

Note:

D = 6 INCHES (for 3/4 & 1")
 4 INCHES (for 1 1/2" & 2")



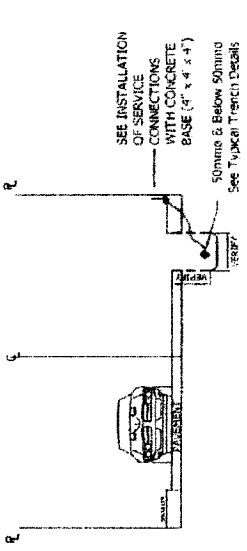
CONCRETE BASE
 (4 INCHES X 4 INCHES X 4 INCHES)

H = STANDARD CLUSTER HEIGHT
 MAXIMUM OF 1.0 M

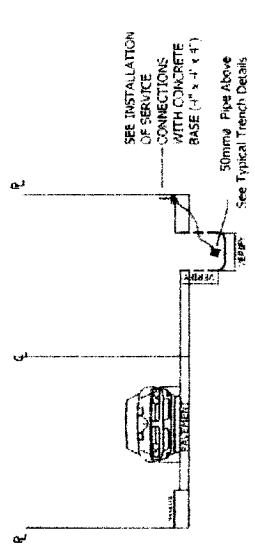
SERIES CONNECTION

- NOTES:
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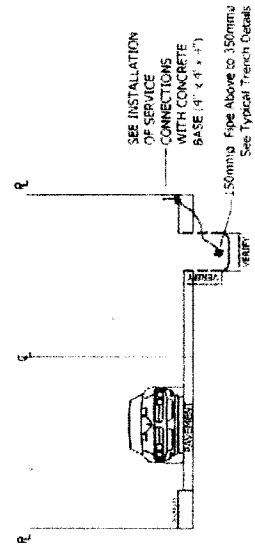
CALAMBA WATER DISTRICT	
SHEET TITLE:	DATE
Series Connection Detail	11.15.2018
PROJECT TITLE:	LOCATION:
Installation of Service Connection	CALAMBA CITY
DRAWN BY:	SHEET NO.
AMM	1
CONTRACTOR:	ADDRESS:



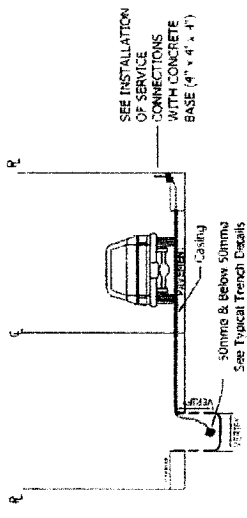
ROAD SECTION (Concrete Tapping Point)
SCALE NTS



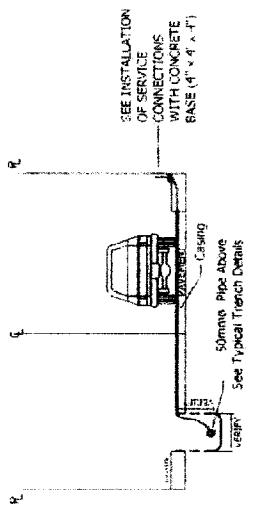
ROAD SECTION (Concrete Tapping Point)
SCALE NTS



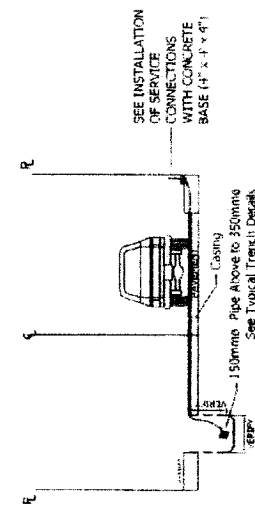
ROAD SECTION (Concrete Tapping Point)
SCALE NTS



ROAD SECTION (Across Tapping Point)
SCALE NTS




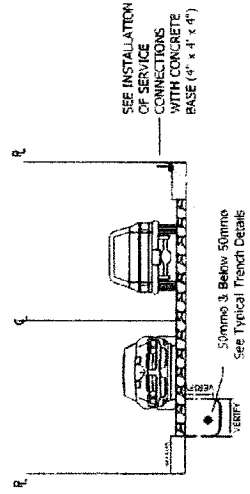
ROAD SECTION (Across Tapping Point)
SCALE NTS



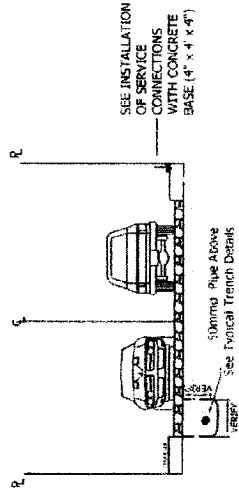
ROAD SECTION (Across Tapping Point)
SCALE NTS

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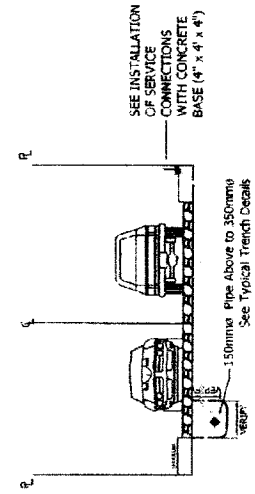
		CALAMBA WATER DISTRICT	
		SHEET TITLE: ROAD SECTION	DATE: 11.15.2018
DRAWN BY: AMM	PROJECT TITLE: SERVICE CONNECTION	LOCATION: CALAMBA CITY	SHEET NO: 1
CONTRACTOR:		ADDRESS:	



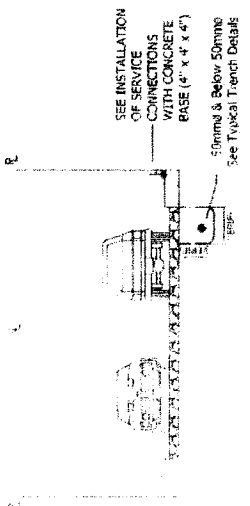
Across ordinary Tapping Point
SCALE
N/S



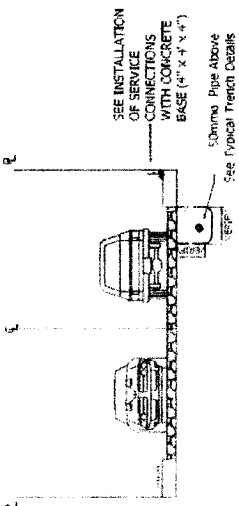
Across ordinary Tapping Point
SCALE
N/S



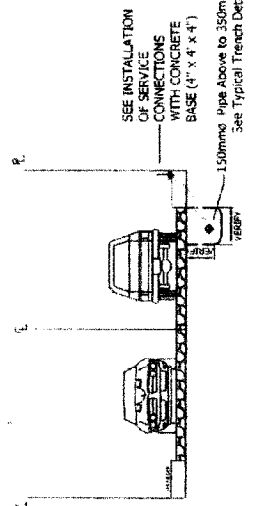
Across ordinary Tapping Point
SCALE
N/S



Ordinary Tapping Point
SCALE
N/S



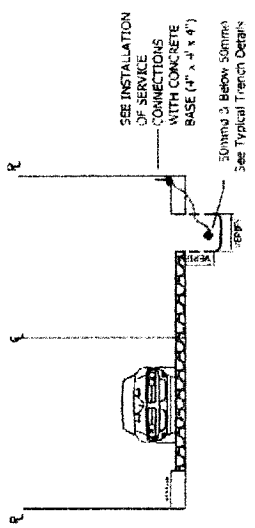
Ordinary Tapping Point
SCALE
N/S



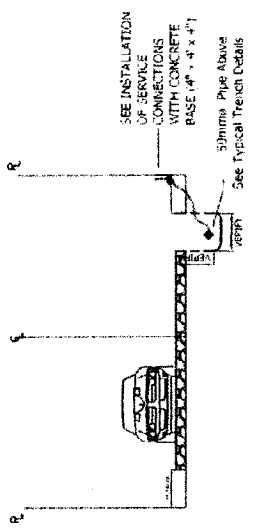
Ordinary Tapping Point
SCALE
N/S

		CALAMBA WATER DISTRICT	
		SHEET TITLE: Ordinary Tapping Detail	DATE: 11.15.2018
DRAWN BY: AMM	PROJECT TITLE: Installation of Service Connection	LOCATION: CALAMBA CITY	SHEET NO.: 2
CONTRACTOR:		ADDRESS:	

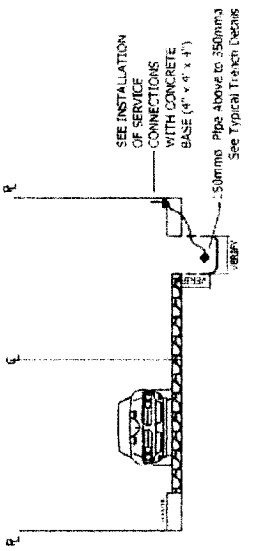
- NOTES:
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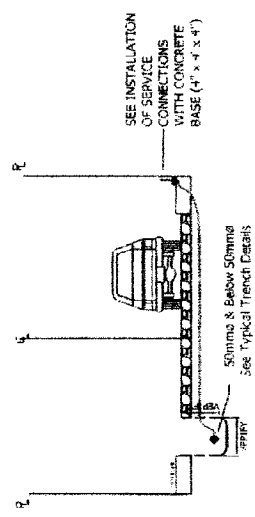
ROAD SECTION (Ordinary Tapping point)
SCALE NTS



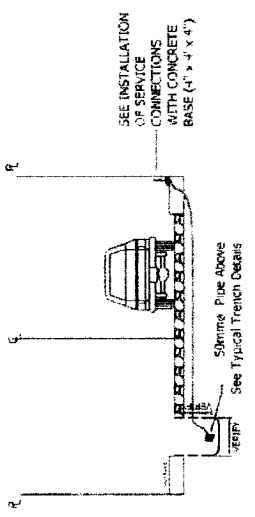
ROAD SECTION (Ordinary Tapping point)
SCALE NTS



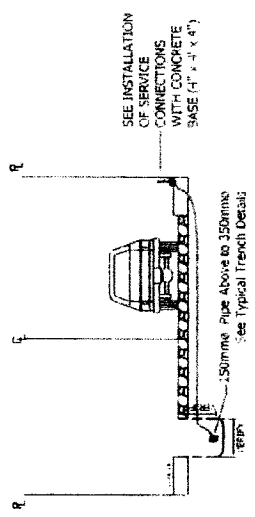
ROAD SECTION (Ordinary Tapping point)
SCALE NTS



ROAD SECTION (Across ordinary Tapping Point)
SCALE NTS



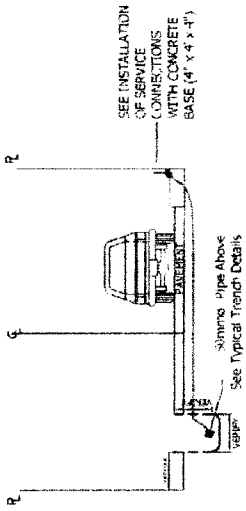
ROAD SECTION (Across ordinary Tapping Point)
SCALE NTS



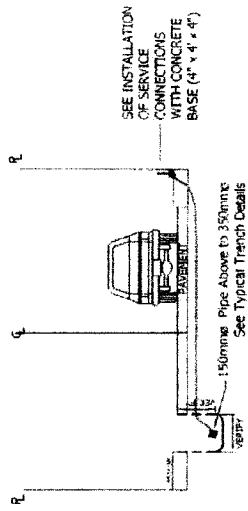
ROAD SECTION (Across ordinary Tapping Point)
SCALE NTS

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	CALAMBA WATER DISTRICT	
	SHEET TITLE ROAD SECTION	DATE 11.15.2018
DRAWN BY AMM	PROJECT TITLE SERVICE CONNECTION	LOCATION CALAMBA CITY
CONTRACTOR AMM	ADDRESS AMM	SHEET NO. 2




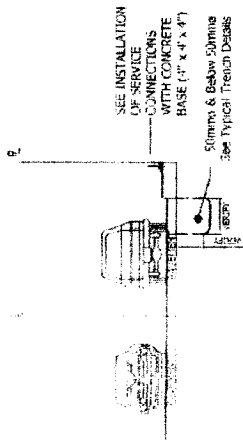
ROAD SECTION (Boring Tapping Point)
SCALE: 1/8" = 1'-0"



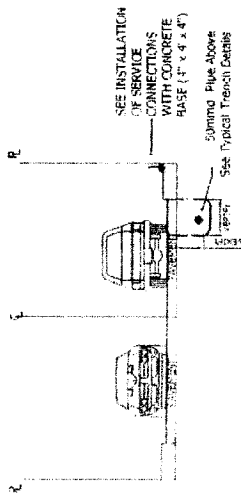
ROAD SECTION (Boring Tapping Point)
SCALE: 1/8" = 1'-0"

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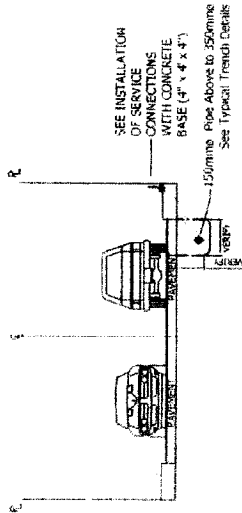
		CALAMBA WATER DISTRICT	
SHEET TITLE: ROAD SECTION		DATE: 11.15.2018	
DRAWN BY: AMM		LOCATION: CALAMBA CITY	
PROJECT TITLE: SERVICE CONNECTION		SHEET NO.: 3	
CONTRACTOR:		ADDRESS:	



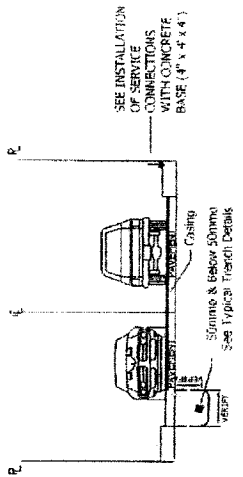
Concrete Tapping Point
SCALE 1/16"



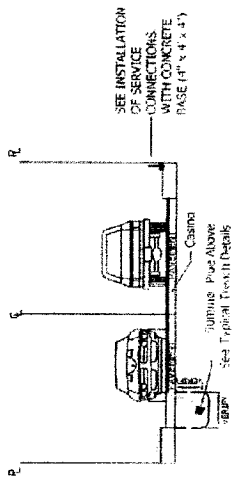
Concrete Tapping Point
SCALE 1/16"



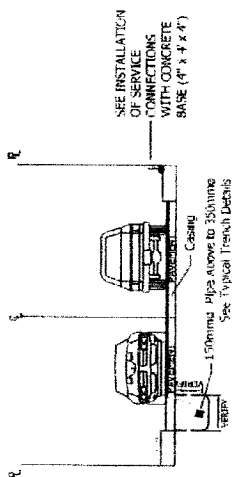
Concrete Tapping Point
SCALE 1/16"



Across Concrete Tapping Point
SCALE 1/16"



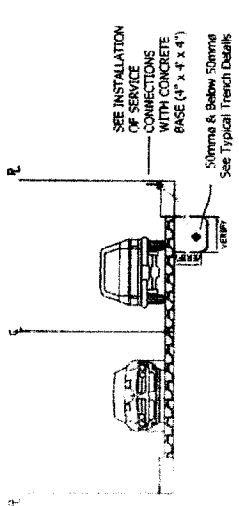
Across Concrete Tapping Point
SCALE 1/16"



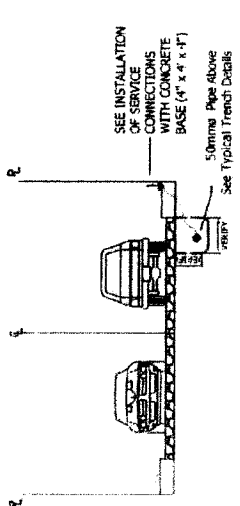
Across Concrete Tapping Point
SCALE 1/16"

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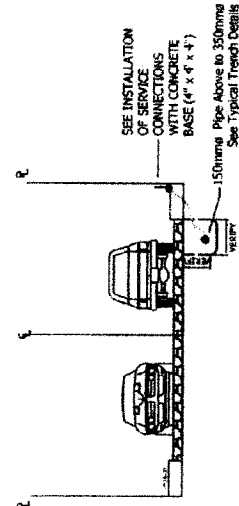
	CALAMBA WATER DISTRICT	
	SHEET TITLE Concrete Tapping Detail	DATE 11.15.2018
DRAWN BY AMM	PROJECT TITLE Installation of Service Connection	LOCATION CALAMBA CITY
CONTRACTOR AMM	ADDRESS 	SHEET NO. 3



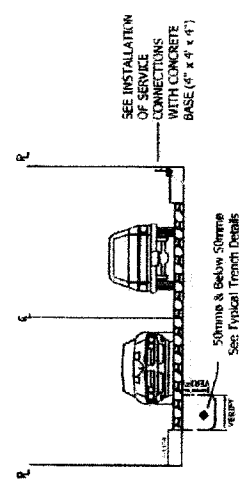
Hard Tapping point
SCALE
NTS



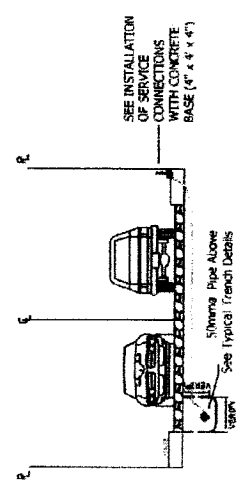
Hard Tapping point
SCALE
NTS



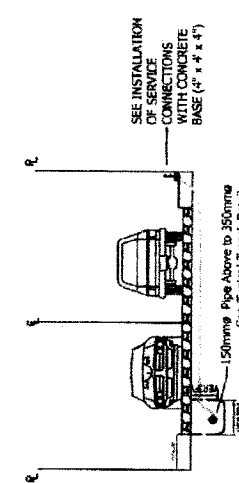
Hard Tapping point
SCALE
NTS



Across Hard Tapping Point
SCALE
NTS



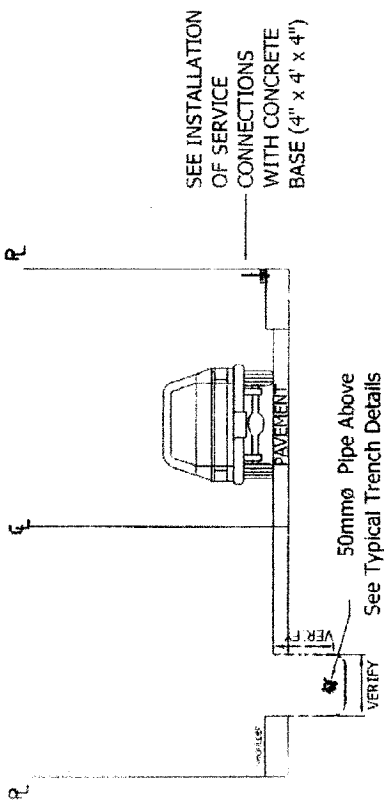
Across Hard Tapping Point
SCALE
NTS



Across Hard Tapping Point
SCALE
NTS

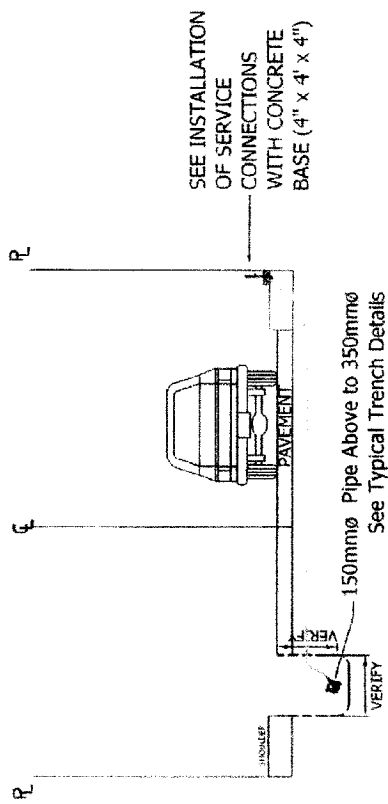
	CALAMBA WATER DISTRICT	
	SHEET TITLE: Hard Tapping Detail	DATE: 11.15.2018
DRAWN BY: AMM	PROJECT TITLE: Installation of Service Connection	LOCATION: CALAMBA CITY
CONTRACTOR:	SHEET NO.: 4	ADDRESS:

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ROAD SECTION (Boring Tapping Point)


SCALE NTS

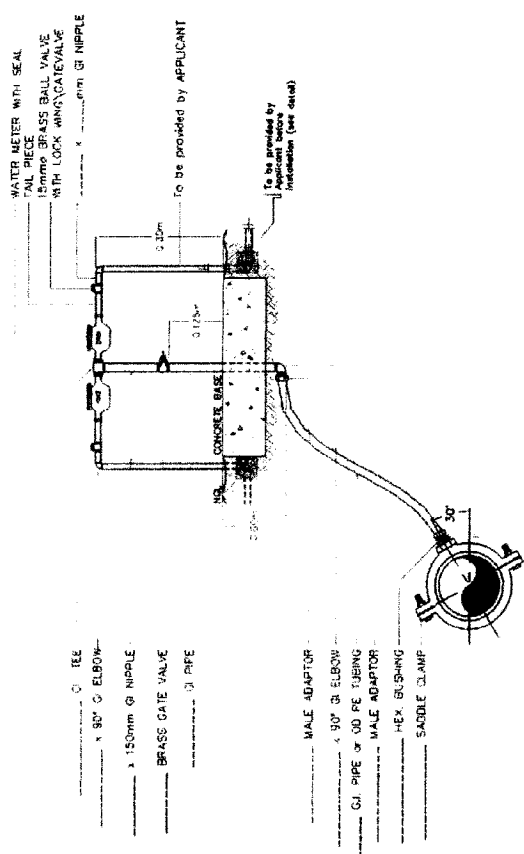


ROAD SECTION (Boring Tapping Point)

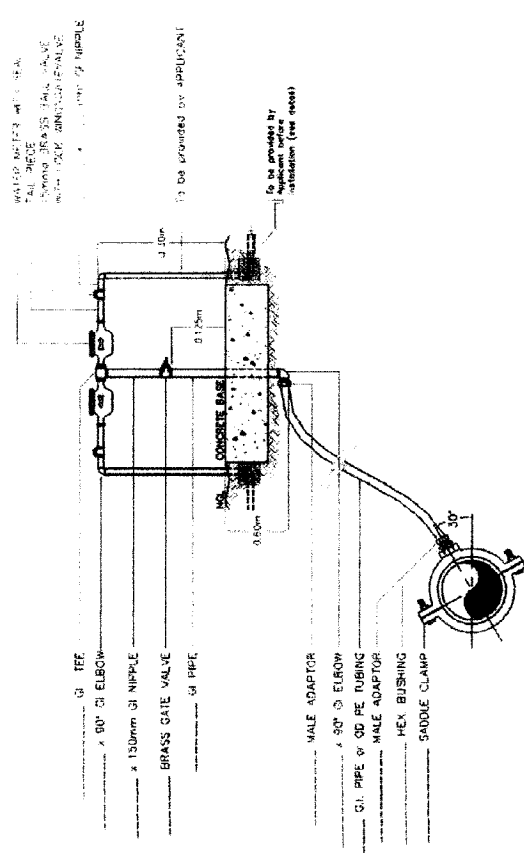
SCALE NTS

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	CALAMBA WATER DISTRICT	
	SHEET TITLE	DATE
	Boring Detail	11.15.2018
PROJECT TITLE	LOCATION	SHEET NO.
Installation of Service Connection	CALAMBA CITY	5
CONTRACTOR	ADDRESS	
AMM		

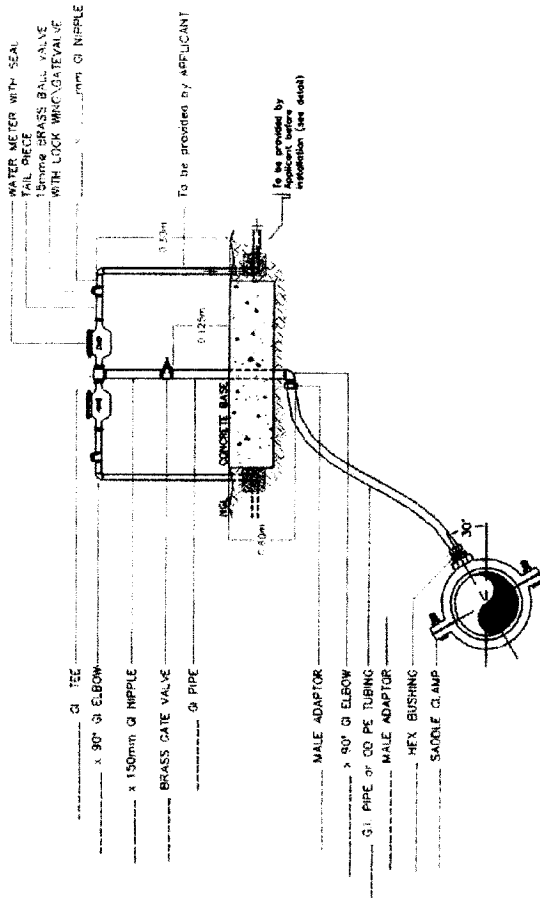


SERVICE CONNECTION

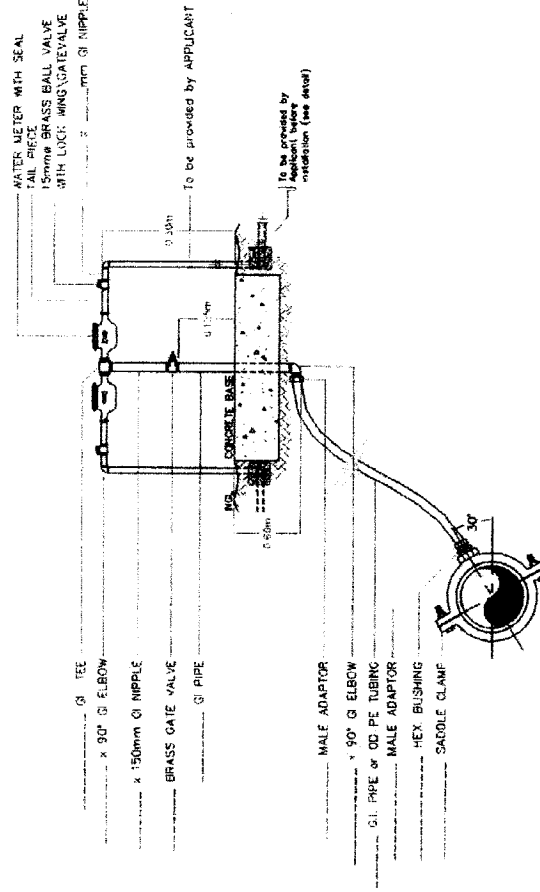


ACROSS SERVICE CONNECTION

CALAMBA WATER DISTRICT		SHEET TITLE:		DATE:	
ENGINEERING		INSTALLATION OF SERVICE CONNECTIONS		09/05/2006	
PLANNING AND DESIGN DIVISION		REVISION		SHEET NO.	
		NO.	DATE	INITIAL	APPROVED
					SD-5

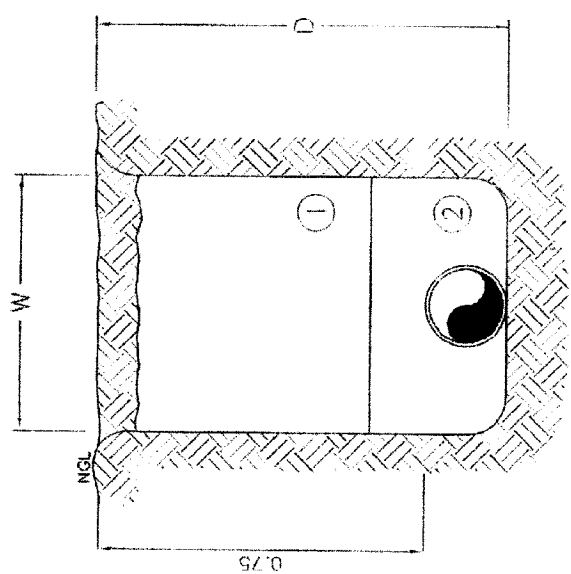


SERVICE CONNECTION

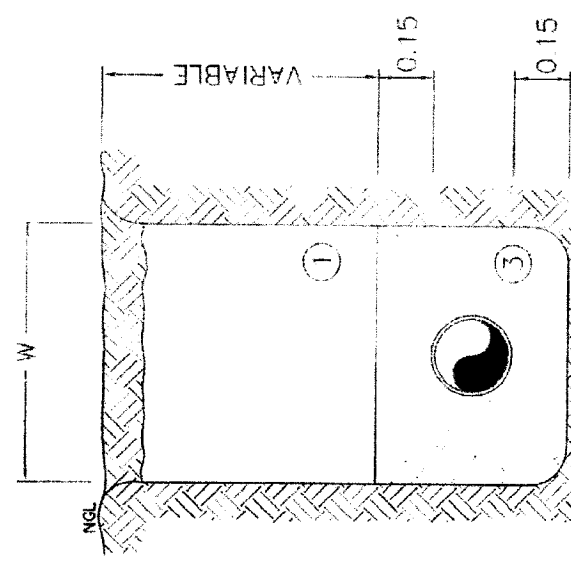


ACROSS SERVICE CONNECTION

CALAMBA WATER DISTRICT ENGINEERING PLANNING AND DESIGN DIVISION		SHEET TITLE: INSTALLATION OF SERVICE CONNECTIONS		REVISION		DATE: 09/05/2006	
				NO.		APPROVED	
				DATE		SHEET NO. SD-5	
				INITIAL			
				DESCRIPTION			



NORMAL INSTALLATION
WHERE SAND BEDDING
BACKFILL NOT REQUIRED



IN ROCK OR WHEN
ORDERED BY ENGINEER

TABLE OF TRENCH DIMENSIONS (IN METERS)

Pipe Diameter (mm)	Minimum Width (W)	Maximum Width (W)	Depth (D)
50mmø	0.20	0.30	0.50
75mmø	0.20	0.30	0.80
100mmø	0.40	0.70	0.85
150mmø	0.45	0.75	0.90
200mmø	0.50	0.80	0.95

LEGEND:

1. COMPACTED SELECTED NATIVE MATERIAL BACKFILL (SEE SPEC.)
2. COMPACTED SELECTED NATIVE MATERIAL IN 0.15 LAYERS (SEE SPEC.)
3. APPROVED SAND BEDDING & BACKFILL HAND PLACED AND COMPACTED.
4. PAYMENT FOR ANY RESURFACING WILL BE BASED ON MAXIMUM TRENCH WIDTHS PER SIZE PIPE SHOWN.

NOTE: ALL DIMENSIONS IN METERS EXCEPT WHERE OTHERWISE SHOWN.

CALAMBA WATER DISTRICT ENGINEERING PLANNING AND DESIGN DIVISION		SHEET TITLE: TYPICAL TRENCH DETAILS		DATE: 09/05/2006	
		NO. DATE INITIAL		REVISION DESCRIPTION APPROVED	
				SHEET NO. SD-1	