MUNICIPAL DEVELOPMENT STANDARDS

Appendix 'A' – Standard Drawings

ROADWAYS

3-01 24.0m Arterial Right of Way 3-02 20.0m Collector Right of Way without Frontage 3-03 20.0m Local Right of Way with Frontage 3-04 Rolled Face Curb and Gutter 3-05 Rolled Face Monolithic Sidewalk 3-06 Straight Face Monolithic Sidewalk 3-07 1.5m Separate Sidewalk 3-08 Curb Ramp

SANITARY SEWER

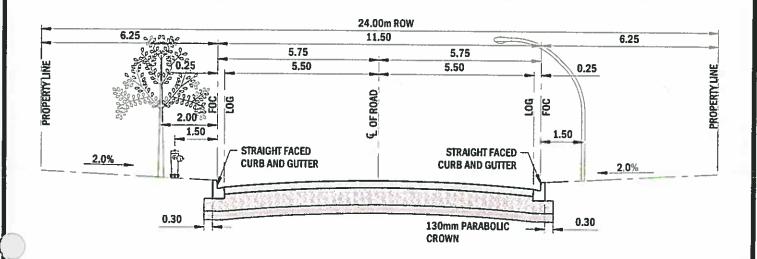
4-01 Standard Manhole

STORM SEWER

5-01 Standard Catchbasin

WATERMAINS

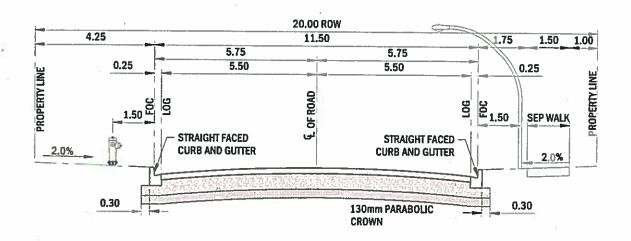
6-01 Water Valve Installation
6-02 Hydrant Installation
6-03 Typical Anode Installation - Hydrant
6-04 Typical Anode Installation
6-05 Typical Single Service
6-06 Typical Double Service



24.0m ARTERIAL ROW

MINIMUM ROAD STRUCTURE
125mm ASPHALT CONCRETE
300mm-20mm CRUSHED GRAVEL
150mm COMPACTED SUBGRADE OR
CEMENT STABILIZED CLAY SUBGRADE

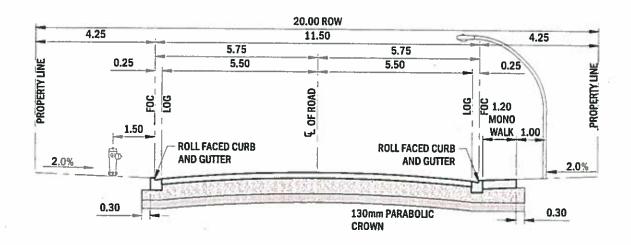
	REVISIONS .		24.0m ARTERIAL ROW	16
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			APPROVED:	DWG. NO.
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(SPREED)			DATE: SCALE: N.T.S. DRAWN:	3-01



20.0m COLLECTOR ROW NO FRONTAGE

MINIMUM ROAD STRUCTURE
100mm ASPHALT CONCRETE
275mm-20mm CRUSHED GRAVEL
150mm COMPACTED SUBGRADE OR
CEMENT STABILIZED CLAY SUBGRADE

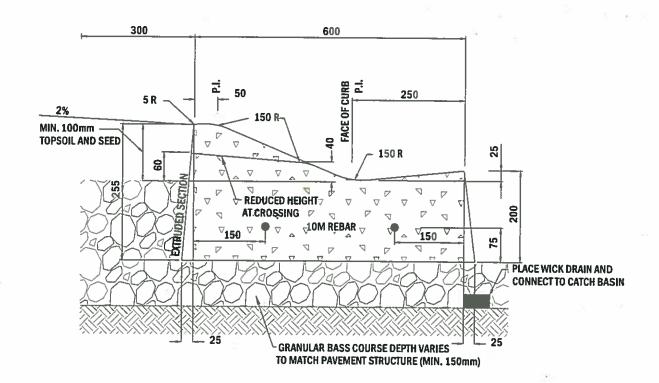
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		APPROVED:		DWG. NO.	
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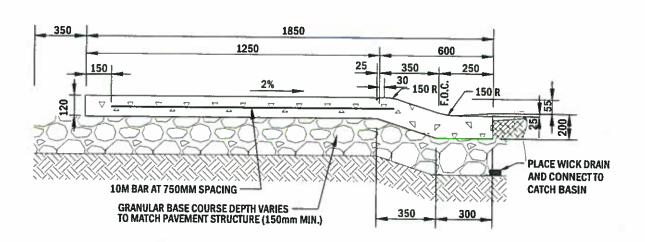
20.0m LOCAL ROW WITH FRONTAGE

MINIMUM ROAD STRUCTURE
100mm ASPHALT CONCRETE
275mm-20mm CRUSHED GRAVEL
150mm COMPACTED SUBGRADE OR
CEMENT STABILIZED CLAY SUBGRADE

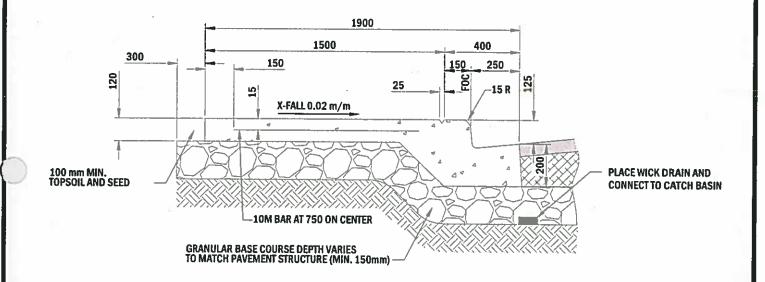
	- REVISIONS		20.0m LOCAL ROW WITH FRONTAGE	18	
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		12	APPROVED:	DWG. NO.	
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			DATE: SCALE: N.T.S. DRAWN:	3-03	



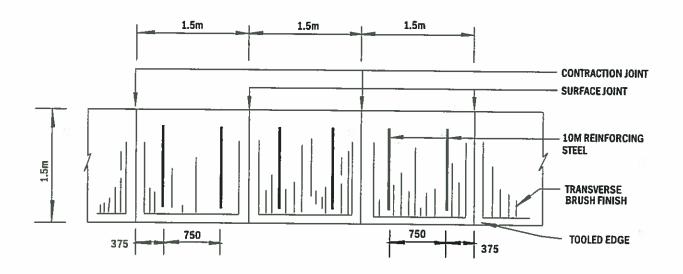
	REVISIONS		ROLL FACE CURB AND GUTTER	18
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			CHECKED:	2.04
			DATE: SCALE: N.T.S. DRAWN:	3-04

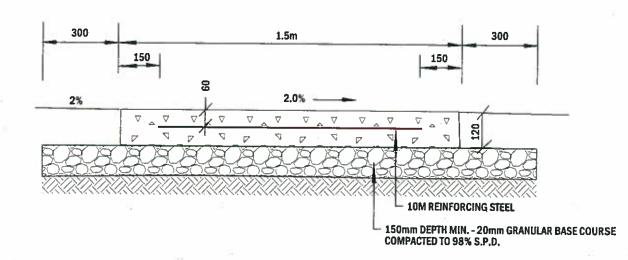


	REVISIONS		ROLLED FACE MONOLITHIC	. 1
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			CHECKED:	2.05
			DATE: SCALE: N.T.S. DRAWN:	3-05

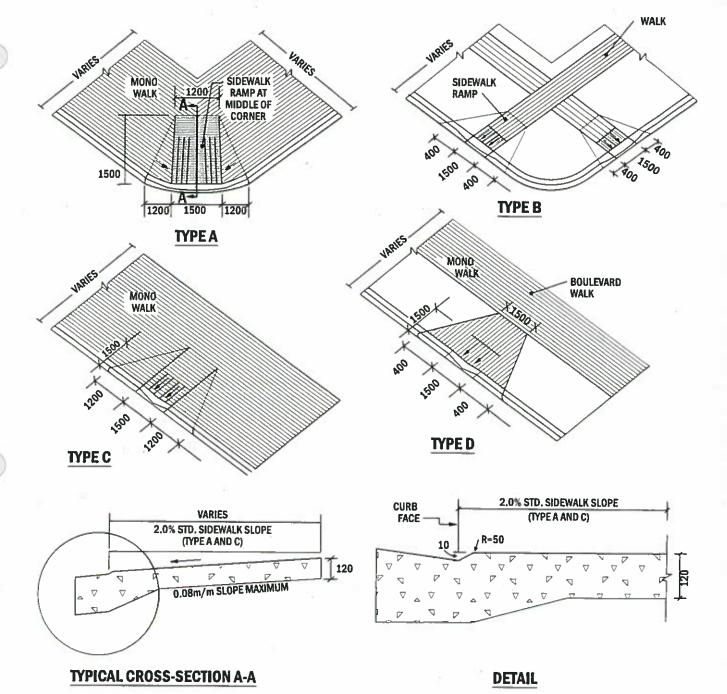


	REVISIONS		STRAIGHT FACED		1
DATE DETAILS	DETAILS	BY		ITHIC SIDEWALK	TWOME
		APPROVED:		DWG, NO.	
			CHECKED:		2.00
			DATE:	SCALE: N.T.S. DRAWN:	3-06



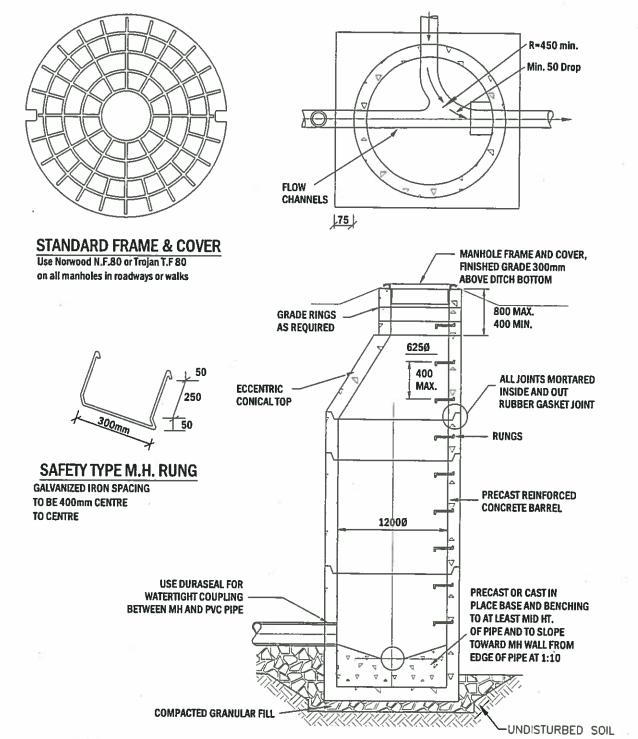


	REVISIONS	•		1.5m SEPARATE SIDEWALK	1
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				DATE: SCALE: N.T.S. DRAWN:	3-07



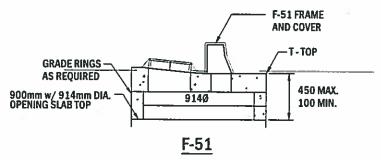
- 1. TOOLED GROOVES 5mm WIDE X 10mm DEEP, BROOM FINISH GROOVE SPACING 150mm O.C. ADJACENT TO CURB.
- 2. WHERE RAMP IS TO BE USED AS A TRANSITION, USE THE CENTRE OF THE 150mm RAMP AS THE CENTRE OF THE TRANSITION.
- 3. WHERE CURB FACE IS 200mm, DISTANCE OF FLARE SHOULD BE 1600mm.
- 4. CURBS AND RAMPS TO BE POURED MONOLITHICALLY.

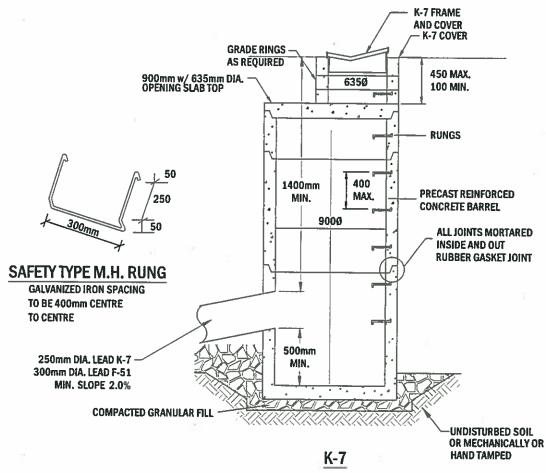
	REVISIONS		CURB RAMP	1
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		T TETTE	DATE: SCALE: N.T.S. DRAWN:	3-08



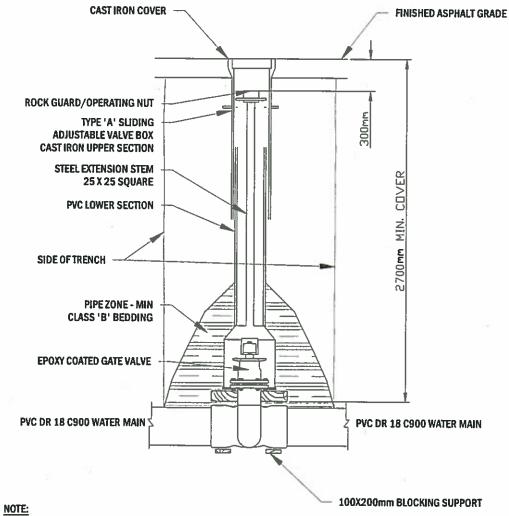
1. MANHOLES OF DEPTH GREATER THAN 7m REQUIRE AN ALUMINUM SAFETY PLATFORM.

	REVISIONS	,	STANI	DARD MANHOLE	185
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		APPROVED:		DWG. NO.	
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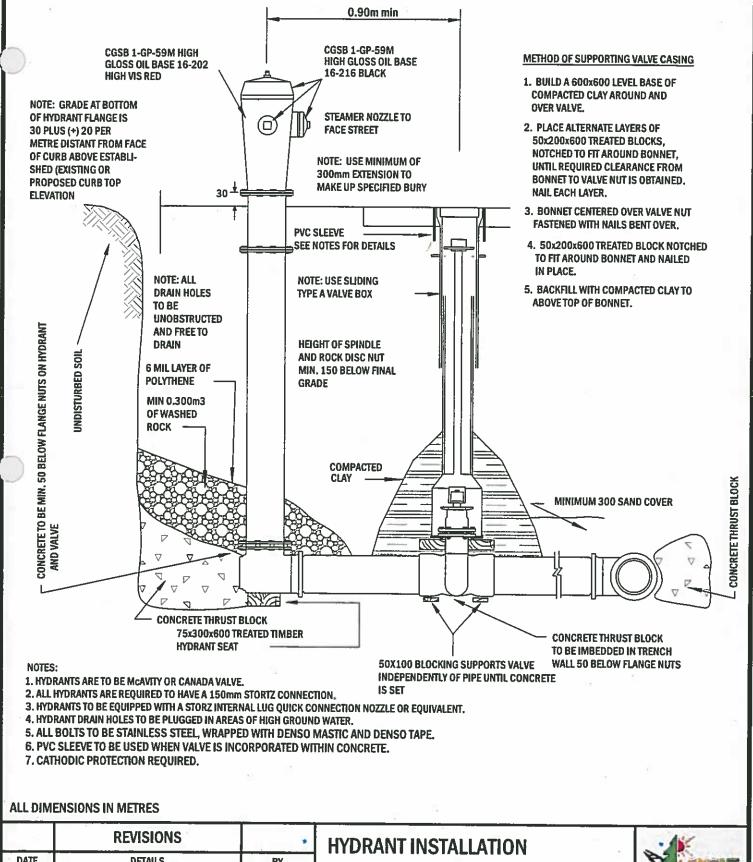
¥2		REVISIONS		STANDARD CATCHBASIN	1
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				DATE: SCALE: N.T.S. DRAWN:	5-01



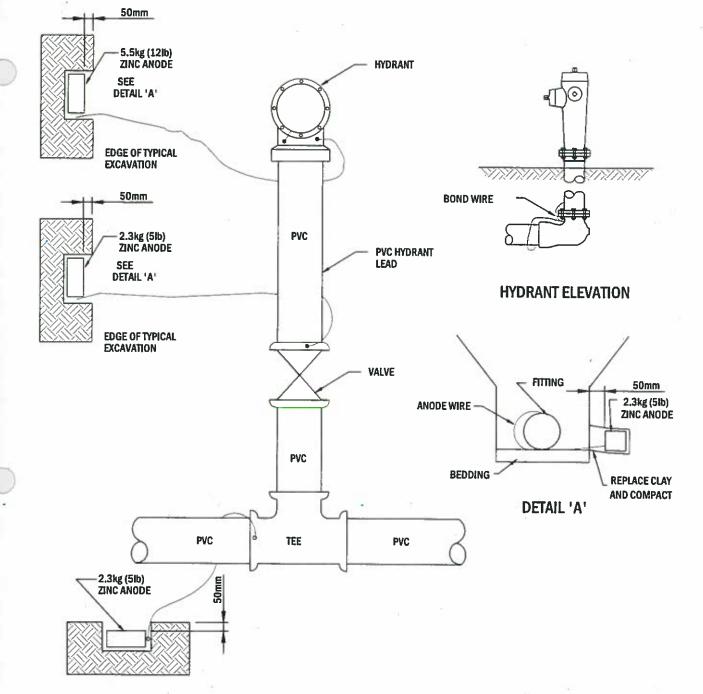
1. VALVE TO BE ADEQUATELY PROTECTED AGAINST LATERAL MOVEMENT WITH CONCRETE THRUST BLOCKING.

2. ALL VALVES ARE TO BE EPOXY COATED WITH STAINLESS BOLTS AND CATHODICALLY PROTECTED WITH MIN. 2.3kg ZINC ANODE.

REVISIONS			WATER VALVE INSTALLATION	1
DATE	DETAILS	BY	- WATER WEVE INCIAEDATION	DWG. NO.
			APPROVED:	
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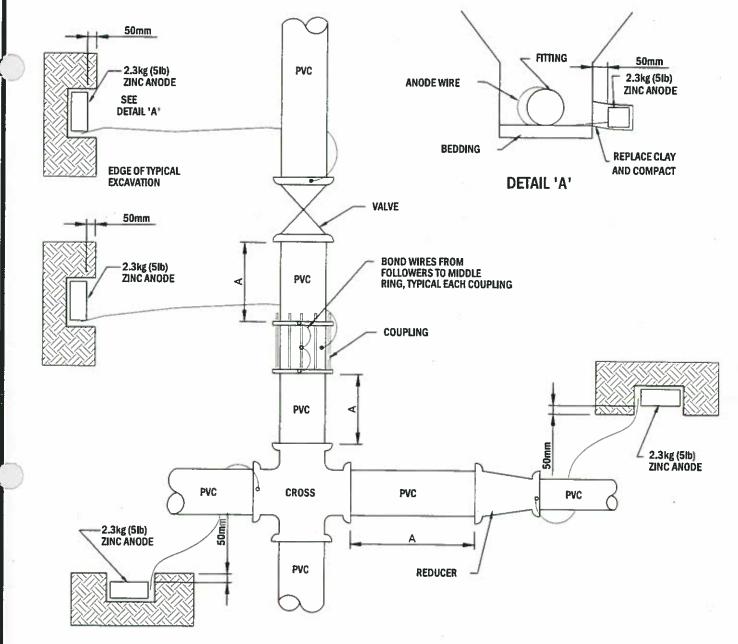


	REVISIONS		HYDRANT INSTALLATION	- 16
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			APPROVED:	DWG. NO.
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			DATE: SCALE: N.T.S. DRAWN:	6-02



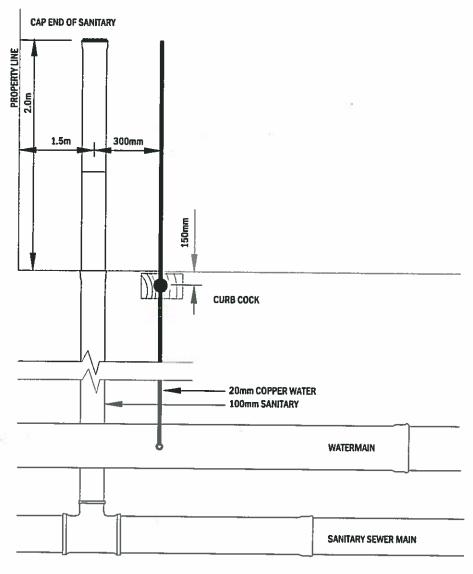
- 1. MINIMUM DISTANCE FROM ANODE TO PIPE, FITTING, VALVE, OR HYDRANT IS 150mm.
- 2. INSTALL ANODE AT APPROX. PIPE DEPTH IN NATIVE SOIL.
- 3. ZINC ANODES TO BE EMBEDDED INTO TRENCH WALL TO PROVIDE FOR A MINIMUM OF 50mm OF NATIVE CLAY COMPLETELY SURROUNDING THE ANODE.
- 4. ANODES TO BE AT LEAST 300mm CLEAR OF THRUST BLOCK.

	REVISIONS	•	TYPICAL ANODE INSTALLATION	1
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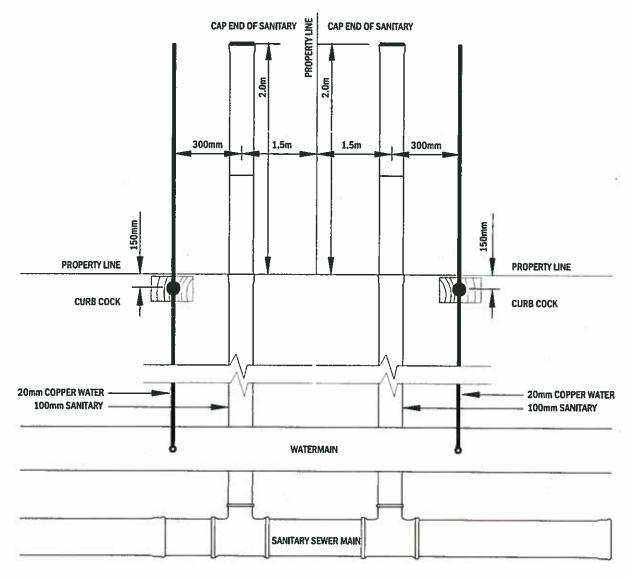
- 1. MINIMUM DISTANCE FROM ANODE TO PIPE, FITTING, VALVE, OR HYDRANT IS 150mm.
- 2. INSTALL ANODE AT APPROX. PIPE DEPTH IN NATIVE SOIL
- 3. BOND WIRES MAY BE USED TO PROTECT UP TO TWO FITTINGS WITH ONE ANODE WHEN DIMENSION 'A' DOES NOT EXCEED ONE (1) METER.
- 4. ALL ZINC ANODES ON FITTINGS AND VALVES ARE 2.3kg (5lb).
- 5. ZINC ANODES TO BE EMBEDDED INTO TRENCH WALL TO PROVIDE FOR A MINIMUM OF 50mm OF NATIVE CLAY COMPLETELY SURROUNDING THE ANODE.
- 6. ANODES TO BE AT LEAST 300mm CLEAR OF THRUST BLOCK.

	REVISIONS .		TYPICAL ANODE INSTALLATION	1
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- THE TOWN ACCEPTS NO RESPONSIBILITY FOR THE CONSTRUCTION OR MAINTENANCE OF THE SERVICES BEYOND PROPERTY LINE THE END OF THE COPPER WATER SERVICE SHOULD NOT BE CRIMPED CLOSED, PERMIABLE FILTER CLOTH WILL BE USED TO PREVENT INTRUSION OF DEBRIS AND TO ALLOW TESTING FLOW OF CURBSTOP.
- MARK CURB COCK WITH A 50x100x750mm STAKE PAINTED RED.

	REVISIONS		TYPICAL SINGLE SERVICE	185
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- THE TOWN ACCEPTS NO RESPONSIBILITY FOR THE CONSTRUCTION OR MAINTENANCE OF THE SERVICES BEYOND PROPERTY LINE THE END OF THE COPPER WATER SERVICE SHOULD NOT BE CRIMPED CLOSED, PERMIABLE FILTER CLOTH WILL BE USED TO PREVENT INTRUSION OF DEBRIS AND TO ALLOW TESTING FLOW OF CURBSTOP.
- MARK CURB COCK WITH A 50x100x750mm STAKE PAINTED RED.

133	REVISIONS		TYPICAL DOUBLE SERVICE	18
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