

POS	CONDITIONS FOR CONTRACTORS OPENING UP ROAD WORKS	PSEW3
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POSITION STATEMENT CODE:	PSEW3
DIRECTORATE:	Engineering & Works
BUSINESS UNIT:	Engineering Department
SERVICE UNIT:	Road Construction Services
RESPONSIBLE OFFICER:	Manager, Engineering
FILE NO.:	182/002
DATE FIRST ADOPTED:	1997
DATE LAST REVIEWED:	9 March 2017
ATTACHMENTS:	N/A
VERSION NO.	3

Dates of Amendments / Reviews:	
DAPPS Meeting:	31 January 2013 27 August 2015 23 February 2017
OCM:	14 February 2013 10 September 2015

BACKGROUND:

The provision of utility services within Council road reserves is capable of causing inconvenience to users of these public roads.

PURPOSE:

To ensure a consistent standard is adopted by contractors responsible for the provision of public utilities within Council road reserves.

POSITION:

(1) Minimum depth of pipe shall provide cover as follows:

Gas

- (1) Distribution Mains
 - (a) Street Mains
750 mm in road reserve (verge or under road pavement)
 - (b) Consumer Services
600 mm in road reserve (verge or under road pavement)
- (2) High Pressure Distribution Pipelines
 - (a) Street Mains
1200 mm in road reserve (verge or under road pavement)

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- (b) Consumer Services
1200 mm in road reserve (verge or under road pavement)

Electricity

- (1) Most mains and services
850 mm in verge or under road pavement
- (2) Light and low voltage private cables
600 mm

Telecommunications

- (1) Street Mains
450 mm for excavation installations
600 for trenchless installations
- (2) Consumer Services
450 for excavation installations
600 mm for trenchless installations

Water

- (1) Distribution Mains
750 mm in road reserve (verge or under road pavement)
- (2) Reticulation Mains
600 mm in road reserve (verge or under road pavement)
- (3) Consumer services
450 mm in road reserve (verge or under road pavement)

Sewerage

- (1) Sewer Mains
900 mm in road reserve (verge or under road pavement)
- (2) Consumer services
900 mm in road reserve (verge or under road pavement)

Main Drainage

- (1) Stormwater Mains
750 mm in verge
900mm under road pavement

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Street Drainage

- (1) Street Mains
600 mm in road reserve (verge or under road pavement)
- (2) Consumer services
600 mm in road reserve (verge or under road pavement)

Traffic Signals, roadway lighting and Intelligent Transport Systems (ITS) cables

- 1. Traffic Signals MRWA Specifications 712
 - (1) Street Mains
600-800mm in verge or under road pavement
 - (2) Detectors
35 mm in carriageway asphalt
300mm in verge encased in PVC conduit
- 2. Roadway Lighting MRWA Specification 701
600 mm in verge or under road pavement
- 3. ITS Cable Conduits MRWA Specification 704
600 mm in verge or under road pavement

** Utility Provider Code of Practice for Western Australia

- (2) Alignment of pipe from property line shall be determined by the Director, Engineering and Works.
- (3) Maximum length of excavation to be opened at any one time shall be 500m for rising sewer main or 200m for gravity sewer main in any 2 kms. Length and conditions for other types of construction to be determined by the Director, Engineering and Works.
- (4) Stockpiling of any excavated materials other than immediately adjacent to the excavation shall be on approved sites only.
- (5) Clay, stone or any other similar material shall not be reinstated in any trench within 1m of the edge of the existing road. Such material shall be disposed of to the satisfaction of the Director, Engineering and Works. Replacement material shall be clean sand.
- (6) Roads without approved alternative access must be kept open to traffic at all times.

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- (7) Roads must be kept open to traffic at all times and any road crossings must be constructed with approved deviations where directed.
- (8) Notification in writing shall be given at least 2 weeks prior to the closing of any road to traffic. Such notification shall also be forwarded to the Commissioner of Police, TransPerth, WA Fire Brigades Board and the St John Ambulance Association. This should include a Traffic Management Plan (TMP) prepared in accordance with Main Roads Traffic Management for Works on Roads Code of Practice and AS 1742.3.
- (9) Road closures shall be kept to a minimum and every cut shall be backfilled and made trafficable immediately pipe laying has been completed.
- (10) Reinstatements of roads shall be carried out accordance with PSEW11 Road Construction Standards at the Contractor's expense.
- (11) Cultivated lawns shall be removed for the full top width of the excavation by cutting with a sodding machine and the sods neatly stacked in a manner to ensure the maximum possible preservation of the lawn. After completion such lawns shall be reinstated as near as practical to their original condition.
- (12) Reinstatement of any cultivated area shall be carried out to the satisfaction of the Director, Engineering and Works.
- (13) The Contractor shall make adequate provision for all traffic using the road, verge or footpath and shall erect such barriers, warning signs, lights, and any other warning device as is necessary to safeguard all traffic and accept all liability in connection with the works covered by this approval, and will indemnify the Council against all actions, claims and demands made by any person or persons for injuries or damage suffered by him or them by reason of non-compliance or non-observance of the conditions and precautions in this clause contained.
- (14) Dewatering plants operating beyond the hours of 6.00am to 6.00pm shall be electric powered if situated within 1km of a residential area.
- (15) Notification shall be given in writing to the Director, Engineering and Works at least 5 days prior to the commencement of work or recommencement of work after any prolonged cessation of the works.
- (16) In the case of any breach of the aforementioned conditions, the works required to comply therewith may be executed by the Council at the expense of the Contractor and in this regard a deposit as determined by the Director, Engineering and Works shall be lodged with the Council, prior to any excavation being opened up.