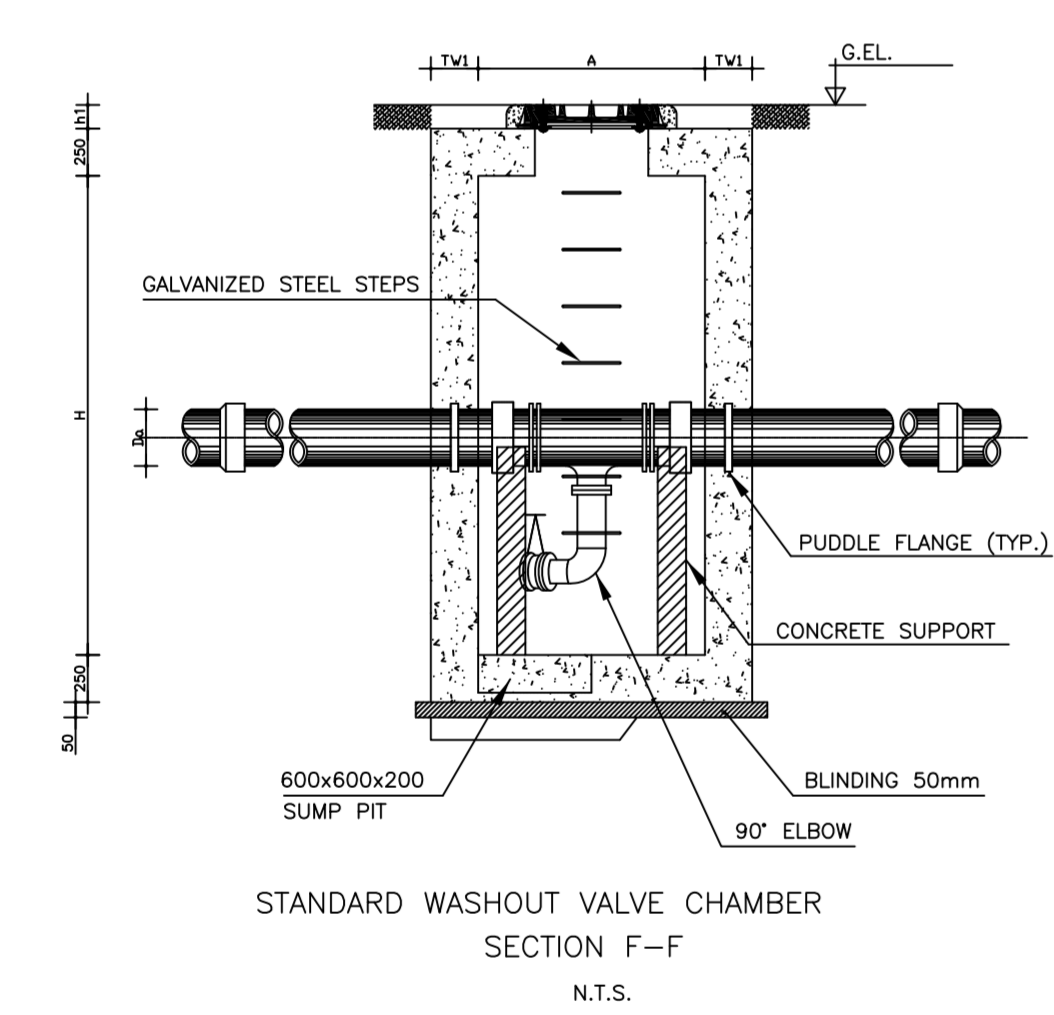
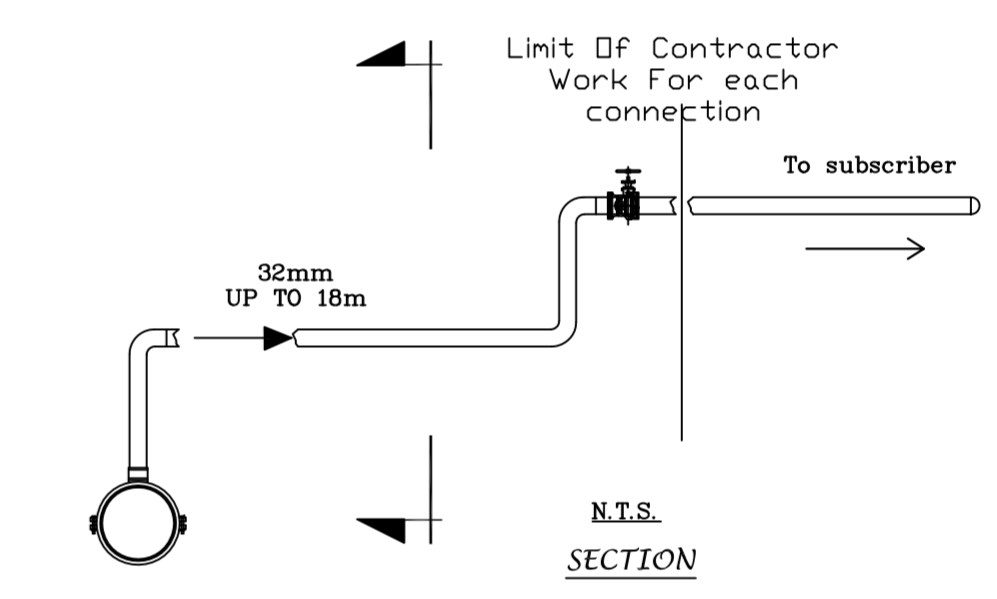
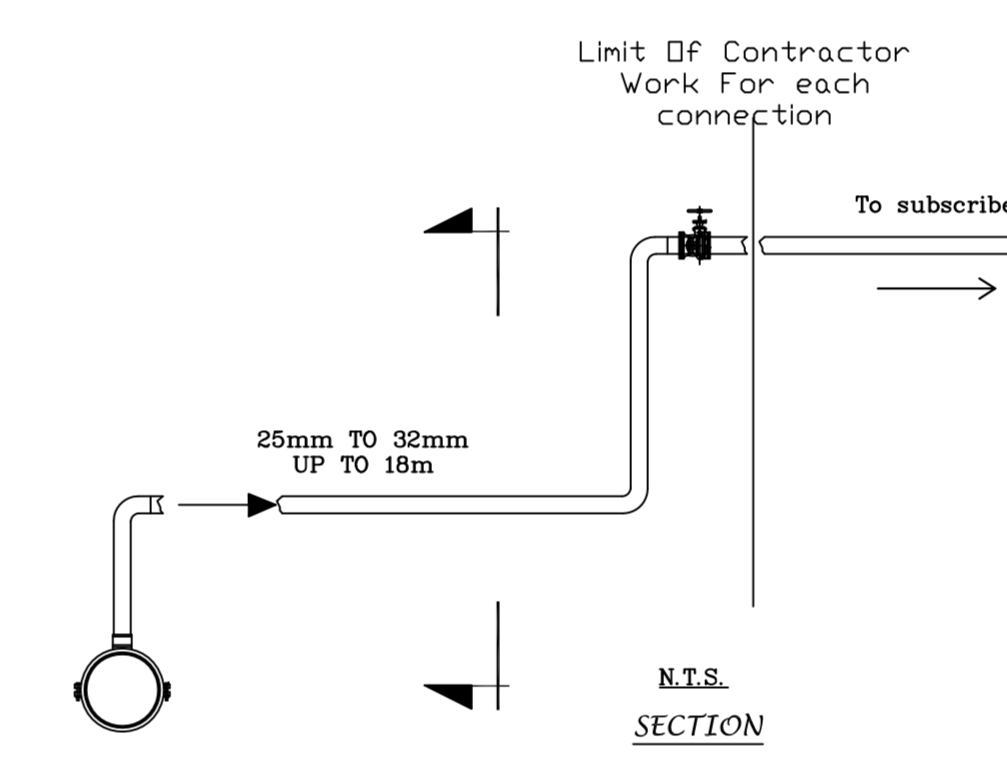
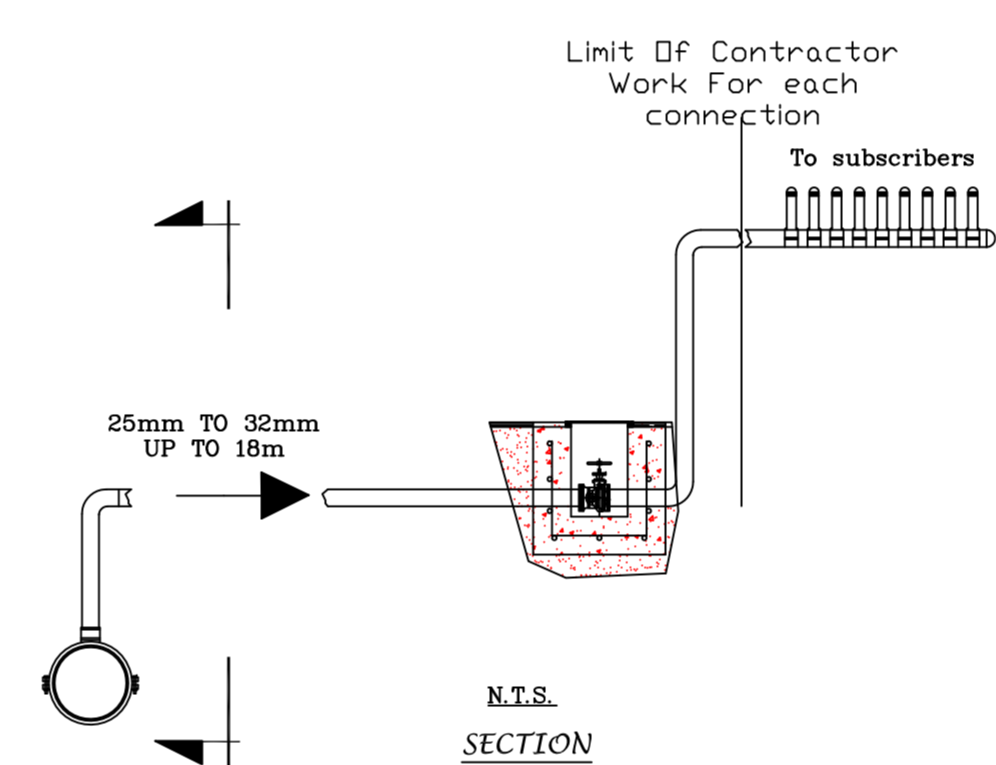
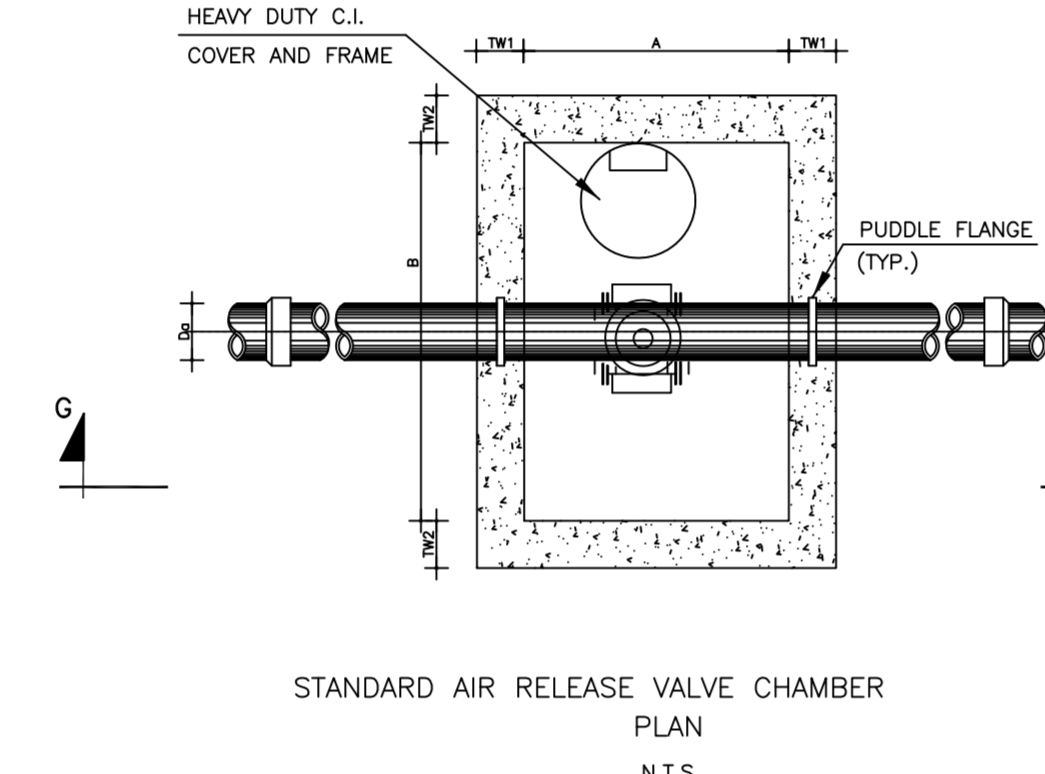
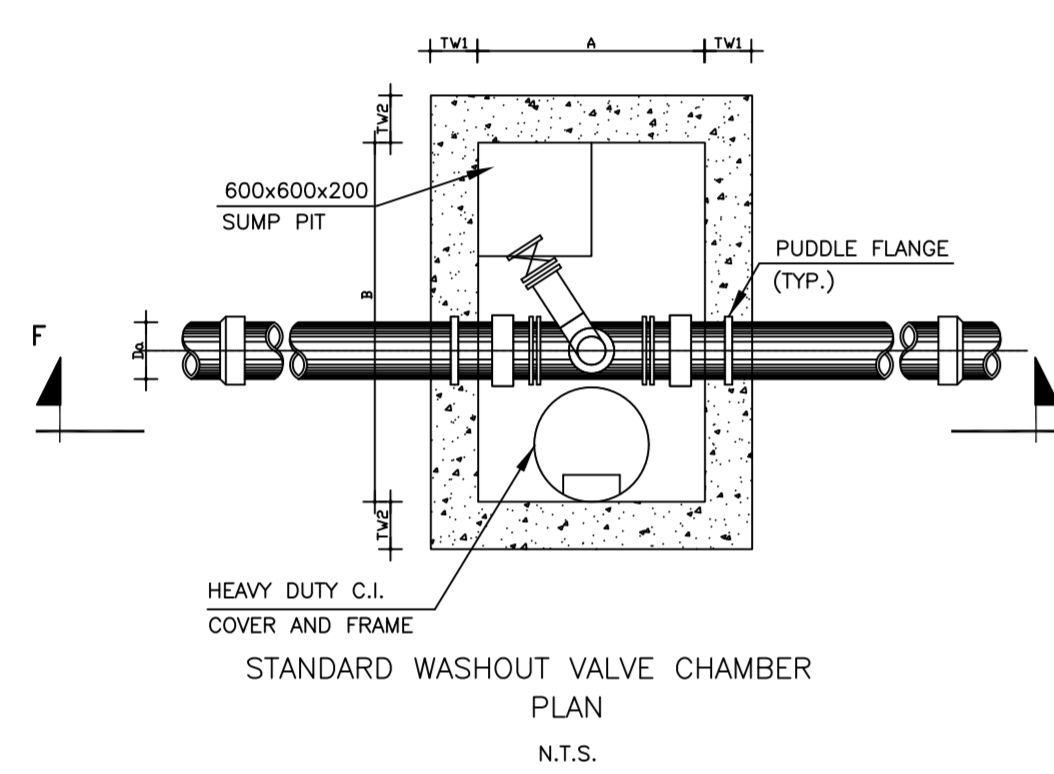
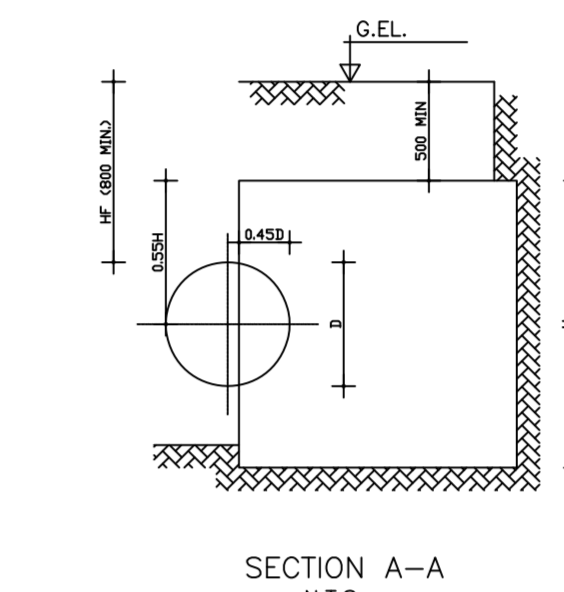
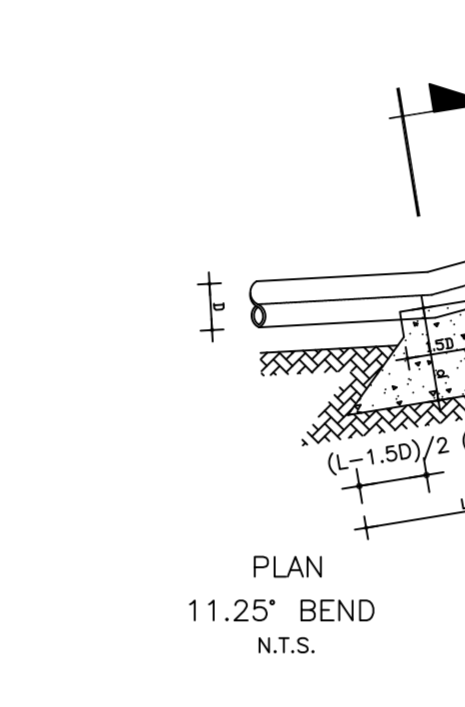
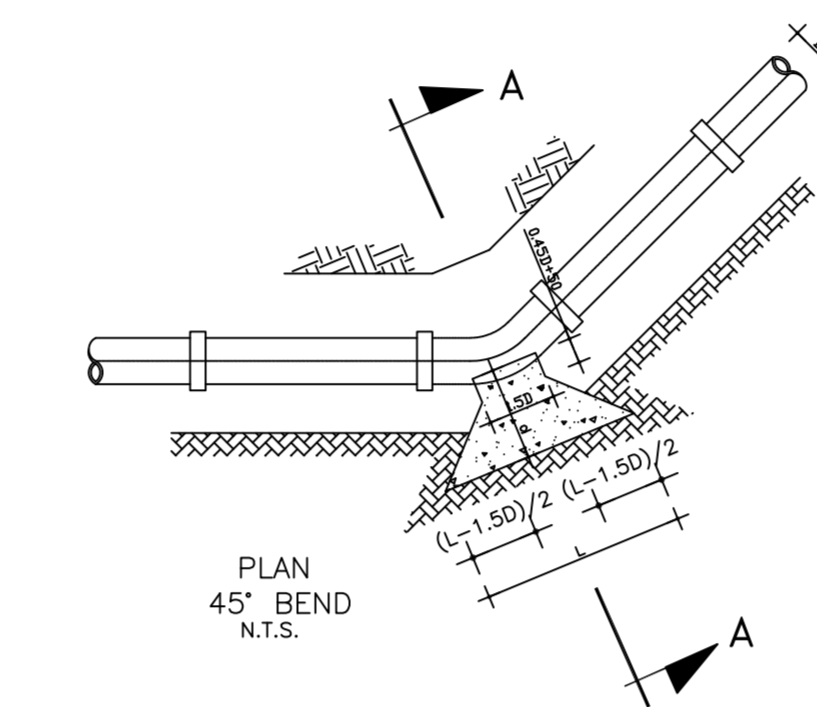


FOR BENDS 200 mm	H (mm)	L (mm)	d (mm)	v (m3)
11.25°	800	950	400	0.194
22.50°	800	1150	500	0.343
45°	800	1400	600	0.606
90°	800	1850	700	0.970
FOR TEES	800	1500	600	0.648



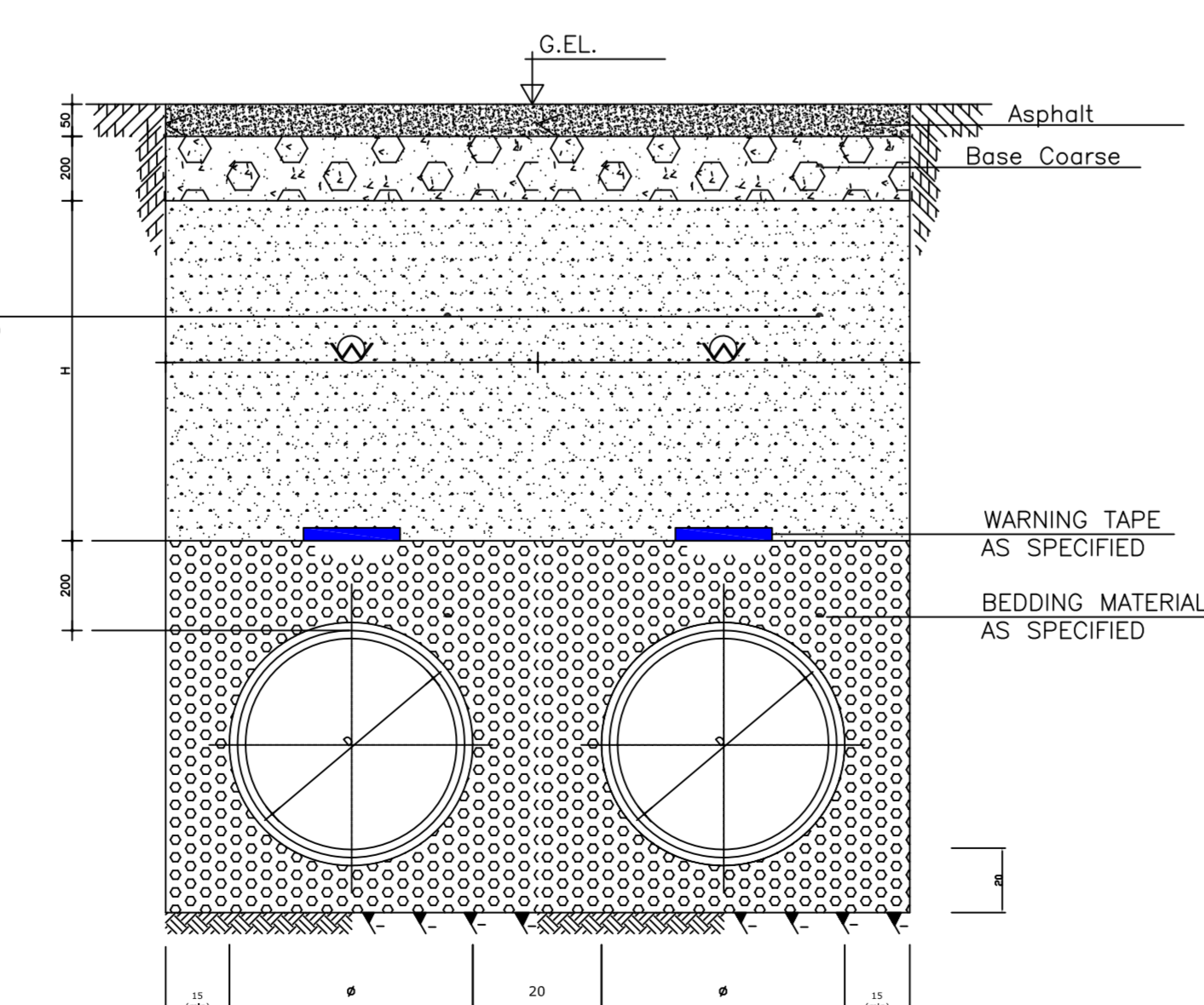
TYPE	DIMENSION A	DIMENSION B	Wall Thick (mm)	DIMENSION C (mm)	DIMENSION D (mm)
Type A	1000	1200	200	1500	2500
Type B	1200	1800	200	1500	2500
Type C	2000	2500	250	1500	2500

TABLE 1-VALVE CHAMBER DIMENSIONS

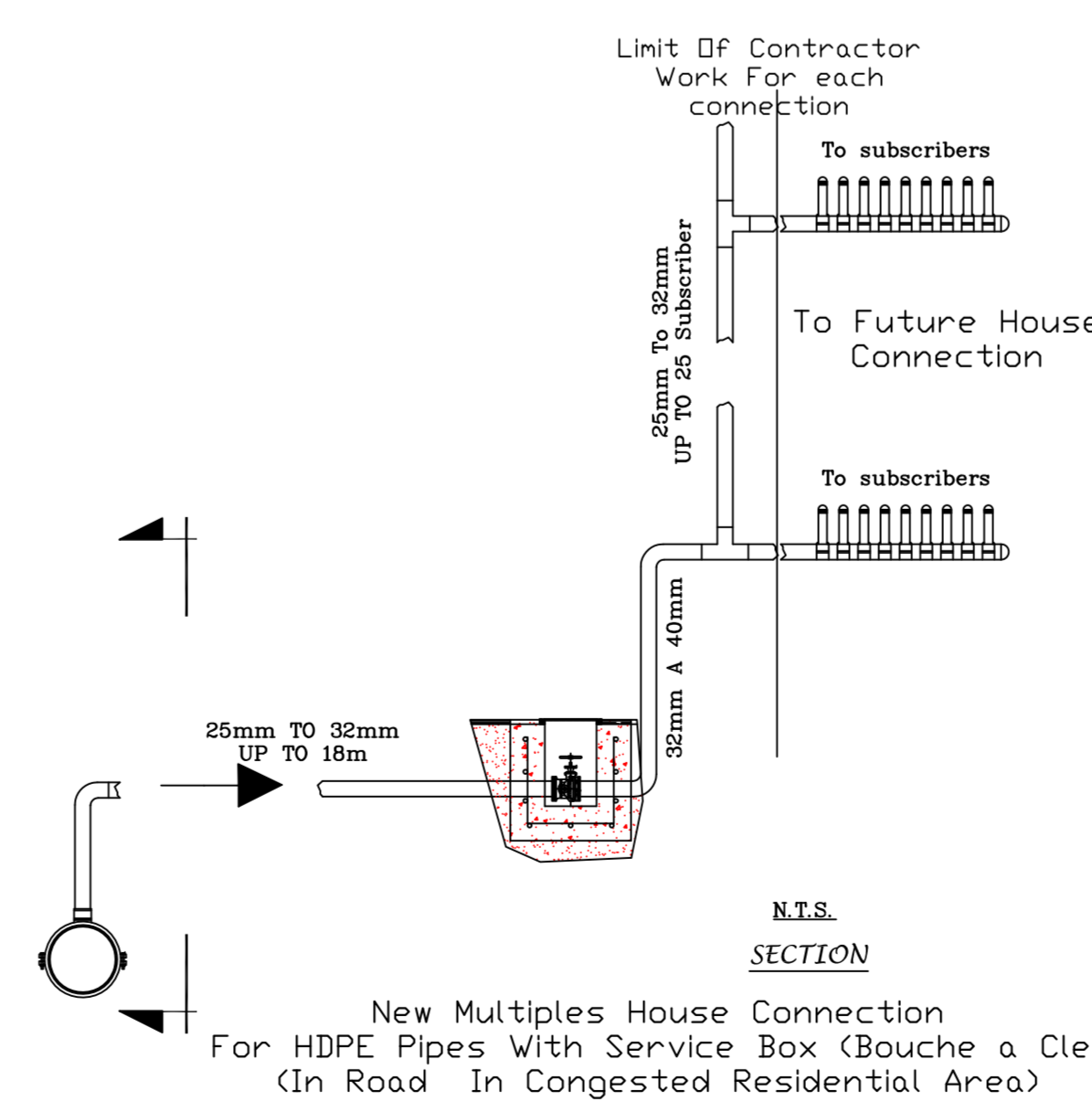


PIPE DIAMETER (mm)	MIN. TRENCH W (mm)	MIN. TRENCH H (mm)	TOTAL MIN. HEIGHT ABOVE PIPE (mm)
50	500	200	650
63 - 110	550	350	800
125 - 300	D + D + 450	400	850

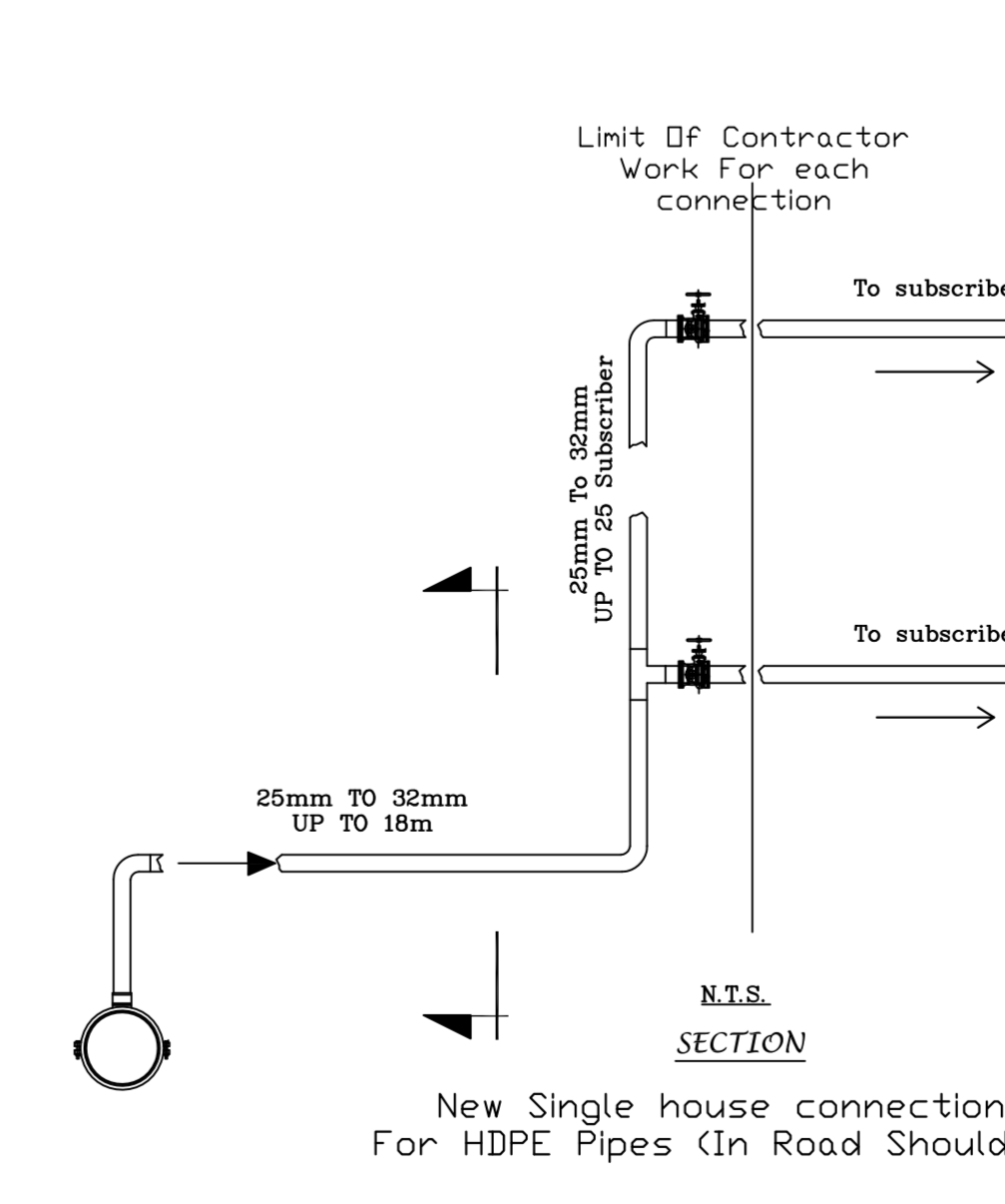
BACKFILLING MATERIAL (SELECTED FINE CRUSHED ROCKS OR ORDINARY FILL)



Typical Trench N.T.S.



TYPE N3-E1



TYPE N2-E1

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DWG TITLE: Standard Details	Designed by: D.G.
SCALE: N.T.S	Drawn by: D.G.
	Approved by: N.C.
	Checked by: N.C.

REMARKS:
DRAWING SIZE A0

DWG N°:	Dwg: 2/2
REVISION:	DATE:

