

I can clarify that Bow Brace, The Gangway, Fairlead Bend and Keel Close can be approved.

Compass Avenue would also be acceptable. However, Council resolved to replace the name Compass Avenue with Margaret Nix Avenue. I can advise that Margaret Nix Avenue would not receive approval as double barrelled names are to be avoided. First/given names are also not permitted. Although the name Nix Avenue could be considered, no details on this person were provided. The origin will ensure compliance with the GNC criteria for road naming. Please note that there is a preference not to apply this particular name as it is not in keeping with the 'Nautical Theme' for other road names in the area. If Nix Avenue is deemed appropriate (through clarification of the origin) the name could be approved for this subdivision or set aside (added to the reserve register) for future use in another area. The shire could also consider naming a park or building to honour Margaret Nix.

The name 'The Mooring' needs to be amended to Mooring Loop to reflect the road formation and to ensure that the name would not clash with the nearby road name The Gangway.

Therefore it would be most appreciated if you can advise the Town of Port Hedland's support for the name Mooring Loop and provide specific details regarding Margaret Nix and whether there is support for the name Nix Avenue or Compass Avenue which is the name preferred by the developer and Geographic Names.

As I mentioned above your urgent response would be most appreciated.

If you have any questions on this or any other naming matter please don't hesitate to contact us on 9273 7049 or by email at geographicnames@landgate.wa.gov.au

Kind Regards,
Therese Hadland

Geographic Names Section
Geographic Services Branch
Phone: 089273 7275. Fax: 089273 7674
therese.hadland@landgate.wa.gov.au

Email: GeographicNames@landgate.wa.gov.au

Website: www.landgate.wa.gov.au

Address: 1 Midland Square, Midland WA 6056

11.1.3 Ranger Services*11.1.3.1 Authorisation of Ranger (File No.: 19/01/0001)*

Officer Victor Birt
Senior Ranger

Date of Report 1 April 2009

Disclosure of Interest by Officer Nil

Summary

To consider gazettal of officers as Authorised Officer/Ranger to enable them to undertake various ranger functions.

Background

Kevin Allen has recently been recruited as Indigenous Training Ranger for the Town of Port Hedland commencing on 1 April 2009. Kerry Robinson will also be commencing with the Town of Port Hedland as a Casual Ranger shortly.

Consultation Nil

Statutory Implications

The Town of Port Hedland Rangers have authority to undertake legal action in relation to the listed legislation. In the day-to-day duties of the Officers however, specific delegation of that responsibility is required to allow them to undertake this function.

Policy Implications Nil

Strategic Planning Implications Nil

Budget Implications Nil

Officer's Comment

It is a requirement that Council authorise Rangers to undertake various duties on behalf of Council. Authorisation allows Rangers to carry out their duties and have full protection of the various Acts and Regulations, which they are required to enforce.

Rangers are required to be authorized under the following Acts and Regulations to carry out their functions:-

- Caravan Parks and Camping Act 1995 - appointed as Authorised Persons and to prosecute on behalf of Council for the purpose of the Act and Regulations.

- Dog Act 1976 and Regulations (as amended) – appointed as an Authorised Persons for the purpose of the Act and prosecute on behalf of Council.
- Dog Act 1976 and Regulations (as amended) - appointed as Authorised Person for the purpose of the Act and effect the registration of dogs.
- Control of Vehicles (Off Road Areas) Act 1978 and Regulations - appointed as Authorised Persons and to prosecute on behalf of Council for the purpose of the Act.
- Litter Act 1979 and Regulations - appointed as Authorised Persons and to prosecute on behalf of Council for the purpose of the Act.
- Bush Fires Act and Regulations - appointed as Bush Fire Control Officer and Authorised officer to prosecute on behalf of Council for the purpose of the Act.
- Local Government Act (Miscellaneous Provisions) 1960 Part XX – appointed as Poundkeeper and Ranger.
- Local Government Act 1995 Part 3 relating to Executive Functions and Part 9 Miscellaneous Provisions.
- Town of Port Hedland Local Laws

Attachments

Nil

200809/299 Council Decision/Officer's Recommendation

Moved: Cr J E Ford**Seconded:** Cr G D Bussell

That Council authorise or appoint as appropriate both Kevin Allen and Kerry Robinson, pursuant to the following provisions:

- a) the Caravan Parks and Camping Act 1995 section 17 (1), 23(11), - as an Authorised Person and to prosecute on behalf of Council for the purpose of the Act and Regulations;
- b) the Dog Act 1976 and Regulations (as amended) - as an Authorised Person and prosecute on behalf of Council for the purpose of the Act;
- c) the Dog Act 1976 and Regulations (as amended) - as a Registration Officer to effect the registration of dogs;
- d) the Control of Vehicles (Off Road Areas) Act 1978 and Regulations - as an Authorised Officer and to prosecute on behalf of Council for the purpose of the Act;
- e) the Litter Act 1979 and Regulations - as an Authorised Officer and to prosecute on behalf of Council for the purpose of the Act; and

- f) the Bush Fires Act 1954 (as amended) and Regulations as a Fire Control Officer for the purposes of Fire Prevention.
- g) the Local Government Act (Miscellaneous Provisions) 1960 Part XX - as a Poundkeeper and Ranger;
- h) Local Government Act 1995 Part 3 relating to Executive Functions and Part 9 Miscellaneous Provisions
- i) the Town of Port Hedland Local Laws

CARRIED 9/0

11.1.3.2 AWARE (All West Australians Reducing Emergencies) Survey Results (File No.: 09/11/0005)

Officer Darryal Eastwell
Manager Environmental
Health

Date of Report 8 April 2009

Disclosure of Interest by Officer Nil

Summary

Under the State Fire and Emergency Services Authority (FESA) AWARE program, the Town of Port Hedland and the Local Emergency Management Committee undertook a survey to discover the community's views on what they perceive to be the main emergency risks in their area.

The survey was sent out in early December 2008 and replies were received until the end of January 2009. The results of the survey have been collated.

Results derived from the survey will help to identify the perceived risks posed to the community, enable the development and updating of Emergency Management Plans, identify training requirements and assist with funding applications for Emergency Services in Port Hedland.

Background

In 2007, the Town of Port Hedland applied to FESA for funds to undertake an emergency risk management project and was subsequently granted \$29,040.

The purpose of the project is to undertake and promote community ownership of the emergency risk management process by involving the community and stakeholders in determining the risks within the community and identifying possible treatment options as required under SEMC Policy.

The program is facilitated through scholarship funding, a grant scheme and customised training in emergency management. Among other things, it provides funds for local governments to identify risks of emergencies and develop appropriate treatments to mitigate those risks.

The AWARE survey was distributed to approximately 25% of the community, key stakeholders and community groups in Port Hedland, South Hedland and Wedgefield.

1673 surveys were distributed and 125 (7.5%) survey responses were received.

The purpose of the survey was to identify the perceived concerns of the local community and key stakeholders so our LEMC will be able to formulate strategies to minimize the effects of those risks.

The top five risks for the Town of Port Hedland as perceived by the community and indicated in the community survey are:-

1. Cyclones
2. Severe Storms/High Winds
3. Transport/Serious Road Accident
4. Mosquitoes
5. Rural Bushfire

The top two risks were anticipated to rate highly in the results, given that Port Hedland is in a coastal area that is prone to Cyclones. The damage caused can be quite significant, as was evident after Cyclone George in 2007.

Mosquitoes, and mosquito borne diseases, were rated quite highly. This result is of interest, as the risk of MVE has increased in the Northern Parts of WA recently.

Participants were asked to list any other hazards in the community that were perceived to be facing their family, community or environment.

The information gathered will be relayed to the relevant services in Port Hedland for their information.

Some of the other issues which emerged as being of concern were:-

- Crime – including break-ins, burglary, gangs and violence
- Antisocial behaviour – particularly from the indigenous community
- Drugs and Alcohol
- Litter – including broken glass and general debris
- Dogs – strays and attacks on people and other animals
- Hospital capability in event of emergency
- Power, communication and water supply – risk of loss of power or contamination to water supplies
- Air borne dust

The participants were asked how the Town of Port Hedland could assist to improve the communities understanding of dealing with emergency situations.

Some of the suggestions included:-

- Fridge magnets with Emergency contact numbers
- Communication -
 - About the different agencies and their roles
 - The public's responsibilities
- Advertising in the media; TV, newspaper and radio
- Information pamphlets / packs / mail outs
- Community presentations or discussions where locals can get involved
- Free courses for the public – e.g. First Aid
- Town of Port Hedland to leave message with appropriate contacts on answering machine when no staff at offices
- Local paper to do a write up on each agency and the role they play and contact information over several weeks
- Cyclone Clean-Up – a general debris/waste clean-up as well as the green waste collection
- Volunteer groups – advertise and promote their services

There was a high level of expectation expressed by the community that the Town of Port Hedland should be involved in a range of emergency responses.

The community expressed that it placed high importance on the preparation of emergency management plans.

The community also placed a high value on most of the infrastructure or assets cited in the questionnaire, ranging from hospitals to commercial facilities, to national parks and wildlife to communication systems.

Consultation

Local Emergency Management Committee

Statutory Implications

While not a direct statutory requirement, the State Emergency Management Policy No. 2.5 *Emergency Management in Local Government Districts* identifies in paragraph 34 that 'the methodology Local Emergency Management Committees should follow includes undertaking the ERM process and identifying items relevant to the individual local community area for inclusion in the arrangements document'.

Policy Implications

Nil

Strategic Planning Implications

Key Result Area 3 – Community Development
Goal 6 - Community Safety

Strategy 2 : Adopt a community based emergency risk management process for the Town, and co-ordinate the development of response plans to natural disasters through the Local Emergency Management Committee (LEMC).

Budget Implications Nil

Officer's Comment

Upon collating the responses to the surveys, several issues were identified that may have affected the overall outcome of the survey and the response rate from the community:-

- The survey was distributed just prior to the Festive Season and as many people leave town during this time for holiday and family reasons, or are busy with end of year preparation the response rate was relatively low.
- Hedland has a transient workforce and accommodation issues so contacting the target population by mail out survey was less effective than planned.

If the Town of Port Hedland was to conduct this survey, or a similar survey in the future, it will need to be distributed at a different time of the year and distributed more broadly.

Attachments

Summary of AWARE Survey Results

200809/300 Council Decision/Officer's Recommendation

Moved: Cr A A Carter **Seconded:** Cr K A Howlett

That Council:

- i) endorse the results derived from the AWARE survey;
- ii) authorise the Local Emergency Management Committee to utilise the results from the survey for the review of Emergency Management Plans and Procedures and Risk Assessment Plans that are currently in place; and
- iii) endorse the development of fridge magnets with emergency contact numbers that can be distributed in 'Welcome to Hedland' packs.

CARRIED 9/0

ATTACHMENT TO AGENDA ITEM 11.1.3.2

SUMMARY OF AWARE SURVEY RESULTS

- 1673 surveys were sent to residents in Port Hedland, South Hedland, Wedgefield, Rural Estates and surrounding pastoral station
- 125 surveys were received (7.5%) and 36 surveys were 'Returned to Sender' (2.2%)
- The majority of the surveys in Wedgefield were undeliverable

- **Question 1**

In your opinion, which agency plays the most significant role in Emergency Management in our community?

The top five:

1. FESA
2. POLICE
3. SES
4. Ambulance
5. TOPH

- **Question 2**

From an Emergency Management point of view, which of the following areas do you consider the most needed in our community?

1. Prevention
2. Education
3. Planning

- **Question 3**

In your opinion, what is the value of developing Emergency Management plans for the community? (1 being not essential (low) and 5 being essential (high))

84% of responses considered the development of Emergency Management Plans essential (4-5)

- 1 – 0%
- 2 – 2.4%
- 3 – 11.2%
- 4 – 24.8%
- 5 – 59.2%
- Blank – 2.4%

- **Question 4**

What could the Town do to assist you to improve your understanding of dealing with emergency situations? (Written responses)

97 responses. The general trend:

- Fridge magnets with Emergency contact numbers
- Communication
 - About the different agencies and their roles
 - The public's responsibilities
- Advertising in the media – TV, newspaper & radio
- Information pamphlets / packs / mail outs
- Community presentations / discussions where locals can get involved
- Free courses for the public – EG. First Aid
- TOPH to leave message with appropriate contacts on answering machine when no staff at offices
- Local paper to do a write up on each agency and the role they play and contact information over several weeks
- Cyclone Clean-Up – a general debris / waste clean-up as well as the green waste collection
- Volunteers – promote / advertise

- **Question 5**

In your opinion, what is the probability of the following emergencies occurring in your community? On a scale of 1 – 5, of a list of emergencies occurring in the area (one low risk – five high risk)

The top five emergency situations that were considered the highest risk were;

1. Cyclones
2. Severe Storms / Winds
3. Transport / Road Accident
4. Mosquitoes
5. Rural Bushfire

The five emergency situations considered the least risk in the community were;

1. Earthquake
2. Exotic Animal Disease
3. Terrorism
4. Human Epidemic / Infectious Disease
5. Gas Pipeline Rupture

- **Question 6**

Are there any other risks facing your family, community or environment that you would like to list? (Written responses)

There were 50 responses. There were main trends were;

- ❖ Crime from the indigenous community including;
 - home invasion
 - burglary
 - rape
 - trespass
 - property damage
 - public drunkenness
 - drugs
 - abuse / violence
- ❖ Litter including;
 - broken glass
 - non-secured materials in a cyclone
- ❖ Water / Power supply – ability to cope in event of an emergency / contamination
- ❖ Hospitals – lack of doctors & ability to cope in event of emergency
- ❖ Dogs

- **Question 7**

In an emergency, many community assets may be at risk. How do you rate the following assets? (On a scale of 1-5)

The top five:

1. Hospitals, Medical Centres, etc
2. Utilities (e.g. Water, power, gas supplies)
3. Communication Systems (e.g. telephone, email)
4. Residential Buildings
5. Radio, Television, Signal repeaters

The bottom three:

1. Cultural, Religious and Commemorative Icons
2. National Parks & Wildlife
3. Educational Facilities

- **Question 8**

*Do you have any other comments regarding Emergency Management arrangements?
(Written responses)*

32 responses. Most of the responses were very positive and complimentary towards EM services. The other issues were:

- Communicating evacuation procedures to the community and holding regular drills
- LEMC decisions to be made public - published
- Everyone in the community to do their part when it comes to making the community cyclone ready – not expecting others (volunteers) to do everything for them
- Police & Ambulance response time to call-outs
- Marine volunteers & pastoral stations feel left out of EMP's
- Reverse beepers, noise etc affecting shift workers

DEMOGRAPHICS

- **Question 9**

Sex of survey participant

- **Males:** 53 (42.4%)
- **Females:** 34 (27.2%)
- **Family Effort:** 21 (16.8%)
- **Blank:** 17 (13.6%)

- **Question 10**

Appropriate age group of survey participant

- 18-24: 0 (0%)
- 25-30: 7 (6.5%)
- 31-35: 9 (8.3%)
- 36-45: 25 (23.1%)
- 46-55: 36 (33.3%)
- 56-65: 29 (26.8%)
- 66-75: 1 (.9%)
- 75-Over: 1 (.9%)
- Blank: 17 (13.6% overall)

- **Question 11**

*Are you aware of the emergency services available within the Town and how to contact them?
(Not all participants filled this part in and some filled in only a certain amount of boxes)*

- | | | |
|---------------------------|----------|--------|
| - Ambulance Service | Yes: 103 | No: 4 |
| - State Emergency Service | Yes: 99 | No: 8 |
| - Police | Yes: 105 | No: 2 |
| - FESA | Yes: 99 | No: 8 |
| - Volunteer Fire & Rescue | Yes: 88 | No: 19 |
| - Town of Port Hedland | Yes: 95 | No: 12 |

- **Question 12**

Are you currently involved in the emergency services either as a volunteer or professionally?

Yes:	11 (10.3%)
No:	95 (88.8%)
Previously:	1 (.9%)
Blank:	18 (14.4% overall)

11.1.4 Community & Economic Development Services**11.1.4.1 *Disability Access & Inclusion Plan 2008/09 (File No.: 03/01/0022)***

Officer Julie Broad
Manager Community and
Economic Development

Date of Report 11 March 2009

Disclosure of Interest by Officer Nil

Summary

To consider the revised Disability Access and Inclusion Plan 2008/09 designed to promote Access and Inclusion throughout the Port Hedland community.

Background

The Town of Port Hedland adopted a Disability Service Plan in February 1996 to ensure that Council's services, facilities and functions are promoted to people with disabilities and that people with disabilities can access and participate fully in Council's facilities, functions and services. The document was updated regularly, and a major review undertaken in 2008. This plan is now known as a Disability Access and Inclusion Plan (DAIP).

The Disability Services Act (1993) requires all public authorities, including Local Government Authorities; to prepare and implement a DAIP to ensure that people with disabilities can access their services and facilities.

Section 29 of the Disability Services Act (1993) requires all public authorities to report on the implementation of their disability services plan. Local Government Authorities are required to report on the status of their Plan in their Annual Report, and to the Disability Services Commission (DSC).

As soon as practicable after each 1 July the Commission must give the Minister a report on the effectiveness of disability access and inclusion plans, and the extent to which they have been complied with, during the year that ended on the preceding 30 June.

The Disability Discrimination Act (1992) protects any person considered under the Act to be disabled who is discriminated against because of their disability or imputed disability and any person who is an 'associate' of a person with a disability and that associate is discriminated against because of the other person's disability.

The Town of Port Hedland has developed a Plan for the Future for 2008-2013 through public consultations via Elected Member planning days, community surveys and workshops. While the whole of the Plan for the Future is relevant to the Disability Access and Inclusion Plan, much of this work is encompassed in the KRA3 – Community Development.

Consultation

- Disability Services Commission Board members (2)
- DCS Principal Officer
- DSC staff Port Hedland
- Families with disabilities
- Pilbara Kimberley Care Manager
- Wheelchair Sports WA Association
- "Wheel Thing" Blackrock Stakes competitor team
- Community-wide advertising of DAIP for comment
- Home & Community Care program coordinator
- Manager Corporate Support
- Administration Coordinator
- Community Development Officer
- Manager Building Services
- Maintenance Officer

Statutory Implications

All Local Governments within Western Australia are required under the Disability Services Act 1993 to lodge a Disability Access and Inclusion Plan annually. Compliance with this reporting is tabled in the WA State Parliament.

Policy Implications

DAIP can be accessed by the general public and for or by people with disabilities.

Strategic Planning Implications

Key Results Area 3: Community Development

Goal 3: Health

That the community has access to high quality health services and facilities and the Town is taking appropriate preventative measures to ensure a healthy environment.

Strategy 5

Review the Town's Disability Service Plan and undertake actions to improve access to all services and facilities.

Budget Implications

Adoption of the plan encompasses the provision of facilities such as access ramps/paths which will be identified in future budget considerations.

Officer's Comment

The Town of Port Hedland has completed a major review of the 1996 Disability Services Plan, resulting in the Disability Access & Inclusion Plan 2008/09. The latest review of the plan ensures that it is relevant and allows for accurate reporting as per the Disability Services Act requirements.

The DAIP will ensure that people with disabilities can access all information; services & facilities provided by the ToPH and are included in community activities like other community members.

Consultation and a workshop were undertaken in July 2008 with Perth-based DSC Board Members and senior officers, local DSC and Council staff, disabled clients and their families. This group is overseeing the revision, monitoring and implementation of the Disability Access & Inclusion Plan.

Public comment on the DAIP has been invited by advertisement of the review of the DAIP in the North West Telegraph in August 2008 and on Council's website.

A Disability Access and Inclusion Plan Community Consultation Group was established and the first meeting held in February 2009. A schedule of meeting dates has been set for the year. The group comprises agencies providing services to the disabled, community members, families with disabled members and Council officers including a staff member with mobility impairment.

Feedback from the consultations has been included in the revision of the DAIP.

A key component of the DAIP implementation plan is the training of Council's staff in the requirements under the Disability Services Act 1993 legislation to provide accessible services to the public.

Attachments

2008 Disability Access and Inclusion Plan

Officer's Recommendation

That Council:

- i) adopt the revised Town of Port Hedland Disability Access and Inclusion Plan 2008/09; and
- ii) notes that DAIP outcomes will be reported in the Town of Port Hedland Annual Report and Plan for the Future, and in an annual report to the Disability Services Commission for tabling in WA State Parliament.

200809/301 Council Decision

Moved: Cr G D Bussell**Seconded:** Cr A A Gear

That Council:

- i) adopt the revised Town of Port Hedland Disability Access and Inclusion Plan 2008/09; and

Council Function, Facility /Service	Barrier	Strategy
Swimming Classes	Availability of disabled teacher	Schedule appropriate teacher as required
SHAC	Pool access for wheelchair	Include ramp in refurbishment plans
JD Hardie Centre	Appropriate Equipment	Budget for equipment as advised by WA Disabled Sports Association
All	Some Staff untrained in dealing with disabled people.	Train staff
All	Access to information on disabled services and facilities.	Update Directory of Services (TOPH/DSC)

- ii) notes that DAIP outcomes will be reported in the Town of Port Hedland Annual Report and Plan for the Future, and in an annual report to the Disability Services Commission for tabling in WA State Parliament.

CARRIED 9/0

REASON: Council made the following amendments to the Town of Port Hedland Disability Access and inclusion plan:

Council Function, Facility /Service	Barrier	Strategy
Swimming Classes	Availability of disabled teacher	Schedule appropriate teacher as required
SHAC	Pool access for wheelchair	Include ramp in refurbishment plans
JD Hardie Centre	Appropriate Equipment	Budget for equipment as advised by WA Disabled Sports Association
All	Some Staff untrained in dealing with disabled people.	Train staff
All	Access to information on disabled services and facilities.	Update Directory of Services (TOPH/DSC)



TOWN OF PORT HEDLAND

DISABILITY ACCESS & INCLUSION PLAN 2008/09

Vision Statement

Port Hedland: A significant regional centre where people enjoy the lifestyle and natural environment and are proud to call home

Mission Statement

To enhance social, environmental and economic well-being through leadership and working in partnership with the community.

Our Goal in Disabilities Access and Inclusion:

To provide leadership for the Port Hedland community by encouraging and promoting the inclusion and participation of people with disabilities, their families and carers within Council's services, facilities and functional areas.

Background

The Town of Port Hedland adopted a Disability Service Plan in February 1996 to ensure that Council's services, facilities and functions are promoted to people with disabilities and that people with disabilities can access and participate fully in Council's facilities, functions and services. The document was updated regularly until 2003, and a major review undertaken in 2008.

The Disability Services Act (1993) requires all public authorities, including Local Government Authorities; to prepare and implement a Disability Access and Inclusion Plan to ensure that people with disabilities can access their services and facilities.

Section 29 of the Disability Services Act (1993) requires all public authorities to report on the implementation of their Disability Access and Inclusion plan. Local Government Authorities are required to report on the status of their Plan in their Annual Report, and to the Disability Services Commission.

As soon as practicable after each 1 July the Commission must give the Minister a report on the effectiveness of disability access and inclusion plans, and the extent to which they have been complied with, during the year that ended on the preceding 30 June.

The Disability Discrimination Act (1992) protects any person considered under the Act to be disabled who is discriminated against because of their disability or imputed disability and any person who is an 'associate' of a person with a disability and that associate is discriminated against because of the other person's disability.

The Town of Port Hedland has developed a Plan for the Future for 2007-2012 through public consultations via Elected Member Planning days, community surveys and workshops.

While the whole of the Plan for the future is relevant to the Disability Access and Inclusion Plan, the key focus of this work is encompassed in the Community Development portfolio.

Key Results Area 3: Community Development The development of a more vibrant, sustainable community is a key responsibility of the Town of Port Hedland.

Goal 3: Health: That the community has access to high quality health services and facilities and the Town is taking appropriate preventative measures to ensure a healthy environment.

Strategy 5: Review the Town's Disability Service Plan and undertake actions to improve access to services and all facilities.

The Plan is subject to annual review and may be amended and extended as priorities and needs change.

Key Achievements from the Disability Access & Inclusion Plan to date:

- Installation of a lift in the Civic Centre Upgrade
- Staff training in disability awareness and inclusion – now scheduled to occur on commencement and annually
- Production of a Booklet in conjunction with the Disability Services Commission: *Services Available to People with Disabilities, their Families and Carers in the Town of Port Hedland.*
- Life skills and social programmes for people with disabilities established through Home and Community Care
- Extensive consultation with people with disabilities on the Port Hedland Public Transport Study
- Civic Centre Reception Counter upgrade.

What does the Disability Access & Inclusion Plan Contain?

The plan includes:

- Information on Council functions, facilities and services (both in-house and contracted);
- A policy statement about Council's commitment to addressing the issue of inclusion and participation for people with disabilities, their families and carers;
- A description of the process used to develop, monitor, revise and implement the plan and the consultation mechanism with people with disabilities, their families, carers, disability organisations and relevant community groups;
- The identification of objectives and strategies to overcome barriers that people with disabilities identified during the consultation process;
- Identification of the officers responsible for the proposed strategies and completion dates;
- A method of review and evaluation of the plan; and
- Information about how the plan is being communicated to staff and people with disabilities.

1. RESPONSIBILITY FOR THE PLANNING PROCESS

A Disability Service Planning committee of Council was established in June, 1995 comprising of one Councillor, two people with a personal knowledge of disability issues, one person with professional knowledge of disability issues, and six Council officers, to oversee the development, implementation, review and evaluation of the plan.

In September 2008 Council re-established a Disability Access and Inclusion Community Consultation Group. This group is overseeing the revision, monitoring and implementation of the Disability Access and Inclusion Plan.

2. FUNCTIONS, FACILITIES AND SERVICES (BOTH IN-HOUSE AND CONTRACTED, PROVIDED BY THE TOWN OF PORT HEDLAND)

The Town of Port Hedland provides:

Services to Property Including:

- Construction and maintenance of roads, shared paths and cycle facilities;
- Land drainage and development;
- Waste Management
- Litter control and street cleaning;
- Planting and caring for trees;
- Numbering of buildings and lots;
- Street lighting;
- Emergency management including bush fire and cyclone preparedness, response and recovery procedures

Services to the Community Including:

- Ownership and management of outdoor active and passive recreational facilities; (see attached list)
- Ownership and Management of parks (see attached list)
- Ownership and Management of 2 cemeteries – the South Hedland Cemetery and the Pioneer and Pearlers Cemetery
- Ownership of the Gratwick Aquatic Centre and the South Hedland Aquatic Centre. The Aquatic Centres are managed by the YMCA.
- Ownership and Management of the South Hedland Library and the Port Hedland Library
- Ownership and Management of the Port Hedland International Airport;

- Ownership and management of the JD Hardie Recreation Centre
- Ownership of the Cooke Point Youth and Family Centre
- Ownership of community recreation facilities (see attached list)
- Ownership of the Port Hedland Retirement Village
- Sponsorship of the Pilbara Family Day Care Scheme;
- Citizenship ceremonies;
- Planning for services for people in the community;
- Ownership of the Town of Port Hedland Home and Community Care Service;
- Joint Management with DET of Matt Dann Cultural Centre;
- Ownership of the Courthouse Arts Centre and Gallery, contracted management of the CHAG
- Sponsorship of the Port Hedland Visitors Centre and Information services.

Regulatory Services Including:

- Planning of road systems, sub-divisions and town planning scheme;
- Building approval for any construction, addition or alteration to a building;
- Ranger services;
- Environmental Health Services.

General Administration Including:

- The provision of general information to the public;
- Lodging of complaints;
- Payment of rates.

Processes of Government Including:

- Ordinary and Special Council and Committee meetings;
- Electors meetings and Election of Council members.

3. Council Facilities in Port/South Hedland & Finucane Island

FACILITY	Owned by	Managed by	Leased by
Port Hedland			
Gratwick Aquatic Centre	ToPH	YMCA	
Port Hedland Youth & Family Centre	ToPH	PHY&FC Committee	Lease in process
Port Hedland Library	ToPH	ToPH	
Courthouse Arts Centre and Gallery	ToPH / PACDAC	ToPH / PACDAC / FORM	
Port Hedland Visitors Centre	ToPH	PHVC	
Clubs/Associations			
Port Hedland Tennis Club	ToPH	Tennis Club	Lease in process
Hedland Canine Club	ToPH	Hedland Canine Club	German Shepard Dog Association & Hedland Dog Club
Pilbara Aeromodellers Club	ToPH	Pilbara Aeromodellers Club	Pilbara Aeromodellers Club
Hedland BMX Club	ToPH	Hedland BMX Club	Lease in process
Port Hedland Yacht Club	ToPH	Port Hedland Yacht Club	Port Hedland Yacht Club
Scouts and Guides	ToPH	Scouts	Scouts
Port Hedland Pony Club	ToPH	Port Hedland Pony Club	Port Hedland Pony Club
Port Hedland Game Fishing Club	ToPH	PH GAME Fishing	
Port Hedland Golf Club	ToPH	PH Golf Club	PH Golf Club
Recreation Reserves			
Port Hedland			
Colin Matherson Oval	ToPH	ToPH	
McGregor Street Reserve	ToPH	ToPH	
Turf Club	ToPH	ToPH	
BMX	ToPH	ToPH	
Tennis Courts	ToPH	ToPH	
Skate Park	ToPH	ToPH	
South Hedland			
Skate Park	ToPH	ToPH	
Kevin Scott Oval	ToPH	ToPH	
Marie Marland	ToPH	ToPH	
Faye Gladstone Netball Courts	ToPH	ToPH	
Tennis & Bowls	ToPH	ToPH	
Parks			
Don Rhodes Mining Museum Park	ToPH	ToPH	
Port Hedland Community Park	ToPH	ToPH	
Leap Park	ToPH	ToPH	
Lions Park	ToPH	ToPH	
Captain Bert Madigan (MC) Memorial Park	ToPH	ToPH	
Pretty Pool	ToPH	ToPH	
Koombana Lookout	ToPH	ToPH	
The Spoil Bank	ToPH	ToPH	

Finucane Island Boat Ramp	ToPH	ToPH	
Port Hedland Town Park	ToPH	ToPH	
Sutherland St. Walk/Cycle Way	ToPH	ToPH	
Marapikurrinya Park	ToPH	ToPH	
Civic Centre Gardens	ToPH	ToPH	
Colin Matheson Oval	ToPH	ToPH	
Pretty Pool Park	ToPH	ToPH	
FACILITY	Owned by	Managed by	Leased by
South Hedland			
Recreation Facilities			
South Hedland Aquatic Centre	ToPH	YMCA	
South Hedland Library	ToPH	ToPH	
Matt Dann Cultural Centre	ToPH	ToPH	
Lawson Street Youth Centre	ToPH	Youth Involvement Council	Youth Involvement Council
South Hedland Skate Park	ToPH	ToPH	
JD Hardie Centre	ToPH	ToPH	
Club/Associations Facilities			
Finucane Island Recreation Club	ToPH	Finucane Island Club Committee	Finucane Island Club Committee/BHP have interest
South Hedland Bowling Club	ToPH	South Hedland Bowling Club	South Hedland Bowling Club
South Hedland Tennis Club	ToPH	South Hedland Tennis Club	
Port Hedland Pistol Club	ToPH	Port Hedland Pistol Club	
Port Hedland Sporting Shooters Club	ToPH	Port Hedland Sporting Shooters Club	Port Hedland Sporting Shooters Club
Hedland Kart Club	ToPH	Hedland Kart Club	Hedland Kart Club
Hedland Speedway	ToPH	Port Hedland Speedway Club	
Port Hedland Motorcycle Club	ToPH	Port Hedland Motorcycle Club	Port Hedland Motorcycle Club
Scouts	ToPH	Scouts	Scouts
Parks			
Shay Gap Memorial Park	ToPH	ToPH	
Daylesford Park	ToPH	ToPH	
Centenary Park	ToPH	ToPH	
Trumpet Way	ToPH	ToPH	
Kevin Scott Oval	ToPH	ToPH	
South Hedland Owners & Trainers Association	ToPH	South Hedland Owners & Trainers Association	South Hedland Owners & Trainers Association
Finucane Island Equestrian Reserve	ToPH	ToPH	Lease in Process

ACCESS POLICY STATEMENT FOR PEOPLE WITH DISABILITIES, THEIR FAMILIES AND CARERS

The Town of Port Hedland is committed to ensuring that the community is an accessible community for people with disabilities, their families and carers. The Town of Port Hedland interprets an accessible community as one in which all Council functions, facilities and services (both in-house and contracted) are open and available to people with disabilities providing them with the same opportunities, rights and responsibilities enjoyed by all other people in the community and with the same level of dignity and respect.

The Town of Port Hedland's understanding of disability is that provided by the Western Australian Disability Services Commission:

Disability is defined as any continuing condition that restricts everyday activities:

- Which is attributable to an intellectual, psychiatric, cognitive, neurological, sensory, or physical impairment or a combination of those impairments;
- Which is permanent or likely to be permanent;
- Which may or may not be of a chronic or episodic nature; and which results in;
- A substantially reduced capacity of the person for communication, social interaction, learning or mobility; and
- A need for continuing support services

Definition:

The term 'disability' refers to any permanent or temporary condition which affects a person's bodily or mental function. A disability may arise from a sensory, physical, psychiatric, medical, cognitive or neurological condition.

The disability can be temporary or permanent and can be of different levels of severity. It includes broad categories such as hearing impairment, vision impairment, learning disabilities, mobility disabilities, psychiatric disabilities and medical conditions.

The Town of Port Hedland considers that a disability may be of a temporary nature and that the access needs of people with a temporary disability will be considered as part of this plan.

Council believes that a community that recognises its diversity and supports the participation of all its members makes for a richer community life. Council recognises that people with disabilities are valued members of the community who make a variety of contributions to local social, economic and cultural life.

Council is committed to consulting with people with disabilities, their families and carers and where required, disability organisations, to ensure that barriers to access are addressed appropriately.

Council is also committed to working in partnership with local businesses to improve access to community facilities and services.

The Town of Port Hedland is committed to achieving the following outcomes:

Outcome 1: *People with disabilities have the same opportunities as other people to access the services of, and any event organized by, a public authority.*

- * Council will endeavour to be responsive and adaptable in responding to the barriers experienced by people with various disabilities, including people with physical, sensory, intellectual and psychiatric disabilities.
- * Council will ensure that all policies and practices that govern the operation of Council functions, facilities and services are consistent with Council's policy on access.
- * Council will ensure that all contracts for services to the community ensure that provision is made for access for people with disabilities.
- * Council will ensure that all planning processes will consider the needs of people with disabilities.

Outcome 2: *People with disabilities have the same opportunities as other people to access the buildings and other facilities of a public authority.*

- * Council will undertake a full access audit of all Council buildings and facilities, shared paths and kerbs, and pedestrian ramps and establish priorities for improvement.
- * These priorities and those identified during the consultations will be assessed along with other capital works projects and incorporated into existing capital works improvement program as appropriate. Modifications will commence, as funds are made available.
- * Council will undertake to liaise with developers to increase their awareness of the access requirements of people with disabilities.
- * To ensure an overall strategy for coordination and implementation of this plan is taken, all building and facility plans will be submitted to Council's Development Approval Group for discussion.

Outcome 3: *People with disabilities receive information from a public authority in a format that will enable them to access the information as readily as other people are to access it*

- * Council will endeavor to supply information about Council functions, facilities and services is written in clear and concise language and available in alternative formats.
- * Council will advertise the availability of information in alternative formats via the local media (newspaper and radio) and through Council publications. Formats will include large print, audio cassette, and computer disc – Information Technology Services.

Outcome 4: *People with disabilities receive the same level and quality of service from the staff of a public authority as other people receive from the staff of that public authority.*

- * Disability awareness training will be provided for all Council staff with training for public contact staff given the highest priority. All staff to have Disability Awareness Training on commencement and annually
- * Where required, Council will seek expert advice from the disability field on how to meet the various needs of people with disabilities.

Outcome 5: *People with disabilities have the same opportunities as other people to make complaints to a public authority.*

- Council will ensure that information is available in a clear and concise language, so residents can participate in any grievance processes. Information will be made available in formats to meet the needs of people with disabilities.
- Ensure that current grievance mechanisms are accessible for people with disabilities.
- Improve staff knowledge so they can receive complaints from people with disabilities.

Outcome 6: *People with disabilities have the same opportunities as other people to participate in any public consultation by a public authority.*

- * Council will ensure that information is available in clear and concise language on how residents can participate in decision-making processes, public consultations and grievance mechanisms.
- * Council will ensure that all Council and electors meetings are accessible and that the minutes from these meetings will be made available upon request in alternative formats.

DEVELOPMENT OF THE PLAN

Extensive public consultation and input from key disabilities agencies and groups was undertaken in creating the original Disability Services Plan in 1996.

A workshop was held in July 2008 with Disability Services Commission senior staff from Perth, the local area coordinator for the Disability Services Commission and Council Officers to discuss the Disability Access and Inclusion Plan and its implications for Council service areas.

An advertisement was placed in the community newspaper in September 2008 to advise residents that Council was reviewing their Disability Access and Inclusion Plan to improve access for people with disabilities and their families to Council functions, facilities and services. An invitation to participate in the Disability Working Group was included in this advertisement. The draft DAIP was also posted on Council's website for access by the community, with advice that a hardcopy could be sent to people on request.

Consultation meetings were held in July, August and September 2008 with people with disabilities, their families, carers, disability organisations, relevant community groups and council staff to discuss the barriers that people with disabilities and their families experience in accessing Council functions.

Ongoing Consultation

Consultation between staff and the community is ongoing to ensure that the Disability Access and Inclusion Plan remains relevant to the community and their needs.

The Town of Port Hedland's Community Development department, in consultation with the Disability Access and Inclusion Community Consultation Group is responsible for the monitoring and reporting on this Disability Access and Inclusion Plan.

5. OBJECTIVES AND STRATEGIES IDENTIFIED TO OVERCOME BARRIERS – All acronyms attached below Outcome 6.

Outcome 1:	<i>People with disabilities have the same opportunities as other people to access the services of, and any event organized by, a public authority.</i>
Objective:	Council to adapt and maintain services to ensure they are accessible to people with disabilities.

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE (COMPLETION of DATE)	WHO
Community Services				
* Library Services	*Limited range of resources specific for people with disabilities	Increase resources	Ongoing	MLIS
	*Obtaining information on what is available	Investigate developing information CD	Ongoing	MLIS
	*Library services not promoted to people with disabilities	Develop appropriate promotion strategy	Ongoing	MLIS
* Recreation Services	*Staff not sure how existing activities can allow a person with a disability to participate.	Staff Training	Ongoing	HR
	*Lack of recreational activities	*Employ a Recreation Facilitator for PWD	Ongoing	MRS
		* Provide information to clubs.	Ongoing	MRS

Outcome 1 (continued): *People with disabilities have the same opportunities as other people to access the services of, and any event organized by, a public authority.*

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES (COMPLETION DATE)	TIMELINE	WHO
*Service Providers	Lack of awareness	Develop booklet on services for PWD	Annual update	MCED
*Home & Community Care	Promotion and publicity and effective communication with other service providers	Continue to promote to service providers on HACC Promote HACC Social Centre Regularly network with Disability Services Commission	Ongoing Ongoing Ongoing	MCED MCED MCED
* Transport	Transport services limited in this region	Council to continue to actively lobby to improve transport.	Ongoing	MCED
* Parking for people with disabilities	People without ACROD card park in bays	Community Education campaign. Rangers to enforce Penalty to be promoted	Ongoing	SR
* Accommodation	No appropriate accommodation	Liaise with relevant Government agencies.	Ongoing	MCED
* Respite Services	Lack of respite services - particularly on weekends.	Liaise with relevant Government agencies	Ongoing	MCED
Services to Property				
* Domestic Waste Removal	People with mobility problems unable to bring 240ltr mobile garbage bins to kerb side	People with disabilities to be informed through various channels that alternative arrangements for removal of domestic waste can be made upon request. Information included in booklet on Services for PWD	Ongoing	MES

Outcome 2:	<i>People with disabilities have the same opportunities as other people to access the buildings and other facilities of public authority.</i>
Objective:	Council to ensure that Council offices and Chambers are accessible.

FUNCTIONS FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
Access within Council And Offices and Chambers				
Administration	Front counter too high for people in wheelchairs.	Counters modified.	Completed	MBS
Community Services/Facilities				
• Playgrounds	Lack of accessible playground within Local Government area.	Council to develop an integrated approach to the development of playgrounds and parks.	Ongoing	MID
		Council to design an appropriate playground with community/Hedland Community Living Association.	Ongoing Consultation expected	MID/ MCED
		Council to investigate indoor soft play area	Ongoing	MRS

Outcome 2: *People Access to buildings and facilities is improved.*

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
*South Hedland Aquatic Centre	No accessible toilet	Install accessible toilet	Completed	MRS
* Library (South)	Front doors of libraries too heavy. No accessible toilet	Accessible doors installed in upgrade Accessible toilet installed in upgrade	Completed Ongoing	MLIS
*Library (Port)	No accessible Toilet	Include in upgrade	Ongoing	MLIS
*Public Parks Gardens/	Lack of accessible toilets. Prickles/thorns puncture tyres. Lack of seating.	* To undertake public consultation to develop appropriate park facilities. * To prepare a time-line of forward works.	Ongoing	MPG/MID
* Street Lighting	Lack of lighting	Additional funding to be sought for new street lighting and associated annual costs.	Ongoing Funding sought. Lighting upgraded In 06/07 + 07/08. Program ongoing.	MES
* Port Hedland Youth & Family Centre	Kitchen not accessible No accessible toilet. Lack of clear signage.	Modify kitchen Install accessible toilet. Install signage.	Ongoing	MBS

Outcome 2: *People Access to buildings and facilities is improved.*

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
*Well Women's Centre	No accessible toilet. Entrance not accessible.	Ramp, accessible door Accessible toilet installed as part of library upgrade.	Ongoing	MBS
* Matt Dann Theatre Complex	Discussion with HSHS re: upgrade of the facility No loop system	Accessible toilet installed	December 2008	MDCC/ MCED
*Community Events	No supplier of Accessible Toilets. Ovals and sporting reserves not accessible	Liaise with hire companies to secure accessible event toilets or purchase accessible toilets plan events to include more accessible venues.	Ongoing	MCED
* Shared paths, Kerbs and pedestrian ramps	Shared paths and kerbs not consistently accessible Paths covered in sand No wheelchair access off paths to road Gravel surfaces not accessible No access to beach	Council to establish priorities for upgrade. Sweep paths Insert wheelchair access off paths at strategic points Build with appropriate materials Create accessible pathways to beach	Ongoing 05/06-07/08 path / kerb programs have improved access. Works ongoing Ongoing As requested + as per kerb/path upgrades As per path construction Program. Not commenced No budget	MID MES MES/MID MES MES

Outcome 2: *People Access to buildings and facilities is improved.*

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
* Road Crossings	Insufficient pedestrian islands.	Council to undertake an audit of all road crossings to establish priorities for upgrading.	Dec 2008 Throssell Rd upgrades ongoing Audits ongoing	MID
* Key Building/Services	Homeswest Building/Post Office/Caravan Park/ Police Station/ High School Banks/Western Power/Hotel/ Motel Accom./Primary Schools/	Council to liaise/lobby with other services to develop strategy i.e. joint ventures from building to Council controlled shared paths. Council to initiate awards for acc. places. Council to develop public awareness campaigns.	Ongoing	MBS/DAIPCCG
* Cemetery	No accessible parking bay Car park and pathways not accessible.	Develop a Cemetery Plan	Dec 2008 Latest upgrades include road and car park upgrades. New shade shelters accessible by wheelchair.	DTS / MID
*Courthouse Arts Centre and Gallery	No accessible toilet Entrance not accessible	Include accessibility in upgrade	Ongoing	MCED /CHAG
*Emergency Evacuation Centre's – JD Hardie/Cooke Point Youth and Family Centre	No accessible toilet Entrance not accessible	Upgrade Y&FC South's Evac centre now TAFE	Ongoing	MCED/MBS

Outcome 3: *People with disabilities receive information from a public authority in a format that will enable them to access the information as readily as other people are able to access it.*

Objective: All information about Council functions, facilities and services to use clear and concise language and to be made available in accessible formats.

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
Applies to all Council Functions, Facilities and Services	Information about all Council functions, facilities and services is not written in clear and concise language and not available in alternative formats	Council to develop policies that all its community information to be written in clear and concise language. Council to inform community in alternative formats. The following formats to be made available upon request: * large print * audio cassette * computer disc * brail	Ongoing Available in clear & concise print (local directory) and web. Public/ Corporate (i.e. Council) documents prepared in 'Arial' 12pt font. As requested & if available from town suppliers e.g. BRAILLE.	EA
	PWD not made to feel welcome	To include <i>People of all Abilities Welcome</i> on information where appropriate	Ongoing	EA/Staff

Outcome 4: *People with disabilities receive the same level and quality service from the staff of a public authority as other people receive from the staff of that public authority.*

Objective: Council officers to be equipped with information and skills to enable them to appropriately provide advice and services to people with disabilities.

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
Applies to all Council Functions, Facilities and Services	People with disabilities are not aware of how Council can support people with disabilities.	Regular update on what's new in Council to be provided in local paper and on Information Radio.	Ongoing	EA

Outcome 4 cont: People with disabilities receive the same level and quality service from the staff of a public authority as other people receive from the staff of that public authority.

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
		Council Information brochures to include a section about how the Council supports people with a disability.	Annually	EA
		Council information to include: <i>People of all abilities welcome</i> When promoting activities and events	Ongoing	MCED
		Council selection criteria for Identified positions to include that it would be desirable to have experience, knowledge or willingness to work with people with disabilities.	Ongoing	HR
	People with disabilities who have difficulty communicating find that staff use language and acronyms which are not easily understood.	Training to be incorporated with Equal Employment Opportunity Training.	Ongoing	HR
	In general people with Disabilities find that:	Disability Awareness Training to be included in Equal Employment Opportunity training. Staff induction training to include disability issues. Ongoing refresher training to be developed	Ongoing	HR
	* Staff appear to be unsure how to talk to someone with a disability.			

Outcome 4: continued *People with disabilities receive the same level and quality service from the staff of a public authority as other people receive from the staff of that public authority.*

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
	<ul style="list-style-type: none"> * Staff appear embarrassed. *Staff do not know resources available * Staff assume that they cannot help *Staff assume only disability specific services can help *Staff address the carer not the person with the disability. 			

Outcome 5: *People with disabilities have the same opportunities as other people to make complaints to a public authority.*
Objective: People with disabilities to raise concerns and make complaints about any aspect of their services.

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
Administration *Information Services mechanisms are unknown.	Complaint and appeal information about planning Grievance procedure not known by staff Positive undertakings not known	Council to provide Promote grievance procedure to staff training Promote 'good things'	Ongoing Ongoing Ongoing	MIS/AC/CSO HR EA

Outcome 6: *People with disabilities have the same opportunities as other people to participate in any public consultation by a public authority.*
Objective: People with disabilities to have opportunities to participate in decision-making processes, public consultations and complaint mechanisms.

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
*Council Web Site	Council web site does not comply with Access Standards	Audit of web site and upgrade	Under review	DCS

Outcome 6:cont *People with disabilities have the same opportunities as other people to participate in any public consultation by a public authority.*

FUNCTIONS, FACILITIES, SERVICES	BARRIERS	STRATEGIES	TIMELINE	WHO
Government Processes				
*Council Meetings	Lack of information in appropriate formats about Council meetings and how residents can participate.	Procedures in clear and concise language and to make these available in alternative formats upon request.	Ongoing	EA
Regulatory				
Planning Process				
	Information about planning processes not available in alternative formats.	Information about planning processes to be provided in alternative formats.	As requested	MP
	Lack of auditory supports for people with hearing difficulties at planning meetings and Council meetings.	Council to advertise that it will provide auditory supports for those wishing to attend Council meetings. WA Deaf Society to be contacted regarding arrangements for an interpreter if required.	Ongoing	EA
		Council to investigate use of audio loop or other types of amplification for all meetings. Council to use local media	On request Can arrange for an aid (sign) to be avail. If reasonable notice is given.	EA
		including Information Radio and local papers to publicise its meetings and the availability of access for people with disabilities	Ongoing	EA

ACRONOYMS:

MLIS	Manager Library & Information Services
HR	Human Resources Coordinator
MCED	Manager Community and Economic Development
PFDC	Coordinator Pilbara Family Day Care
MRS	Manager Recreation Services
HACC	Home & Community Care Program Coordinator
RS	Coordinator Ranger Service
MBS	Manager Building Services
WM	Works Manager
MDCC	Matt Dann Cultural Centre
DAIPCCG	Disability Access and Inclusion Community consultation Group
DES	Director Engineering Services
MID	Manager Infrastructure & Development
DCRS	Director Community & Regulatory Services
DCS	Director Corporate Services
EA	Executive Assistant
CEO	Chief Executive Officer
TP	Manager Planning
PWD	People with Disabilities
MES	Manager Engineering Services
AC	Administration Coordinator
MIS	Manager Information Services

6. REVIEWS AND EVALUATION MECHANISMS**Review and Monitoring**

- The Disability Access and Inclusion Community Consultation Group will review progress on the implementation of the strategies identified in the Disability Access and Inclusion Plan.
- Outcomes will be reported in the Town of Port Hedland Annual Report and Plan for the Future, and in an annual report to the Disability Services Commission for tabling in WA State Parliament.

Evaluation

- Council endorsement of status reports on the disability planning process to be used in seeking feedback from the community.
- Each year Council, through the Disability Access and Inclusion Community Consultation Group, will provide advice to the community regarding the implementation of the Disability Access and Inclusion Plan and seek feedback on the effectiveness of strategies that have been implemented.
- In seeking feedback, the Working Group will also seek to identify any additional barriers that were not identified in the initial consultation.

- The Working Group will use some of the consultation processes used during the initial consultations including: questionnaires, meetings with people with disabilities and disability organisations.
- Elected members of Council and Council staff will also be requested to provide feedback on how well they believe the strategies are working and to make suggestions for improvement.
- Plans will be amended based on the feedback received and copies of the amended plan will be available to the community in alternative formats once endorsed by Council.
- Following Council endorsement, amended plans will be submitted to the Disability Services Commission on an annual basis.

7. COMMUNICATE THE PLAN TO STAFF AND PEOPLE WITH DISABILITIES

- Each year as the Plan is amended both staff and the community will be advised of the availability of the updated Plan through the Disability Access and Inclusion Community Consultation Group.

11.2 ENGINEERING SERVICES**11.2.1 Director Engineering Services***11.2.1.1 Engineering Services Monthly Report (File No.: 13/04/0001)*

Officer Terry Dodds
Director Engineering
Services

Date of Report 22 April 2009

Disclosure of Interest by Officer Nil

Summary

Council's Engineering Directorate has provided an update on the projects that they are currently managing.

Background

The Engineering Department is currently managing over 60 projects. The attached report is project management focused.

Consultation

Engineering Services officers.

Statutory Implications Nil

Policy Implications Nil

Strategic Planning Implications

The projects within the monthly report reflect the priorities of the Town's Plan for the Future 2008-2013.

Budget Implications

The projects listed in the Engineering Monthly report have been included in Council's 2008/09 budget.

Officer's Comment

Nil.

Attachments

1. Works Schedule
2. Recreation Update

200809/302 Council Decision/Officer's Recommendation

Moved: Cr K A Howlett

Seconded: Cr J M Gillingham

That Council receives the Engineering Services monthly report for March 2009.

CARRIED 9/0

7:15 pm Councillor Arthur A Gear left the room.

22/3/09 DES

FINANCIAL PROGRAMME FOR ENGINEERING SERVICES FOR THE PERIOD 1 JULY 2008 TO 30 JUNE 2009

Legend

	Concept & design development		Procurement/Tender
	Approvals/Services/Community Consultation		Construction/works undertaken

Cyclone Watch/Season

Officer	A/c Number	A/c Description	YTD Expenditure 9/4/09	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	COMMENTS
MES	1201441	Footpath Railings	\$9,072 (\$0)													Complete
MES	1201467	Throssell Street - BS	\$322,101 (\$4,253)													Asphalt completed 26 March. Landscaping/signs and median islands programmed after completion of asphalt w/e 27/3/09. Line markings also to be completed
MES	1201486	Wedgfield Upgrades - R2R Program	\$315,618 (\$2,300)													Completed.
MRS	1108269	Multi Purpose Sport & Recreation Facility Design	\$351,836 (\$22,719)													Master plan design accepted at Dec OCM. Final concepts were received 26th March, with internals now being determined. Once received, a Working Group Meeting will be scheduled, with community consultation to commence. Anticipated mid-April. Final report due August 2009. (Delay in design due to request for variation holds).
MES	1201464	Anderson Street Upgrade (West End Greening Stage 1)	\$62,412 (\$66,462)													Completed.
MID/MES	1201475	Port Hedland Footpath Construction	\$375,333 (\$591)													Completed.
MES	1201478	Reseals	0													Program to be reviewed since recent contractor price increase. Budget to be confirmed as varies from original submission (Check funding, possible misallocation). 5 year program. Need to review TOPH allocation ASAP. Completed asphalt w/e 3/4/09
MID/MES	1201444	Shoata Rd MRWA (fully funded by R2R)	\$49,747													Seal remainder of Hamilton to floodway. Depot crews carrying out preparation work (WE 22/8/08). Sealing by period contractors. To be completed prior to wet season. Sept budget review - reallocation of \$100,000 from Quartz Quarry road
MES	1201436	Quartz Quarry road	0													Project on hold pending future realignment of Quartz Quarry road with the construction of a grade separation over FMG's rail network on GNH. Funds to be transferred to Shoata road project 1201444 Sept budget review
DES	NEW	TWA project management	0													Design liaison with Hatch completed. Construction supervision commenced.

22/3/09 DES

FINANCIAL PROGRAMME FOR ENGINEERING SERVICES FOR THE PERIOD 1 JULY 2008 TO 30 JUNE 2009

Legend

	Concept & design development		Procurement/Tender
	Approvals/Services/Community Consultation		Construction/works undertaken

Cyclone Watch/Season

Officer	A/c Number	A/c Description	YTD Expenditure 9/4/09	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	COMMENTS
MID	1105424	Port Hedland Boat Ramp (potable water supply, lighting)	\$1,187 (\$5,800)													The proposed lighting along the boat ramp channel have been approved by PHPA and ordered from the supplier. Installation is still on schedule for end of May.
MID/MES	1201453	Hamilton Road RRG	\$105,758													Complete
MES	1204280	Pre Cyclone clean Up White Goods/Green	\$77,612 (\$441)													Advertising and signage - WE 15/8/08. Starting pickup at beginning of Sept. Green waste-Sept/Oct, Whitegoods-May/June
AM	1210475	PAPI	\$71,160 (\$71,616)													Installed, commissioned and in operation and a permanent data Notam issued which will morph into ERSA (En Route Supplement Australia). Works still remaining are technical and include control isolation from the tower, tested connection to the PAL system (Pilot Activated Lighting) and manual control box. Additional works to be carried out by management internally is the amendment of the Aerodrome and other relevant operational and maintenance manuals to eliminate all reference to T-Vasis to be replaced by PAPI.
AM	NEW	CBS security installation	0													Completed.
MID/MES	1009481	Cemetery Upgrade (Entry signage, lintels, kerbing, plot markers)	\$11,759 (\$3,840)													Remainder of project includes installation of plot markers and new concrete lintels (to be done by depot staff). Concrete contractor to complete at end of footpath construction project. Contractor commenced measuring up 2/4/09
MES	1201483	Nth Circular Rd East Culverts RRG	\$56,696 (\$0)													Letter being sent to MRWA requesting carry-over / additional capital as there are insufficient funds. (Design completed 2005/06: cost escalation). Subject to March Budget Review, we will lose funding from Main Roads due to project not being completed by 30 June.
AM	1210474	Air-conditioning upgrade - Airport	\$4,217													Completed
MID/MES	1111446	Playground Equipment (Colin Matheson & Kevin Scott oval) \$231,844	\$221,083 (\$26,979)													Solar lighting has arrived. Depot staff to install at Kevin Scott oval.
AM	1210476	Apron Lighting	\$27,272 (\$5,455)													Solar taxiway and runway lighting - application for RADS assistance funding for this project has been submitted. Main apron lighting - Prisma 1C lamps ordered and will be installed on arrival. RADS assistance funding was granted but the project development was not recorded. Savings in this area are expected to be considerable.

22/3/09 DES FINANCIAL PROGRAMME FOR ENGINEERING SERVICES FOR THE PERIOD 1 JULY 2008 TO 30 JUNE 2009

Legend

	Concept & design development		Procurement/Tender
	Approvals/Services/Community Consultation		Construction/works undertaken

Cyclone Watch/Season

Officer	A/c Number	A/c Description	YTD Expenditure 9/4/09	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	COMMENTS
AM	1210478	RESA Extension	\$38,890 (\$24,200)													Research has validated that we do not have to extend the RESA's to 240 metres. Only to 90 metres, which requires and extension of 60 metres to the existing 30 metre end of each flight strip. This will result in savings of about \$1,000,000. Depot is to commence carting of fill within two weeks and project should be completed before June 30.
AM	1210473	Electrical upgrade	\$292,478 (\$21,135)													Completed save for variation re Hedland Riders Lease (Terminal electrical upgrade).
MID/MES	1201490	Sutherland Street Upgrade (PHES) - Nodes	\$298,436 (\$12,581)													Project almost finished. Palms, grass and furniture programmed. Roofs to be installed week commencing 6/4.
AM	1210465	Solar Lights	\$0 (\$0)													Currently in consultation with the Green Solutions Group to supply Avlight solar units as the test bed as per Council request. The lamps sourced will give us the best return for dollars spent. Each unit includes a recording card that measures the carbon footprint which will be essential under the proposed emissions trading scheme (ETS)
MID/MES	1201476	South Hedland Footpath Const	\$111,902 (\$0)													Footpath contract has been extended to 31st December 2009 as per Jan OCM. Program has been reviewed: Bottlebrush (complete), Pettit (complete), Smith (complete), Stanley (complete), Entalina (complete), Etrema (complete), Pell (complete). Beroona, Steamer, Corboys, Somerset, Barrow, Pedlar, Traine, Huxtable, Haig, and Wambiri ongoing
MID	1201481	Walkway/Park Lighting	\$346,594 (\$9,750)													Works schedule is on track pending receiving 1 more quote from Horizon Power. EPA enquiry process commenced regarding the installation of lighting along the foreshore path between Gratwick pool and All Seasons hotel.
MRS	1108273	SH Sports Precinct Masterplan	0													Allocated to 1108269
MID/P&G	1111265	Reticulation - Survey Pickup	\$13,557 (\$0)													Completed Stage I.
DES/MES	1111282	Native Plant Nursery	\$105,524 (\$9,038)													Establish and create removable structure and associated infrastructure. P&G supervisor producing procure plan. Equipment (i.e. potting benches etc), parts ordered - Due by end Jan. Roofing to be installed in March. Ordering seeds and other consumables. Concreting commencing 18/3.
MRS	1108416	Sports Facility Upgrade Program (Sheds - McGregor Street and Marie Marland Reserve)	\$6,496 (\$83,082)													Sheds have commenced construction week beginning 30/3/09, 50% completed

22/3/09 DES FINANCIAL PROGRAMME FOR ENGINEERING SERVICES FOR THE PERIOD 1 JULY 2008 TO 30 JUNE 2009

Legend

	Concept & design development		Procurement/Tender
	Approvals/Services/Community Consultation		Construction/works undertaken

Cyclone Watch/Season

Officer	A/c Number	A/c Description	YTD Expenditure 9/4/09	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	COMMENTS
MID	811494	Don Rhodes Mining Museum (lighting, fencing and crackerdust around exhibits)	\$2,242 (\$0)													Fencing tender awarded to Boundaries WA, contract documentation being finalised. Horizon Powers review of lighting design is complete and order raised to undertake works. Lighting installation may not be completed by end of financial year due to HP constraints. Delay caused by budget uncertainty and fencing costs/tender.
MID	1208443	Light Vehicle Replacement	\$223,724 (\$0)													All vehicles have now been replaced. Old vehicles to be sold by public auction in May.
MID/MES	1201473	Drainage Construction	\$44,816 (\$22,785)													Surveyors to be commissioned to prepare plans for Port Hedland LIA in order to design future drainage construction works.
MID/MES	1201491	Schillaman Street Drainage	\$280,582 (\$7,291)													Completed.
MID	1201487	Street Lighting Upgrades	\$318,555 (\$752,817)													Koombana and Daylesford lighting is complete. Upgrades for Steamer and Captains programmed. (Additional funding received from CLGF of \$270,000. Quotes requested for Scadden, Koolama, Dulverton, Kabbarli, Dongara. See "New projects" below). Original project scope is on track for completion by end of financial year.
MRS	1106430	GAC upgrades	\$0 (\$4,395)													Items included in the upgrade identified, including signage, changetables, paving emergency buzzer installation, fan installation, locker purchases. Upgrades have commenced with completion expected by May 09. Date altered due to increased budget allowance for GAC.
MRS	1107430	SHAC upgrades	\$5,631 (\$23,486)													Items included in the upgrade identified, including changetables, playground shade, locker purchases and filters. Upgrades have commenced with completion expected by May 09. Date altered due to increased budget allowance for SHAC.
MID	1204289	Gt. Northern Hwy - Street Lighting (Main Roads project with Council contribution)	0													Revised quote from Horizon Power is 150% of original quote. Seeking clarification from HP for cost increase. Budget allocations from Council and MRWA unlikely to be adequate. Investigating options.
MID/PDO	1111448	Kevin Scott Oval Reservoir Flushing System	\$4,767 (\$0)													3 conforming tenders and 1 late tender received. Due to 'design' element of tender requirements each tender is very different and requires further assessment, including feedback from Water Corporation. Staff are continuing to liaise with tenderers and Water Corporation to achieve the best outcomes for the project. Flow rate investigations of current system required to assess tenders. To be presented to Council May OCM for approval.
MRS/MES	1111437	Recreation Reserve Development	\$4,863 (\$4,215)													Non-conforming tenders received in Dec have meant change in project delivery. A revised construction program will be initiated, with tenders to be split into separate design and construct. Design tender to be called in March 09 for presentation to April OCM. Construction to commence 09/10.

22/3/09 DES FINANCIAL PROGRAMME FOR ENGINEERING SERVICES FOR THE PERIOD 1 JULY 2008 TO 30 JUNE 2009

Legend

	Concept & design development		Procurement/Tender
	Approvals/Services/Community Consultation		Construction/works undertaken

Cyclone Watch/Season

Officer	A/c Number	A/c Description	YTD Expenditure 9/4/09	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	COMMENTS
MCED/MRS	1104411	JD Hardie upgrade (capital purchases only. Building being undertaken by MCED)	\$39,762 (\$295,111)													All works completed, excluding kerbing and line-marking. Estimated to occur in April 2009. Will request transfer of funds through to C&ED following completion.
MID/MES	1201443	McGregor Street RRG (Condon street to Cooke Point road)	0													Program includes the extension of asphalt 2m towards skate carpark and asphalt overlay of McGregor street from Clarke street to Cooke Point road. Construction work to be undertaken by Council's period contractors (Pioneer as per Wedgefield upgrades). RRG approved funding alterations - \$39,000 to be reallocated to Hamilton road RRG. Commencing 28/3/09
MID/MES	1201455	Anderson Street RRG	\$2,151													Frewer to Howe - drainage & asphalt overlay. Works undertaken by Council staff and period contractors (Pioneer as per Wedgefield upgrades). Pioneer unavailable, BGC to do work. Commencing 28/3/09
MES	1110278	Sportsground Surface Repairs	\$42,620 (\$0)													Marie Marland, Kevin Scott and MacGregor St ovals' surface: Project complete.
MID/MES	NEW	Throssell St Asphalt overlay (funky red)	0													3 stages - repair of interface between concrete & road, profiling end & side connections, asphalt overlay. MES obtaining quotes form Pioneer. Start 26-28th March.
AM	NEW	Departure Lounge Modifications	0													Move walls / fix departure lounge to be done on hourly rates - design tech to do the drawings. DES / MAO meet with third Airline to discuss. Response unfavourable, will proceed with plan A. Builder assisting with PMP/Schedule/estimate.
MID/MES	1203440	Floodwater Pump Upgrade - Elec Shelter	\$3,483 (\$0)													Request for quote documentation was assessed by an independent electrical contractor to ensure all project requirements are met. Project being split into 'Design' and separate 'Construction' component. Risk that electrical contractors would view 'project risk' too high without separate design and construction components (AKA Colin Matteson Oval problem)
MES	NEW	Cooke Pt Dve Drainage (footpath area)	0													Have acquired Dial Before You Dig info. Work commenced on 04.02.09 (delayed due to rain). Completed.
MID/MES	1004410	Septage Ponds (construct new septage ponds at SH Landfill)	\$139,971 (\$155,415)													Construction will now be undertaken under contract since the resignation of Council's Construction Supervisor. Designs to be reviewed: commenced 23 March. Ahead of schedule, due to complete in May
MID/MES	1111436	Bore Installations	\$4,740 (\$2,182)													Bore installation investigations have resulted in price estimates ranging from \$139,000 to \$1,250,000 per bore (project is for 2 bores). The project will be rescoped so that the first stage is for investigation works only to determine the depth, quality and quantity of groundwater. Once complete we will be able to tender prices for bore installations and expect to receive more realistic/accurate prices.

22/3/09 DES FINANCIAL PROGRAMME FOR ENGINEERING SERVICES FOR THE PERIOD 1 JULY 2008 TO 30 JUNE 2009

Legend

	Concept & design development		Procurement/Tender
	Approvals/Services/Community Consultation		Construction/works undertaken

Cyclone Watch/Season

Officer	A/c Number	A/c Description	YTD Expenditure 9/4/09	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	COMMENTS
AM	NEW	Café Modifications	0													Café modifications. To be programmed after alterations to scope OCM Jan. Possibility that cafe may move due to extension of terminal, so project put on hold
MID/MES	1201458	Throssell Street Streetscape	\$3,300 (\$11,474)													Trees due for delivery first week in May. Lawn and shrubs have been ordered. Works still on schedule with path stencilling and artificial turf in medians to be completed in April. Banner pole installations may be deleted due to significant cost of changing banners due to height and traffic restrictions (\$2,000 each time). Banner poles can't be designed to 'fold down' due to wind loadings.
MID/MES	1201438	West End Greening Stage 2	\$17,297 (\$77,178)													Plants available for delivery however on hold until end of month when reticulation will be complete in Depot nursery. Works commenced clearing site for planting.
MID/MES	1111435	Stairway to the Moon	\$25,318 (\$2,471)													Staff waiting on clarification of Heritage Survey requirements regarding authorised consultative parties. Final project costings including heritage survey, dune rehabilitation, car parking and project management not previously costed in project have resulted in additional \$202,045 required. Grant applications have been submitted to Coastwest and Royalties for Regions - Pilbara Regional Grant Scheme. Project can't proceed until funding secured, as funding won't apply if project has commenced.
MRS/DES	1109455	Colin Matheson clubrooms	\$5,445 (\$10,925)													DSR awarded funding to ToPH on 30th March. Tender for Design and Construction can now be called, and will be done 18th April 2009 (following Easter). Information included in tender will ne geotechnical information (received 10th March) and site survey (to be undertaken week of 6th April). Tender to be May presented to May OCM. Will be C/F due to Funding dates
MRS	1109450	Colin Matheson Oval Upgrade	\$22,000 (\$6,000)													\$42,450 allocated to 1108416 (Sheds). \$48,050 allocated to 1108420 (Hawks Clubrooms).
MID/MES	1201450	Boulevard Tree Planting	\$1,154 (\$36,300)													Trees to be delivered end of April. Project on schedule.
MRS/MID/MES	1201440	Cycleway development	\$340 (\$0)													Working Group meeting held - items to commence include Cycle Loops, footpath signage and spot improvements. Item to Council with regards to the potential tender for the Design of the path between Port and South Hedland. Stage 1 approved as per plan and going to council.
MID/MES	1105410	Finucane Island Boat Ramp (widen ramp, increase gradient, reduce silt)	\$21,407 (\$136,435)													Construction scheduled to commence 20th April (tides are low 24th). Media release and signage to be prepared to advise of boat ramp closure (approximately 10 days). Procurement finalised 11/3/09. Project management delivery plan complete 11/3/09. On schedule.

22/3/09 DES FINANCIAL PROGRAMME FOR ENGINEERING SERVICES FOR THE PERIOD 1 JULY 2008 TO 30 JUNE 2009

Legend

	Concept & design development		Procurement/Tender
	Approvals/Services/Community Consultation		Construction/works undertaken

Cyclone Watch/Season

Officer	A/c Number	A/c Description	YTD Expenditure 9/4/09	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	COMMENTS
MRS	1108420	Recreation Facility Upgrade (Diamond 1 Backnet and Hawks clubrooms)	\$22,873 (\$0)													Clubrooms - SRO and BMO liaising to ensure completion by May 09. Currently sourcing quotes for full installation. Backnet - Procurement commenced. 4 weeks behind schedule.
MID/MES	1004410	Recycling Shed at SH Landfill	0													Tender rejected at January OCM. Tender to be re-advertised as per Council resolution mid to end April. Tender closing on 13th May, to be presented at May OCM. Project will be carried forward to 2009/10 due to tender delays.
MID/MES	1105426	Turtle Boardwalk	\$7,500 (\$65,000)													Revised project scope approved and project delivery handed over to PDC at February OCM.
MRS	1107432	Pools Electrical Upgrades	\$75,903 (\$4,714)													Earthing at GAC and SHAC completed. SHAC having temporary light installed to determine suitability for increasing LUX to a sufficient standard (week of 6th April). Quotes have been received for remaining electrical items at GAC and SHAC, and are now being itemised.
MID/MES	1201437	Hedditch - Forrest Circle Rd	\$3,171 (\$0)													Design investigation on schedule with consultant scope redefined and investigation of existing stormwater data required to undertake drain crossing requirements.
MID/MES	1201433	SH link roads	0													Budget included in Hedditch link as per Sept budget review.
MID/MES	1201435	Cottier (Blackspot)	0													Project requirements to be clarified in comparison to future SHNL projects that may impact on drainage requirements on Cottier. This project is likely to be carried forward or possibility of funds reallocated pending Council and MRWA approval (TBA).
MID/MES	1201434	Cottier/Kennedy (Blackspot)	0													Budget reallocated to 1201435
DCRS/MID/MES	1201461	Town Entry Statement (landscaping component)	\$18,295 (\$173,380)													Designs completed and presented to Council April briefing session. Clearing and earthworks complete. Trees scheduled for delivery end April. Trees, seating, gazebo works can be completed prior to sculpture installation, however remainder of project is determined by completion of sculpture (refer Community & Economic Development)
AM	1210477	Grading of Drains	0													Programmed.
MID	1111439	Marquee Park Development	\$39,049 (\$3,864)													Detailed design preparation ongoing as scheduled. Update presented to Council March briefing. Doubt over project as scope now in question due to green belt and subdivision approval alteration by council. Proceeding at this stage.

22/3/09 DES

FINANCIAL PROGRAMME FOR ENGINEERING SERVICES FOR THE PERIOD 1 JULY 2008 TO 30 JUNE 2009

Legend

	Concept & design development		Procurement/Tender
	Approvals/Services/Community Consultation		Construction/works undertaken

Cyclone Watch/Season

Officer	A/c Number	A/c Description	YTD Expenditure 9/4/09	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	COMMENTS
MES	1201457	Yandeyarra Road	\$3,883 (\$16,800)													Formation & floodway improvements along full length of road to be undertaken by Council staff after cyclone season.
MES	1201489	Hillside/ Woodstock Road - RRG	\$7,841 (\$0)													Formation & floodway improvements along full length of road to be undertaken by Council staff after cyclone season.
MID/DES	1111446	Shadesails - Pulley system (\$110,000)	\$0 (\$4,730)													Confirmation received that design submitted is as required in the scope. Sourcing quotes for installation. Ordered placed for pulleys.
DES/DCRS	NEW	Airport Housing	0													In consultation with the Green Solutions Group re re-newable energy sources.
MRS/MES	1109451	McGregor Street Oval Upgrade	\$0 (\$39,896)													Geotechnical undertaken this month with report received. Results will be presented at the April OCM, with continuation of project to be determined. New item for 09/10 (McGregor Street Redevelopment) hinges on outcome of OCM
MID	1201488	R2R Program - Wedgefield Upgrades and Shoata	\$0 (\$1,038)													Programmed as per Council's 5 year plan - \$200,000 for Wedgefield upgrades (1201486) and \$139,000 for Shoata road (1201444). September budget review to reallocate funds to these accounts.
	NEW	Pinnacles Road Widening	0													Completed.
MID	NEW	Old Port Hedland Cemetery Verge Landscaping	0													Works proceeding as scheduled. Finalising quotes and availability of materials and contractors. Majority of works to be undertaken in-house by Parks & Gardens staff
Additional / Second Stage and Multi Schedule projects including Council resolutions																
MRS	4407413 1106413	Aquatic Centre Plant and Equipment	\$253 (\$87,749)													Funds reinstated in January 2009 after being removed from budget in November 2008. Plant and Equipment being purchased includes aqua run (order to be placed 6th April), shade sails (orders to be placed), diving boards (will be removed for inspection late April).
MRS	1106413	Pool Blanket														

22/3/09 DES

FINANCIAL PROGRAMME FOR ENGINEERING SERVICES FOR THE PERIOD 1 JULY 2008 TO 30 JUNE 2009

Legend

Concept & design development
Approvals/Services/Community Consultation

Procurement/Tender
Construction/works undertaken

Cyclone Watch/Season

Officer	A/c Number	A/c Description	YTD Expenditure 9/4/09	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	COMMENTS
MRS	1106413	Auto Cleaners														Funds provided as part of the Regional Grants scheme, with notification received on 26th Feb 09. Quotes have been sourced, with purchase due to be placed in week 13th April.
MRS	1104420	JD Hardie Centre Furniture and Equipment	\$17,769 (\$136)													Initial \$20,000 provided as part of budget, with additional funds provided as part of the Regional Grants scheme, with notification received on 26th Feb 09. Remainder to be utilised for wireless PA and meeting room furniture. Additional funds to be allocated towards the reinstallation of the cricket nets at the JD Hardie Centre.
MRS	1107430	SHAC Shade Sail														Funds provided as part of the CLGF - awarded 16th March 2009. Project to be undertaken as part of the SHAC Upgrade. Orders for 3 x shades completed. Sourcing quotes for shade over playground and area near base of pool.
MRS	1111433	Kevin Scott Oval - Clubroom Floors (and air conditioning?)														Funds provided as part of the CLGF - awarded 16th March 2009. Carpet at KSO to be replaced with tiles. Quotes to be sourced in April 2009 with estimated installation date May 09.
AM	1213420	Airport Cafe - Refrigeration	0													Understand that this funding has been removed.
MRS	1111437	Recreation Reserve Development														Non-conforming tenders received in Dec have meant change in project delivery. A revised construction program will be initiated, with tenders to be split into separate design and construct. Design tender called 4th April 2009. with presentation to Council in May 09. Construction to be undertaken in 09/10
AM	1210465	Solar Lights (Additional funding)														Council special meeting 16/3 resolved to input additional funding: scope being extended, now formal tender will be required (over \$100K)
MID	1201487	Street Lighting Upgrades 08/09 Stage II (CLGF additional funding)														Additional funding received to fastrack program. Although the full budget will be committed, this stage will be carried forward to 2009/10 due to Horizon Power scheduling. Captains way has been scheduled with HP. Koolama, Dulverton and Dongara quotes have been received and are pending signing of PO.
MID	1201411	Richardson street Parking														New project will be carried forward to 2009/10. Plan to liaise with BHP and Epcad regarding their West End development works to ensure synergy of designs.
MID	1105410	Finucane Island Boat Ramp shade														New project will be carried forward to 2009/10.
AM	1210466	Airport Parking Lighting	0													

22/3/09 DES FINANCIAL PROGRAMME FOR ENGINEERING SERVICES FOR THE PERIOD 1 JULY 2008 TO 30 JUNE 2009

Legend

	Concept & design development		Procurement/Tender
	Approvals/Services/Community Consultation		Construction/works undertaken

Cyclone Watch/Season

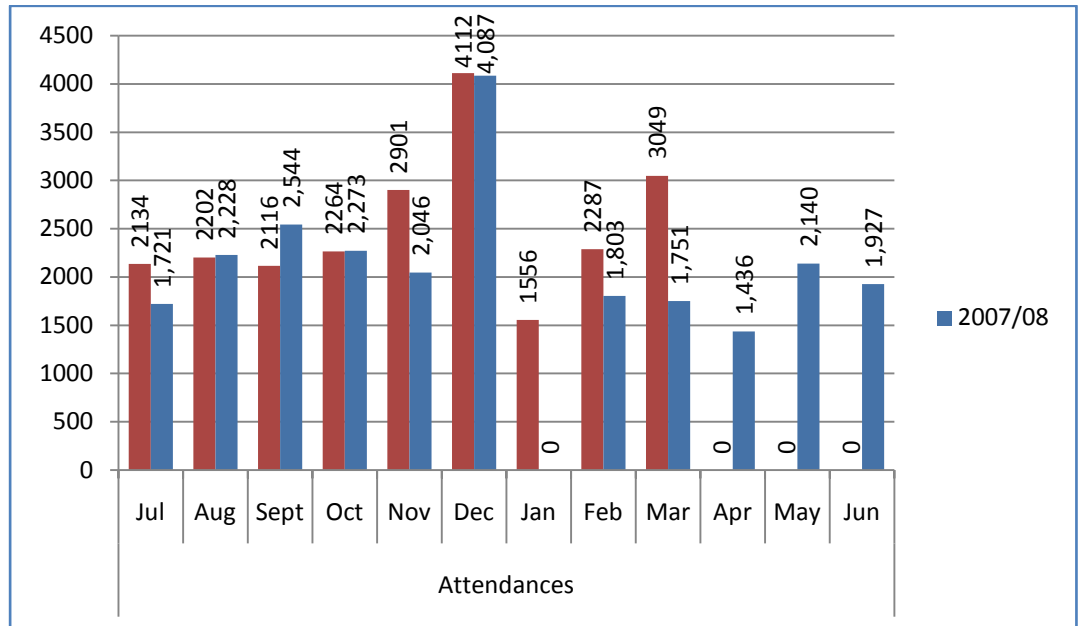
Officer	A/c Number	A/c Description	YTD Expenditure 9/4/09	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	COMMENTS
MRS	1108269	Multi Purpose Sport & Recreation Facility Design	\$351,836 (\$22,719)													Master plan design accepted at Dec OCM. Final concepts were received 26th March, with internals now being determined. Once received, a Working Group Meeting will be scheduled, with community consultation to commence. Anticipated mid-April. Final report due August 2009. (Delay in design due to request for variation holds).
MRS/DES	1109455	Colin Matheson clubrooms	\$5,445 (\$10,925)													DSR awarded funding to ToPH on 30th March. Tender for Design and Construction can now be called, and will be done 18th April 2009 (following Easter). Information included in tender will ne geotechnical information (received 10th March) and site survey (to be undertaken week of 6th April). Tender to be May presented to May OCM. Will be C/F due to Funding dates
MRS/MID/MES	1201440	Cycleway development	\$340 (\$0)													Project will commence 2009/10. Item will be presented to Council April regarding tender for design for Port to South Hedland, and scope for the upcoming year.
MRS	1106430	GAC upgrades	\$0 (\$4,395)													Items included in the upgrade identified, including signage (2 quotes sourced), emergency buzzer installation (quotes requested), fan installation (determining feasibility), locker purchases (obtaining quotes) . Date altered due to increased budget allowance for GAC.
MRS	1107430	SHAC upgrades	\$5,631 (\$23,486)													Items included in the upgrade identified, including changetables (purchased), locker purchases (obtaining quotes) and filters (awaiting sign-off). Upgrades have commenced. Date altered due to increased budget allowance for SHAC.

ATTACHMENT 2 TO AGENDA ITEM 11.3.1.1

Recreation Services

JD Hardie Centre

Attendances



Aquatic Centres

The monthly reports in full from the YMCA can be obtained by contacting the Manager Recreation Services.

YMCA Update

The YMCA are managing and operating both South Hedland and Gratwick Aquatic Centre's utilising the previous budget and management plan as the foundation. The new contract is being negotiated, and will exist for the remainder of the 2008/09 financial year. As no contract has been finalised, financial results have been measured against the 2008 budget.

South Hedland Aquatic Centre

Financials

Month	Actual \$	Budget \$	Variance \$
Income	20,358	18,561	1,797
Expenditure	53,833	52,769	(969)
Net	(33,475)	(34,208)	733

Year to Date	Actual \$	Budget \$	Variance \$
Income	63,843	56,044	7,799
Expenditure	182,811	161,625	(22,101)
Net	(118,968)	(105,581)	(13,387)

Attendances

Month	Swim	Aqua/Ed	School	Aqua	Program	Misc	Total
Jan	1544	194	0	0	0	2720	4458
Feb	900	302	68	0	14	2049	3333
Mar	1213	411	645	0	6	2946	5221
Total	3657	907	713	0	20	8094	13391

Gratwick Aquatic Centre

Financials

Month	Actual \$	Budget \$	Variance \$
Income	24,388	29,601	(6,852)
Expenditure	54,186	56,456	2,270
Net	(29,798)	(26,855)	(2,943)

Year to Date	Actual \$	Budget \$	Variance \$
Income	46,485	51,116	(4,631)
Expenditure	114,079	112,996	(1,083)
Net	(67,594)	(61,880)	(5,714)

Attendances

Month	Swim	Health Club	Aqua/Ed	School	Aqua	Program	Misc	Total
Jan	3,920	485	0	397	85	361	492	5,740
Feb	2,466	517	468	104	68	93	1,089	4,805
Mar	2,739	595	398	1,066	73	926	1,186	6,983
Total	9,125	1,597	866	1,567	226	1,380	2,767	17,528

11.2.2 Infrastructure Development**11.2.2.1 *Boulevard Tree Planting Program (File No.: 21/05/0007)***

Officer Jenella Voitkevich
Manager Infrastructure
Development

Date of Report 9 April 2009

Disclosure of Interest by Officer Nil

Summary

This item is to obtain Council prioritisation for the proposed program of street tree planting in South Hedland.

Background

Council currently has a Boulevard Tree Planting project scheduled to commence in May 2009. The objective of this project is to provide tree lined boulevards, identifying the main corridors into South Hedland, whilst also providing shade to pedestrians. The first stage of this project is the planting of street trees along both sides of Cottier drive.

Although this project commenced in 2007/08 it has been delayed several times, mainly due to budget restraints and water supply issues. The project is now construction ready, pending the arrival of the street trees that were ordered in November 2008 and scheduled for delivery at the end of April 2009.

This project should not be confused with Council's street tree planting initiative, where individual residents are able to apply for a free street tree on the verge of their property.

Consultation

The proposed Boulevard Tree Planting program is consistent with Council's South Hedland Street Tree Masterplan, where the main corridors are identified separately to the suburb groups. The program also considers future South Hedland New Living Developments, where street tree planting will be carried out as part of the development.

Statutory Implications Nil

Policy Implications

The proposed program is consistent with Council's Policy 9/008 Verge Treatments, which refers to the street tree master plans for Port and South Hedland.

Strategic Planning Implications

Key Result Area 1 – Infrastructure

Goal 2 - Parks & Gardens: That Council's parks are recognised by the community as being well maintained, well utilised, safe and accessible.

Strategy 2 – Implement Council's street tree planting policy by:

- Developing treed boulevards along major thoroughfares
- Actively encouraging the planting and maintenance of verge trees in accordance with Council policy
- Ensuring that no trees are removed from public places by Council without the prior consent of Council

Budget Implications

The current budget for the Boulevard Tree Planting project is \$744,000 (account 1201450). This has been funded by the Town of Port Hedland, South Hedland New Living and BHP Billiton Iron Ore. The project is considered an ongoing program until all boulevards are treed. Any requests for additional expenditure will be considered during the annual budget process, however will not be required this financial year.

Council staff has submitted a funding application for the Royalties for Regions Pilbara Regional Grant Scheme for the proposed 2009/10 program. This has also been submitted to Council within the 2009/10 budget process. The proposal is to allocate \$280,000 to continue boulevard tree planting.

Officer's Comment

The development of street tree planting along Cottier drive has encountered many challenges. The original budget for the project was \$250,000, however a \$419,000 cost estimate received from Council's landscaping consultants resulted in the scope of the project being reconsidered. The estimate was based on external contractors undertaking the work, as Council did not have the resources at the time. The original scope required the trees to be reticulated and connected to mains water supply, however this has proven to be a costly exercise, particularly when it is expected that the trees would be self sufficient after a two year period. Water connection is also difficult on Cottier drive, as there is no mains pipeline present so connection is required off side streets, resulting in longer connections and possible reductions in flow rates. The location of tree planting along Cottier drive is potentially impacted by future South Hedland New Living subdivision works that may result in new intersections which will affect the tree planting locations. This has been considered in the planting design.

After consultation within Council's Engineering department it was decided that Council now has the appropriate staff and machinery to undertake the tree planting in-house, with some external plant hire. The issues with water connection costs can be overcome by installing the trees with a subsurface watering system that will be watered by water trucks when required. The first 3 months of watering is considered the project consolidation period and incorporated in the project budget. Further watering costs will be borne by Council's operational accounts.

This has resulted in a substantial reduction in the estimated budget, with Cottier Drive tree planting estimated to cost \$300,000. The budget reduction means that the remainder of the tree planting program can be fast-tracked. Tree planting sites need to be identified to allow planning and development works to proceed.

The following streets have been identified as the main corridors into South Hedland on Council's Street Tree Masterplan:

- North Circular Road
- Hamilton Road
- Murdoch Drive
- Cottier Drive
- Collier Drive
- Kennedy Street
- Parker Street
- Stanley Street
- Banksia Street
- Captains Way
- Masters Way
- Forrest Circle

These streets have been assessed to determine whether they are currently suitable for street tree planting development. The summary is below:

Suitable for Street Tree Planting Development

- Cottier Drive – currently programmed, due to commence May 2009.
- Murdoch Drive – Existing overhead power lines are scheduled for removal (underground) by Horizon Power by 30th June 2009. This will leave adequate clearance on both sides of the road for tree planting. An additional row of trees can be planted next to the footpath. Tree planting along Murdoch Drive will compliment the proposed Nodes project which has been submitted for funding and 2009/10 budget approval.
- Hamilton Road – tree planting will be largely impacted by existing overhead power lines, however the program can include the start of the road (near Great Northern Highway intersection) only to balance the existing trees on one side.

- Banksia Street – Tree planting will compliment the subdivision landscaping which will be completed within the next few months (Murdoch to Kennedy only).
- Masters Way – sufficient verge width and underground power will have no impact on tree planting. Small SHNL subdivision will be accommodated within design.
- Captains Way – sufficient verge width and underground power will have no impact on tree planting.
- North Circular Road – planting needs to be located on the outside of the road shoulder and drain so as to not impact on traffic and ongoing maintenance works. This road would be considered a low priority.
- Collier Drive – sufficient clearance for tree planting however would be considered a low priority due to its location.

Not Suitable for Street Tree Planting Development

- Kennedy Street – current and proposed developments to vacant land along this road will result in significant tree planting on one side. The other side of the road contains existing residential lots, however overhead power lines restrict tree planting. There are some small sections of Kennedy Street that could accommodate tree planting in the future.
- Stanley Street – proposed developments to vacant land along this road will result in significant tree planting on one side. The other side of the road contains existing residential lots, however overhead power lines restrict tree planting.
- Parker Street – overhead power lines restrict tree planting development.
- Forrest Circle – significant tree planting existing. There is the potential to plant trees along the verge from Murdoch to Collier, however this could be addressed within the South Hedland CBD redevelopment.

Although the boulevard tree planting program should be flexible to accommodate changes in adjacent developments, outcomes from Council's Plan for the Future and removal of overhead power lines, it is important that the program locations are prioritized to accurately plan and budget the works. It is recommended that the following streets are prioritized for the Boulevard Tree Planting Program (pending future budget approvals):

1. Murdoch Drive
2. Hamilton Road
3. Banksia Street
4. Masters Way
5. Captains Way

The remainder of the streets will be reassessed upon completion of this program or if significant events occur to change their suitability.

Attachments

South Hedland Street Tree Master Plan

7:16 pm Councillor Arthur A Gear re-entered the room and assumed his chair.

200809/303 Council Decision/Officer's Recommendation

Moved: Cr S J Coates

Seconded: Cr K A Howlett

That Council approves the prioritisation of the following streets in the Boulevard Tree Planting program, pending adoption of Council's budgets in future years:

1. Murdoch Drive
2. Hamilton Road
3. Banksia Street
4. Masters Way
5. Captains Way

CARRIED 9/0

ATTACHMENT TO AGENDA ITEM 11.2.2.1

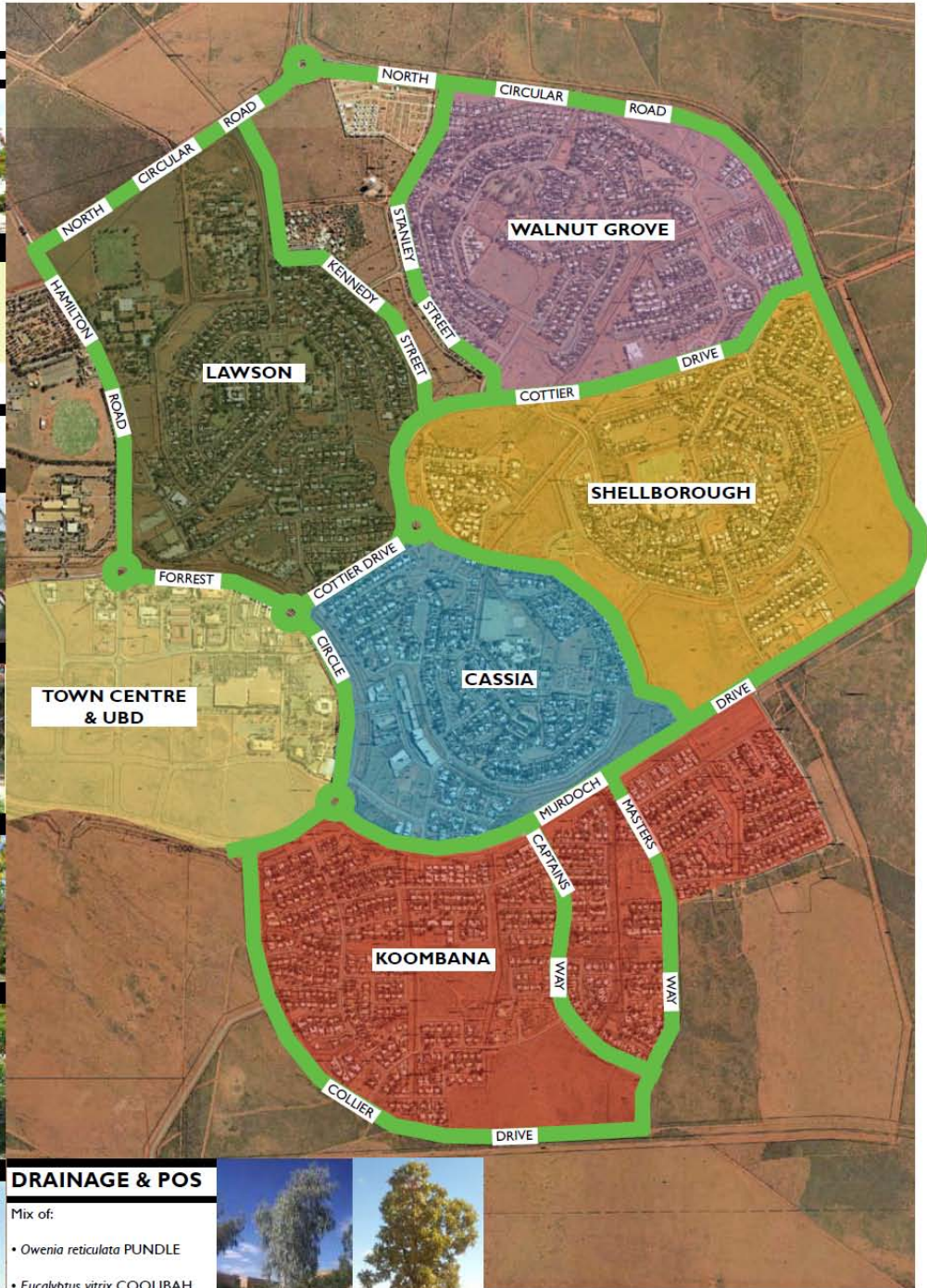
LEGEND

BOULEVARDS



Town Centre & UBD
Town Centre and UBD to be planted with a variety of Council approved exotic and native species reinforcing and contrasting with existing plantings.

RESIDENTIAL STREETS



DRAINAGE & POS

- Mix of:
- *Owenia reticulata* PUNDLE
 - *Eucalyptus vitrix* COOLIBAH
 - other endemic species



SOUTH HEDLAND STREET TREE MASTER PLAN

1:7500 @ A3
MAY 2008



11.2.3 Recreation Services*11.2.3.1 Town Cycle Plan Update (File No.: 26/14/0002)*

Officer Bec Pianta
Manager Recreation Services

Date of Report 15 April 2009

Disclosure of Interest by Officer Nil

Summary

The Town Cycle Plan Working Group has met and discussed all recommendations as endorsed by Council for year 1 (to commence July 2009). The purpose of this report is to advise Council of the works that will be undertaken and the progress to date.

Background

At the Ordinary Council Meeting on 26 November 2009, Council endorsed the Town Cycle Plan document, and resolved (in part) to commence the Year 1 recommendations.

At the Town Cycle Plan Working Group Meeting held on 5th March 2009, the Year 1 recommendations were reviewed, with resultant actions provided against each recommendation. The works and actions to be undertaken for the period 1st July 2009 – 30th June 2010 are therefore as follows:

Location	Type	Description	Action (Current 5 th March 09)
YEAR 1			
Shared Paths			
South Hedland	Central Open Space Spine	North Circular Road to Coppin Place (behind Caravan Pk) - off-road	MRS: Write to SHNL re: intentions. Determine possibilities / intentions.
South Hedland	Central Open Space Spine	Coppin Pl to Cottier Rd - off-road	ON HOLD – Decision laid on table at OCM
South Hedland	Central Open Space Spine	Cottier Rd to drain - off-road	
Port Hedland	Pretty Pool	Matheson to Panja (loop)	MID & PDO. Undertake following notification of Country Pathways grant
Port Hedland	Pretty Pool Connection: Styles Rd	Cooke Point Rd to Panja Pde (Pretty Pool)	COMPLETED
Port Hedland	Crawford St	McGregor St to Sutherland St	MID & PDO. Undertake
Port Hedland	Coastal path: Taylor Street	Athol St to Goode St	COMPLETED
Port Hedland	Coastal path: Goode Street	Taylor St to McPherson St	COMPLETED
Port Hedland to South Hedland Path			
Wedgefield	Wallwork Rd	North Circular Rd to Pinga St [Stage 1]	MRS: Create Agenda for April OCM to request the calling of tenders for the detailed design of a Port to South Hedland shared path. Include use of information already available through previous studies.
Wedgefield	Wedgefield to Great Northern Hwy	Pinga St: Great Northern Hwy to Anthill St [Stage 1]	
Port Hedland	Wilson St	Cooke Point Rd to Redbank Bridge	
Port Hedland	Wilson St	Redbank Bridge to Great Northern Hwy (Broome/airport Rd)	
Port Hedland	Great Northern Hwy	Great Northern Hwy (Broome/airport road) to Pinga St	
On-road Circuits			
Port Hedland	Western Circuit (5,400m)	Pavement logos (every 200m).	MRS & SRO: undertake in conjunction with Walk it Hedland, and in consultation with Main Roads WA and Cycling WA.
		Signs on posts (at every change of direction).	
Port Hedland	Eastern circuit (7,500m)	Pavement logos (every 200m).	
		Signs on posts (at every change of direction).	

Port Hedland	Combined Loop (Western + Eastern) (13,200m)	Pavement logos (every 200m).	
		Signs on posts (at every change of direction).	
		Pavement logos (every 200m).	
Port Hedland	Pretty Pool spur (7,000m)	Pavement logos (every 200m).	
		Signs on posts (at every change of direction).	
Port Hedland	all 3 (20,200m)	Pavement logos (every 200m).	
		Signs on posts (at every change of direction).	
South Hedland	South Hedland Loop (9,500m)	Pavement logos (every 200m).	
		Signs on posts (at every change of direction).	
		Map Panels (allowance for 5)	
Spot Improvements			
Port Hedland	Coastal Path	Parallel lines (denoting shared path route) at entrance to boat launching ramp at Capt. Bert Madigan Park	MRS & MID: Undertake
Port Hedland	Coastal Path	"Give Way" signage at Spoil Dump access road	
Port Hedland	Coastal Path	"Give Way" signage at Cemetery Beach park access road	
Port Hedland	Coastal Path	"Give Way" signage at beach access road (along Sutherland St)	
Port Hedland	"Bike lanes" on Anderson	Install edge lines on Anderson St between Short St and Wedge Street	
Bicycle parking			
South Hedland		At identified locations	MRS & SRO: Undertake
Port Hedland		At identified locations	

Consultation

During the development phase of the project, the following personnel were consulted:

Town of Port Hedland staff, including:

- Manager Recreation Services
- Chief Executive Officer
- Director Engineering Services
- Manager Planning Services
- Manager Infrastructure Development

Town Cycle Plan Working Group members, including:

- Cr Gear
- Cr Ford
- Cr Howlett
- Cr Bussell

Community members and stakeholders

Main Roads

As the project has moved into the development phase, the following personnel have been, and will continue to be, consulted:

Town of Port Hedland staff

- Manager Recreation Services
- Chief Executive Officer
- Director Engineering Services
- Manager Planning Services
- Manager Infrastructure Development
- Sports and Recreation Officer
- Project Development Officer
- Project Officer

Town Cycle Plan Working Group Members

Main Roads WA

Cycling WA

Statutory Implications Nil

Policy Implications Nil

Strategic Planning Implications

Key Result Area 1 - Infrastructure

Goal 1 - Road, Footpaths and Drainage

Strategy 5: Implement high priority strategies that are listed in the Town's Cycle Plan.

Budget Implications

Council currently has an allocation of \$530,000 for this project, and these funds are expected to be utilised within the 2009/10 financial year.

Council staff has applied for two (2) grant applications relevant to this project, which will be available for expenditure should the applications be successful. These are:

1. \$50,000 DPI
2. \$200,000 Royalties for Regions

It is expected that there will be sufficient funds to undertake all actions and recommendations as outlined in Year 1, plus develop the detail design of the 'Port to South Hedland Shared Path". The cost of this design is unknown, but expected to be under Council's Tender threshold (\$100,000).

Attachments

Nil

Officer's Comment

Following endorsement of the Town Cycle Plan at the November Ordinary Council Meeting, the Working Group and relevant staff have met to determine the implementation schedule to achieve all recommendations as outlined in Year 1. As part of these discussions, it was determined that most recommendations were achievable in Year 1, however two (2) items required additional developmental research. These items are:

- Port Hedland to South Hedland Link
- South Hedland Open Space Spine

To enable the Port to South Hedland Link to be designed and scoped appropriately, it is advised that a detailed design be undertaken in collaboration with Main Roads WA and all other stakeholders (land owners) that may be affected. The Town of Port Hedland does not have suitable expertise to enable a design of this magnitude to be undertaken, on an asset that does not belong to the Town. There is also the opportunity to work in collaboration with Main Roads WA for the establishment of this path, and contracting an external consultation to undertake this duty would be preferable. All previous designs and reports will be taken into consideration during this process.

The South Hedland Open Space Spine is currently ongoing, however Town of Port Hedland staff will continue to liaise with the appropriate stakeholders in an attempt to ensure this component of the plan can be undertaken, or a modified approach considered. Any changes that may be proposed will be presented to Council for endorsement.

All other items as included will commence as per the project implementation plan.

200809/304 Council Decision/Officer's Recommendation

Moved: Cr K A Howlett

Seconded: Cr J M Gillingham

That Council:

- i) undertakes all Year 1 recommendations as part of the 2009/10 financial year;
- ii) seeks detailed quotes for the "Detailed Design of the Port to South Hedland Shared Path", as part of the Town Cycle Plan Year 1 recommendations;
- iii) subject to the detailed quotes received being under Council's Tender Threshold (\$100,000), authorise the Chief Executive Officer or his nominated officer to enter into an agreement with a suitably qualified consultant to design the Port to South Hedland Shared Path; and
- iv) collaborates with Main Roads WA to ensure information accuracy and reduction of risk.

CARRIED 9/0

11.2.3.2 Geotechnical Report of McGregor Street Reserve (File No.: 26/08/0007)

Officer Bec Pianta
Manager Recreation Services

Date of Report 15 April 2009

Disclosure of Interest by Officer Nil

Summary

For Council to note the results of the Geotechnical testing of the McGregor Street Reserve, as requested by Council prior in relation to progressing the McGregor Street Master Plan.

Background

The Town of Port Hedland contracted ROSS Planning in November 2007 to undertake Master Planning for Colin Matheson Oval and McGregor Street Reserve. The impetus for this project was to consider future planning of recreational reserves, to ensure a well-planned and well-designed process that is comprehensively linked to the Land Use Master Plan. These plans need to ensure that amenities at sporting reserves meet expectations, are of high quality and allow for economy of scale (efficiency of use). At the conclusion of this process, Council will receive the following:

- a consolidated, costed plan, including estimated timeframes for deliverables;
- a report recommending the process of redevelopment;
- a report detailing the individual components of each reserve (including the provision of specific sporting facilities including clubrooms, change rooms and toilet facilities, and any specialised facilities, including turf club amenities, potential child-care facilities etc.); and,
- a report detailing the location of each facility, to maximise efficiency, use and aesthetics.

A series of consultation sessions were undertaken with the stakeholders of the reserve, as well as members of Council and the community. This feedback received was then presented at the Ordinary Council Meeting on the 28th May 2008. At this meeting, Council resolved (in part) that:

“ii) the following matters with regards to McGregor Street Sporting Reserves lay on the table for further consideration by Council at its Ordinary Council Meeting to be held in July 2008:

- a) the concept development for the relocation and upgrade at the reserves continue as planned;*

- b) *all possible inclusions as received via feedback be included in the revised concept plan; and*
- c) *that liaison with the Port Hedland Turf Club and Main Roads WA occur as to the most ideal location of the turf track, based on Option 1."*

As per the recommendation above, ROSS Planning received all comments and feedback from the community and Council, and included or considered all possibilities within their updated concept plans. Refer attachment 1 for the redeveloped concept plan (concept 4).

Due to time-commitment required by all volunteers of the Port Hedland Turf Club, staff at the Town of Port Hedland were not able to present the newly developed concept designs until after the conclusion of the racing season. The report was therefore presented at the Ordinary Council Meeting on the 24th September 2008, where it was resolved that:

"Council do not progress the McGregor Street Reserve Development Project until complete soil analysis is undertaken, and those results are available to Council."

"REASON: Council resolved to undertaken a complete soil analysis on the site, prior to committing to progress the McGregor Street Reserve Development Project any further."

In March 2009 the Town of Port Hedland received the geotechnical report, which can be seen in attachment 2.

Consultation

The project has been discussed amongst various Town of Port Hedland staff members, including:

- Chief Executive Officer
- Director Engineering Services
- Manager Planning
- Manager Infrastructure Development
- Manager Recreation Services
- Sports and Recreation Officer

Throughout the development of the concept plans, the following forms of community consultation have been undertaken throughout this project:

- Newspaper advertisements
- Shopping centre displays
- Email correspondence
- Community forums
- Radio advertisements (with live coverage)
- Radio interview
- Media Releases

- Hard copy displays at the:
 - Civic Centre
 - JD Hardie Centre
 - South Hedland Library
 - Port Hedland Library
- Dedicated Turf Club Meeting

Statutory Implications Nil

Policy Implications Nil

Strategic Planning Implications

Key Result Area 3: Community Development

Goal 2: Sports and Leisure

Strategy 1: Progressively implement the recommendations of the Sports Facility Audit with a particular focus on... the development of additional quality facilities...

Budget Implications

Should Council resolve to endorse the Officer's Recommendation, the project can conclude. Currently, the original Purchase Order for this project is only partially invoiced, so sufficient funds have been allowed and allocated to the completion of the conceptual stage of the project.

Officer's Comment

As per Council's request, to ensure that adequate tests were undertaken at the McGregor Street Sporting Reserve, the following detailed scope was developed for the investigation:

- Dipping until a depth of 3 metres or refusal, for two (2) locations at the proposed pavilion site (as per concept plan 4)
- Dipping work in soil (OTR) for six (6) spots to a depth of 1 metre, around the turf and sport areas of the McGregor Street Sporting Reserve site (as per concept plan 4)
- Clegg Hammer tests to determine ground hardness
- Soil sampling
- Laboratory Tests including:
 - Moisture content
 - Atterberg limits and linear shrinkage
 - Particle size distribution
 - Tri-axial multi stage
 - Consolidation
 - 4 days soaked CBR
 - Maximum Dry Density
- Soil Analysis - Chemical analysis of the soil for:
 - pH

- Elements comprising of
 - Nitrate
 - Ammonia
 - Phosphorus
 - Potassium
 - Calcium
 - Magnesium
 - Iron
 - Sulphate
 - Total Dissolved Salts
 - Chloride
 - Sodium
 - Carbonate
- Report detailing the suitability of soil for turf based on soil analysis.

The investigations occurred at the proposed location of the McGregor Street Reserve Pavilion and ovals. The full report can be viewed in attachment 1.

As detailed within the report, the test pits revealed:

“...a relatively consistent soil material comprising of fine to medium grained, light brown, dry, dense Clayey sand to a depth of about 0.3 metres, followed by plastic clay to a depth of 1.8 metres.”

The geotechnical report also stipulates that although the site has coastal constraints (due to location), this shouldn't impinge significantly on the development of the reserve. Grassed reserves and infrastructure can be developed providing adequate project management, design and building requirements are met.

Currently, the McGregor Street Master Plan is two-thirds complete, and can now be completed, now that the Geotechnical Report has been supplied.

Attachments

Report on geotechnical Investigation Work at McGregor Street Sporting Reserve

Officer's Recommendation

That Council:

- i) notes the Geotechnical Report on the McGregor Street Reserve, from SGS Australia Pty Ltd, dated 9 March 2009;
- ii) provides a copy of the Geotechnical Report dated 9 March 2009 to ROSS Planning for inclusion in the McGregor Street Reserve Master Plan;
- iii) recommence the finalisation of the McGregor Street Reserve Master Plan; and
- iv) consider the completed McGregor Street Reserve Master Plan at a future meeting of Council.

200809/305 Council Decision

Moved: Cr A A Carter

Seconded: Cr G J Daccache

That Council:

- i) notes the Geotechnical Report on the McGregor Street Reserve, from SGS Australia Pty Ltd, dated 9 March 2009;
- ii) provides a copy of the Geotechnical Report dated 9 March 2009 to ROSS Planning for inclusion in the McGregor Street Reserve Master Plan;
- iii) recommence the finalisation of the McGregor Street Reserve Master Plan; and
- iv) consider the completed McGregor Street Reserve Master Plan at a future meeting of Council and stakeholders.

CARRIED 8/1

REASON: Council resolved to amend Clause iv) of the Officer's Recommendation to include stakeholders in a meeting with Council to consider the completed McGregor Street Reserve Master Plan.

ATTACHMENT TO AGENDA ITEM 11.2.3.3



**Report on
Geotechnical Investigation Work at
McGregor Street Sporting Reserve
for
Town of Port Hedland**

*Project No 60 - 8887
09 March 2009*

CONTENTS

EXECUTIVE SUMMARY	i
1.0 INTRODUCTION	1
2.0 SCOPE OF WORK	2
3.0 DESKTOP STUDY	3
4.0 FIELD WORKS	4
5.0 LABORATORY RESULTLS	5
6.0 GENERAL EARTHWORKS	7
7.0 BACKFILL MATERIALS	7
8.0 SITE PREPARATION	7
9.0 EARTHQUAKE DESIGN	8

ILLUSTRATIONS

FIGURES

Figure 1: Locality Plan

TABLES

Table 1 Test Pit Locations
Table 2 Summary of Laboratory Results

APPENDICES

Appendix 1: Test Pits Logs
Appendix 2: Laboratory Tests

PHOTOGRAPHS

Photos 1-6: Site Photographs



EXECUTIVE SUMMARY

SGS Australia Pty Ltd was engaged by the Town of Port Hedland (the Client), to conduct a Geotechnical Investigation at The McGregor Street Sporting Reserve (MSSR), McGregor Street, Port Hedland, Western Australia. The purpose of the investigation is to obtain subsurface geotechnical information for the construction of the sporting facility structures at the site.

The investigation test comprised of Test pit dipping Work, Clegg testing, Sampling and Laboratory Testing. A total of two (2) test pits were conducted at locations around the proposed area of development, referenced as TP 1 and TP 2. Refer to figure 2 to see the location of test pits.

Collection of representative soil samples from the test pits was carried out in order for laboratory tests to be conducted. The results provided engineering parameters for use in the subsequent design.

Findings

The dipping work for the two (2) test pits revealed a relatively consistent soil material comprising of fine to medium grained, light brown, dry, dense Clayey Sand to a depth of about 0.3m followed by Plastic Clay to a depth of 1.8m.

The laboratory test results present a CBR varying between 1.5 to 30, an Optimum Moisture Content between 8.5 to 20 and a Maximum Dry Density between 1.61t/m³ to 1.96t/m³. The coefficient of Permeability obtained was 1.3×10^{-07} m/s.



1.0 INTRODUCTION

- 1.1 SGS Australia Pty Ltd. was commissioned by the Town of Port Hedland to conduct a Geotechnical Investigation involving Test Pits Dipping Work, and Sampling and Laboratory Testing at McGregor Street Sporting Reserve (MSSR), McGregor Street, Port Hedland, Western Australia.
- 1.2 The purpose of the investigation is to assist future development at MSSR.
- 1.3 An aerial photographic view of the site is shown in Plate1.



Plate 1: Aerial View of MSSR (Courtesy of Google)



2.0 SCOPE OF WORK

2.1 The site investigations were carried out during 27-28th of January 2009. The test pit locations were selected by the Client, and based on the proposed building envelope. The scope of work included, but was not limited to the following:

- Desktop study
 - Study of the relevant site conditions and available Geological information on the site;
 - Study of the relevant climatic information available for the Port Hedland area, and;
 - Study of the relevant groundwater information available for the Port Hedland area.
- Fieldwork
 - Two (2) Test Pits to be excavated at the site for the shallow probing to a depth of 3 meters or refusal;
 - Positioning of boreholes locations using a GPS system;
 - Logging of soil strata and observations for ground water, and;
 - Associated disturbed and undisturbed sampling of soil strata as required.
- Laboratory tests
 - Moisture content;
 - Particle size distribution;
 - Atterberg limits;
 - California Bearing Ratio (4 days soaked CBR);
 - Modified Compaction Test;
 - Permeability (Constant Head) and;
 - Chemical tests.
- Reporting on findings and test results including a typical Foundation Design based on the CPT results.



3.0 DESKTOP STUDY

3.1 Geology Study

- 3.1.1 A review of the 1:50,000 Environmental Geology Map of Port Hedland, first edition 1983 indicates that the site is situated on a coastal flat. The coastal flat also consists of older dune shelley sand.
- 3.1.2 The town of Port Hedland is predominantly lain on silty sands and mangrove flats. Towards the easterly surrounds of the site colluvial, quartz scree and high-level sands occur.

3.2 Climate

- 3.2.1 Rainfall is low throughout the year and quite variable. Annual totals vary from 250mm -450mm and many years without significant rainfall occur 32.2mm. The maximum temperature range in summer is 35-39°C. Winter maximum temperatures are mild/warm with temperatures in the 23-30°C range (http://www.watercorporation.com.au/W/waterwise_pthedland.cfm).

3.3 Groundwater

- 3.3.1 Water present at the 2.6m for TP1 and TP2 respectively. This coincided with a thick layer of wet clay.
- 3.3.2 More reliable groundwater results were not available for this report (DOW).

3.4 Soils

- 3.4.1 Port Hedland town site is built on free draining deep red, often calcerous sandy soils over sandy loams. Adding organic matter to the sandy soils dramatically improves both its moisture and nutrient hold capacity. The loam overlies heavier clay.
- 3.4.2 South Hedland soil is a red sandy loam which becomes very hard when dry, and waterlogged in heavy rain.



4.0 FIELD WORKS

4.1 Test Pits

- 4.1.1 The dipping work was conducted using a 7.5 tonne backhoe (Case 580 SLE), bucket width 600mm.
- 4.1.2 A total of two (2) test pits and three (3) hand augers were conducted at locations around the proposed area of development, referenced as TP1 & TP2, HA1, HA2 and HA3 respectively. These test locations are presented in Figure 1.
- 4.1.3 GPS Coordinates (WGS84) of Test Pits are given in Table 1.

Table 1: Test Pit Locations

Test Pit	Easting	Northing
1	50 668 692 E	77 534 77 N
2	50 668 631 E	77 534 66 N

- 4.1.4 The dipping work at all the two (2) test pits revealed a relatively consistent soil material comprising of fine to medium grained, light brown, dry, dense Clayey Sand to a depth of about 0.3 m followed by Clay.
- 4.1.5 Test Pits TP1 and TP2 were terminated to a depth of 2.6m and 2.8m respectively.
- 4.1.6 Soil samples were collected for laboratory analysis from TP1.
- 4.1.7 Some soil samples were collected for CBR and Modified Compaction Test from different Hang Augur locations.
- 4.1.8 The Test Pit log sheets for the test pits are presented in Appendix 1.
- 4.1.9 Some of the site photos taken are presented in Photos 1-6.



5.0 LABORATORY RESULTLS

- 5.1 Laboratory tests were conducted in the SGS NATA accredited laboratory.
- 5.2 The tests were conducted to determine the physical and strength properties of the foundation materials at the site.
- 5.3 The laboratory test program consists of the following:
- Moisture Content;
 - Particle size distribution;
 - Atterberg limits;
 - California Bearing Ratio (4 days soaked CBR);
 - Modified Compaction Test;
 - Permeability (Constant Head) and;
 - Chemical tests.
- 5.4 The factual laboratory results are summarized in Table 2.

Table 2: Summary of Laboratory Results

Test Pit ID	TP 1	HA 1	HA 2	HA 3
I. Physical				
Moisture Content (%)	31.2	-	-	-
Liquid Limit (%)	62	-	-	-
Plastic Limit (%)	28	-	-	-
Plasticity Index (%)	34	-	-	-
Percent Fines < 75µm (%)	84	-	-	-
Linear Shrinkage (%)	13	-	-	-
II. Strength				
Maximum Dry Density (t/m ³)	1.61	1.72	1.96	1.81
Optimum Moisture Content (%)	20	12	8.5	12.5
CBR (%)	1.5	30	25	3.5
Coefficient of Permeability (m/s) (Constant Head, at gd = 1.81 t/m ³ , zero surcharge)	-	-	-	1.3*10 ⁻⁰⁷

- 5.5 Atterberg limit test results were analyzed by using Plastic chart and found that soils are clayey material with high compressibility. The measured coefficient of permeability of 0.468mm/hr also suggested that the material is Clay.
- 5.6 Further chemical laboratory tests were also conducted for the soil material, and a summary of the findings presented in Table 3.



Table 3: Summary of Chemical Test Results

Test Pit ID	Units	HA 1	HA 2	HA 3
Electrical Conductivity @ 25°C	µS/cm	160	75	3800
pH	Units	9.3	8.3	8.3
Nitrate, NO ₃	mg/kg	< 5	< 5	< 5
Ammoniacal Nitrogen, NH ₃ -N	mg/kg	< 1	< 1	< 1
Total Phosphorous, P	mg/kg	210	290	74
Potassium, K	mg/kg	350	350	180
Calcium, Ca	mg/kg	32,000	1,900	210
Magnesium, Mg	mg/kg	3,300	690	87
Iron, Fe	mg/kg	8,200	4,800	8,800
Sulphate, SO ₄	mg/kg	< 5	< 5	4,600
Chloride, Cl	mg/kg	17	7	4,422
Sodium, Na	mg/kg	230	44	47
Carbonate, CO ₃	mg/kg	7	< 5	< 5
Salinity (NaCl)	mg/kg	< 10	< 10	< 10

- 5.7 For HA1, some elements consisting of Calcium, Magnesium, Iron and Sodium are considered as significant. As for HA3, some elements consisting of Iron, Sulphate and Chloride are considered as significant.
- 5.8 The test certificates are presented in Appendix 2.



6.0 GENERAL EARTHWORKS

- 6.1 The site is observed to be relatively flat. We anticipate the earthworks can be constructed using conventional heavy earthmoving equipment. For those areas whereby clay material is found at the deeper depths, excavation conditions may become difficult if the material become wet and soften.
- 6.2 The soils on the site are **not** considered suitable for general use. The site consists of plastic clays.
- 6.3 Where there is presence of minor organics, they should be screened and removed.
- 6.4 Prior to any compaction work, we advise care is taken for the moisture conditioning of the material. Under wet conditions, soil may become too wet and difficult to work and compact.
- 6.5 The earthworks contractor will need to advise on the selection of compaction equipment appropriate for the compaction of soil and protect them from becoming overly wet. Refer to Maximum Dry Density (MDD), Appendix 2.
- 6.6 In general, the site should be proof rolled with a minimum of five passes with a vibratory roller (minimum mass of 10T). Any loose or areas of weakness should be removed and backfilled with approved granular fill. If boulders or rocks (>300mm) are encountered, they should generally be removed from the works.
- 6.7 Footings should be excavated to the depth of the footing base. The exposed surface should be compacted to achieve a dry density ratio of 96% (Modified compaction) to a depth thickness of 0.3m.

7.0 BACKFILL MATERIALS

- 7.1 Imported fill material for general fill and pipe work should be clean sand with maximum 15% passing 0.075 mm sieve.
- 7.2 Imported fill material for structural fill should be clean sand with maximum 5% passing 0.075 mm sieve, or other approved material.
- 7.3 All fill is to be compacted in layers of 300mm and compacted to achieve the specified minimum density ratio by an approved method.
- 7.4 Selected fill should be used up to a depth of 300mm below the underside of the footings/slabs structures. A guide to the fill selection is to comply as follows:

Sieve Size (mm)	Percent Passing (%)
37.5	90 – 100
2.36	30-80
0.075	0-15

- 7.5 The backfill material plasticity index should be < 10%.



8.0 SITE PREPARATION

- 8.1 All surface organic material, root matter and vegetation are to be removed.
- 8.2 Compaction is required to achieve a minimum dry density ratio using modified effort of 93% (clayey material) or 96% (gravelly material) to a depth of 200mm, and shall be conducted in accordance to AS 1289.5.2.1.
- 8.3 This site investigation and subsequent classification has been carried out using a limited amount of test pits, visual inspection and sampling.
- 8.4 Achieving a full coverage of the site to ensure all variations are investigated is not practical and is seldom done due to cost constraints as well as the impracticality.
- 8.5 Due to the inherent nature of "natural ground" it is possible that subsurface conditions will vary over short distances within the site.

9.0 EARTHQUAKE DESIGN

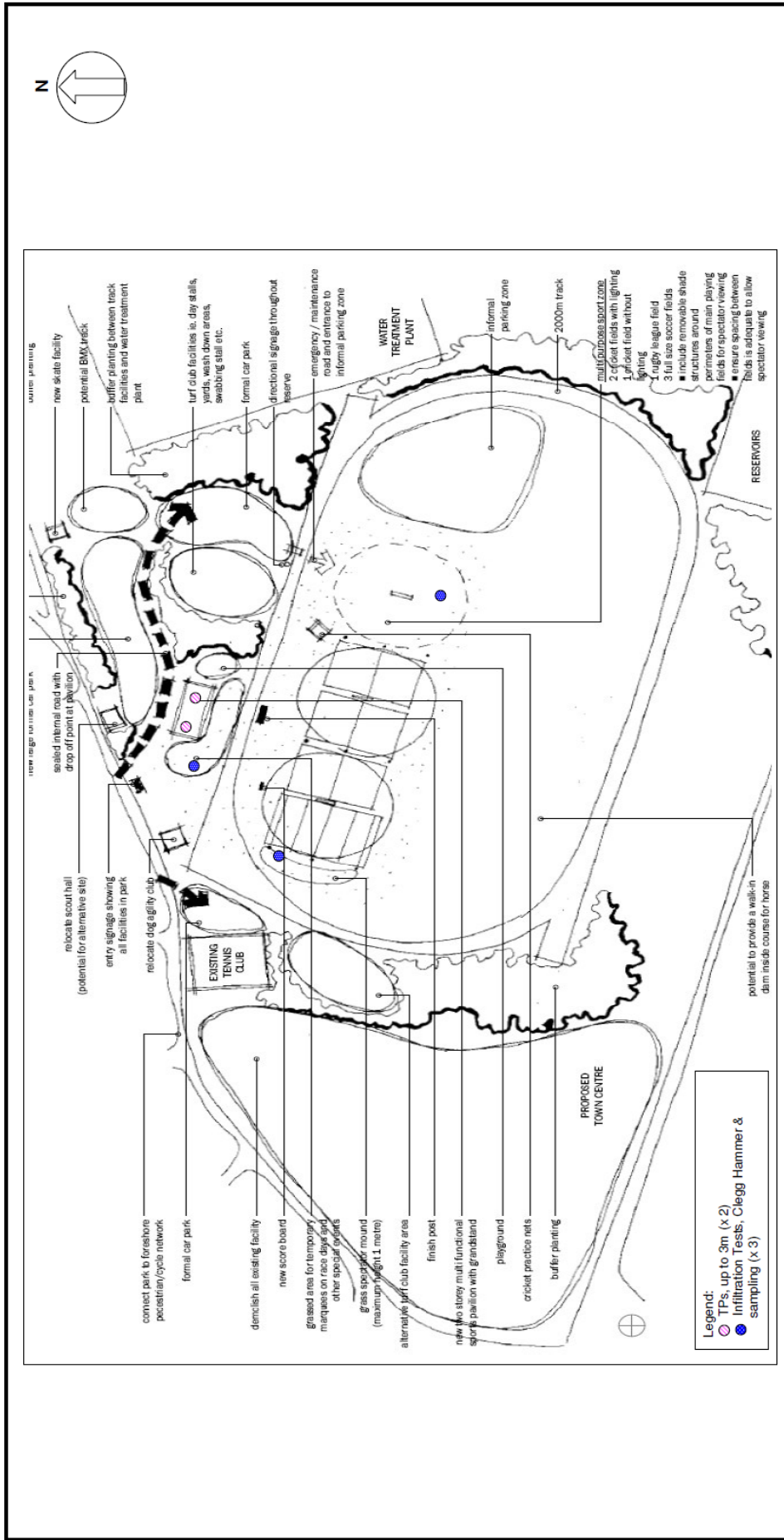
- 9.1 AS1170.4-1993 "Minimum Loads on Structures Part 4: Earthquake Loads" outlines the design criteria required for a structure in consideration of the risk of being subjected to earthquake loads. There are two coefficients which are relevant to this report. They are Section 2.3 Acceleration Coefficient (a) which is dependent on the geographic location and Section 2.4 Site Factor (S) which depends on the soil profile.
- 9.2 Based on our site investigation and review of AS1170.4_1993 the following factors are considered appropriate for use in the structural design for this site.
- 9.3 Clause 2.3 ACCELERATION COEFFICIENT (a) = 0.12 (Port Hedland).
- 9.4 Clause 2.4 SITE FACTOR (S) = 1.0 (General structures less than 30 m of soft soil).

SGS AUSTRALIA PTY LTD

DR. HARUN MEER
Geotechnical Engineer

TERRENCE GILL
Senior Geotechnical Engineer


"This report is subject to the SGS General Conditions of Service available upon request or at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein."




SGS AUSTRALIA PTY LTD
 36 Railway Parade WELSHPOOL WA 6106
 Tel: 1300 781 744 Fax: (08) 9458 3700
 www.au.sgs.com.

PROJECT: Proposed Upgrading of Works at Mcgregor Street Sporting Reserves (MSSR)	Title: Actual Test Locations	
	Figure: 1	Scale: N.T.S.
- Geotechnical Investigation Work	Date: 03 February 2009	Drawn: GW
	Checked: TG	Approved: AS
	Drawing No: 60.8887	Rev: 0

PF-(AU)-[IND(MTE)]ES-025/A/01.01.2009

		TEST PIT LOG		TEST PIT NO.: <i>TP 1</i> Sheet: 1 of 1					
CLIENT: Town of Port Hedland		DATE COMMENCED: 28/01/2009							
PROJECT: McGregor Street Sporting Reserves (MSSR)		DATE COMPLETED: 28/01/2009							
LOCATION: McGregor Street, Port Hedland		LOGGED BY: RS/GW							
JOB NUMBER: 60-8887		CHECKED BY:							
Contractor: PPM		Bucket Width: 300mm		Easting: 50 668 692					
Equipment Model: Back Hoe				Northing: 77 534 77					
Sampling Type: B - Bulk Sample, D - Disturbed Sample, U - Undisturbed Sample		Surface R.L.:							
Scale (m)	Depth (m)	GWT (m)	UCS Symbol	Graphic Log	Consistency/Density	Sampling Type/Depth (m)	Sample ID	Soil Description	Field Records/Comments
	0.3		SC					SC Clayey Sand - Fine grain, light brown, dry, dense, fines of low plastic clay.	Topsoil, with grass covering
	1.0		CH			B		CH Plastic Clay - Fine to medium grain, brown, moist, high plasticity, stiff.	
	2.0							Very moist at 1.8m	
	2.6							Terminated at 2.6m due to bucket refusal on rock, water occurring.	
	3.0								
	4.0								
	5.0								

		TEST PIT LOG			TEST PIT NO.: <i>TP 2</i> Sheet: 1 of 1				
CLIENT: Town of Port Hedland		DATE COMMENCED: 28/01/2009							
PROJECT: McGregor Street Sporting Reserves (MSSR)		DATE COMPLETED: 28/01/2009							
LOCATION: McGregor Street, Port Hedland		LOGGED BY: RS/GW							
JOB NUMBER: 60-8887		CHECKED BY:							
Contractor: PPM		Bucket Width: 300mm		Easting: 50 668 631					
Equipment Model: Back Hoe					Northing: 77 534 66				
Sampling Type: B - Bulk Sample, D - Disturbed Sample, U - Undisturbed Sample		Surface R.L.:							
Scale (m)	Depth (m)	GWT (m)	UCS Symbol	Graphic Log	Consistency/Density	Sampling Type/Depth (m)	Sample ID	Soil Description	Field Records/Comments
	0.3		SC					SC Clayey Sand - Fine to medium grain, light brown, dry, dense, fines of low plastic clay.	Topsoil, with grass covering
	1.0		CH					CH Plastic Clay - Fine grain, brown, moist, high plasticity, stiff.	
	2.0							Very moist at 1.8m	
	2.7							Terminated at 2.7m due to bucket refusal on rock, water occurring.	
	3.0								
	4.0								
	5.0								

ELECTRIC FRICTION-CONE PENETROMETER

CLIENT: Town of Port Hedland

Date: 27/01/09

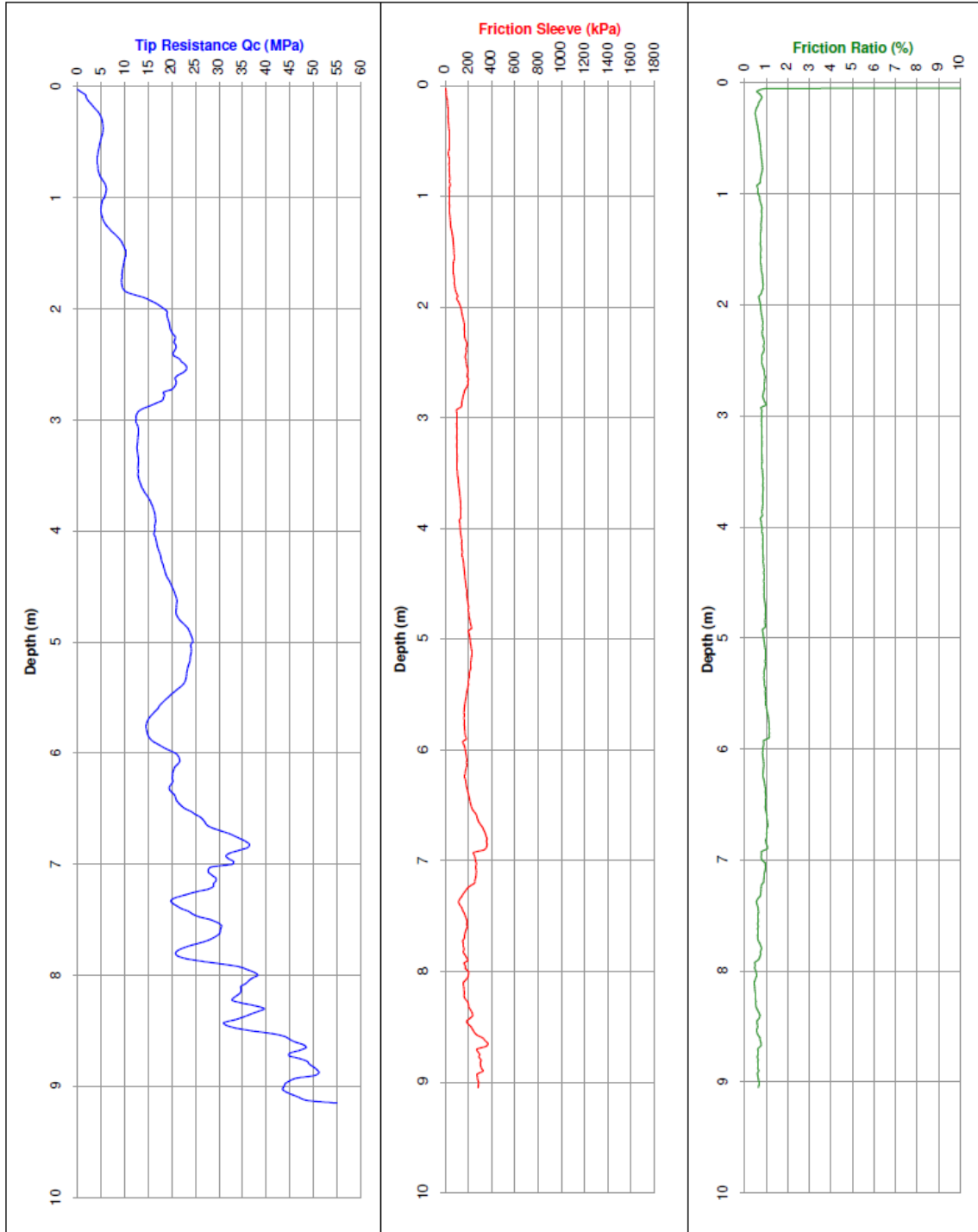
PROJECT: Sporting Ovals

Probe No.: CPT 5

LOCATION: Port Hedland

Job Number: 60-8887

Co-ordinates:



Ph: 9314 6611 Fax: 9314 6699

Water (m): Dry to 9.0

Refusal: 55MPa

Tested in accordance with AS 1289.6.5.1 - 1999 and IRTP 2001 for friction reducer

File: SG0005M.txt

Dummy probe to (m):

Cone I.D. : EC23GM

12 tonne track mounted CPT Rig

ELECTRIC FRICTION-CONE PENETROMETER

CLIENT: Town of Port Hedland

Date: 27/01/09

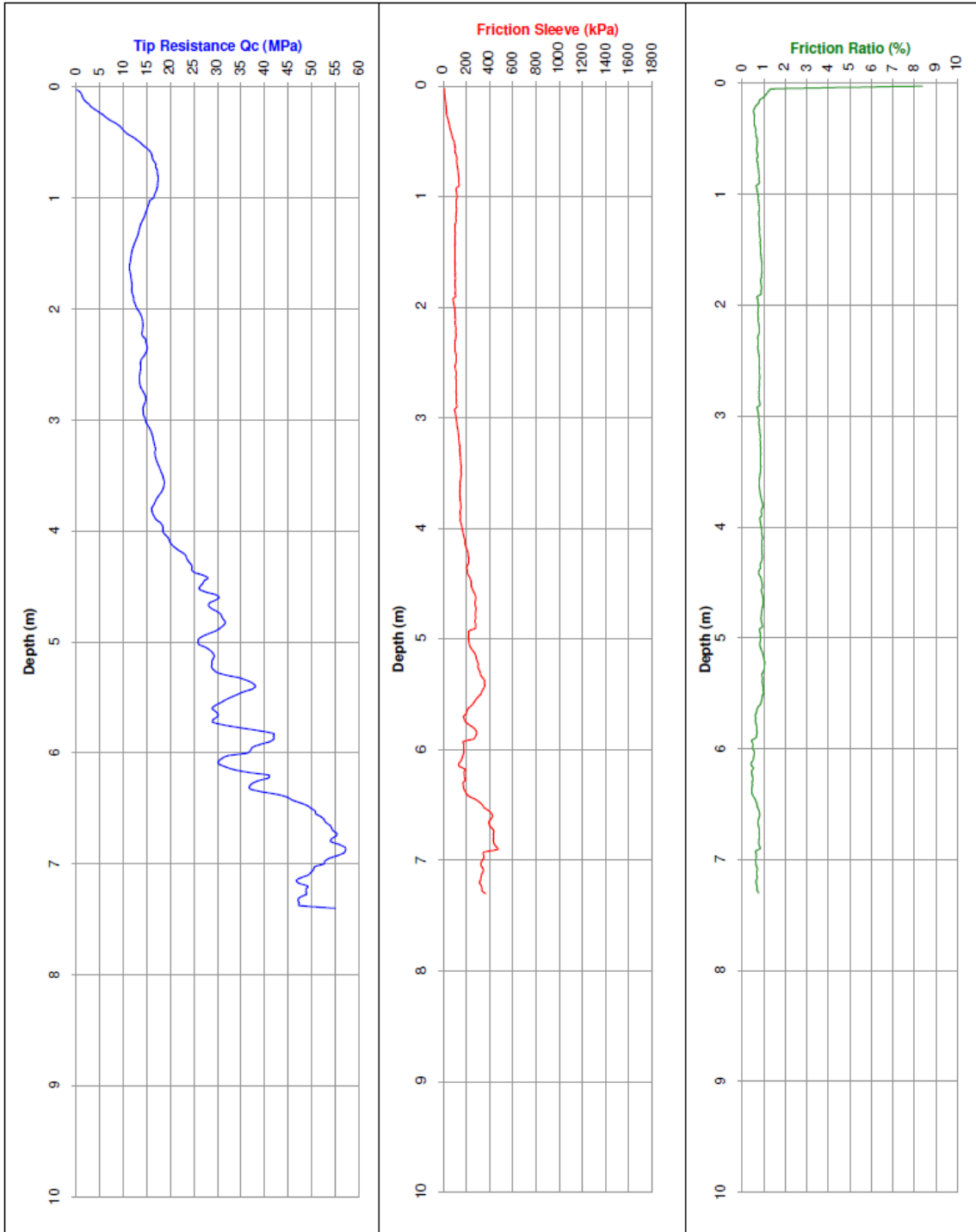
PROJECT: Sporting Ovals

Probe No.: CPT 6

LOCATION: Port Hedland

Job Number: 60-8887

Co-ordinates:



Water (m): Dry to 7.4

Tested in accordance with AS 1289.6.5.1 - 1999 and IRTP 2001 for friction reducer

Refusal: 55MPa

File: SG0006M.txt

Dummy probe to (m):

Cone I.D. : EC23GM

12 tonne track mounted CPT Rig



SGS Australia Pty Ltd
 PO Box 219 Bentley WA 6982
 36 Railway Parade
 Welshpool WA 6106

TEST CERTIFICATE

ABN: 44 000 964 278
 ph: 1300 781744
 fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	10/02/2009
Sample No:	09-MT-1535	WG Job Number:	09-01-299
Sample ID:	TP1	Lab:	Welshpool

MOISTURE CONTENT

AS 1289.2.1.1 (Oven Convection)

1

Moisture Content (%) 31.2

Note: Sample supplied by client.

Approved Signatory:  (Mark .Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418 Form No.PF-(AU)-[IND(MTE)]-TE-S200.LCER/A/01.01.2009

Site No.: 2411
 Cert No.: 09-MT-1535-S200
 Page: 1



SGS Australia Pty Ltd
 PO Box 219 Bentley WA 6982
 36 Railway Parade
 Welshpool WA 6106

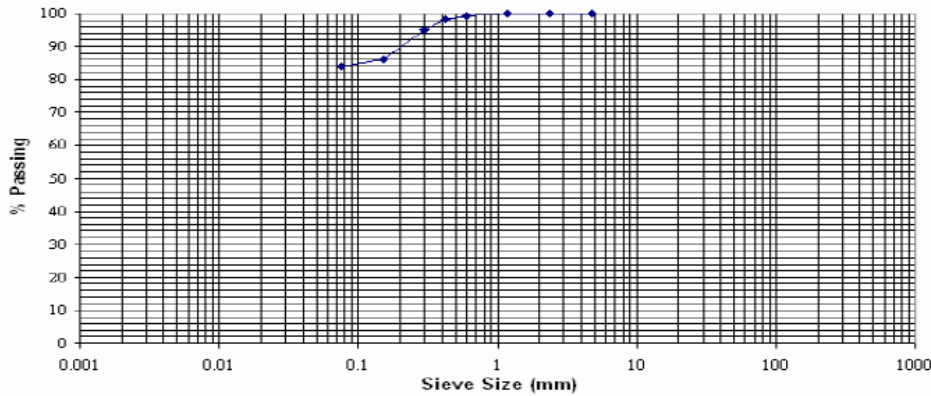
TEST CERTIFICATE

ABN: 44 000 964 278
 ph: 1300 781744
 fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	12/02/2009
Sample No:	09-MT-1535	WG Job Number:	09-01-299
Sample ID:	TP1	Lab:	Welshpool

PARTICLE SIZE DISTRIBUTION

AS1289.3.6.1



Sieve Size (mm)	% Passing	Sieve Size (mm)	% Passing
		2.36	100
		1.18	100
		0.600	99
		0.425	98
		0.300	95
		0.150	86
4.75	100	0.075	84

Note: Sample supplied by client.

Approved Signatory:  (Mark .Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418 Form No.PF-(AU)-[IND(MTE)]-TE-S301.LCER/A/01.01.2009

Site No.: 2411
 Cert No.: 09-MT-1535-S301
 Page: 1



SGS Australia Pty Ltd
PO Box 219 Bentley WA 6982
36 Railway Parade
Welshpool WA 6106

TEST CERTIFICATE

ABN: 44 000 964 278
ph: 1300 781744
fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	16/02/2009
Sample No:	09-MT-1535	WG Job Number:	09-01-299
Sample ID:	TP1	Lab:	Welshpool

PLASTICITY INDEX

AS 1289.3.9.2(Single Point Cone Method), 3.2.1(Plastic Limit), 3.3.2(Plasticity Index), 3.4.1(Linear Shrinkage)

AS 1289.3.9.2	
Liquid Limit (%)	62
AS 1289.3.2.1	
Plastic Limit (%)	28
AS 1289.3.3.1	
Plasticity Index (%)	34
AS 1289.3.4.1	
Linear Shrinkage (%)	13.0

Oven Dried
Dry Sieved
Curling

Note: Sample supplied by client.

Approved Signatory:  (Mark Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418

Form No.PF-(AU)-[IND(MTE)]-TE-S324.LCER/A/01.01.2009

Site No.: 2411
Cert No.: 09-MT-1535-S324
Page: 1



SGS Australia Pty Ltd
PO Box 219 Bentley WA 6982
36 Railway Parade
Welshpool WA 6106

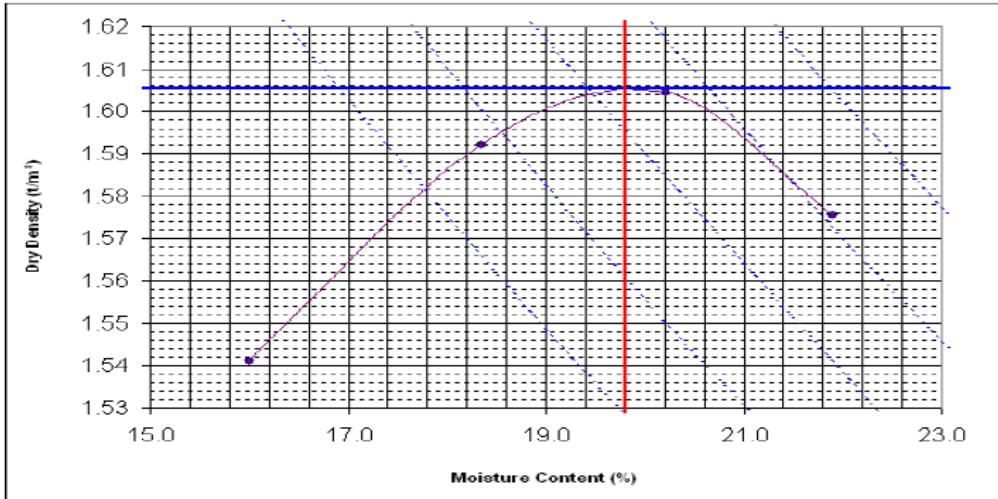
TEST CERTIFICATE

ABN: 44 000 964 278
ph: 1300 781744
fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	12/02/2009
Sample No:	09-MT-1535	WG Job Number:	09-01-299
Sample ID:	TP1	Lab:	Welshpool

DRY DENSITY/MOISTURE CONTENT RELATIONSHIP OF A SOIL

AS 1289.5.2.1 (Modified Compactive Effort)



Modified Effort	
Maximum Dry Density (t/m ³)	1.61
Optimum Moisture Content (%)	20.0
% Retained 19.0mm	0
% Retained 37.5mm	0
Air Voids Curves:	Voids %: 0 - 2 - 4 - 6 - 8 at SPD: 2.48

Note: Sample supplied by client.

Approved Signatory:  (Mark Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418 Form No.PF-(AU)-(IND(MTE))-TE-S402.LCER/A/01.01.2009

Site No.: 2411
Cert No.: 09-MT-1535-S402
Page: 1



SGS Australia Pty Ltd
PO Box 219 Bentley WA 6982
36 Railway Parade
Welshpool WA 6106

TEST CERTIFICATE

ABN: 44 000 964 278
ph: 1300 781744
fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	19/02/2009
Sample No:	09-MT-1535	WG Job Number:	09-01-299
Sample ID:	TP1	Lab:	Welshpool

METHOD FOR DETERMINATION OF CALIFORNIA BEARING RATIO

AS1289.6.1.1 (Soaked)

	SOAKED MODIFIED
COMPACTIVE EFFORT USED:	
Rammer Mass (kg):	4.9
Drop Height (mm):	450
No. of Layers	5
No. Blows/Layer	36
MOISTURE CONTENTS:	
At Compaction:	20.3 % - 104 % OMC
After Soaking:	35 % - 179 % OMC
AFTER PENETRATION	
Top 30mm:	46.6
Remaining Depth (mm):	31.0
DRY DENSITY	
At Compaction:	1.54 t/m ³ - 96 %MDD
After Soaking:	1.36 t/m ³ - 85 %MDD
SOAKING DETAILS	
Swell (%) - Soaking Period	13 % - 4 Days
Surcharge (kg):	4.5
MAXIMUM DRY DENSITY	
	1.61 t/m ³ @ OMC:19.5%
	Acc. To: AS1289.5.2.1
	Referenced from: 09-MT-1535
CALIFORNIA BEARING RATIO:	
	1.5 % At 2.5mm Penetration
% Retained 19.0mm:	0 (Not Replaced)

Note: Sample supplied by client.

Approved Signatory:  (Mark .Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418 Form No.PF-(AU)-[IND(MTE)]-TE-S500.LCER/A/01.01.2009

Site No.: 2411
Cert No.: 09-MT-1535-S500
Page: 1



SGS Australia Pty Ltd
PO Box 219 Bentley WA 6982
36 Railway Parade
Welshpool WA 6106

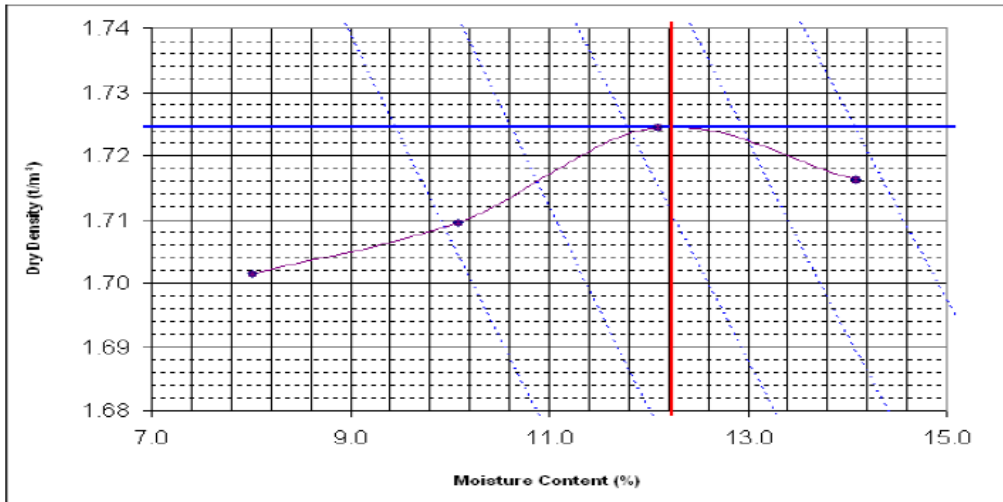
TEST CERTIFICATE

ABN: 44 000 964 278
ph: 1300 781744
fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	10/02/2009
Sample No:	09-MT-1536	WG Job Number:	09-01-299
Sample ID:	HA1	Lab:	Welshpool

DRY DENSITY/MOISTURE CONTENT RELATIONSHIP OF A SOIL

AS 1289.5.1.1 (Standard Compactive Effort)



Standard Effort

Maximum Dry Density 1.72
(t/m³):

Optimum Moisture Content 12.0
(%)

% Retained 37.5 mm 0
% Retained 19.0mm 0

Air Voids: Voids %: 0 - 2 - 4 - 6 - 8 at
SPD: 2.28

Note: Sample supplied by client.

Approved Signatory: (Mark Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418 Form No.PF-(AU)-[IND(MTE)]-TE-S400.LCER/A/01.01.2009

Site No.: 2411
Cert No.: 09-MT-1536-S400
Page: 1



SGS Australia Pty Ltd
PO Box 219 Bentley WA 6982
36 Railway Parade
Welshpool WA 6106

TEST CERTIFICATE

ABN: 44 000 964 278
ph: 1300 781744
fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	19/02/2009
Sample No:	09-MT-1536	WG Job Number:	09-01-299
Sample ID:	HA1	Lab:	Welshpool

METHOD FOR DETERMINATION OF CALIFORNIA BEARING RATIO

AS1289.6.1.1 (Soaked)

SOAKED MODIFIED

COMPACTIVE EFFORT USED:

Rammer Mass (kg):	4.9
Drop Height (mm):	450
No. of Layers	5
No. Blows/Layer	18

MOISTURE CONTENTS:

At Compaction:	12.2 % - 100 % OMC
After Soaking:	16.5 % - 135 % OMC

AFTER PENETRATION

Top 30mm:	15.6
Remaining Depth (mm):	15.3

DRY DENSITY

At Compaction:	1.72 t/m ³ - 100 %MDD
After Soaking:	1.74 t/m ³ - 101 %MDD

SOAKING DETAILS

Swell (%) - Soaking Period	-1 % - 4 Days
Surcharge (kg):	4.5

MAXIMUM DRY DENSITY

1.72 t/m³ @ OMC:12%
Acc. To: AS1289.5.2.1
Referenced from: 09-MT-1536

CALIFORNIA

BEARING RATIO:	30 % At 2.5mm Penetration
% Retained 19.0mm:	0 (Not Replaced)

Note: Sample supplied by client.

Deviation from standard method: Sample compacted as a SMDD (AS1289.5.1.1). CBR remoulded to 100% SMDD using modified hammer.

Approved Signatory:  (Mark .Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418 Form No.PF-(AU)-[IND(MTE)]-TE-S500.LCER/A/01.01.2009

Site No.: 2411
Cert No.: 09-MT-1536-S500
Page: 1



SGS Australia Pty Ltd
PO Box 219 Bentley WA 6982
36 Railway Parade
Welshpool WA 6106

TEST CERTIFICATE

ABN: 44 000 964 278
ph: 1300 781744
fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	11/02/2009
Sample No:	09-MT-1536	WG Job Number:	09-01-299
Sample ID:	HA1	Lab:	Welshpool

PERMEABILITY: CONSTANT HEAD

AS1289.6.7.1 Remoulded sample

Max. Dry Density (t/m ³)	1.72
Optimum Moisture Content (%)	12.2
Dry Density (t/m ³)	1.63
Dry Density Ratio (%)	94.8
Moisture Content (%)	12.2
Moisture Ratio (%)	99.5
Surcharge (kPa)	0.0
Hydraulic Gradient (mm)	1,320
Percentage Retained	0
Sieve Size (mm)	4.75
Compactive Effort :	Modified Effort

COEFFICIENT OF PERMEABILITY

m/s at 20 ° C 2.6E-05

Note: Sample supplied by client.

Approved Signatory:  (Mark Matthews)

Date: 25/02/2009

Form No.PF-(AU)-[IND(MTE)]-TE-S802.LCER/A/01.01.2009

Site No.: 2411
Cert No.: 09-MT-1536-S802
Page: 1



SGS Australia Pty Ltd
 PO Box 219 Bentley WA 6982
 36 Railway Parade
 Welshpool WA 6106

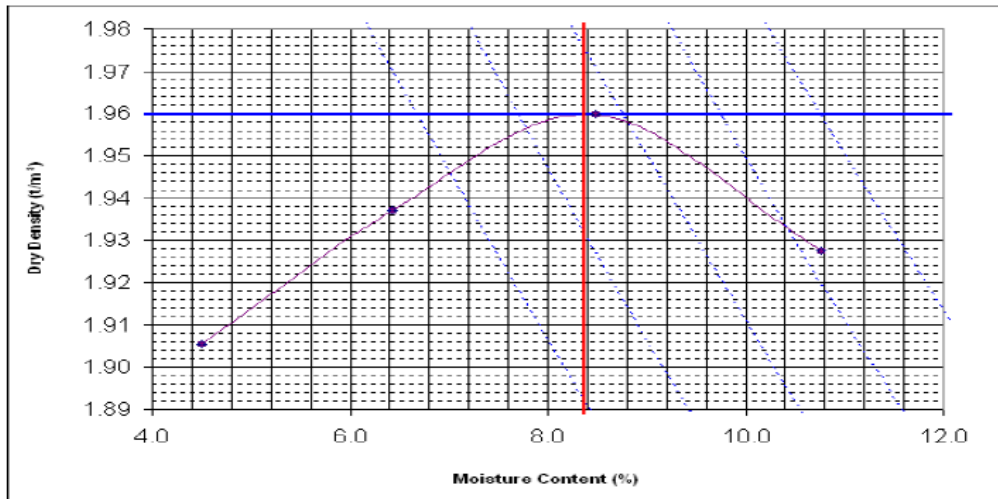
TEST CERTIFICATE

ABN: 44 000 964 278
 ph: 1300 781744
 fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	11/02/2009
Sample No:	09-MT-1537	WG Job Number:	09-01-299
Sample ID:	HA2	Lab:	Welshpool

DRY DENSITY/MOISTURE CONTENT RELATIONSHIP OF A SOIL

AS 1289.5.2.1 (Modified Compactive Effort)



Modified Effort	
Maximum Dry Density (t/m ³)	1.96
Optimum Moisture Content (%)	8.5
% Retained 19.0mm	0
% Retained 37.5mm	0
Air Voids Curves:	Voids %: 0 - 2 - 4 - 6 - 8 at SPD: 2.48

Note: Sample supplied by client.

Approved Signatory:  (Mark Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418 Form No.PF-(AU)-[IND(MTE)]-TE-S402.LCER/A/01.01.2009

Site No.: 2411
 Cert No.: 09-MT-1537-S402
 Page: 1



SGS Australia Pty Ltd
PO Box 219 Bentley WA 6982
36 Railway Parade
Welshpool WA 6106

TEST CERTIFICATE

ABN: 44 000 964 278
ph: 1300 781744
fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	19/02/2009
Sample No:	09-MT-1537	WG Job Number:	09-01-299
Sample ID:	HA2	Lab:	Welshpool

METHOD FOR DETERMINATION OF CALIFORNIA BEARING RATIO

AS1289.6.1.1 (Soaked)

SOAKED MODIFIED

COMPACTIVE EFFORT USED:

Rammer Mass (kg):	4.9
Drop Height (mm):	450
No. of Layers	5
No. Blows/Layer	18

MOISTURE CONTENTS:

At Compaction:	8.4 % - 100 % OMC
After Soaking:	12.5 % - 149 % OMC

AFTER PENETRATION

Top 30mm:	14.8
Remaining Depth (mm):	11.4

DRY DENSITY

At Compaction:	1.86 t/m ³ - 95 %MDD
After Soaking:	1.86 t/m ³ - 95 %MDD

SOAKING DETAILS

Swell (%) - Soaking Period	0 % - 4 Days
Surcharge (kg):	4.5

MAXIMUM DRY DENSITY

1.96 t/m³ @ OMC:8.5%
Acc. To: AS1289.5.2.1
Referenced from: 09-MT-1537

CALIFORNIA

BEARING RATIO:	25 % At 5.0mm Penetration
% Retained 19.0mm:	0 (Not Replaced)

Note: Sample supplied by client.

Approved Signatory:  (Mark Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418 Form No.PF-(AU)-[IND(MTE)]-TE-S500.LCER/A/01.01.2009

Site No.: 2411
Cert No.: 09-MT-1537-S500
Page: 1



SGS Australia Pty Ltd
PO Box 219 Bentley WA 6982
36 Railway Parade
Welshpool WA 6106

TEST CERTIFICATE

ABN: 44 000 964 278
ph: 1300 781744
fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	11/02/2009
Sample No:	09-MT-1537	WG Job Number:	09-01-299
Sample ID:	HA2	Lab:	Welshpool

PERMEABILITY: CONSTANT HEAD

AS1289.6.7.1 Remoulded sample

Max. Dry Density (t/m ³)	1.96
Optimum Moisture Content (%)	8.5
Dry Density (t/m ³)	1.86
Dry Density Ratio (%)	94.9
Moisture Content (%)	8.5
Moisture Ratio (%)	100.0
Surcharge (kPa)	0.0
Hydraulic Gradient (mm)	1,318
Percentage Retained	0
Sieve Size (mm)	4.75
Compactive Effort :	Modified Effort

COEFFICIENT OF PERMEABILITY

m/s at 20 ° C 3.4E-06

Note: Sample supplied by client.

Approved Signatory:  (Mark .Matthews)

Date: 25/02/2009

Form No.PF-(AU)-[IND(MTE)]-TE-S802.LCER/A/01.01.2009

Site No.: 2411
Cert No.: 09-MT-1537-S802
Page: 1



SGS Australia Pty Ltd
 PO Box 219 Bentley WA 6982
 36 Railway Parade
 Welshpool WA 6106

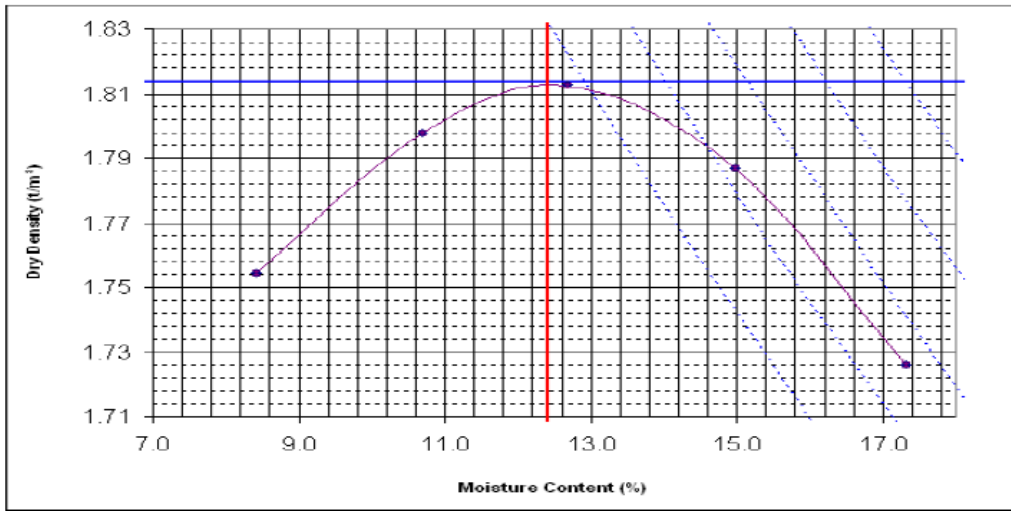
TEST CERTIFICATE

ABN: 44 000 964 278
 ph: 1300 781744
 fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	11/02/2009
Sample No:	09-MT-1538	WG Job Number:	09-01-299
Sample ID:	HA3	Lab:	Welshpool

DRY DENSITY/MOISTURE CONTENT RELATIONSHIP OF A SOIL

AS 1289.5.2.1 (Modified Compactive Effort)



Modified Effort	
Maximum Dry Density (t/m ³)	1.81
Optimum Moisture Content (%)	12.5
% Retained 19.0mm	0
% Retained 37.5mm	0
Air Voids Curves:	Voids %: 0 - 2 - 4 - 6 - 8 at SPD: 2.64

Note: Sample supplied by client.

Approved Signatory:  (Mark Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418 Form No.PF-(AU)-[IND(MTE)]-TE-S402.LCER/A/01.01.2009

Site No.: 2411
 Cert No.: 09-MT-1538-S402
 Page: 1



SGS Australia Pty Ltd
 PO Box 219 Bentley WA 6982
 36 Railway Parade
 Welshpool WA 6106

TEST CERTIFICATE

ABN: 44 000 964 278
 ph: 1300 781744
 fx: (08) 9458 3700

Client:	Town of Port Hedland	Client Job No:	60-8887
Project:	McGregor Street Sporting Reserve (MSSR)	Order No:	
Location:		Tested Date:	19/02/2009
Sample No:	09-MT-1538	WG Job Number:	09-01-299
Sample ID:	HA3	Lab:	Welshpool

METHOD FOR DETERMINATION OF CALIFORNIA BEARING RATIO

AS1289.6.1.1 (Soaked)

**SOAKED
 MODIFIED**

COMPACTIVE EFFORT USED:

Rammer Mass (kg):	4.9
Drop Height (mm):	450
No. of Layers	5
No. Blows/Layer	28

MOISTURE CONTENTS:

At Compaction:	12.1 % - 97 % OMC
After Soaking:	20.5 % - 165 % OMC

AFTER PENETRATION

Top 30mm:	25.9
Remaining Depth (mm):	18.3

DRY DENSITY

At Compaction:	1.72 t/m ³ - 95 %MDD
After Soaking:	1.69 t/m ³ - 93 %MDD

SOAKING DETAILS

Swell (%) - Soaking Period	2.5 % - 4 Days
Surcharge (kg):	4.5

MAXIMUM DRY DENSITY

1.81 t/m³ @ OMC:12.5%
 Acc. To: AS1289.5.2.1
 Referenced from: 09-MT-1538

CALIFORNIA

BEARING RATIO: 3.5 % At 2.5mm Penetration

% Retained 19.0mm: 0 (Not Replaced)

Note: Sample supplied by client.

Approved Signatory:  (Mark .Matthews)

Date: 25/02/2009



This document is issued in accordance with NATA's accreditation requirements

Accreditation No.: 2418 Form No.PF-(AU)-[IND(MTE)]-TE-S500.LCER/A/01.01.2009

Site No.: 2411
 Cert No.: 09-MT-1538-S500
 Page: 1