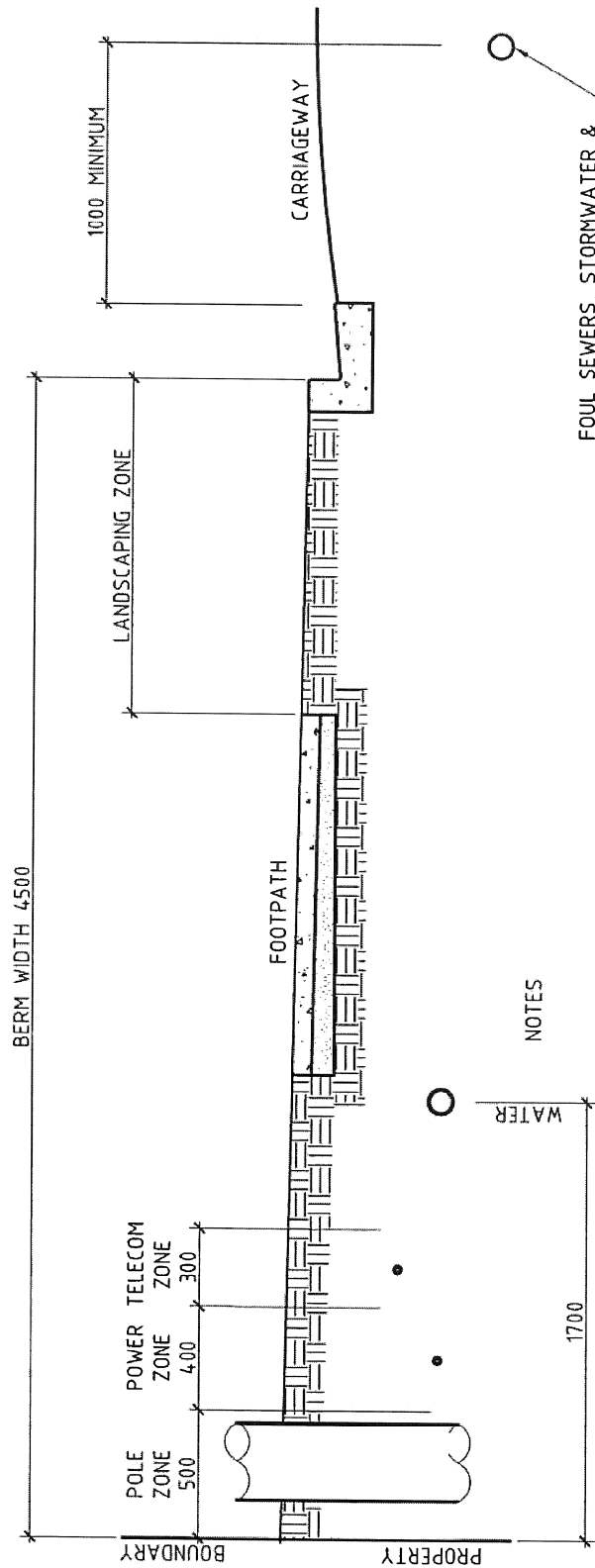


SECTION 18 STANDARD DRAWINGS

Miscellaneous

| | | |
|-----|------------------------------|-------|
| M01 | Standard Berm Layout Details | 18-22 |
| M02 | Street Lighting Details | 18-23 |
| M03 | Street Signs Details | 18-24 |
| M04 | Street Signs Details | 18-25 |
| M05 | Valve and Hydrant Markers | 18-26 |
| M06 | Standard Symbology | 18-27 |
| M07 | Standard Fence Details | 18-28 |



FOUL SEWERS, STORMWATER & GAS LOCATED IN THIS VICINITY.

NOTES

- 1 LANDSCAPING / TREE PLANTING AREAS TO BE INCORPORATED INTO BERMS AND TO BE FREE OF SERVICES.
- 2 COMPETITIVE NETWORKS LOCATIONS ARE FOR DUAL SERVICE NETWORKS. COMPETITIVE NETWORKS WILL BE IN RESPECTIVE LOCATIONS, AND AT VARYING DEPTHS, OR ADJACENT TO EACH OTHER.
- 3 TRENCH SHARING POWER AND TELECOM MAY SHARE TRENCH, IN EITHER POSITION, WHERE MUTUALLY AGREED.
- 4 A MINIMUM HORIZONTAL CLEARANCE OF 500mm IS REQUIRED BETWEEN PIPES AND BETWEEN PIPES AND ANY CABLES.



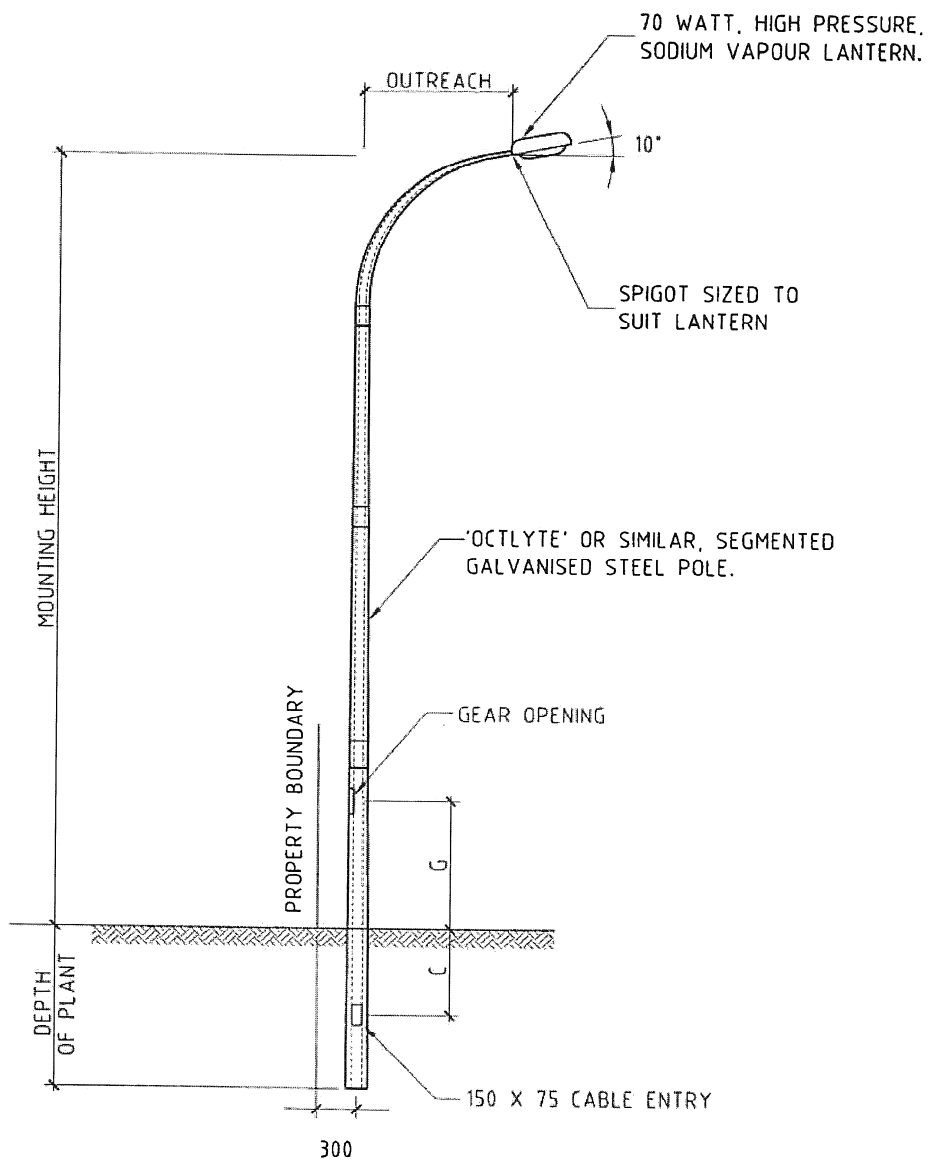
Standard Berm Layout Details

Refer to Sections 10.4, 12.4, 12.6 and 12.8

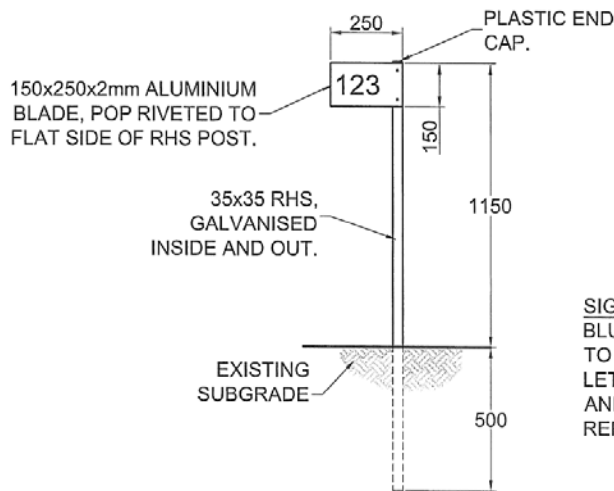
Not To Scale
Original Size A4

Sheet **M01**

November 2011



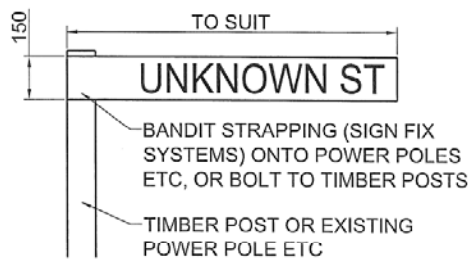
| MOUNTING HEIGHT (m) | GEAR OPENING HEIGHT 'G' (mm) | CABLE ENTRY DEPTH 'C' (mm) | PLANTING DEPTH(mm) |
|---------------------|------------------------------|----------------------------|--------------------|
| 5.8 | 950 | 650 | 1200 |
| 7.3 | 450 | 650 | 1500 |



SIGN DETAILS
 BLUE 3M HIGH INTENSITY SHEET TO BE APPLIED TO BOTH SIDES.
 LETTERING TO BE 70mm HIGH ON BOTH SIDES, AND MADE FROM WHITE ENGINEERING GRADE REFLECTORISED MATERIAL.

STANDARD RAPID No. SIGN AND POST DETAILS

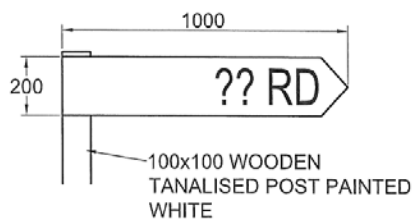
1:50



SIGN DETAILS
 150mm "I" BLADE, BLUE CLASS 1 HI BACKGROUND.
 100mm SERIES D LETTERS, WHITE HI
 BLADES SIZED TO SUIT, NOT POINTED.
 BOLTS TO BE GALVANISED 75x10 COACH SCREWS OR 125x10 BOLTS. BOLT HEADS TO HAVE PLASTIC OR FIBRE WASHER TO PROTECT REFLECTIVE SURFACE.

STANDARD URBAN STREET NAME BLADE DETAILS

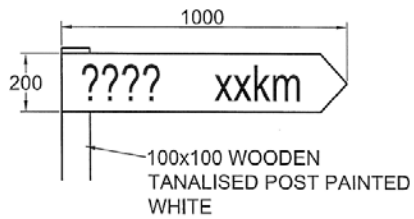
1:50



SIGN DETAILS
 200mm "I" BLADE, BLUE CLASS 1 HI BACKGROUND.
 125mm SERIES C LETTERS, WHITE HI
 BLADES ARE ALL 900mm OUT FROM POST AND POINTED.
 BOLTS TO BE GALVANISED 75x10 COACH SCREWS OR 125x10 BOLTS. BOLT HEADS TO HAVE PLASTIC OR FIBRE WASHER TO PROTECT REFLECTIVE SURFACE.

STANDARD RURAL ROAD NAME BLADE DETAILS

1:50

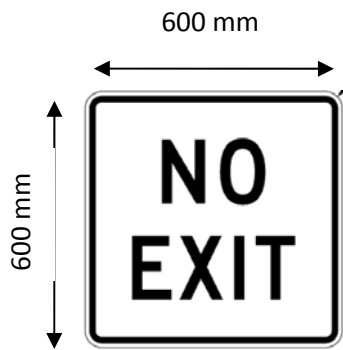


SIGN DETAILS

WOODEN I30 STYLE, STANDARD YELLOW BACKGROUND.
 BLACK 125mm SERIES C LETTERS IF POSSIBLE, OR SIZE TO FIT.
 BLADES ARE ALL 900mm OUT FROM POST AND POINTED.
 BOLTS TO BE GALVANISED 100x10 COACH SCREWS OR 150x10 BOLTS. BOLT HEADS TO HAVE PLASTIC OR FIBRE WASHER.

STANDARD DESTINATION SIGN BLADE DETAILS

1:50



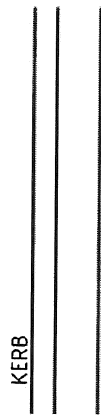
SIGN DETAILS

BLACK LEGEND AND BORDER
 REFLECTORISED WHITE BACKGROUND
 POST 100 X 100 WOODEN TANALISED POST

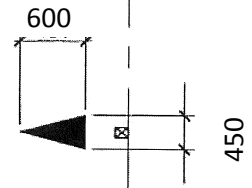
STANDARD NO EXIT SIGN DETAILS

HYDRANT MARKERS

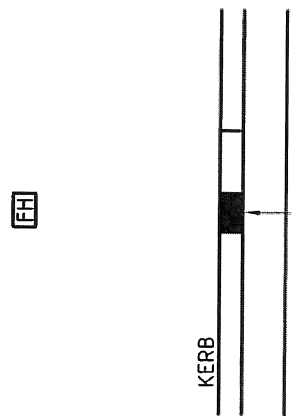
NOTE:
ENDEAVOUR TO POSITION HYDRANT
ADJACENT TO PROPERTY BOUNDARY.



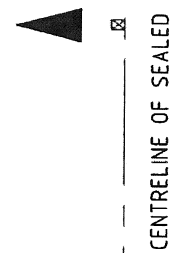
100mm LINE
ROADMARK
YELLOW R=600



HYDRANT IN ROAD



150mm LINE
ROADMARK
YELLOW



HYDRANT OUTSIDE KERB AND CHANNEL

100mm LINE ROADMARK
YELLOW R=600mm ON
CONCRETE SURROUND



BLUE CATS EYE
REFLECTOR



HYDRANT IN UNDEFINED BERM

Standard Symbolology

Refer to Section 2.11

Not To Scale
Original Size A4

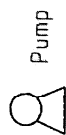
Sheet **M06**

November 2011

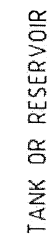
WATER SUPPLY



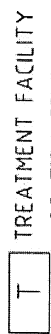
RAW WATER INTAKE



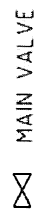
Pump



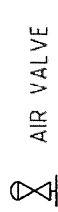
TANK OR RESERVOIR



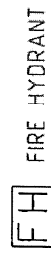
TREATMENT FACILITY
(LOCATION GENERALISED)



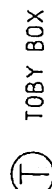
MAIN VALVE



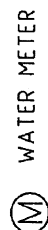
AIR VALVE



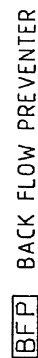
FIRE HYDRANT



TOBY BOX



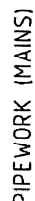
WATER METER



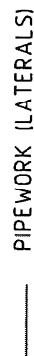
BACK FLOW PREVENTER



FENCE TAG



PIPEWORK (MAINS)



PIPEWORK (LATERALS)

STORMWATER



MANHOLE



INSPECTION EYE



PRIVATE LATERAL



CULVERT INLET



CULVERT OUTFALL
(ARROW INDICATES
DIRECTION OF FALL)



Sump



OPEN DRAIN

SANITARY SEWER



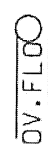
MANHOLE



INSPECTION EYE



PRIVATE LATERAL



EMERGENCY DISCHARGE POINT



AIR VALVE ON RISING MAIN



TREATMENT INTAKE



PUMP STATION



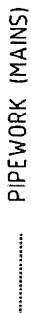
TREATMENT FACILITY
(LOCATION GENERALISED)



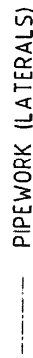
TREATMENT OUTFALL
(LOCATION GENERALISED)



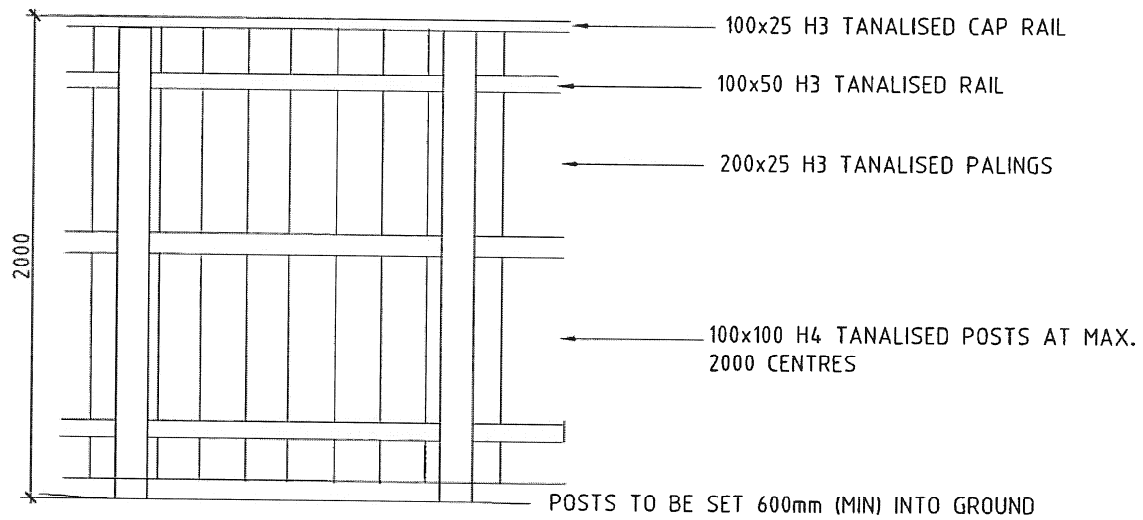
RISING MAIN



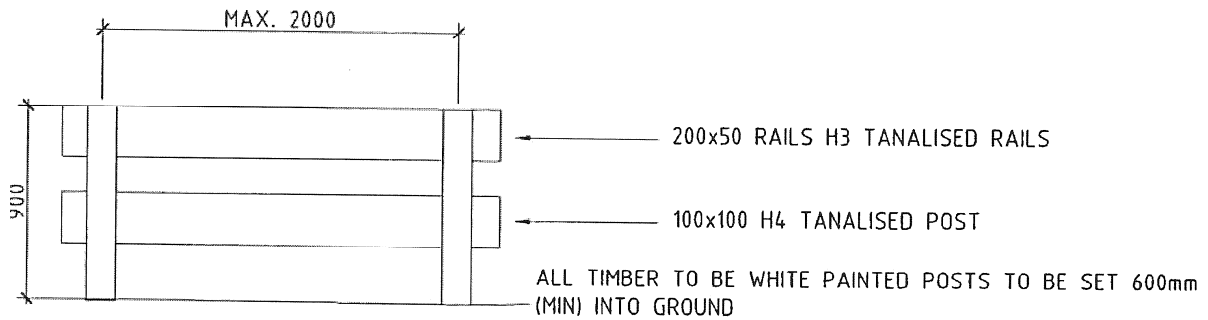
PIPEWORK (MAINS)



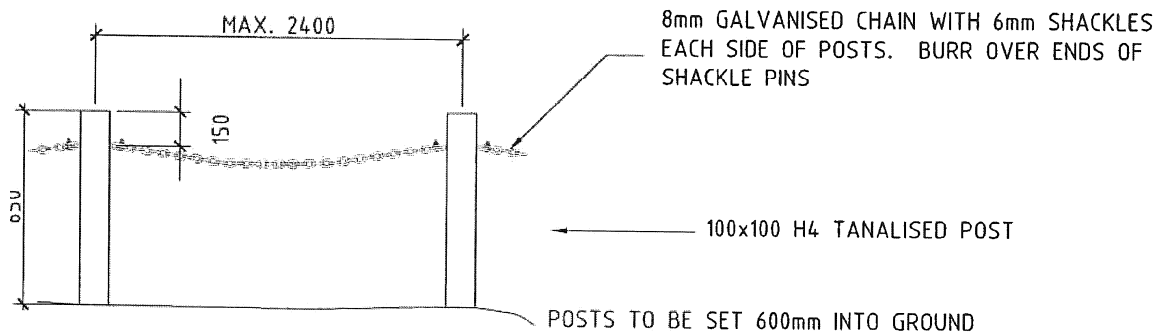
PIPEWORK (LATERALS)



PALING FENCE



SIGHT RAILS



POST AND CHAIN FENCE



Standard Fence Details

Not To Scale
Original Size A4

Sheet **M07**

November 2011