Using the Power of AIMS and Autodesk® AutoCAD® Map 3D to Manage Assets and Facilities

RECEP ALAKUS

GIS Administrator – Hume City Council, Victoria - Australia

GS1452

Class summary

This session will demonstrate how Autodesk® Infrastructure Map Server software can be used with AutoCAD Map 3D software to efficiently manage and maintain assets and infrastructure without requiring a traditional tabular asset management application

Key learning objectives

At the end of this class, you will be able to:

- Explain how the network-centric base GIS Infrastructure is set up with Autodesk Infrastructure Map Server
- Use Map 3D as the primary application to create and record spatial asset objects
- Develop workflow processes between Map 3D and an Oracle database
- Create actual and themed maps and map layers to display asset condition categories with Autodesk® Infrastructure Studio

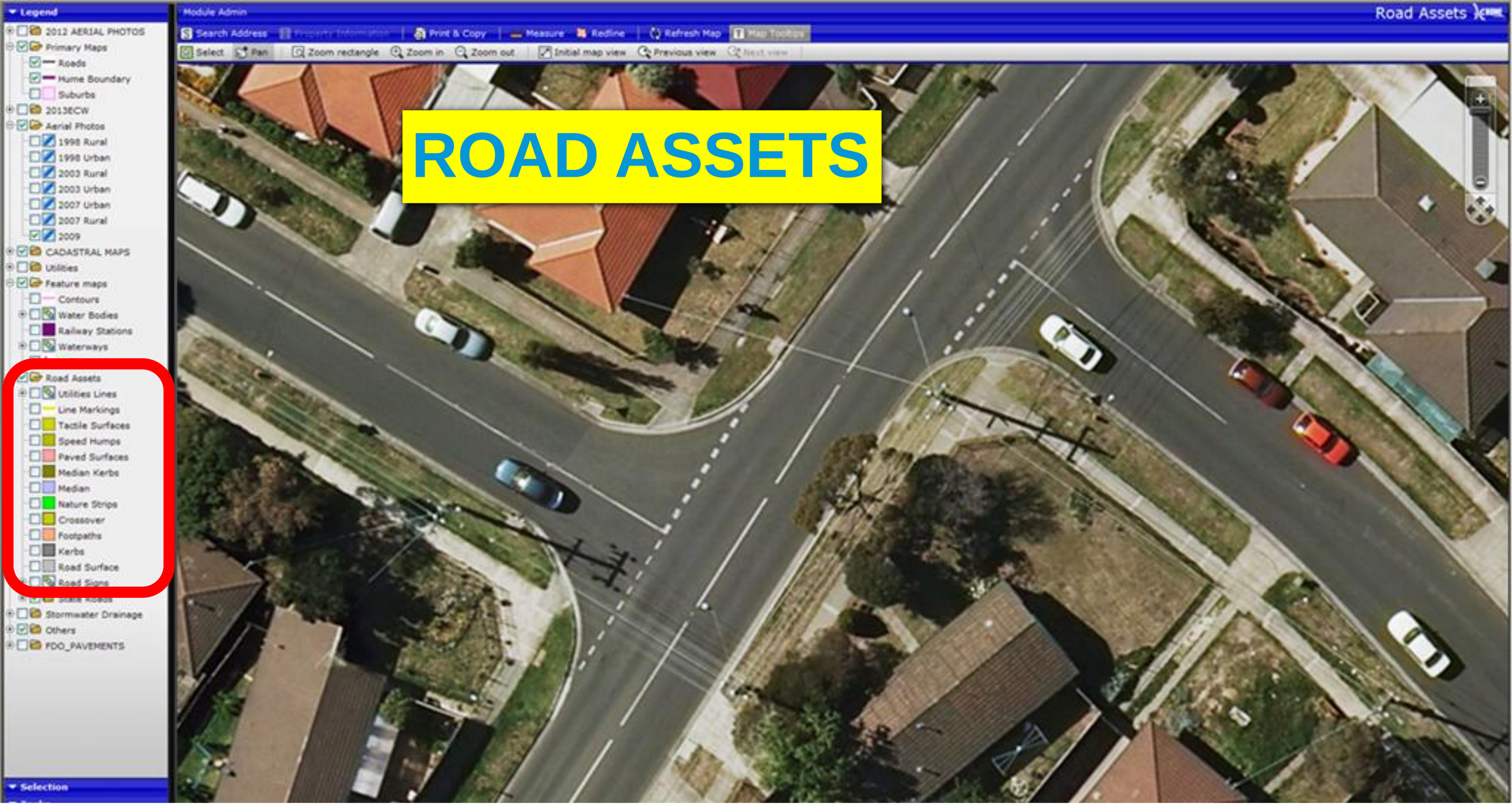
Hume City Council

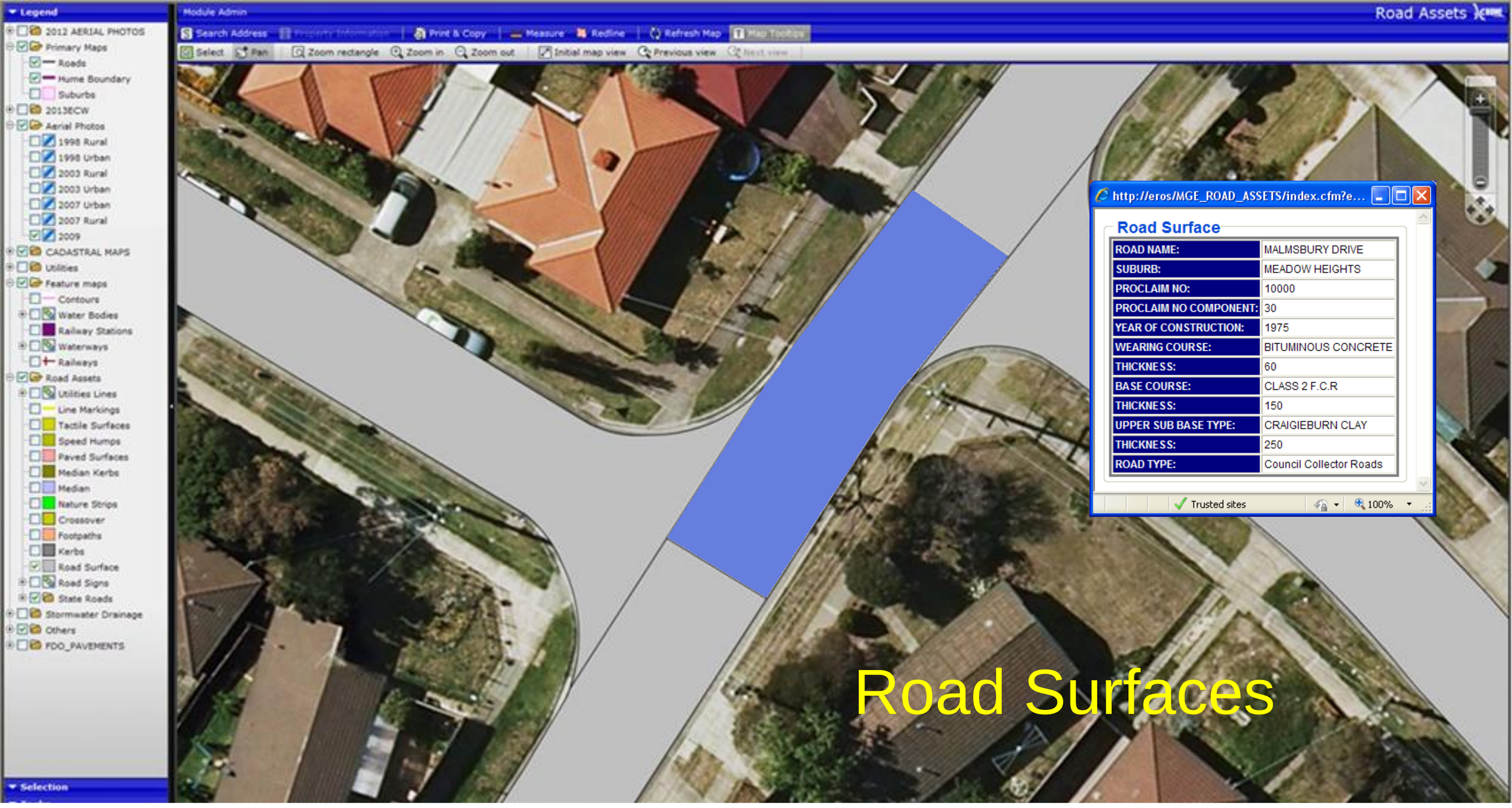
Map Room

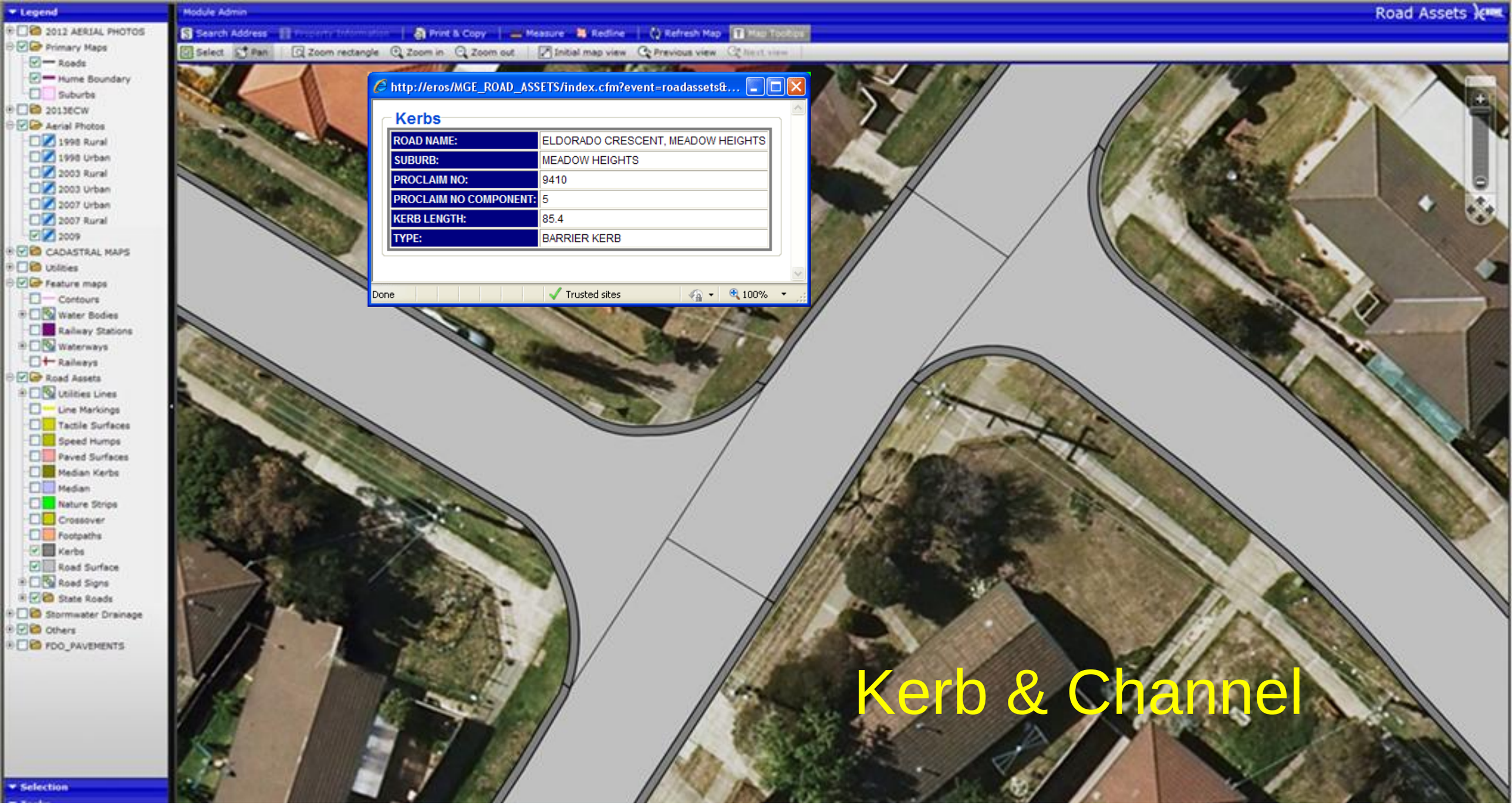
Snapshots of Asset Modules

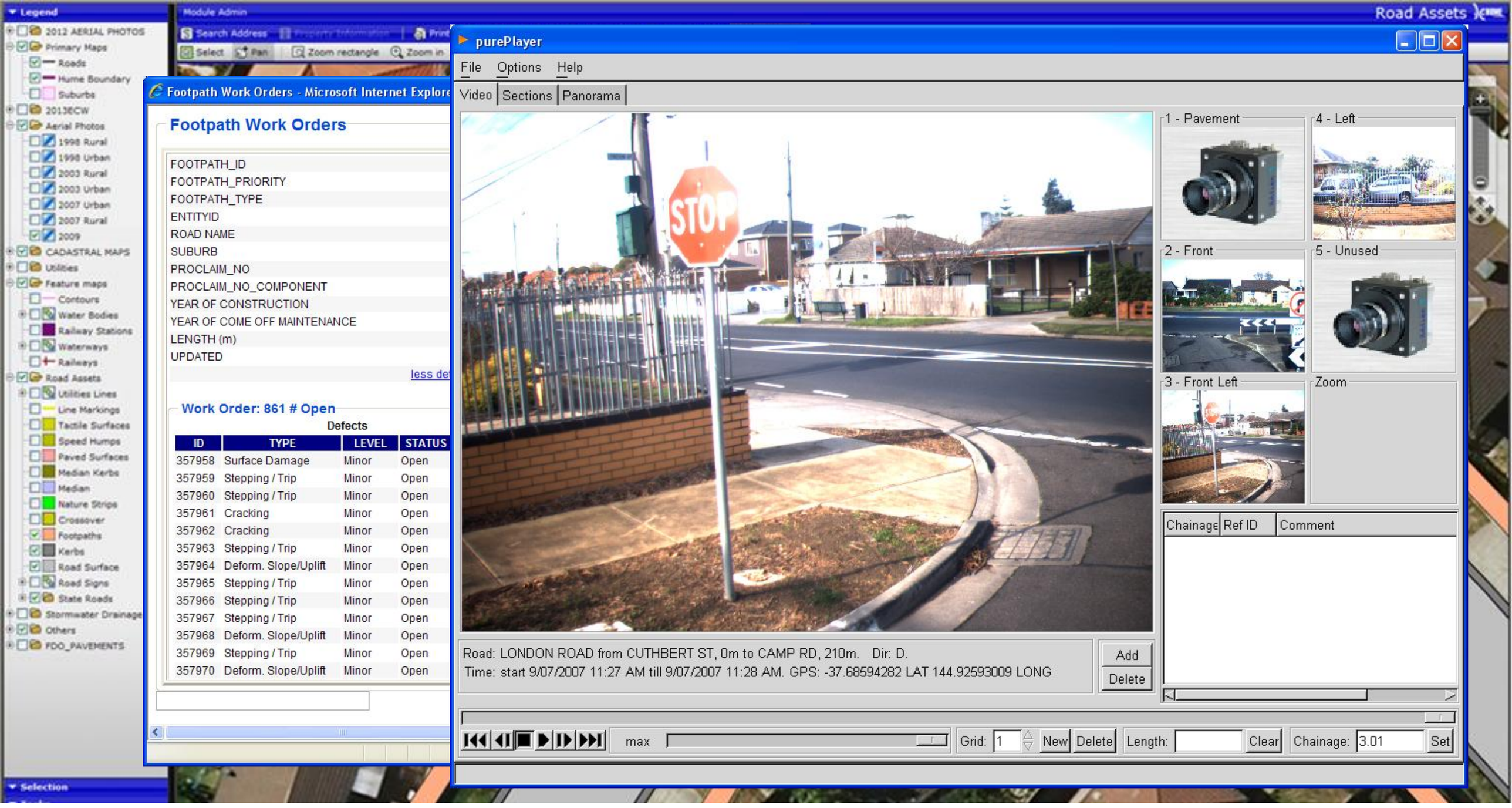

STATE OF VICTORIA
HUME CITY COUNCIL
Melbourne & Suburbs


Welcome to
Map Room
Hume Map
Statutory Planning
Demographics
Open Space
Property Valuations
City Laws
Hard Waste
IMPORTANT
How to use Map Room?
Road Assets
Footpaths
Drainage
Playgrounds
Trees
Buildings
Emergency


Legend
2012 AERIAL PHOTOS
Primary Maps
Roads
Hume Boundary
Suburbs
2013ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
2003 Urban
2007 Urban
2007 Rural
2009
CADASTRAL MAPS
Utilities
Feature maps
Contours
Water Bodies
Railway Stations
Waterways
Road Assets
Utilities Lines
Line Markings
Tactile Surfaces
Speed Humps
Paved Surfaces
Median Kerbs
Median
Nature Strips
Crossover
Footpaths
Kerbs
Road Surface
Road Signs
Stormwater Drainage
Others
FDO_PAVEMENTS
Selection
Module Admin
Road Assets
Search Address
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
ROAD ASSETS

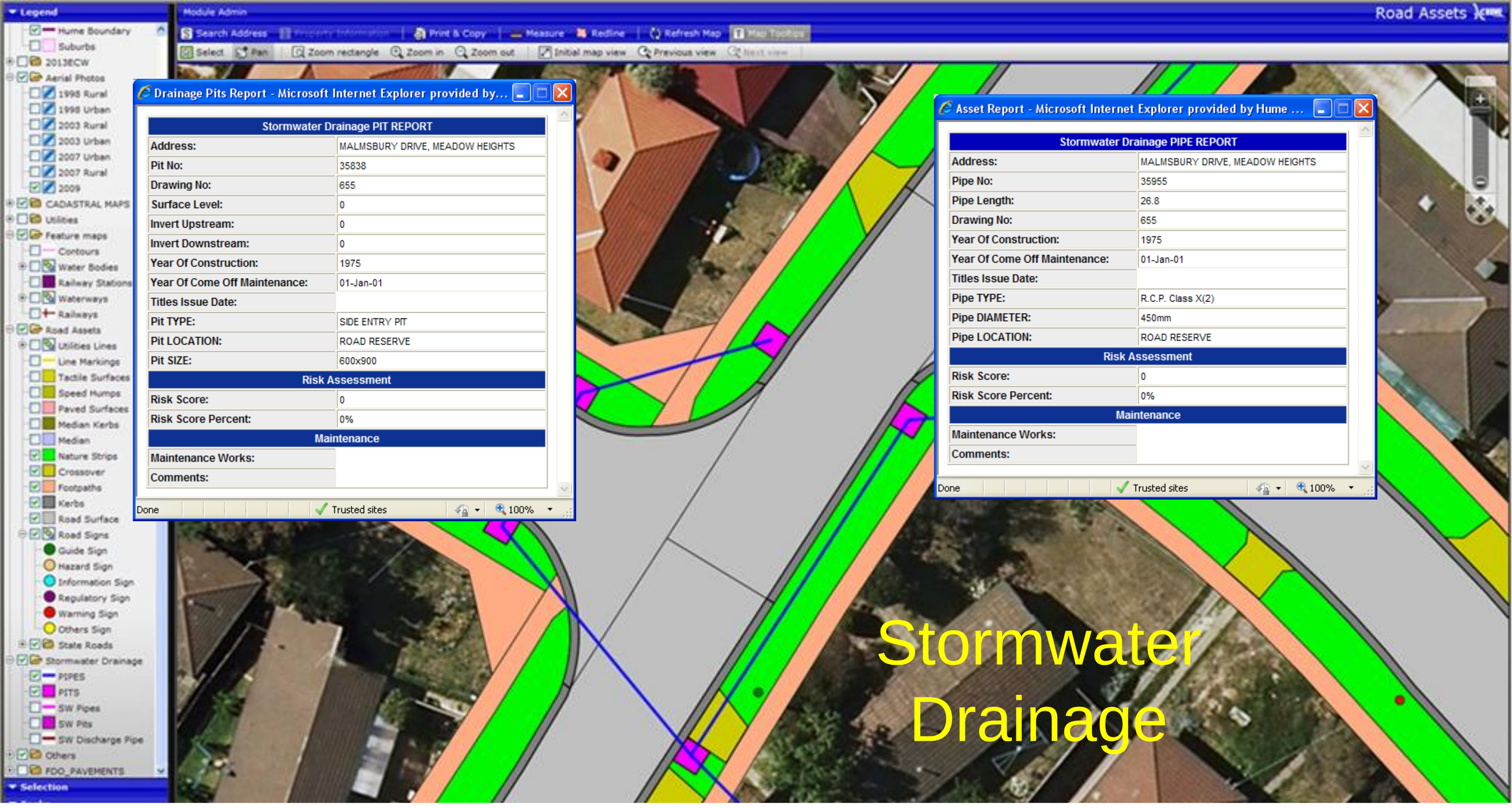

Legend
2012 AERIAL PHOTOS
Primary Maps
Roads
Hume Boundary
Suburbs
2013ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
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2007 Urban
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2009
CADASTRAL MAPS
Utilities
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Speed Humps
Paved Surfaces
Median Kerbs
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Crossover
Footpaths
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Road Surface
Road Signs
State Roads
Stormwater Drainage
Others
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Selection
Module Admin
Road Assets
Search Address
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
http://eros/MGE_ROAD_ASSETS/index.cfm?e...
Road Surface
ROAD NAME: MALMSBURY DRIVE
SUBURB: MEADOW HEIGHTS
PROCLAIM NO: 10000
PROCLAIM NO COMPONENT: 30
YEAR OF CONSTRUCTION: 1975
WEARING COURSE: BITUMINOUS CONCRETE
THICKNESS: 60
BASE COURSE: CLASS 2 F.C.R
THICKNESS: 150
UPPER SUB BASE TYPE: CRAIGIEBURN CLAY
THICKNESS: 250
ROAD TYPE: Council Collector Roads
Trusted sites
100%
Road Surfaces


Legend
2012 AERIAL PHOTOS
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2013ECW
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2007 Urban
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Crossover
Footpaths
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Road Surface
Road Signs
State Roads
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Others
FDO_PAVEMENTS
Selection
Module Admin
Road Assets
Search Address
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
http://eros/MGE_ROAD_ASSETS/index.cfm?event=roadassets&...
Kerbs
ROAD NAME: ELDORADO CRESCENT, MEADOW HEIGHTS
SUBURB: MEADOW HEIGHTS
PROCLAIM NO: 9410
PROCLAIM NO COMPONENT: 5
KERB LENGTH: 85.4
TYPE: BARRIER KERB
Done
Trusted sites
100%
Kerb & Channel

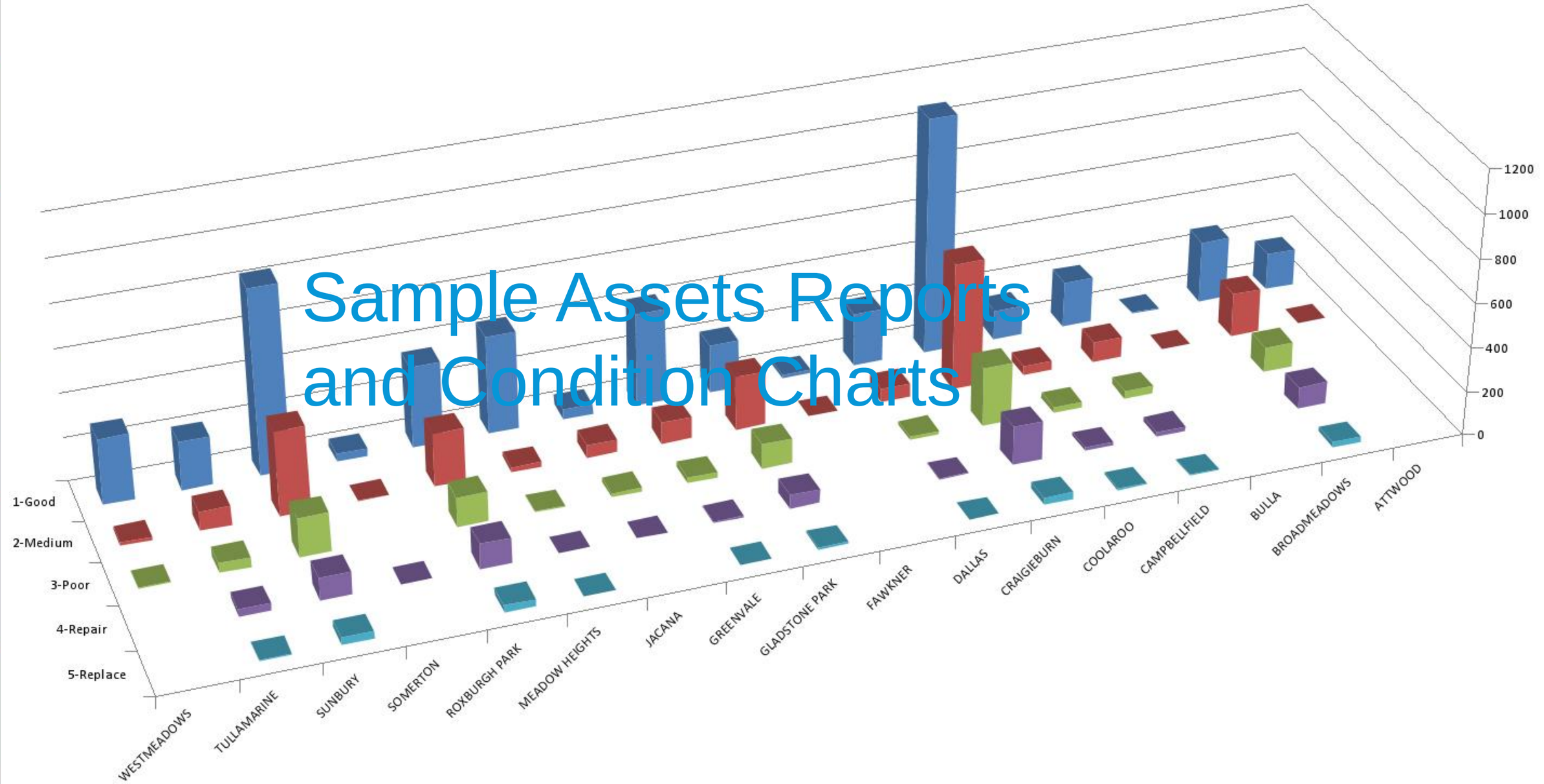

Legend
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Median
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Road Surface
Road Signs
State Roads
Stormwater Drainage
Others
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Selection
Module Admin
Search Address
Select
Pan
Zoom rectangle
Zoom in
Road Assets
Footpath Work Orders - Microsoft Internet Explore
Footpath Work Orders
FOOTPATH_ID
FOOTPATH_PRIORITY
FOOTPATH_TYPE
ENTITYID
ROAD NAME
SUBURB
PROCLAIM_NO
PROCLAIM_NO_COMPONENT
YEAR OF CONSTRUCTION
YEAR OF COME OFF MAINTENANCE
LENGTH (m)
UPDATED
less de
Work Order: 861 # Open
Defects
ID TYPE LEVEL STATUS
357958 Surface Damage Minor Open
357959 Stepping / Trip Minor Open
357960 Stepping / Trip Minor Open
357961 Cracking Minor Open
357962 Cracking Minor Open
357963 Stepping / Trip Minor Open
357964 Deform. Slope/Uplift Minor Open
357965 Stepping / Trip Minor Open
357966 Stepping / Trip Minor Open
357967 Stepping / Trip Minor Open
357968 Deform. Slope/Uplift Minor Open
357969 Stepping / Trip Minor Open
357970 Deform. Slope/Uplift Minor Open
purePlayer
File Options Help
Video Sections Panorama
STOP
1 - Pavement
4 - Left
2 - Front
5 - Unused
3 - Front Left
Zoom
Chainage Ref ID Comment
Road: LONDON ROAD from CUTHBERT ST, 0m to CAMP RD, 210m. Dir: D.
Time: start 9/07/2007 11:27 AM till 9/07/2007 11:28 AM. GPS: -37.68594282 LAT 144.92593009 LONG
Add
Delete
max
Grid: 1 New Delete
Length: Clear
Chainage: 3.01 Set

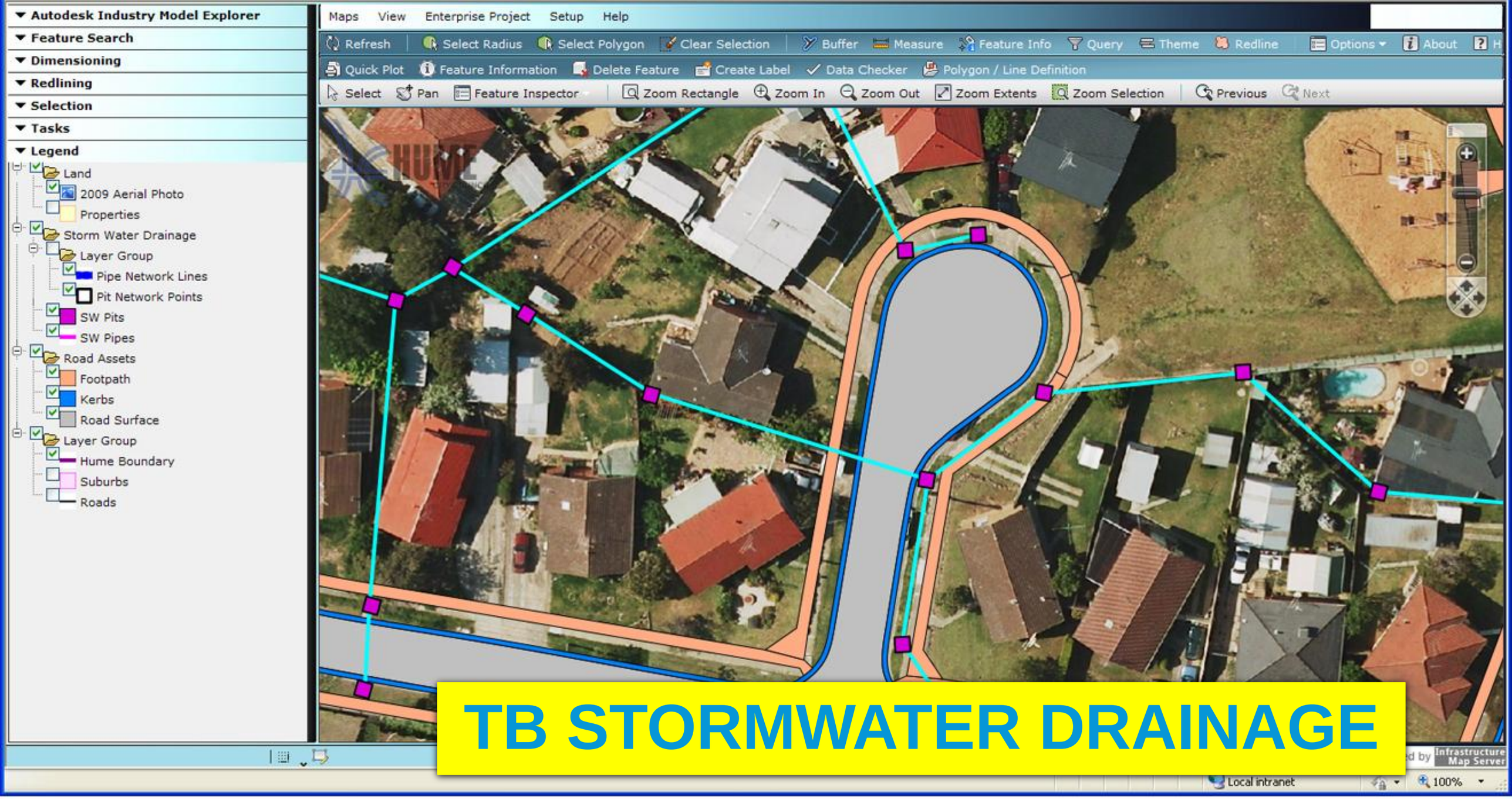

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Footpaths
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Road Surface
Road Signs
State Roads
Stormwater Drainage
Others
FDO_PAVEMENTS
Selection
Module Admin
Road Assets
Search Address
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view

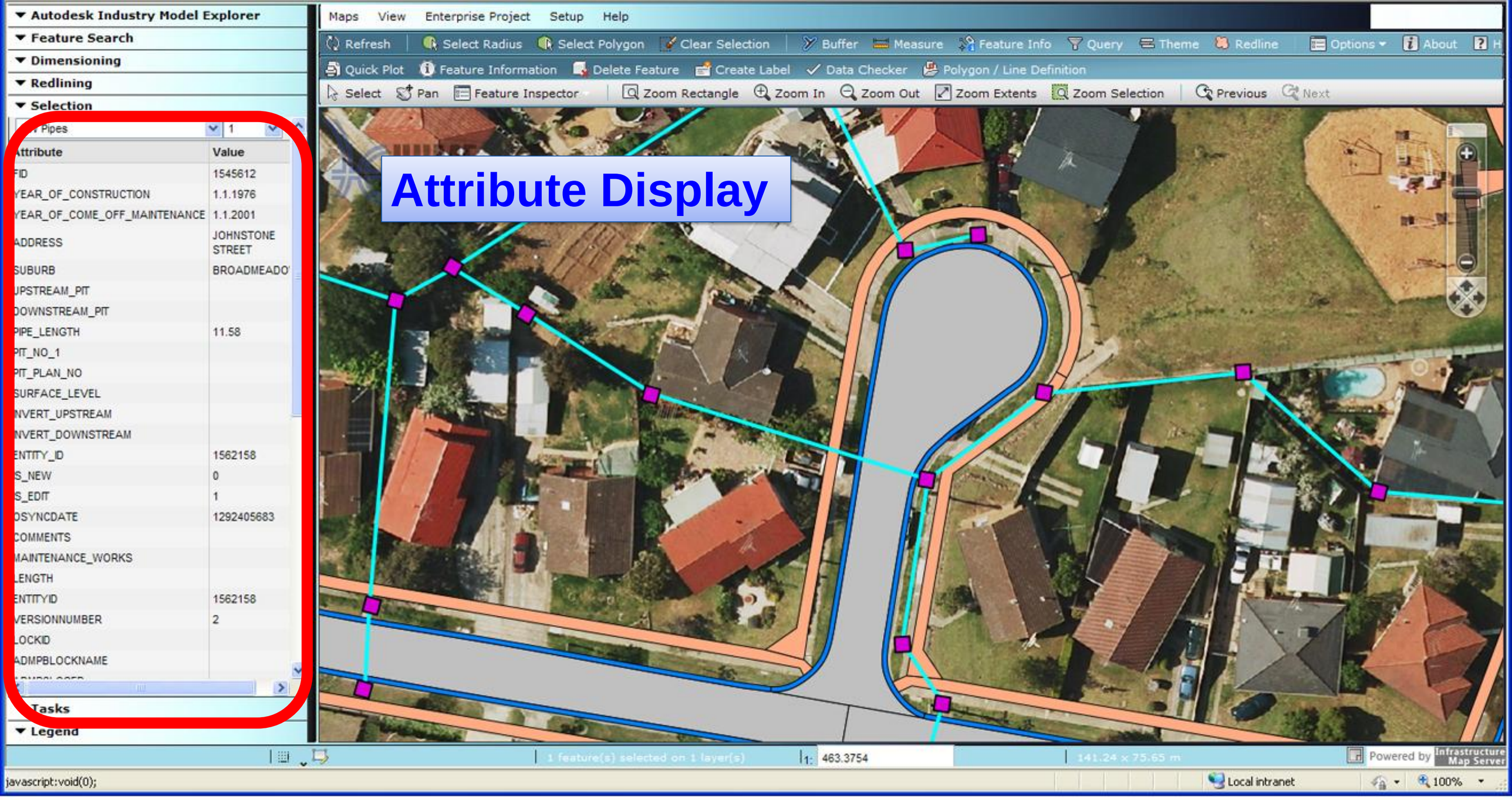

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Speed Humps
Paved Surfaces
Median Kerbs
Median
Nature Strips
Crossover
Footpaths
Kerbs
Road Signs
Guide Sign
Hazard Sign
Information Sign
Regulatory Sign
Warning Sign
Others Sign
State Roads
Others
FDO_PAVEMENTS
Selection
Module Admin
Road Assets
Search Address
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Zoom out
Sign Report - Microsoft Internet Explor..
SIGNS REPORT
Sign ID: 19210
Pole Type: SINGLE
Sign Type: Warning
Width x Height:
CROSSING AHEAD
Done
100%
Sign Report - Microsoft Internet Explor..
SIGNS REPORT
Sign ID: 6580
Pole Type: MULTIPLE
Sign Type: Hazard
Width x Height:
Done
100%
Sign Report - Microsoft Internet Explor..
SIGNS REPORT
Sign ID: 4289
Pole Type: P and L Poles
Sign Type: Guide
Width x Height:
Done
100%
Sign Report - Microsoft Internet Explor..
SIGNS REPORT
Sign ID: 7420
Pole Type: SINGLE
Sign Type: Regulatory
Width x Height:
STOP
Done
100%
Sign Report - Microsoft Internet Explor..
SIGNS REPORT
Sign ID: 1720
Pole Type: SINGLE
Sign Type: Regulatory
Width x Height:
GIVE WAY
Done
100%
Road Signs

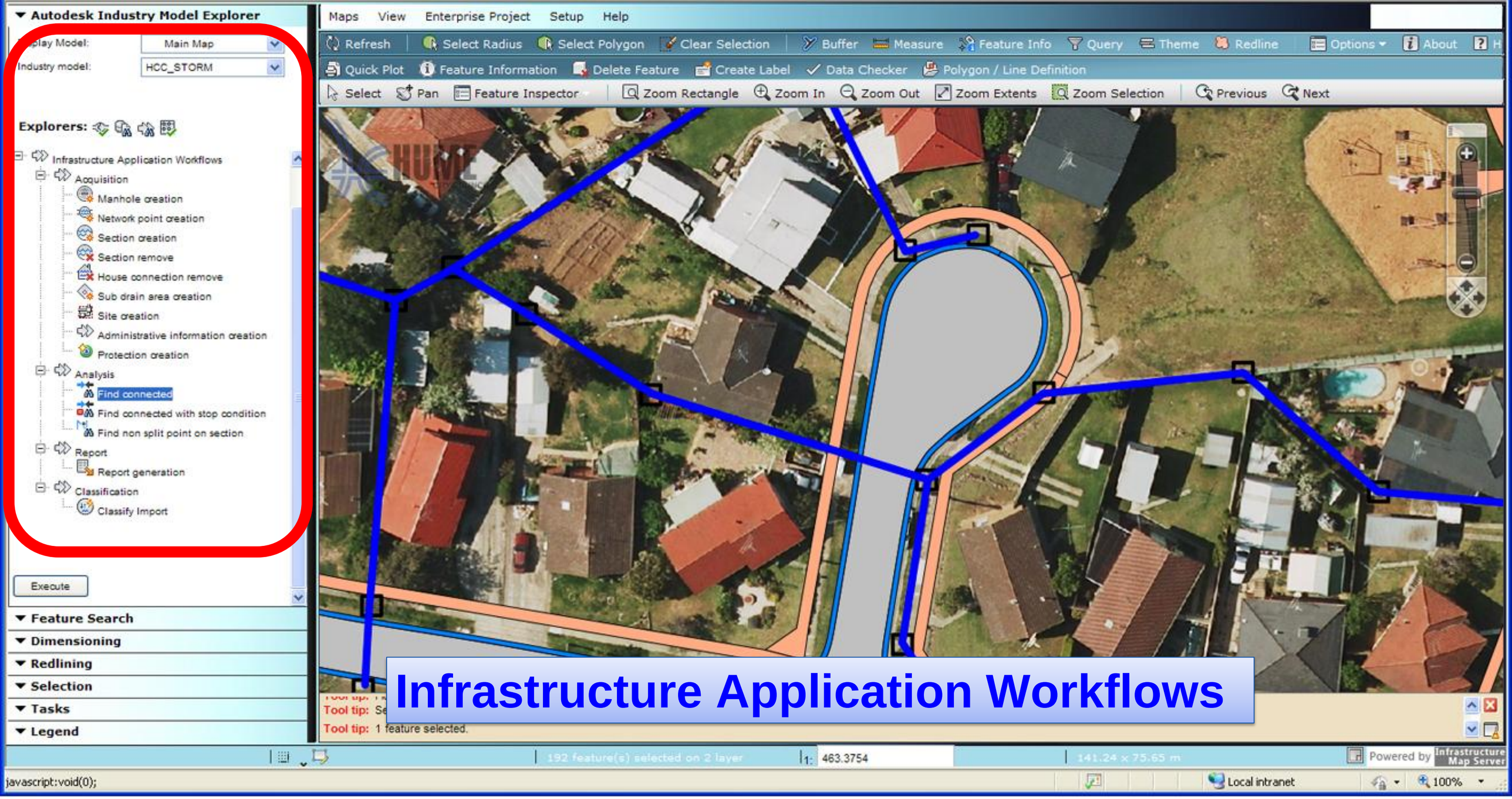

Legend
Module Admin
Road Assets
Search Address
Print & Copy
Measure
Redline
Refresh Map
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Drainage Pits Report - Microsoft Internet Explorer provided by...
Stormwater Drainage PIT REPORT
Address: MALMSBURY DRIVE, MEADOW HEIGHTS
Pit No: 35838
Drawing No: 655
Surface Level: 0
Invert Upstream: 0
Invert Downstream: 0
Year Of Construction: 1975
Year Of Come Off Maintenance: 01-Jan-01
Titles Issue Date:
Pit TYPE: SIDE ENTRY PIT
Pit LOCATION: ROAD RESERVE
Pit SIZE: 600x900
Risk Assessment
Risk Score: 0
Risk Score Percent: 0%
Maintenance
Maintenance Works:
Comments:
Done
Trusted sites
100%
Asset Report - Microsoft Internet Explorer provided by Hume ...
Stormwater Drainage PIPE REPORT
Address: MALMSBURY DRIVE, MEADOW HEIGHTS
Pipe No: 35955
Pipe Length: 26.8
Drawing No: 655
Year Of Construction: 1975
Year Of Come Off Maintenance: 01-Jan-01
Titles Issue Date:
Pipe TYPE: R.C.P. Class X(2)
Pipe DIAMETER: 450mm
Pipe LOCATION: ROAD RESERVE
Risk Assessment
Risk Score: 0
Risk Score Percent: 0%
Maintenance
Maintenance Works:
Comments:
Done
Trusted sites
100%
Stormwater
Drainage

Sample Assets Reports and Condition Charts

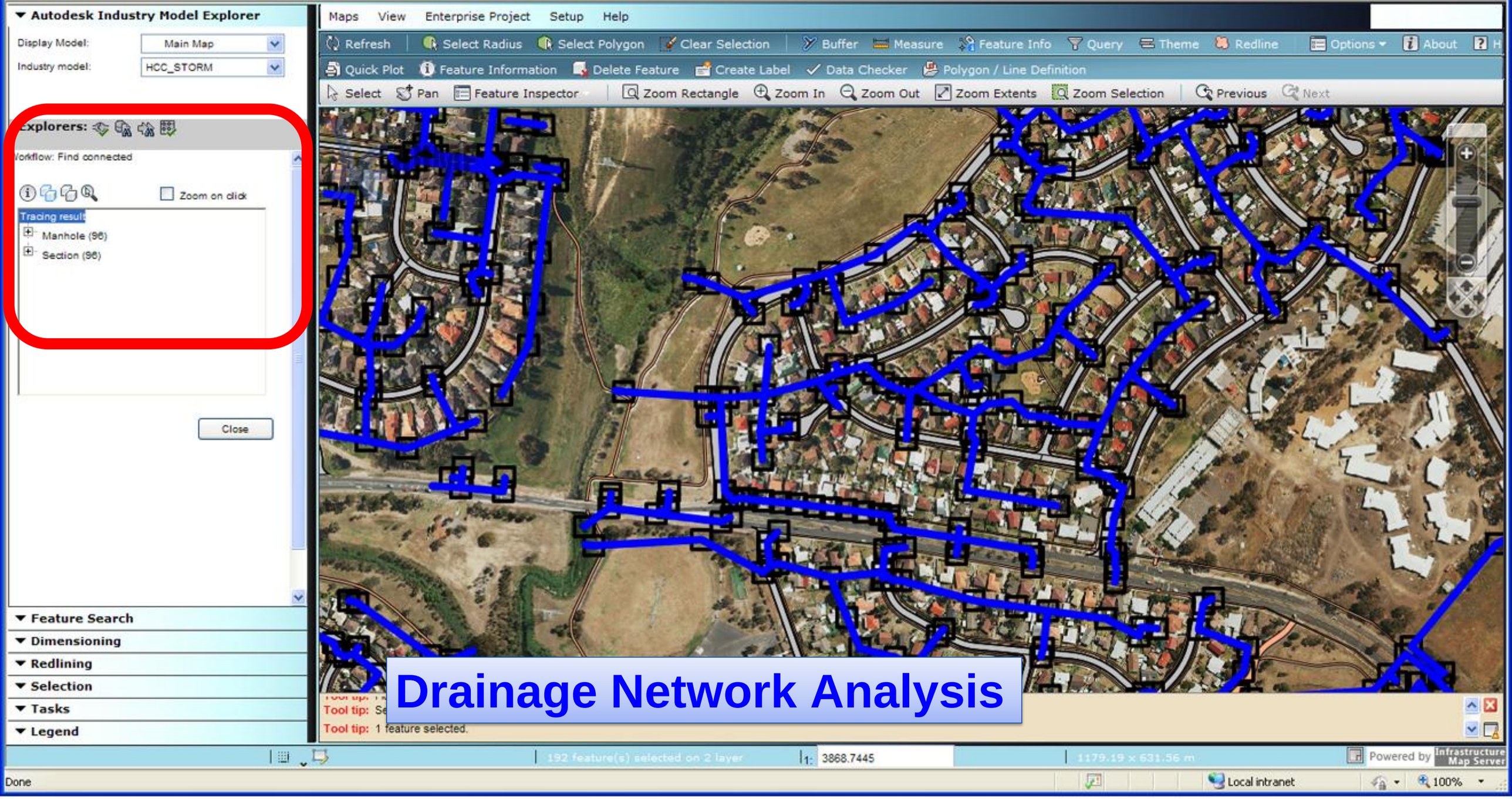


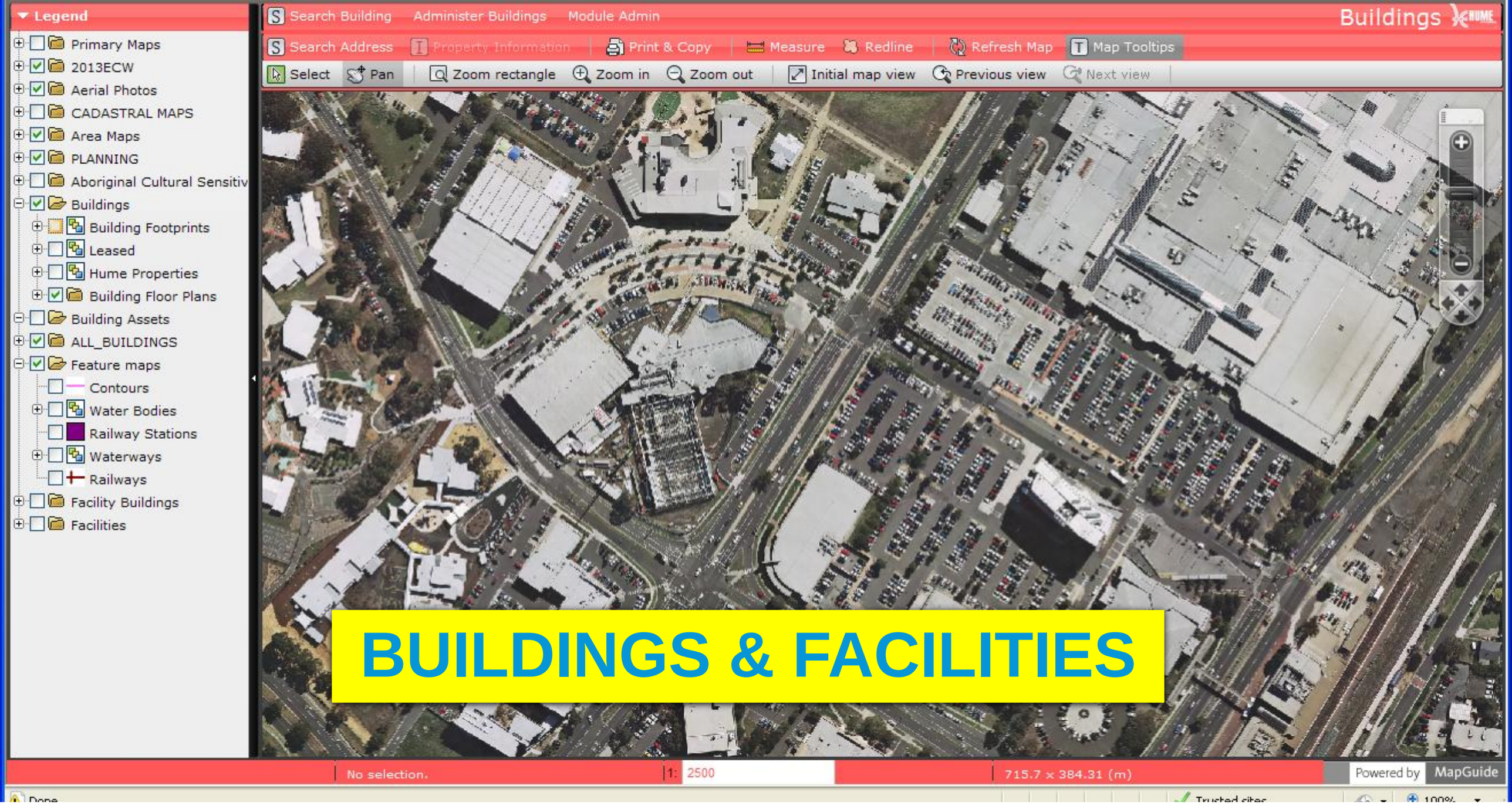

Autodesk Industry Model Explorer
Feature Search
Dimensioning
Redlining
Selection
Tasks
Legend
Land
2009 Aerial Photo
Properties
Storm Water Drainage
Layer Group
Pipe Network Lines
Pit Network Points
SW Pits
SW Pipes
Road Assets
Footpath
Kerbs
Road Surface
Layer Group
Hume Boundary
Suburbs
Roads
Maps
View
Enterprise Project
Setup
Help
Refresh
Select Radius
Select Polygon
Clear Selection
Buffer
Measure
Feature Info
Query
Theme
Redline
Options
About
Quick Plot
Feature Information
Delete Feature
Create Label
Data Checker
Polygon / Line Definition
Select
Pan
Feature Inspector
Zoom Rectangle
Zoom In
Zoom Out
Zoom Extents
Zoom Selection
Previous
Next
TB STORMWATER DRAINAGE
Local intranet
100%

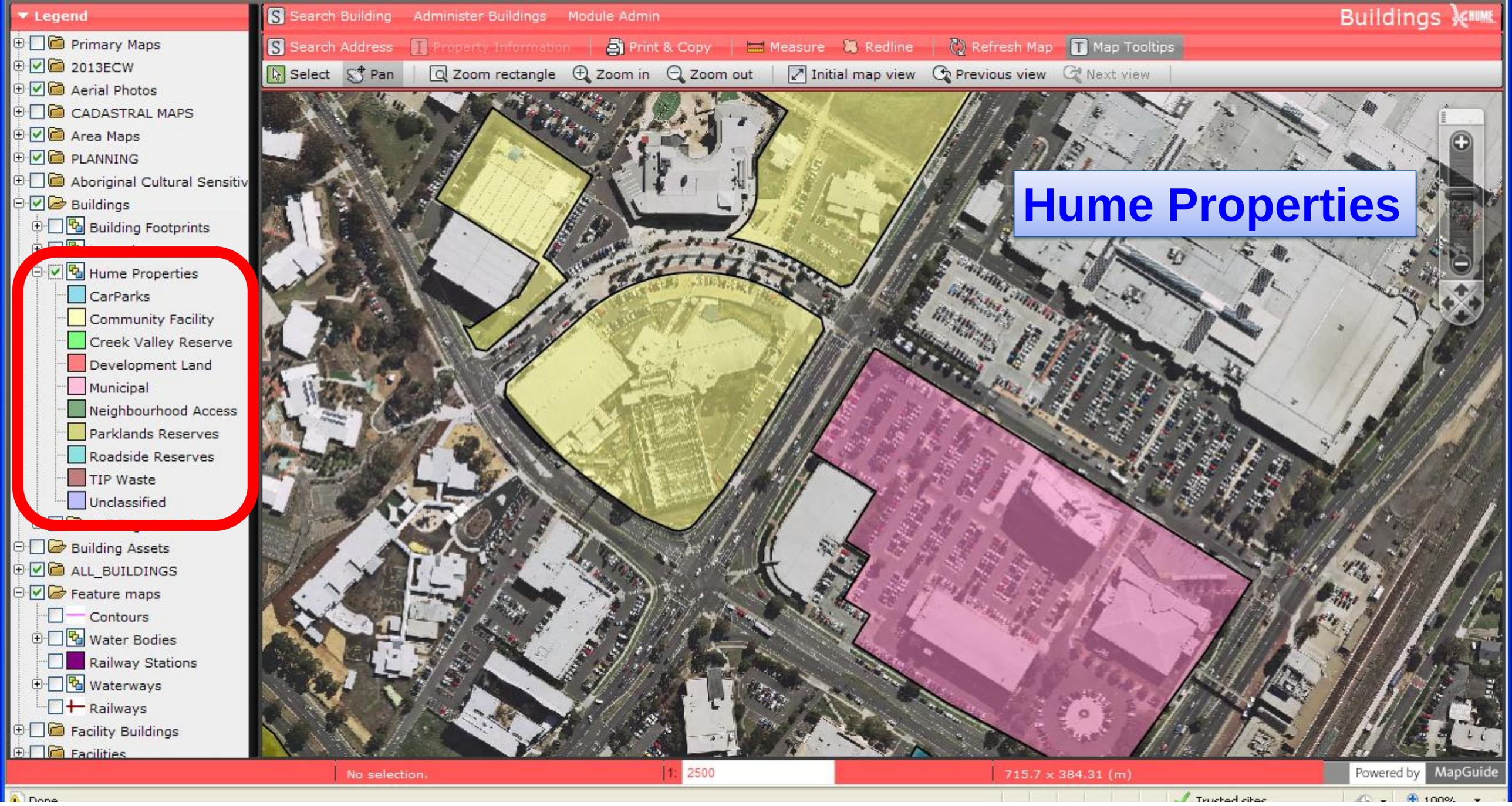

Autodesk Industry Model Explorer
Feature Search
Dimensioning
Redlining
Selection
Pipes
1
Attribute
Value
FID
1545612
YEAR_OF_CONSTRUCTION
1.1.1976
YEAR_OF_COME_OFF_MAINTENANCE
1.1.2001
ADDRESS
JOHNSTONE STREET
SUBURB
BROADMEADO
UPSTREAM_PIT
DOWNSTREAM_PIT
PIPE_LENGTH
11.58
PIT_NO_1
PIT_PLAN_NO
SURFACE_LEVEL
INVERT_UPSTREAM
INVERT_DOWNSTREAM
ENTITY_ID
1562158
S_NEW
0
S_EDIT
1
OSYNCDATE
1292405683
COMMENTS
MAINTENANCE_WORKS
LENGTH
ENTITYID
1562158
VERSIONNUMBER
2
LOCKID
ADMPBLOCKNAME
Tasks
Legend
Maps
View
Enterprise Project
Setup
Help
Refresh
Select Radius
Select Polygon
Clear Selection
Buffer
Measure
Feature Info
Query
Theme
Redline
Options
About
Quick Plot
Feature Information
Delete Feature
Create Label
Data Checker
Polygon / Line Definition
Select
Pan
Feature Inspector
Zoom Rectangle
Zoom In
Zoom Out
Zoom Extents
Zoom Selection
Previous
Next
Attribute Display
1 feature(s) selected on 1 layer(s)
463.3754
141.24 x 75.65 m
Powered by Infrastructure Map Server
javascript:void(0);
Local intranet
100%

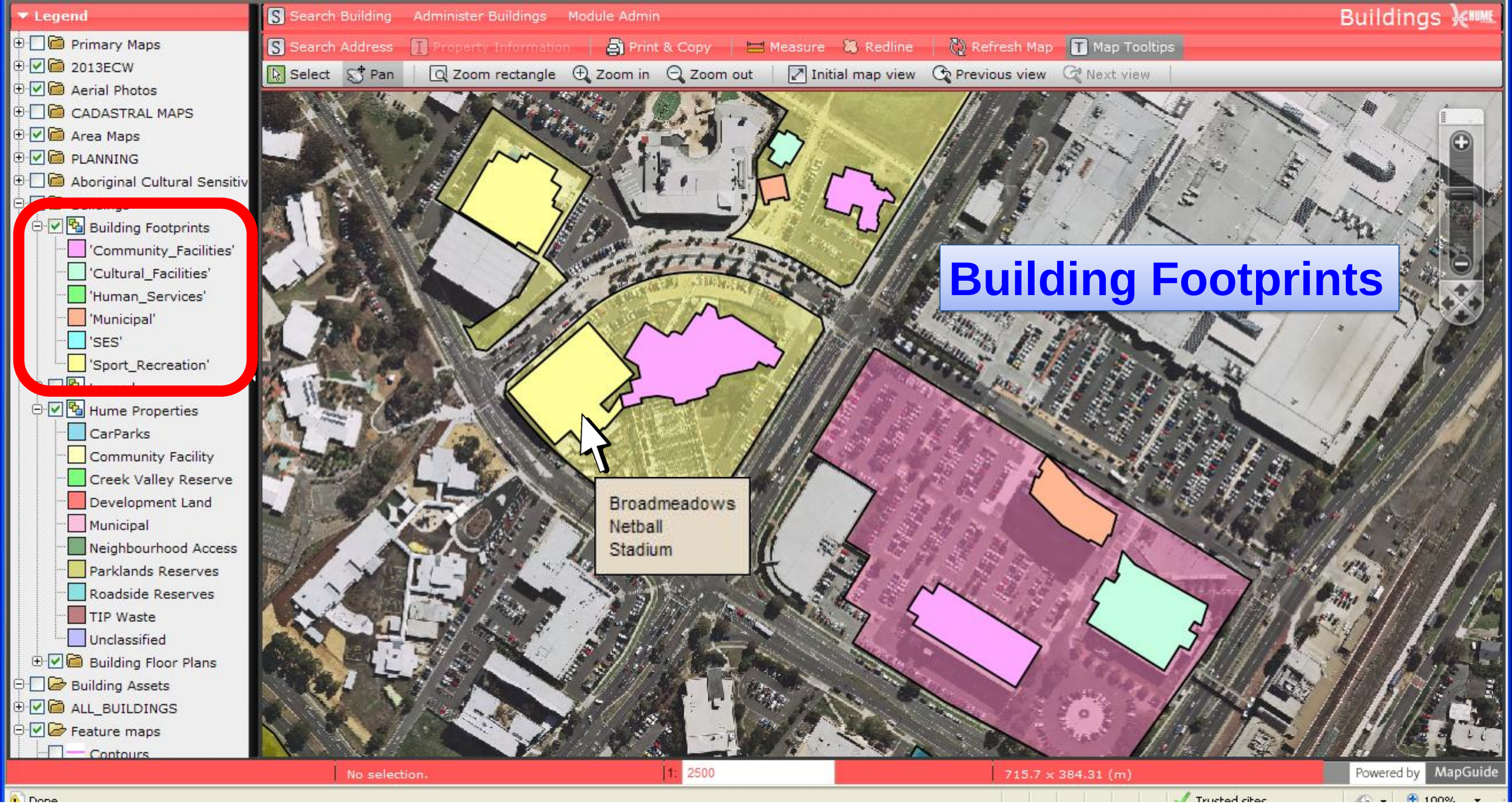


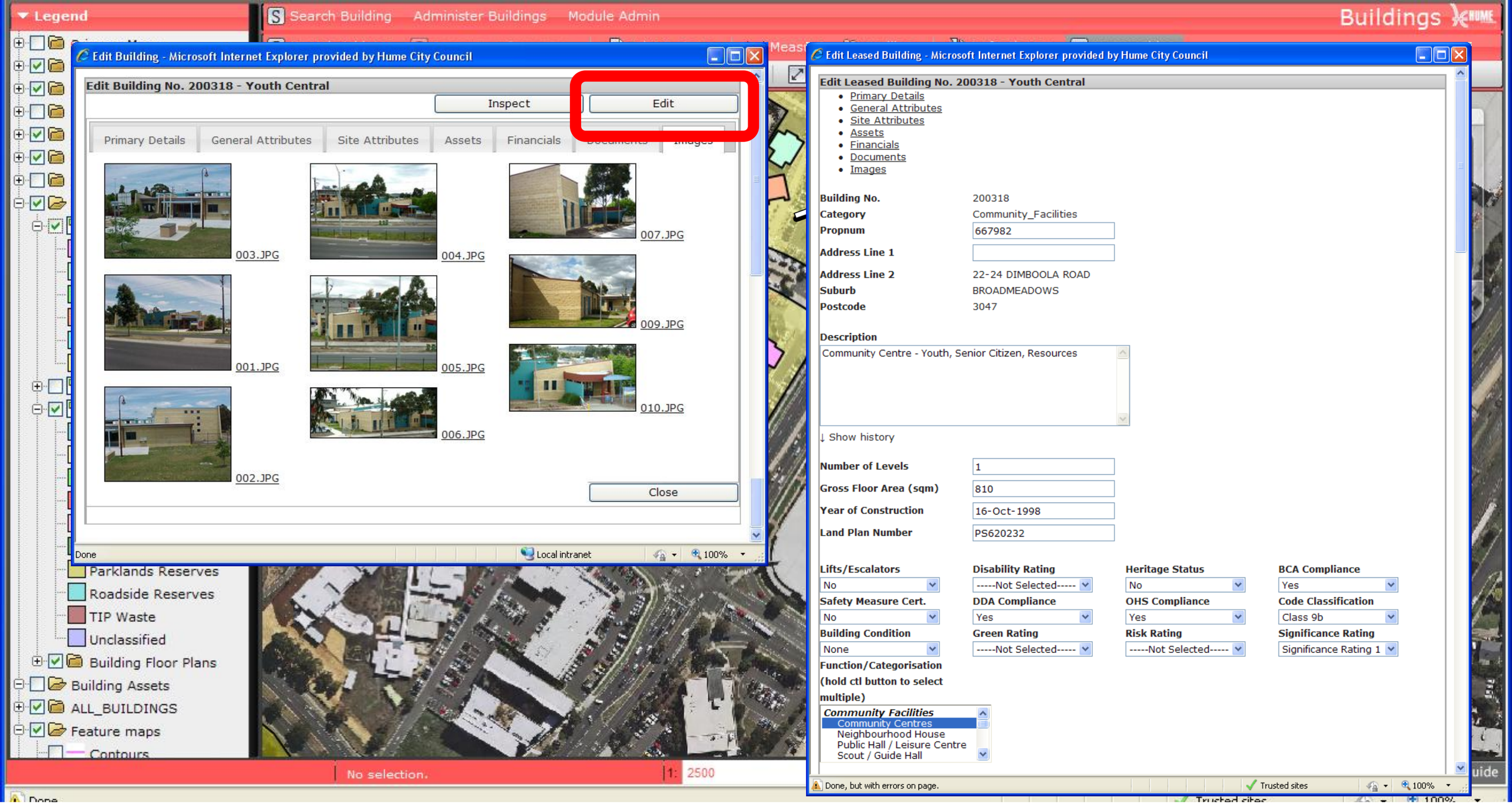
Infrastructure Application Workflows


Autodesk Industry Model Explorer
Display Model:
Main Map
Industry model:
HCC_STORM
Explorers:
Workflow: Find connected
Zoom on click
Tracing result
Manhole (96)
Section (96)
Close
Feature Search
Dimensioning
Redlining
Selection
Tasks
Legend
Maps
View
Enterprise Project
Setup
Help
Refresh
Select Radius
Select Polygon
Clear Selection
Buffer
Measure
Feature Info
Query
Theme
Redline
Options
About
Quick Plot
Feature Information
Delete Feature
Create Label
Data Checker
Polygon / Line Definition
Select
Pan
Feature Inspector
Zoom Rectangle
Zoom In
Zoom Out
Zoom Extents
Zoom Selection
Previous
Next
Drainage Network Analysis
Tool tip:
Tool tip: 1 feature selected.
192 feature(s) selected on 2 layer
3868.7445
1179.19 x 631.56 m
Powered by Infrastructure Map Server
Done
Local intranet
100%

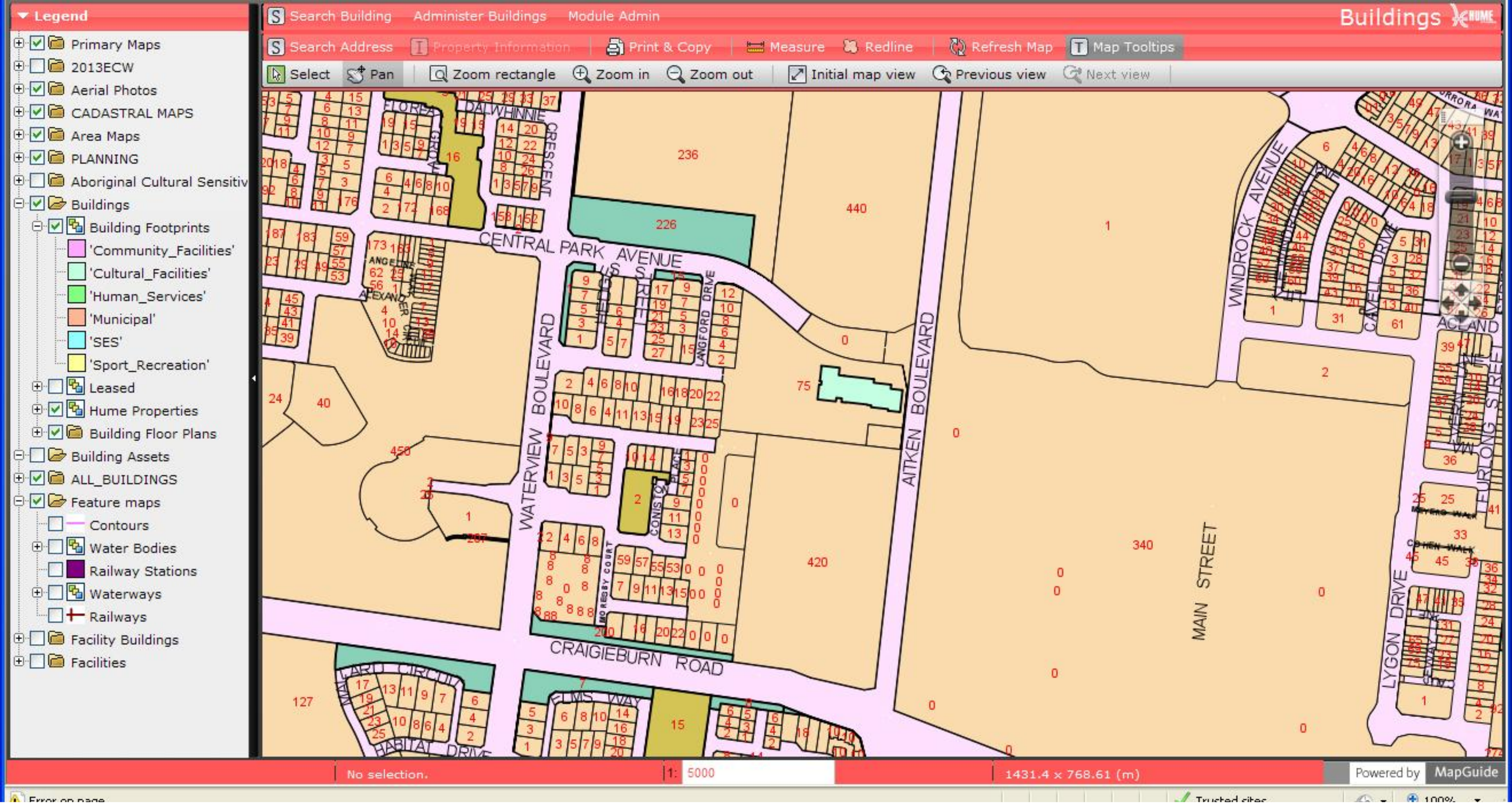

Legend
Primary Maps
2013ECW
Aerial Photos
CADASTRAL MAPS
Area Maps
PLANNING
Aboriginal Cultural Sensitiv
Buildings
Building Footprints
Leased
Hume Properties
Building Floor Plans
Building Assets
ALL_BUILDINGS
Feature maps
Contours
Water Bodies
Railway Stations
Waterways
Railways
Facility Buildings
Facilities
Search Building
Administer Buildings
Module Admin
Buildings
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
BUILDINGS & FACILITIES
No selection.
1: 2500
715.7 x 384.31 (m)
Powered by
MapGuide

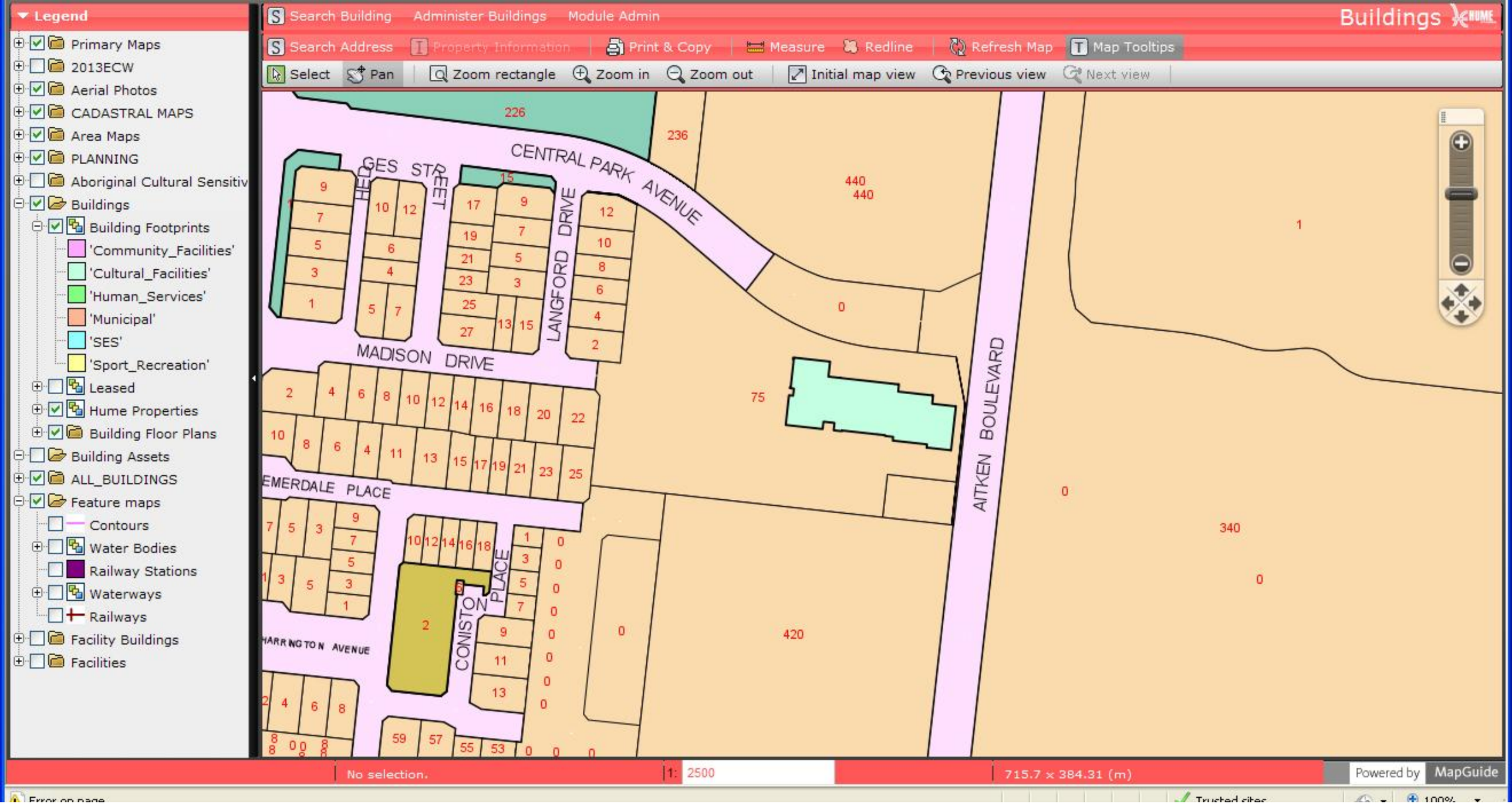

Legend
Primary Maps
2013ECW
Aerial Photos
CADASTRAL MAPS
Area Maps
PLANNING
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Buildings
Building Footprints
Hume Properties
CarParks
Community Facility
Creek Valley Reserve
Development Land
Municipal
Neighbourhood Access
Parklands Reserves
Roadside Reserves
TIP Waste
Unclassified
Building Assets
ALL_BUILDINGS
Feature maps
Contours
Water Bodies
Railway Stations
Waterways
Railways
Facility Buildings
Facilities
Search Building
Administer Buildings
Module Admin
Buildings
Search Address
Property Information
Print & Copy
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Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
Hume Properties
No selection.
1: 2500
715.7 x 384.31 (m)
Powered by MapGuide

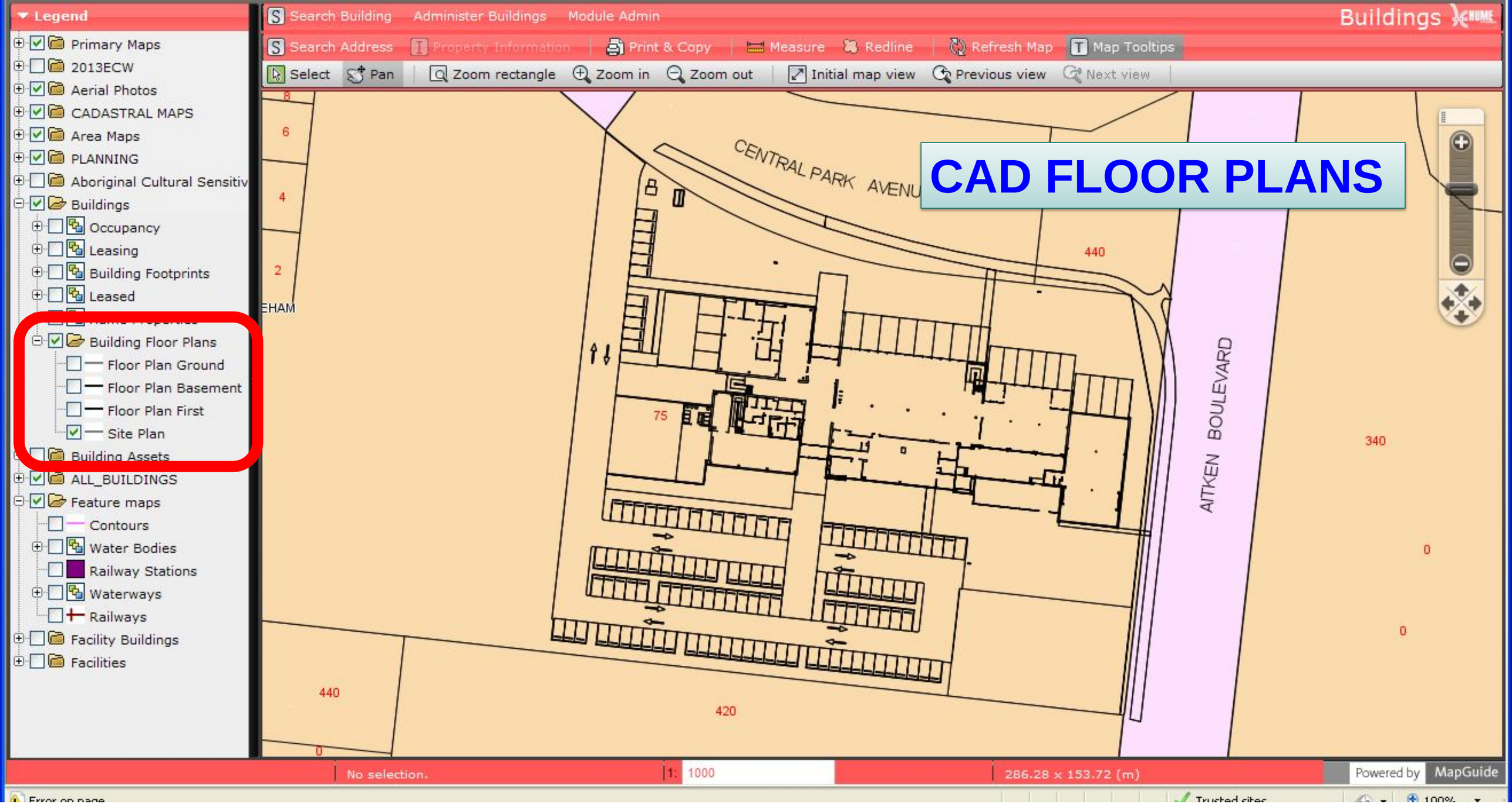

Legend
Primary Maps
2013ECW
Aerial Photos
CADASTRAL MAPS
Area Maps
PLANNING
Aboriginal Cultural Sensitiv
Building Footprints
'Community_Facilities'
'Cultural_Facilities'
'Human_Services'
'Municipal'
'SES'
'Sport_Recreation'
Hume Properties
CarParks
Community Facility
Creek Valley Reserve
Development Land
Municipal
Neighbourhood Access
Parklands Reserves
Roadside Reserves
TIP Waste
Unclassified
Building Floor Plans
Building Assets
ALL_BUILDINGS
Feature maps
Contours
Search Building
Administer Buildings
Module Admin
Buildings
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
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Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
Building Footprints
Broadmeadows
Netball
Stadium
No selection.
1: 2500
715.7 x 384.31 (m)
Powered by MapGuide

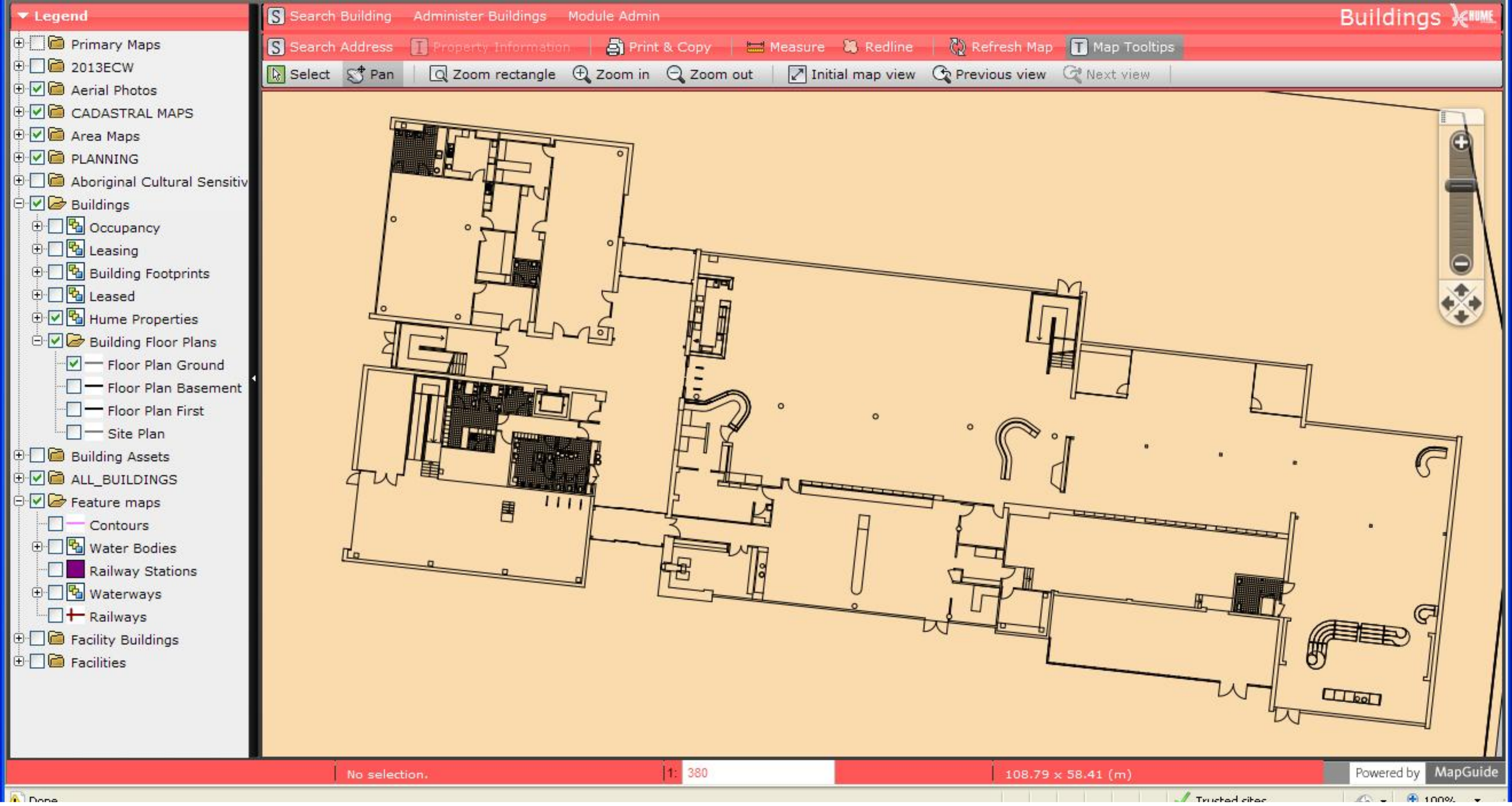

Legend
Search Building
Administer Buildings
Module Admin
Buildings
Edit Building - Microsoft Internet Explorer provided by Hume City Council
Edit Building No. 200318 - Youth Central
Inspect
Edit
Primary Details
General Attributes
Site Attributes
Assets
Financials
Images
003.JPG
004.JPG
007.JPG
001.JPG
005.JPG
009.JPG
010.JPG
002.JPG
006.JPG
Close
Done
Local intranet
100%
Edit Leased Building - Microsoft Internet Explorer provided by Hume City Council
Edit Leased Building No. 200318 - Youth Central
Primary Details
General Attributes
Site Attributes
Assets
Financials
Documents
Images
Building No. 200318
Category Community_Facilities
Propnum 667982
Address Line 1
Address Line 2 22-24 DIMBOOLA ROAD
Suburb BROADMEADOWS
Postcode 3047
Description
Community Centre - Youth, Senior Citizen, Resources
Show history
Number of Levels 1
Gross Floor Area (sqm) 810
Year of Construction 16-Oct-1998
Land Plan Number PS620232
Lifts/Escalators No
Disability Rating -----Not Selected-----
Heritage Status No
BCA Compliance Yes
Safety Measure Cert. No
DDA Compliance Yes
OHS Compliance Yes
Code Classification Class 9b
Building Condition None
Green Rating -----Not Selected-----
Risk Rating -----Not Selected-----
Significance Rating Significance Rating 1
Function/Categorisation (hold ctl button to select multiple)
Community Facilities
Community Centres
Neighbourhood House
Public Hall / Leisure Centre
Scout / Guide Hall
Done, but with errors on page.
Trusted sites
100%
Parklands Reserves
Roadside Reserves
TIP Waste
Unclassified
Building Floor Plans
Building Assets
ALL_BUILDINGS
Feature maps
Contours
No selection.
1: 2500

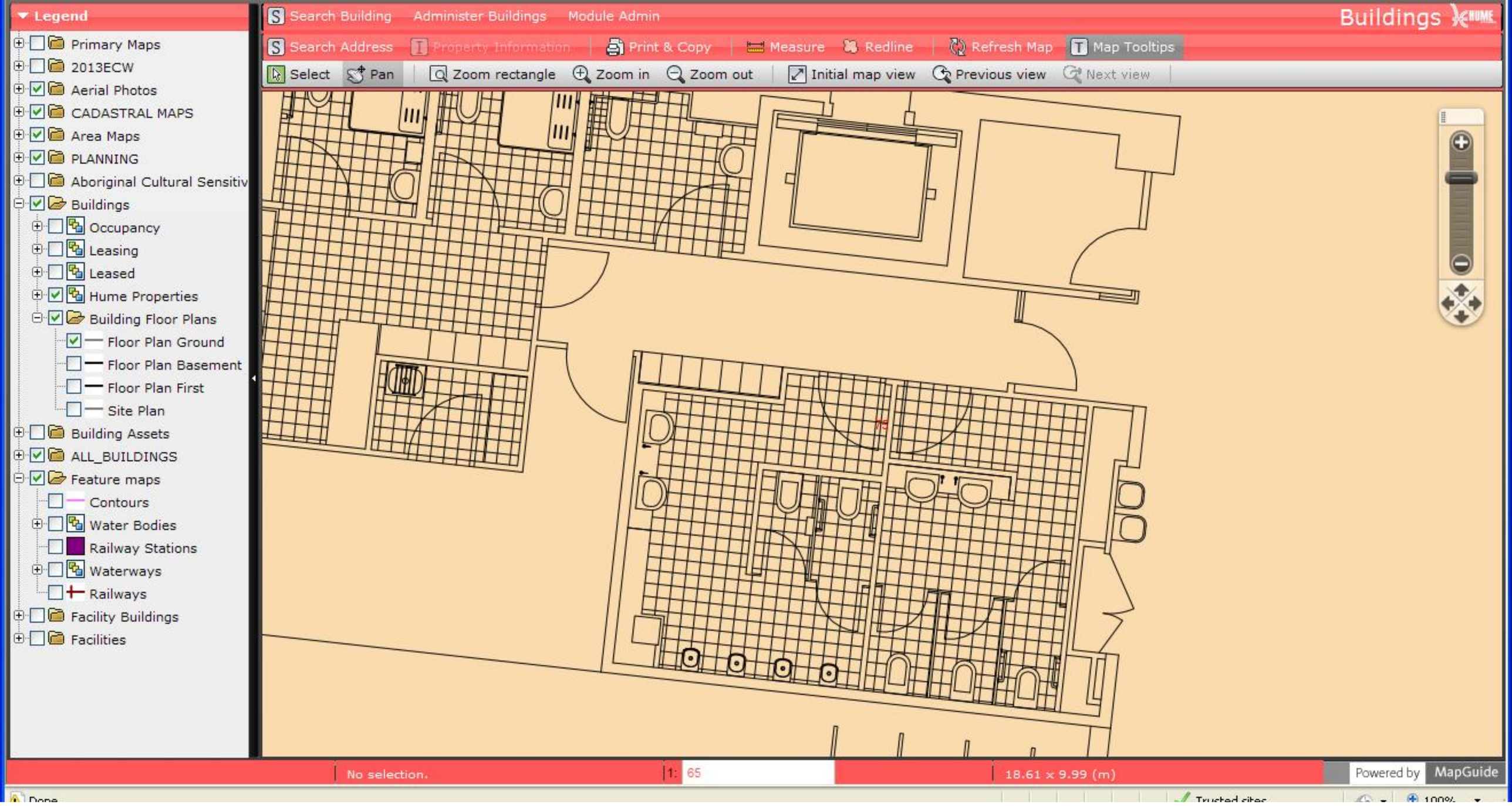

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PLANN
Aborig
Buildin
TIP Waste
Unclassified
Building Floor Plans
Building Assets
ALL_BUILDINGS
Feature maps
Contours
Search Building
Administer Buildings
Module Admin
Buildings
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Assets Inspection Form
Assets Configuration Form
MANAGEMENT TOOLS
Asset Inspection Report
Youth Central - New Inspection - Microsoft Internet Explorer provided by Hume City Cou...
Youth Central - New Inspection
Building Name
Youth Central
Building No.
200318
Inspector
Recep Alakus
Proclaim No
Comments
Inspection Result
-----Required-----
Inspection Status Id
Open
Electricity (Kwh)
Gas (GJ)
Water (Ml)
Carbon Emissions (CO2-e)
Consumption Records
Number of Lockers
Number of Showers
Number of Seats
Number of Tables
Capacity
Walkable Catchment (sqm)
Building - Microsoft Internet Explorer provided by Hume City Council
Edit Buildings
Logout
Close
Buildings Data Entry
Data Entry
Buildings Attribute Classes (Lookups)
Asset
Asset Type
Category
Category Type
Rating
Rating Type
Utilisation
Buildings Financials
Depreciation Method
Inspections - Microsoft Internet Explorer provided by Hume City Council
Inspections
Filters
Inspection Status
Open
Inspection Result
Compliant
From
16-Sep-2(
To
16-Sep-2(
Filter Inspections
ID
BUILDING NO.
NAME
INSPECTED BY
INSPECTED
PROCLAIM NO.
COMMENTS
RESULT
STATUS
WASTE COLLECTION DAY
ELECTRICITY (Kwh)
GAS (GJ)
WATER (Ml)
CARBON EMISSIONS (CO2-E)
CONSUMPTION RECORDS
LOCKERS
SHOWERS
SEATS
TABLES
ROOM CAPACITY
WALKABLE CATCHMENT (Sqm)
41
200318
Youth Central
Recep Alakus
16-Sep-2011 8:09:24
Second Inspection will be in January 2012
Compliant
Open
Thurdsay
4465789
67012
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Cancel
Download as xls
Done
Local intranet
100%
Powered by
MapGuide

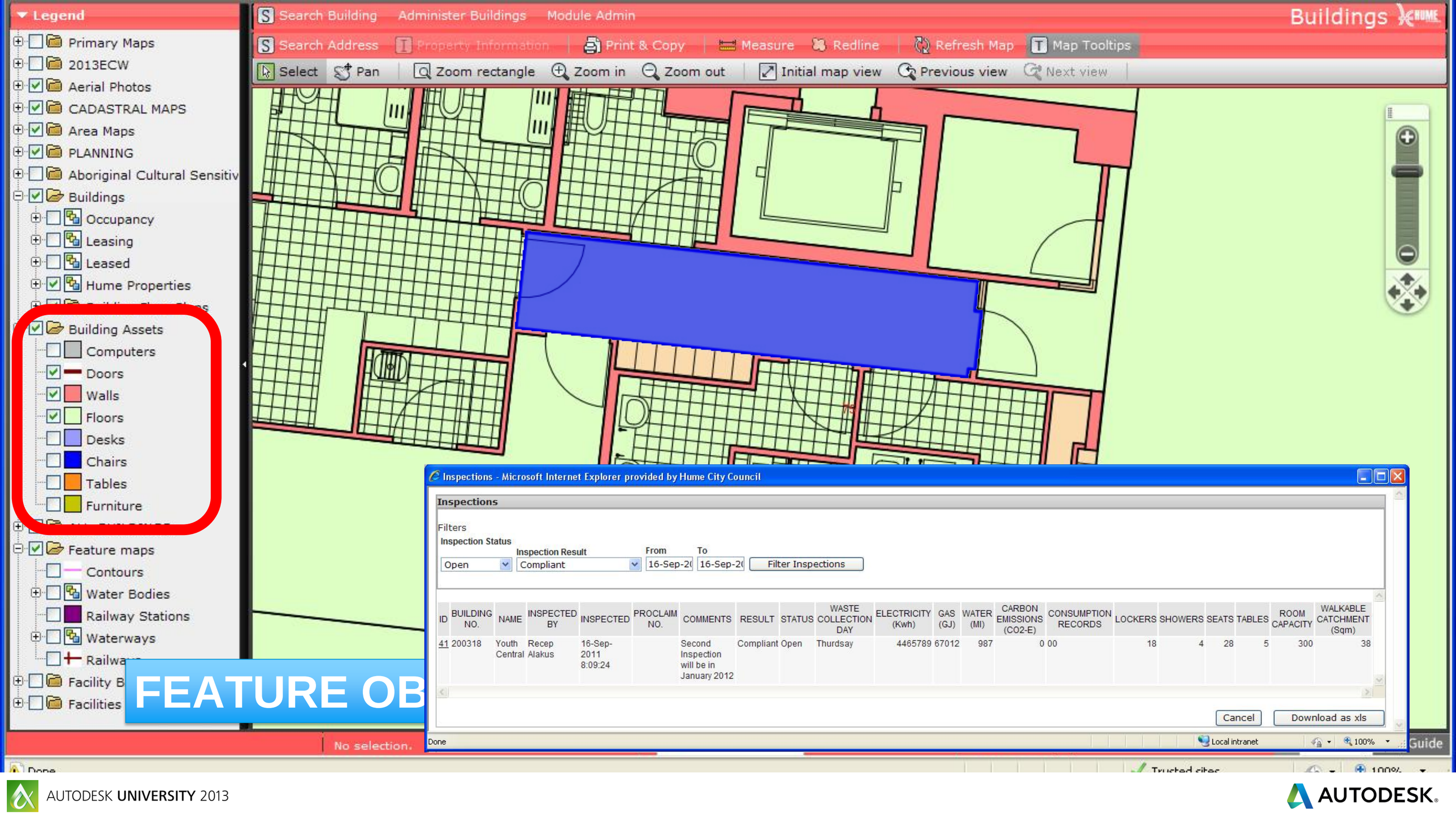

Legend
Primary Maps
2013ECW
Aerial Photos
CADASTRAL MAPS
Area Maps
PLANNING
Aboriginal Cultural Sensitiv
Buildings
Building Footprints
'Community_Facilities'
'Cultural_Facilities'
'Human_Services'
'Municipal'
'SES'
'Sport_Recreation'
Leased
Hume Properties
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Railways
Facility Buildings
Facilities
Search Building
Administer Buildings
Module Admin
Buildings
Search Address
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Print & Copy
Measure
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Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
CENTRAL PARK AVENUE
WATERVIEW BOULEVARD
AITKEN BOULEVARD
CRAIGIEBURN ROAD
MAIN STREET
WINDROCK AVENUE
LYGON DRIVE
No selection.
1: 5000
1431.4 x 768.61 (m)
Powered by MapGuide

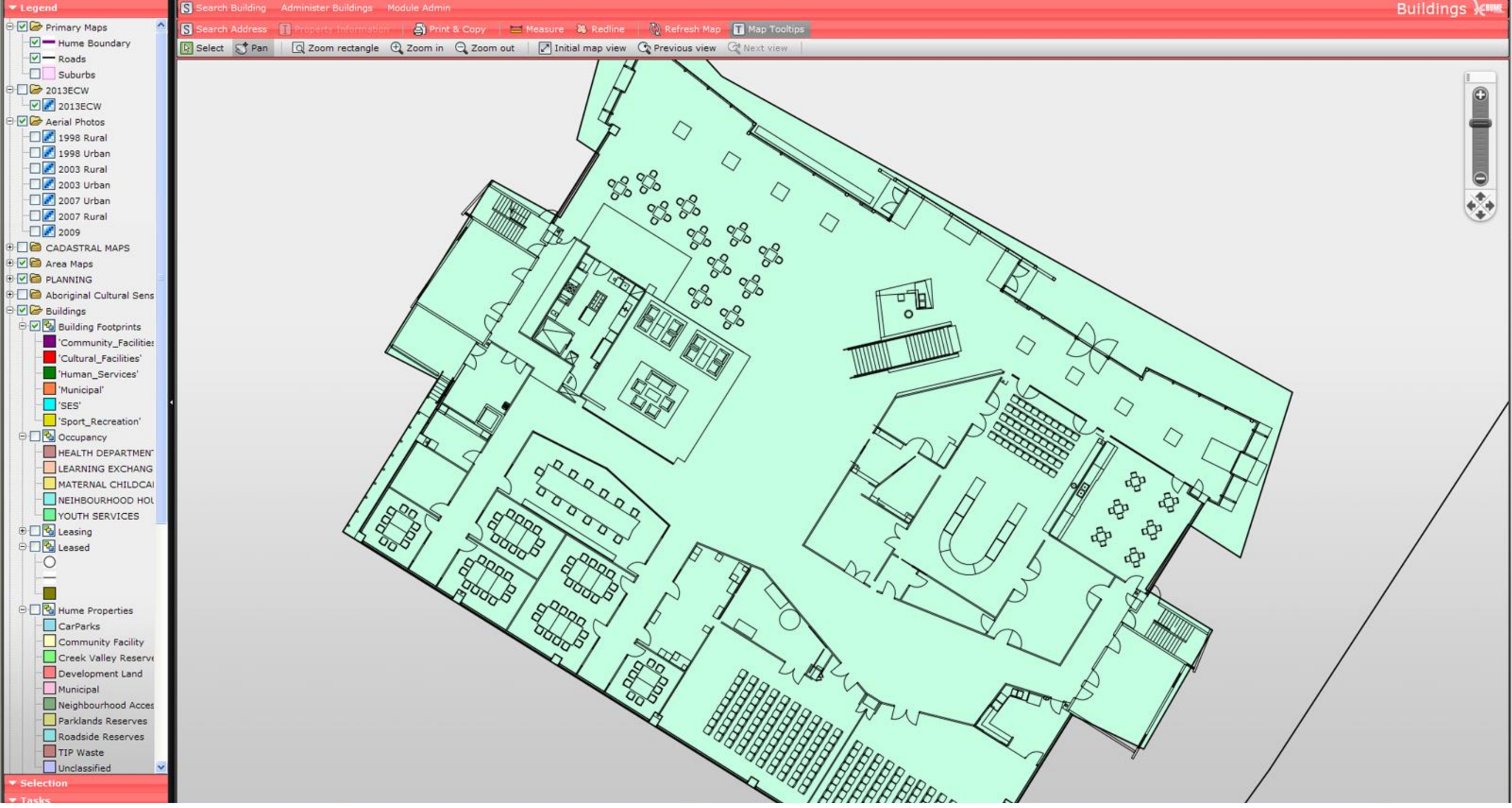

Legend
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Aboriginal Cultural Sensitiv
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'Cultural_Facilities'
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Initial map view
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Next view
CENTRAL PARK AVENUE
LANGFORD DRIVE
MADISON DRIVE
EMERDALE PLACE
CONISTON PLACE
AITKEN BOULEVARD
HARRINGTON AVENUE
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1: 2500
715.7 x 384.31 (m)
Powered by MapGuide

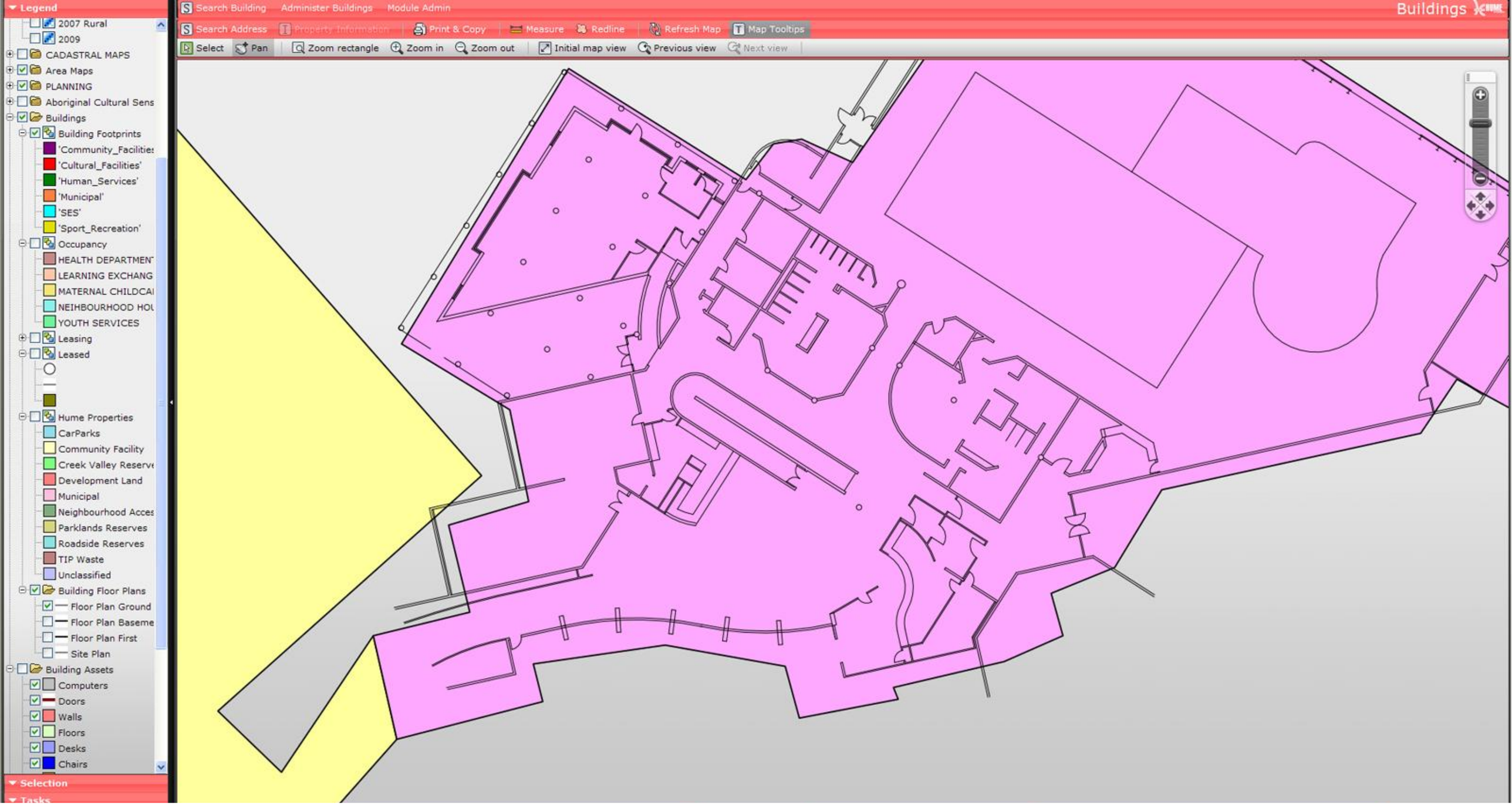

Legend
Primary Maps
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CADASTRAL MAPS
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Map Tooltips
Select
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Zoom rectangle
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Zoom out
Initial map view
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Next view
CENTRAL PARK AVENU
AITKEN BOULEVARD
CAD FLOOR PLANS
No selection.
1: 1000
286.28 x 153.72 (m)
Powered by MapGuide

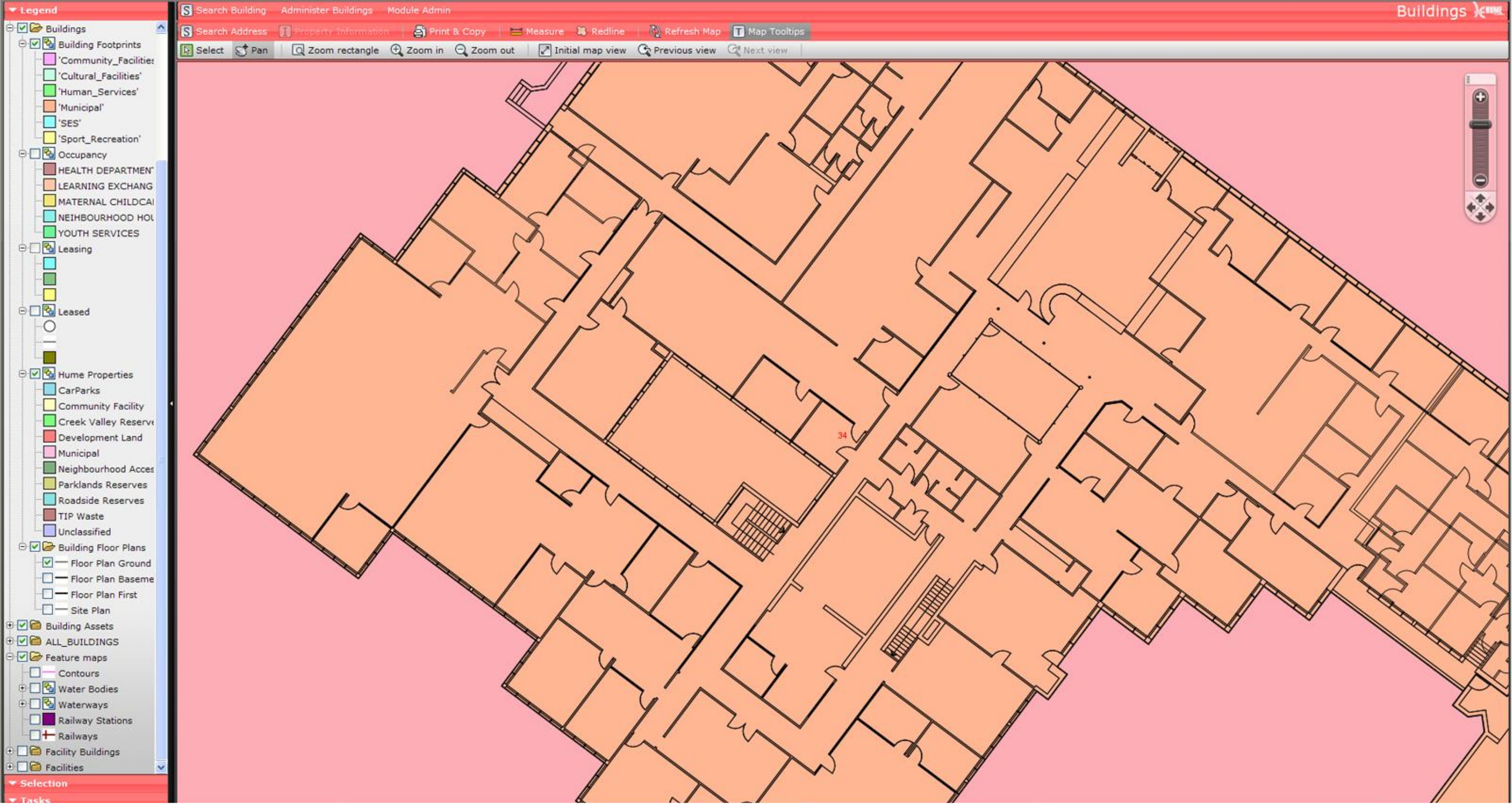

Legend
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Search Address
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Print & Copy
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Redline
Refresh Map
Map Tooltips
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Next view
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108.79 x 58.41 (m)
Powered by MapGuide

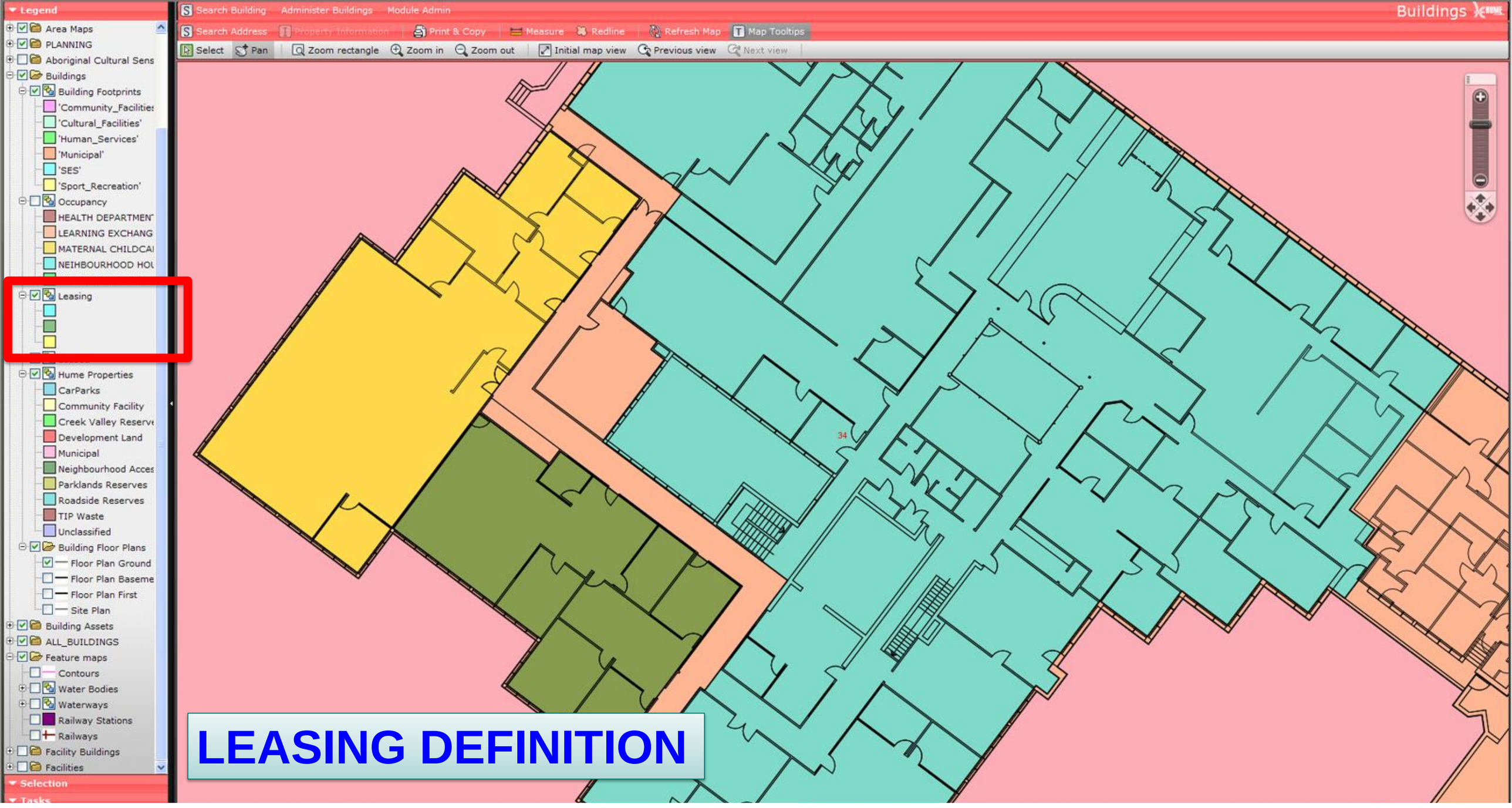

Legend
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Refresh Map
Map Tooltips
Select
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Zoom rectangle
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Next view
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1: 65
18.61 x 9.99 (m)
Powered by MapGuide

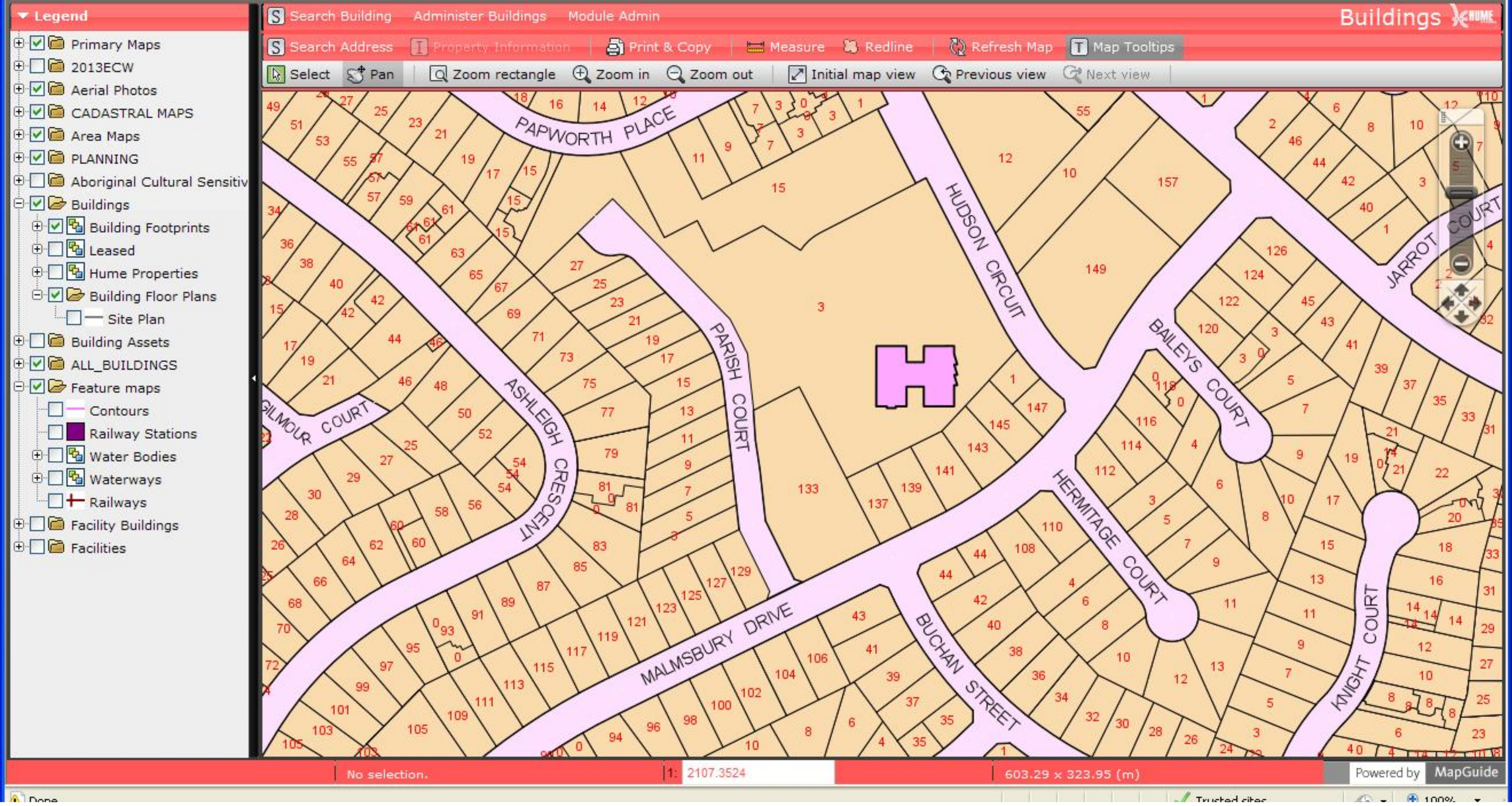

Legend
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Inspections - Microsoft Internet Explorer provided by Hume City Council
Inspections
Filters
Inspection Status
Inspection Result
From
To
Open
Compliant
16-Sep-2(
16-Sep-2(
Filter Inspections
ID
BUILDING NO.
NAME
INSPECTED BY
INSPECTED
PROCLAIM NO.
COMMENTS
RESULT
STATUS
WASTE COLLECTION DAY
ELECTRICITY (Kwh)
GAS (GJ)
WATER (Ml)
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FEATURE OB
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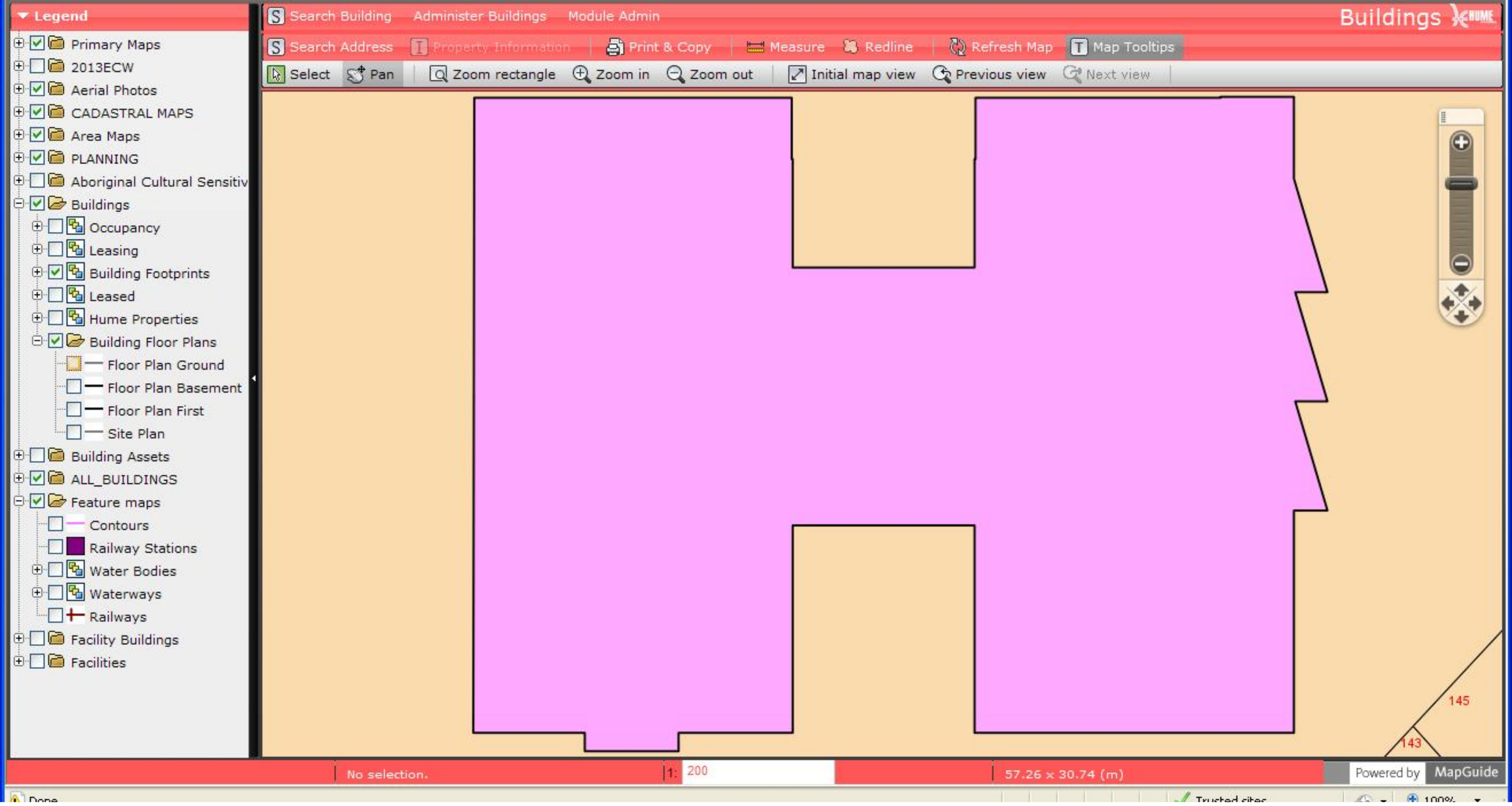

Legend
Primary Maps
Hume Boundary
Roads
Suburbs
2013ECW
2013ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
2003 Urban
2007 Urban
2007 Rural
2009
CADASTRAL MAPS
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'Cultural_Facilities'
'Human_Services'
'Municipal'
'SES'
'Sport_Recreation'
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Municipal
Neighbourhood Acces
Parklands Reserves
Roadside Reserves
TIP Waste
Unclassified
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Administer Buildings
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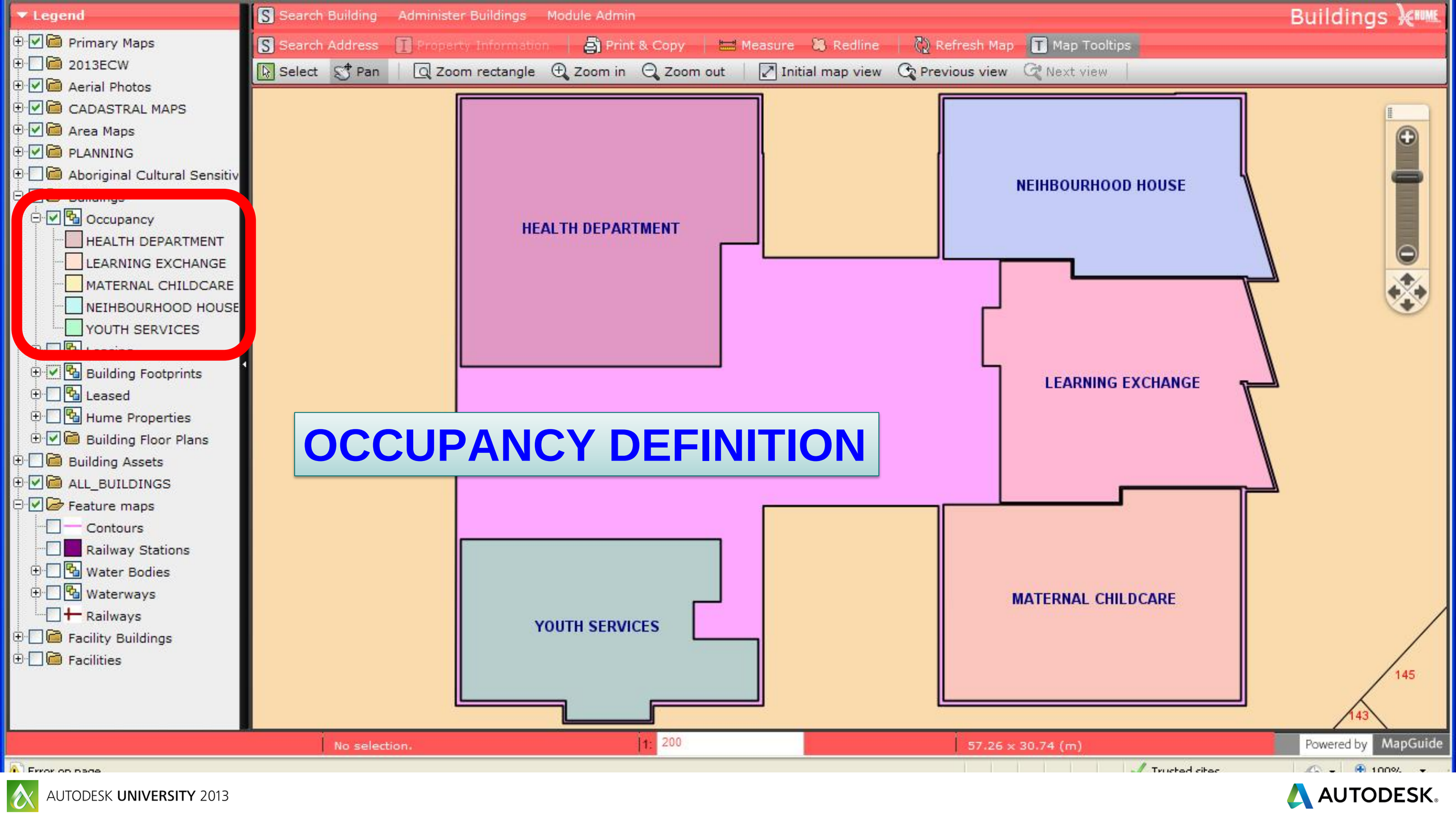

Legend
2007 Rural
2009
CADASTRAL MAPS
Area Maps
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Building Footprints
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'Cultural_Facilities'
'Human_Services'
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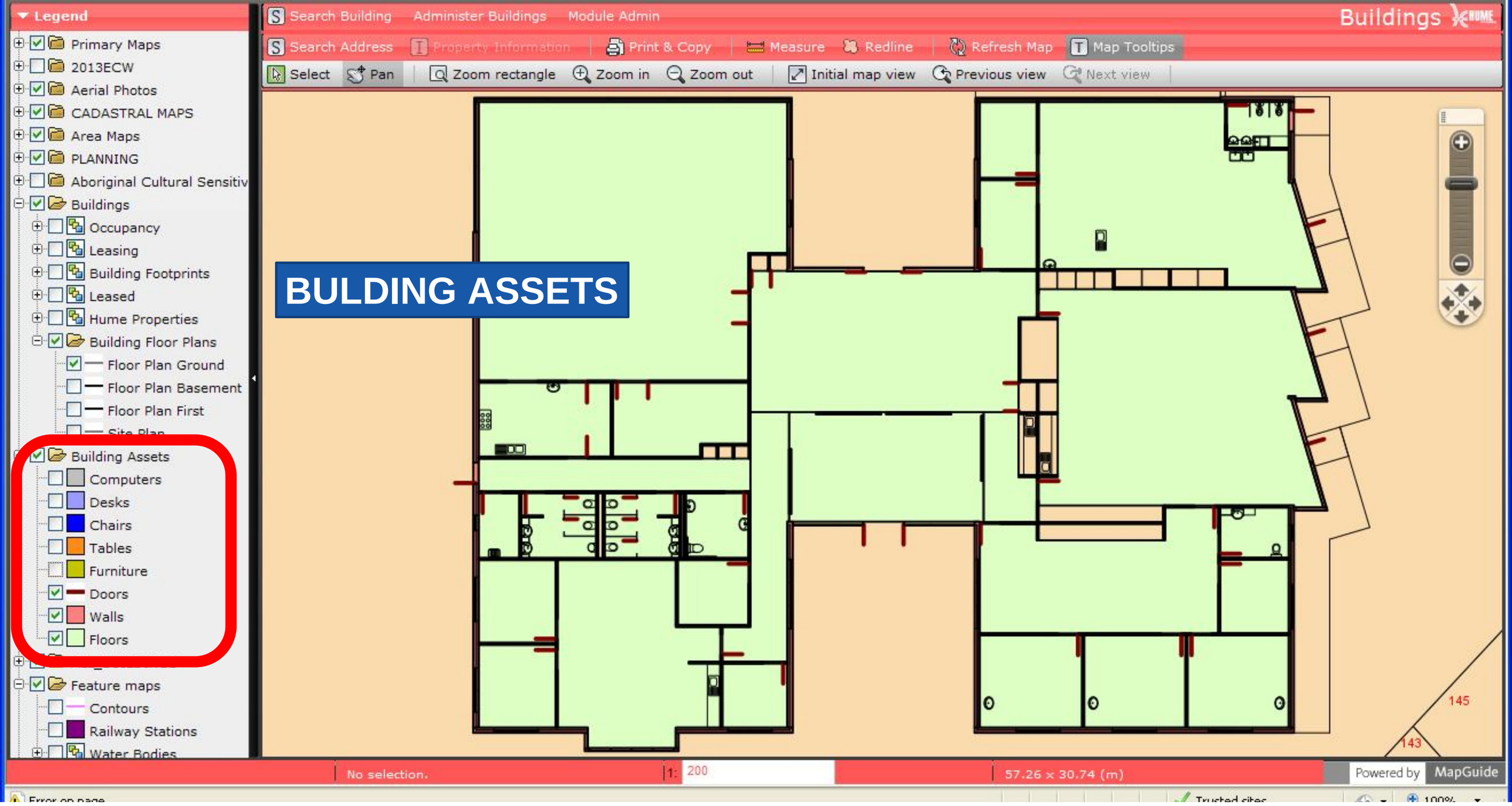

Legend
Buildings
Building Footprints
'Community_Facilities
'Cultural_Facilities'
'Human_Services'
'Municipal'
'SES'
'Sport_Recreation'
Occupancy
HEALTH DEPARTMEN
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Leased
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Unclassified
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34

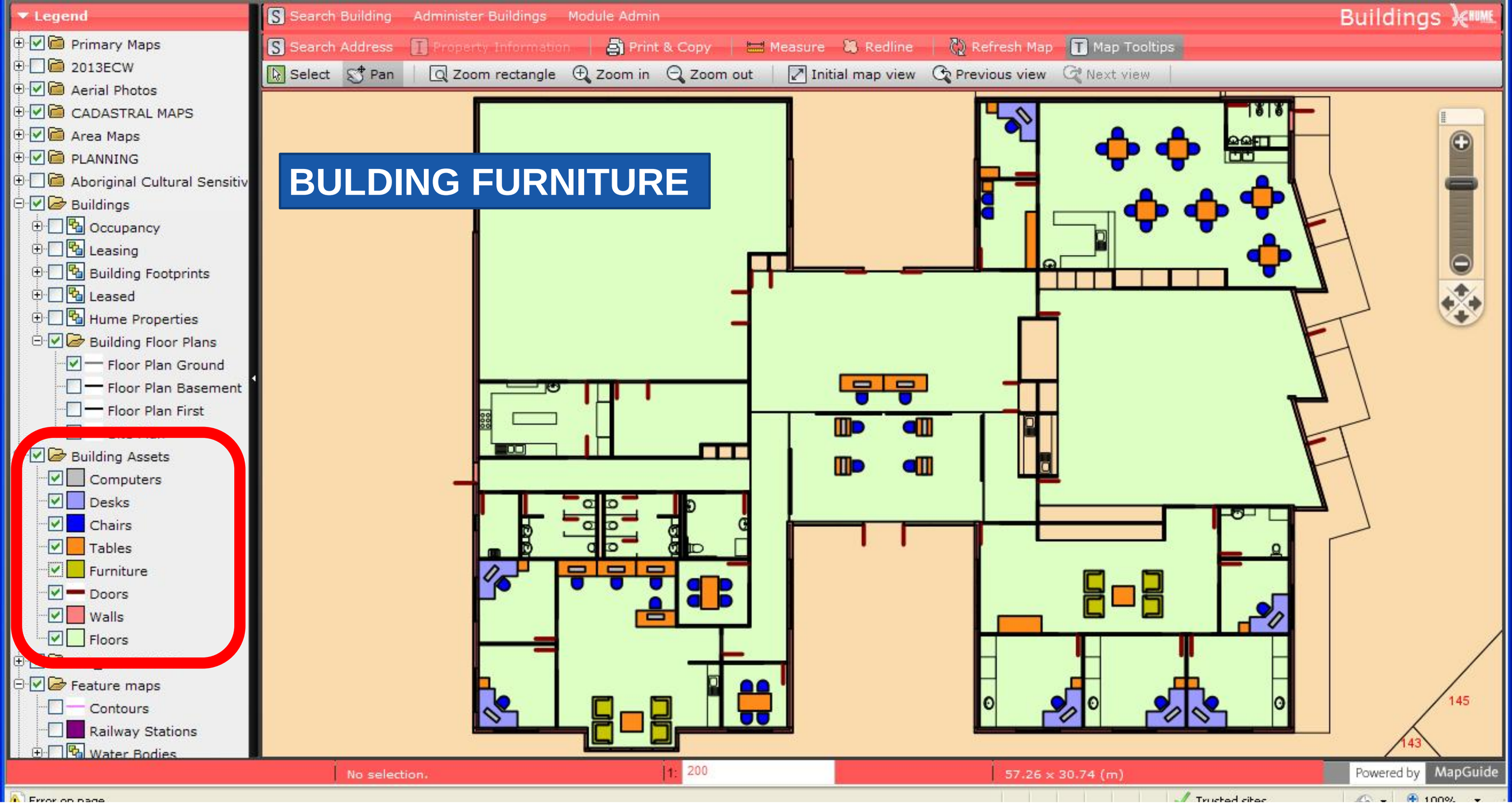

Legend
Area Maps
PLANNING
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Building Footprints
'Community_Facilities
'Cultural_Facilities'
'Human_Services'
'Municipal'
'SES'
'Sport_Recreation'
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HEALTH DEPARTMEN
LEARNING EXCHANG
MATERNAL CHILDCAI
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Leasing
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LEASING DEFINITION

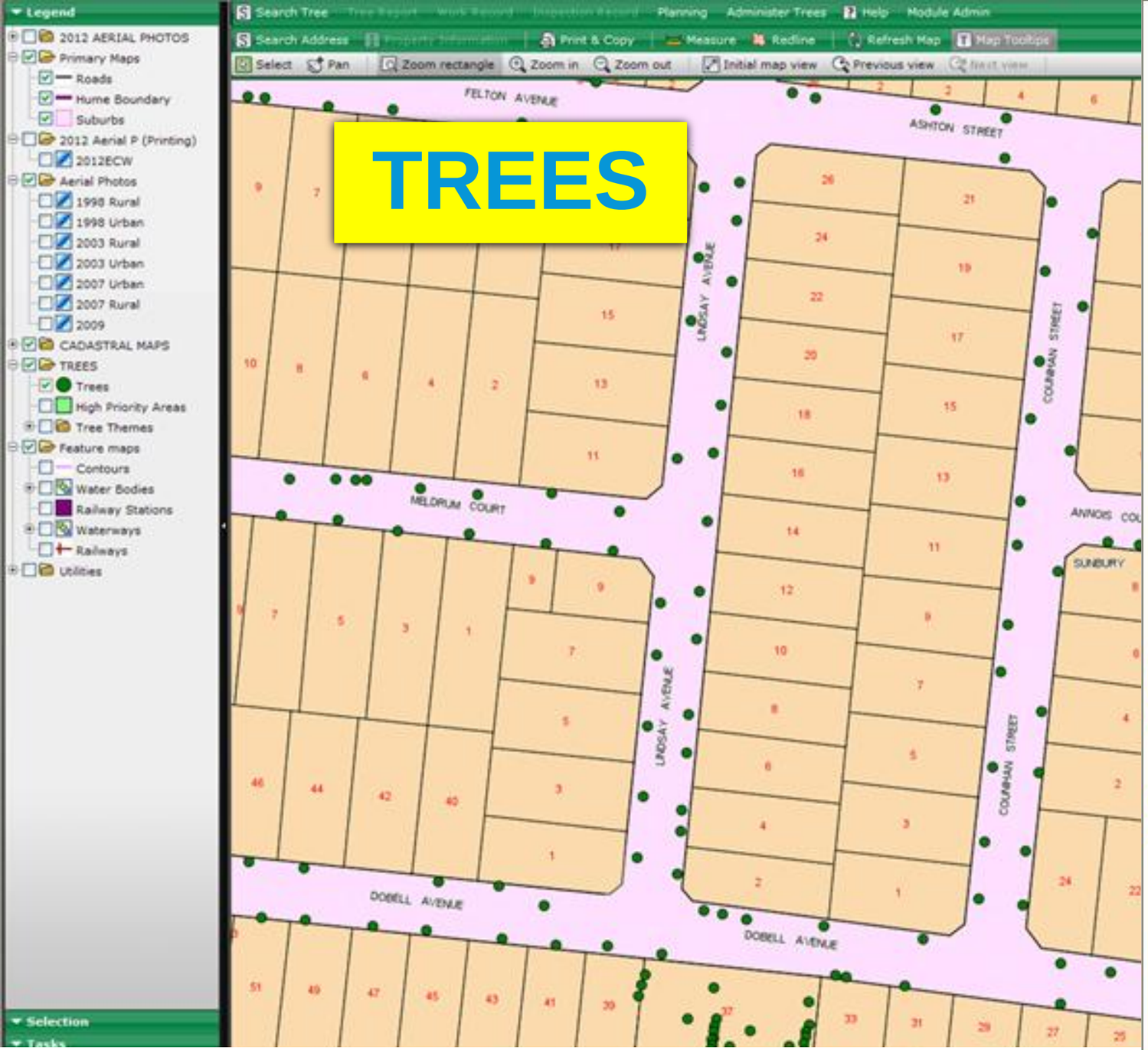

Legend
Primary Maps
2013ECW
Aerial Photos
CADASTRAL MAPS
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PLANNING
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Zoom rectangle
Zoom in
Zoom out
Initial map view
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Next view
PAPWORTH PLACE
HUDSON CIRCUIT
JARROT COURT
BAILEYS COURT
PARISH COURT
ASHLEIGH CRESCENT
GILMOUR COURT
HERMITAGE COURT
KNIGHT COURT
MALMSBURY DRIVE
BUCHAN STREET
No selection.
1: 2107.3524
603.29 x 323.95 (m)
Powered by MapGuide


Legend
Primary Maps
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143
No selection.
1: 200
57.26 x 30.74 (m)
Powered by MapGuide

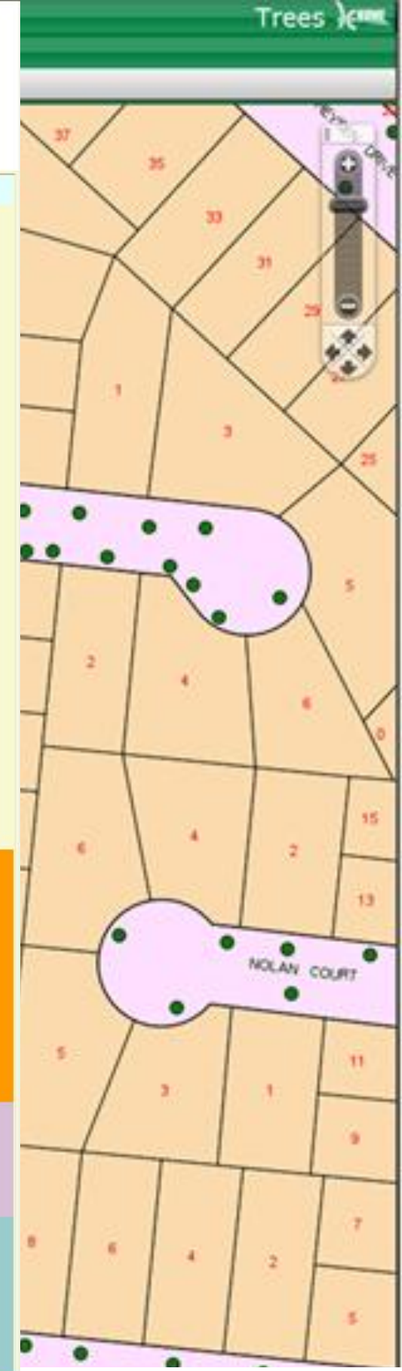

Legend
Primary Maps
2013ECW
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Area Maps
PLANNING
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Occupancy
HEALTH DEPARTMENT
LEARNING EXCHANGE
MATERNAL CHILDCARE
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Next view
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LEARNING EXCHANGE
YOUTH SERVICES
MATERNAL CHILDCARE
OCCUPANCY DEFINITION
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143
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1: 200
57.26 x 30.74 (m)
Powered by MapGuide


Legend
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Leasing
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143
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1: 200
57.26 x 30.74 (m)
Powered by MapGuide


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Primary Maps
2013ECW
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Aboriginal Cultural Sensitiv
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No selection.
1: 200
57.26 x 30.74 (m)
Powered by MapGuide



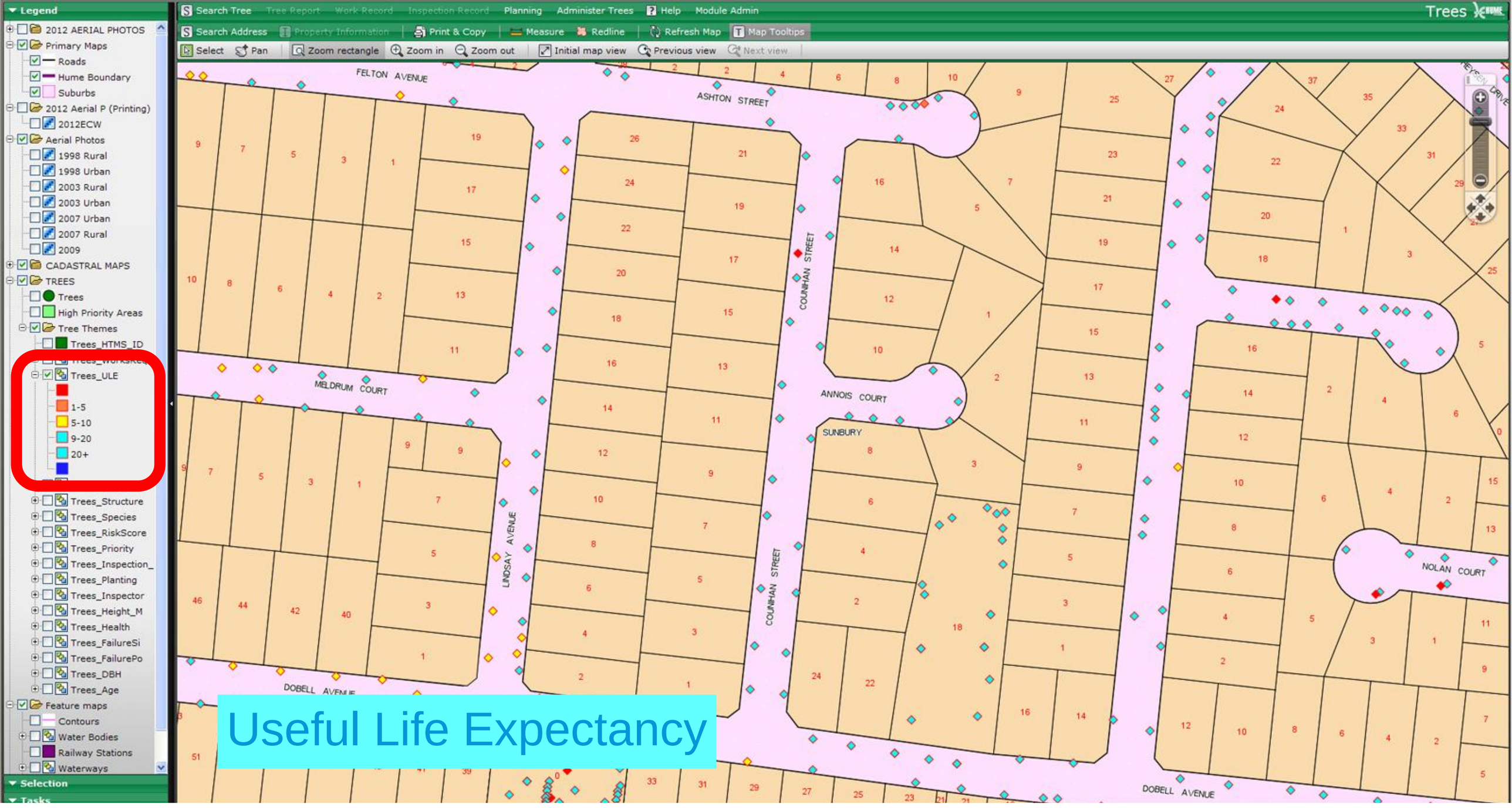
TREES

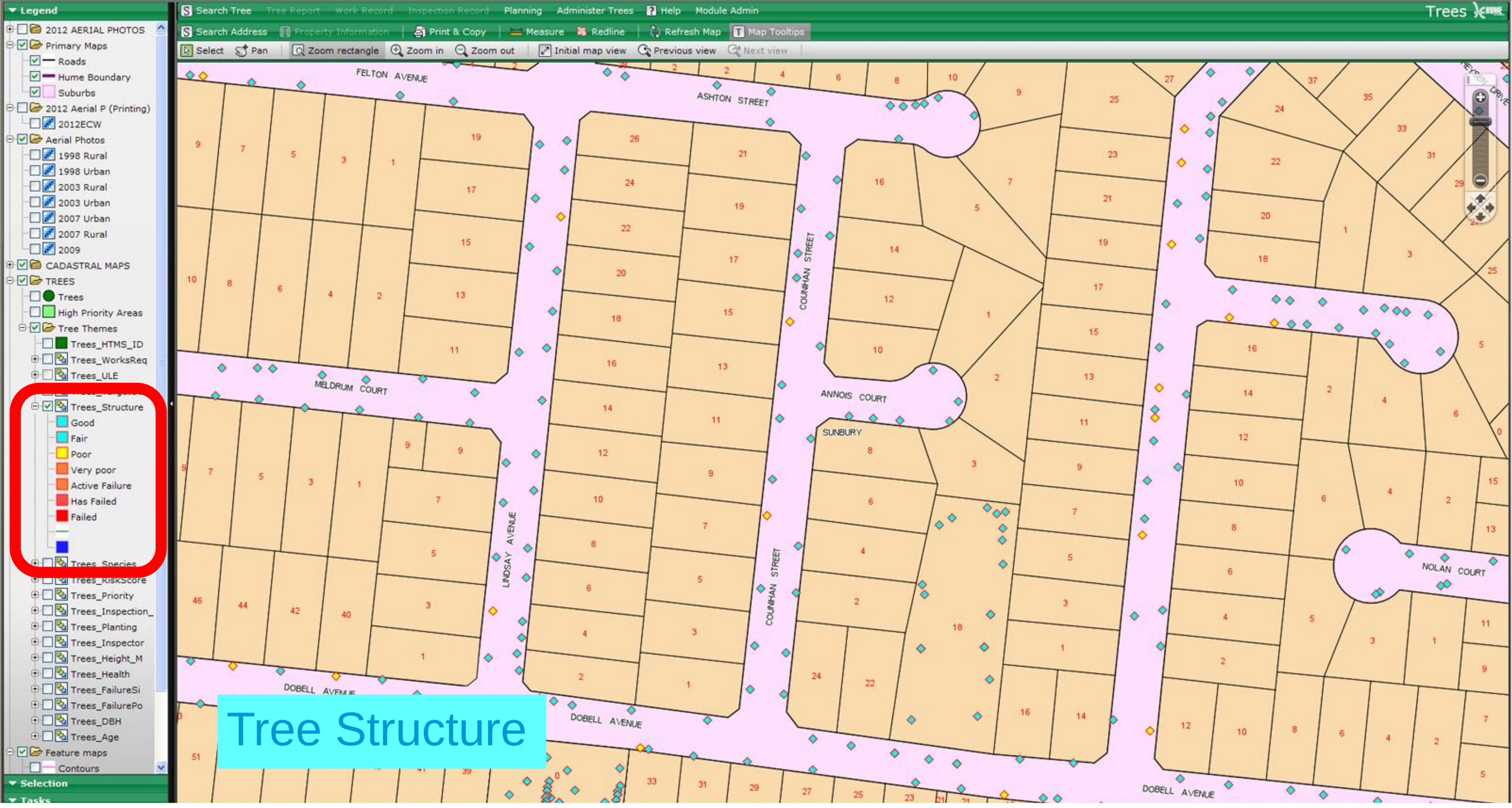


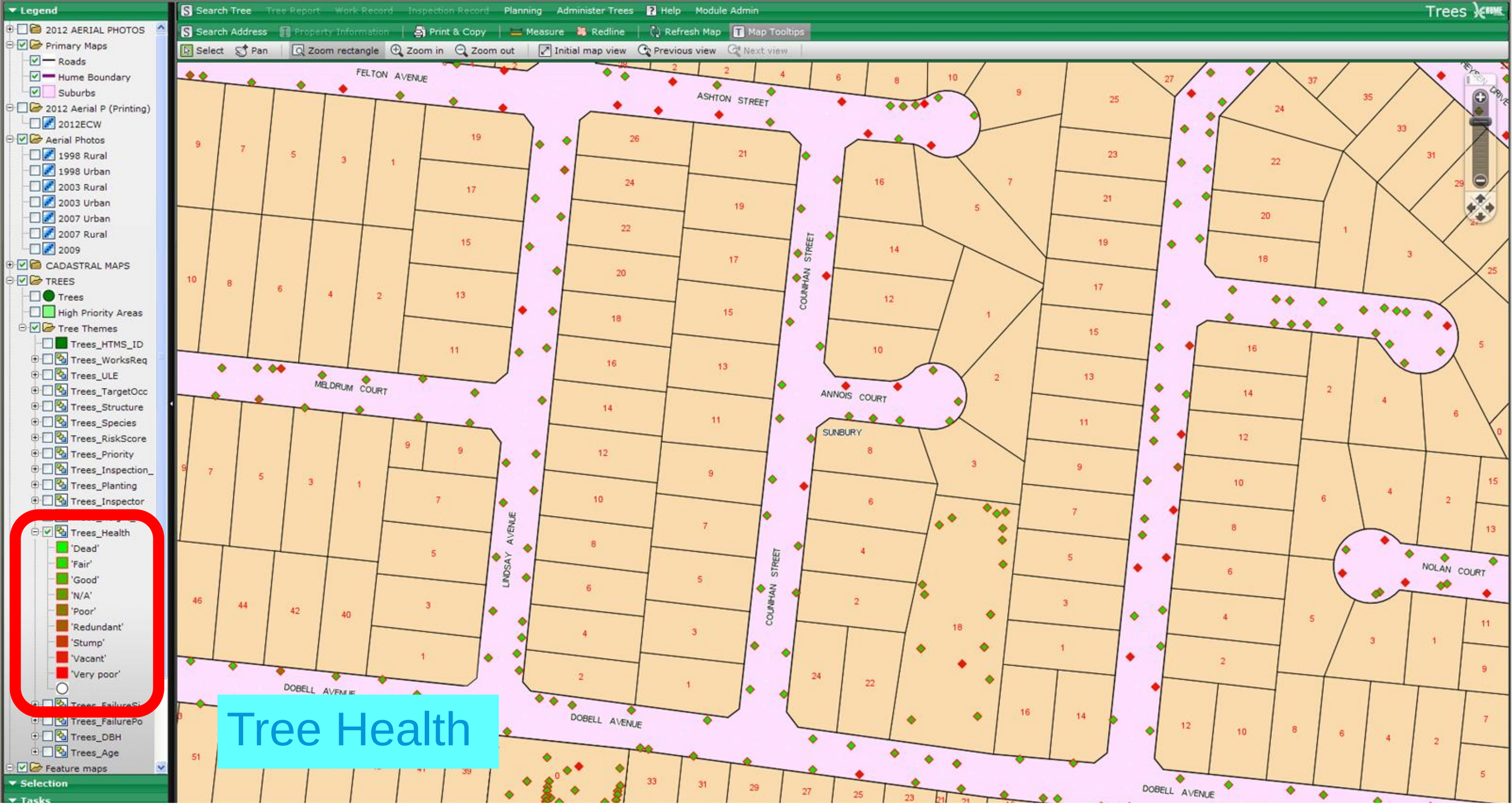
HUME CITY COUNCIL

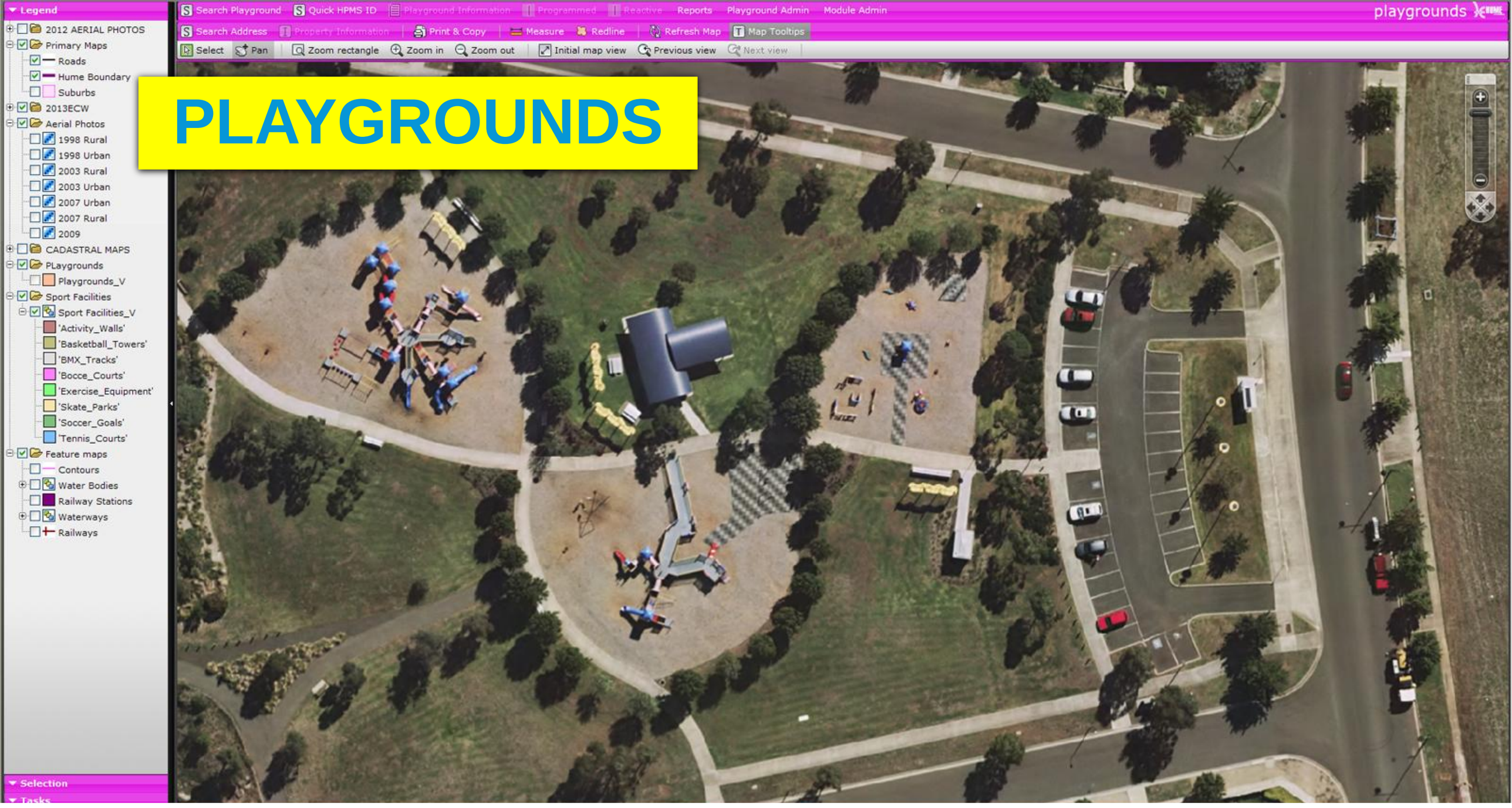
Tree Report

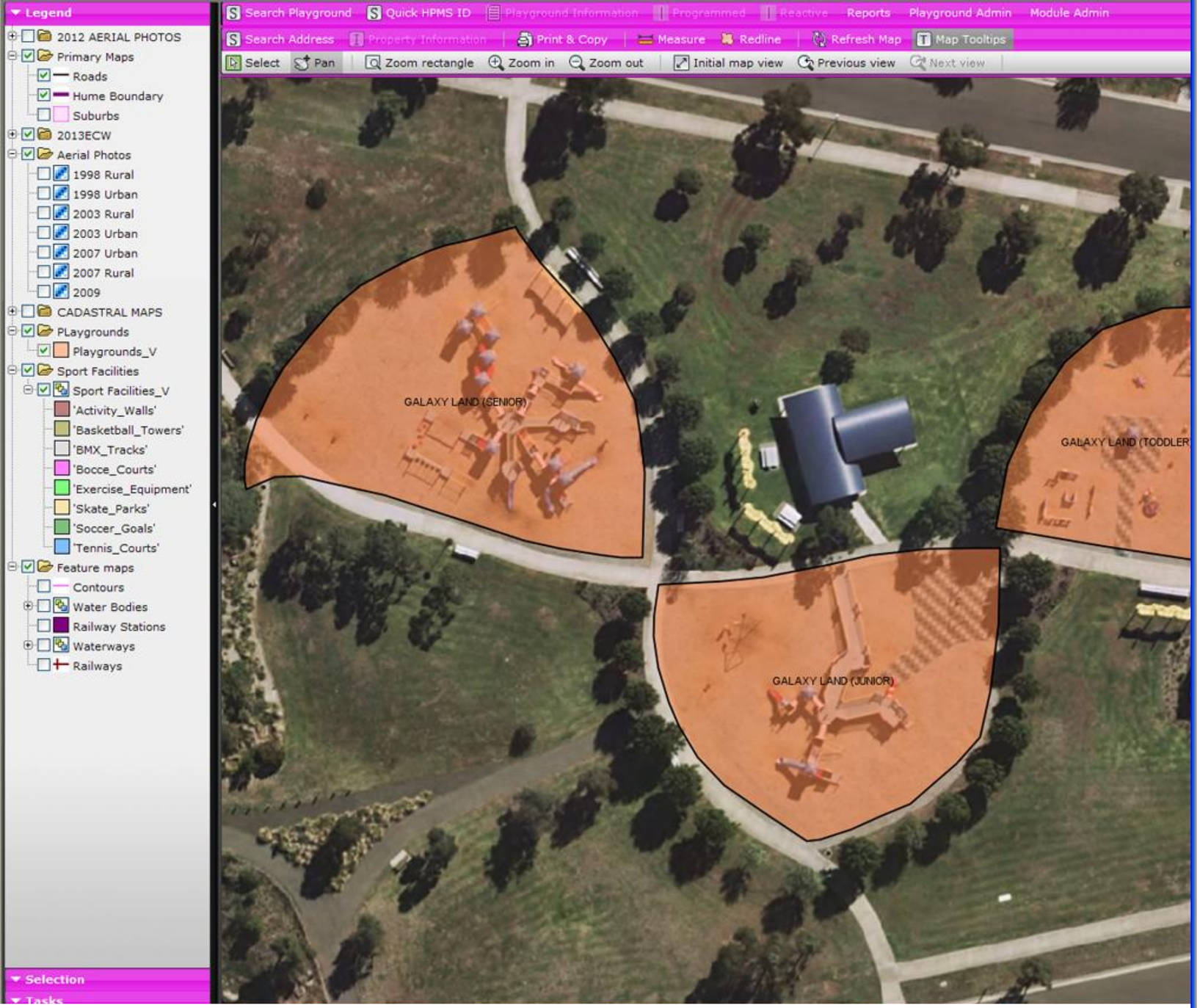
Park Tree	Current Attributes
HTMS_ID:	24224
SPECIES:	Eucalyptus botryoides
COMMON NAME:	Southern Mahogany
HEIGHT:	15m
DBH RANGE:	30-60cm
TREE AGE:	Mature
TREE HEALTH:	Fair
TREE STRUCTURE:	Very poor
ULE:	1-5 years
PLANTING WIDTH:	metres
PARK NAME:	Sunbury Recreation Reserve
PARK ADDRESS:	Riddell Rd, Sunbury
STREET PLANTED:	Sunbury Recreation Reserve
SUBURB:	Sunbury
POSTCODE:	3429
POWERLINE:	NO
DISTANCE:	10
GPS COORDS:	-37.573284351 144.724105022
WORKS REQ:	Removal
WORKS PRIORITY:	Moderate
VALUE:	$
COMMENTS:	
STATUS:	Planted
RISK ASSESSMENT	
PARK RISK SCORE:	29
FAILURE POTENTIAL:	High
FAILURE SIZE:	45-75cm
TARGET OCCUPANCY:	Intermittent
TARGET VALUE:	Very high
DAMAGE PROBABILITY:	High
INSPECTION DATE (dd/mm/yy):	20/01/05
DATA COLLECTOR:	BDK
PHOTOS:	
PREVIOUS TREE INFORMATION:	1 Records
PREVIOUS RISK INFORMATION:	1 Records
WORK RECORD ACTIVITY:	No Records
INSPECTION SHEET ACTIVITY:	No Records
WORK INSTRUCTION SHEET ACTIVITY:	No Records
TREE HISTORY:	No History
RISK REGISTER:	N/A - Administrator only!


Legend
2012 AERIAL PHOTOS
Primary Maps
Roads
Hume Boundary
Suburbs
2012 Aerial P (Printing)
2012ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
2003 Urban
2007 Urban
2007 Rural
2009
CADASTRAL MAPS
TREES
Trees
High Priority Areas
Tree Themes
Trees_HTMS_ID
Trees_ULE
1-5
5-10
9-20
20+
Trees_Structure
Trees_Species
Trees_RiskScore
Trees_Priority
Trees_Inspection_
Trees_Planting
Trees_Inspector
Trees_Height_M
Trees_Health
Trees_FailureSi
Trees_FailurePo
Trees_DBH
Trees_Age
Feature maps
Contours
Water Bodies
Railway Stations
Waterways
Selection
Tasks
Search Tree
Tree Report
Work Record
Inspection Record
Planning
Administer Trees
Help
Module Admin
Trees
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
FELTON AVENUE
ASHTON STREET
COLINHAN STREET
MELDRUM COURT
ANNOIS COURT
SUNBURY
LINDSAY AVENUE
COLINHAN STREET
NOLAN COURT
DOBELL AVENUE
DOBELL AVENUE
Useful Life Expectancy


Legend
2012 AERIAL PHOTOS
Primary Maps
Roads
Hume Boundary
Suburbs
2012 Aerial P (Printing)
2012ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
2003 Urban
2007 Urban
2007 Rural
2009
CADASTRAL MAPS
TREES
Trees
High Priority Areas
Tree Themes
Trees_HTMS_ID
Trees_WorksReq
Trees_ULE
Trees_Structure
Good
Fair
Poor
Very poor
Active Failure
Has Failed
Failed
Trees_Species
Trees_RiskScore
Trees_Priority
Trees_Inspection_
Trees_Planting
Trees_Inspector
Trees_Height_M
Trees_Health
Trees_FailureSi
Trees_FailurePo
Trees_DBH
Trees_Age
Feature maps
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Selection
Tasks
Search Tree
Tree Report
Work Record
Inspection Record
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Refresh Map
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Next view
FELTON AVENUE
ASHTON STREET
COLINHAN STREET
MELDRUM COURT
ANNOIS COURT
SUNBURY
LINDSAY AVENUE
COLINHAN STREET
NOLAN COURT
DOBELL AVENUE
DOBELL AVENUE
DOBELL AVENUE
Tree Structure


Legend
2012 AERIAL PHOTOS
Primary Maps
Roads
Hume Boundary
Suburbs
2012 Aerial P (Printing)
2012ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
2003 Urban
2007 Urban
2007 Rural
2009
CADASTRAL MAPS
TREES
Trees
High Priority Areas
Tree Themes
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Trees_WorksReq
Trees_ULE
Trees_TargetOcc
Trees_Structure
Trees_Species
Trees_RiskScore
Trees_Priority
Trees_Inspection_
Trees_Planting
Trees_Inspector
Trees_Health
'Dead'
'Fair'
'Good'
'N/A'
'Poor'
'Redundant'
'Stump'
'Vacant'
'Very poor'
Trees_FailurePo
Trees_DBH
Trees_Age
Feature maps
Selection
Tasks
Search Tree
Tree Report
Work Record
Inspection Record
Planning
Administer Trees
Help
Module Admin
Trees
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
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Zoom rectangle
Zoom in
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Initial map view
Previous view
Next view
FELTON AVENUE
ASHTON STREET
COLINHAN STREET
MELDRUM COURT
ANNOIS COURT
SUNBURY
LINDSAY AVENUE
COLINHAN STREET
NOLAN COURT
DOBELL AVENUE
DOBELL AVENUE
DOBELL AVENUE
Tree Health


Search Playground
Quick HPMS ID
Playground Information
Programmed
Reactive
Reports
Playground Admin
Module Admin
playgrounds
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
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Initial map view
Previous view
Next view
Legend
2012 AERIAL PHOTOS
Primary Maps
Roads
Hume Boundary
Suburbs
2013ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
2003 Urban
2007 Urban
2007 Rural
2009
CADASTRAL MAPS
PLaygrounds
Playgrounds_V
Sport Facilities
Sport Facilities_V
'Activity_Walls'
'Basketball_Towers'
'BMX_Tracks'
'Bocce_Courts'
'Exercise_Equipment'
'Skate_Parks'
'Soccer_Goals'
'Tennis_Courts'
Feature maps
Contours
Water Bodies
Railway Stations
Waterways
Railways
Selection
Tasks
PLAYGROUNDS

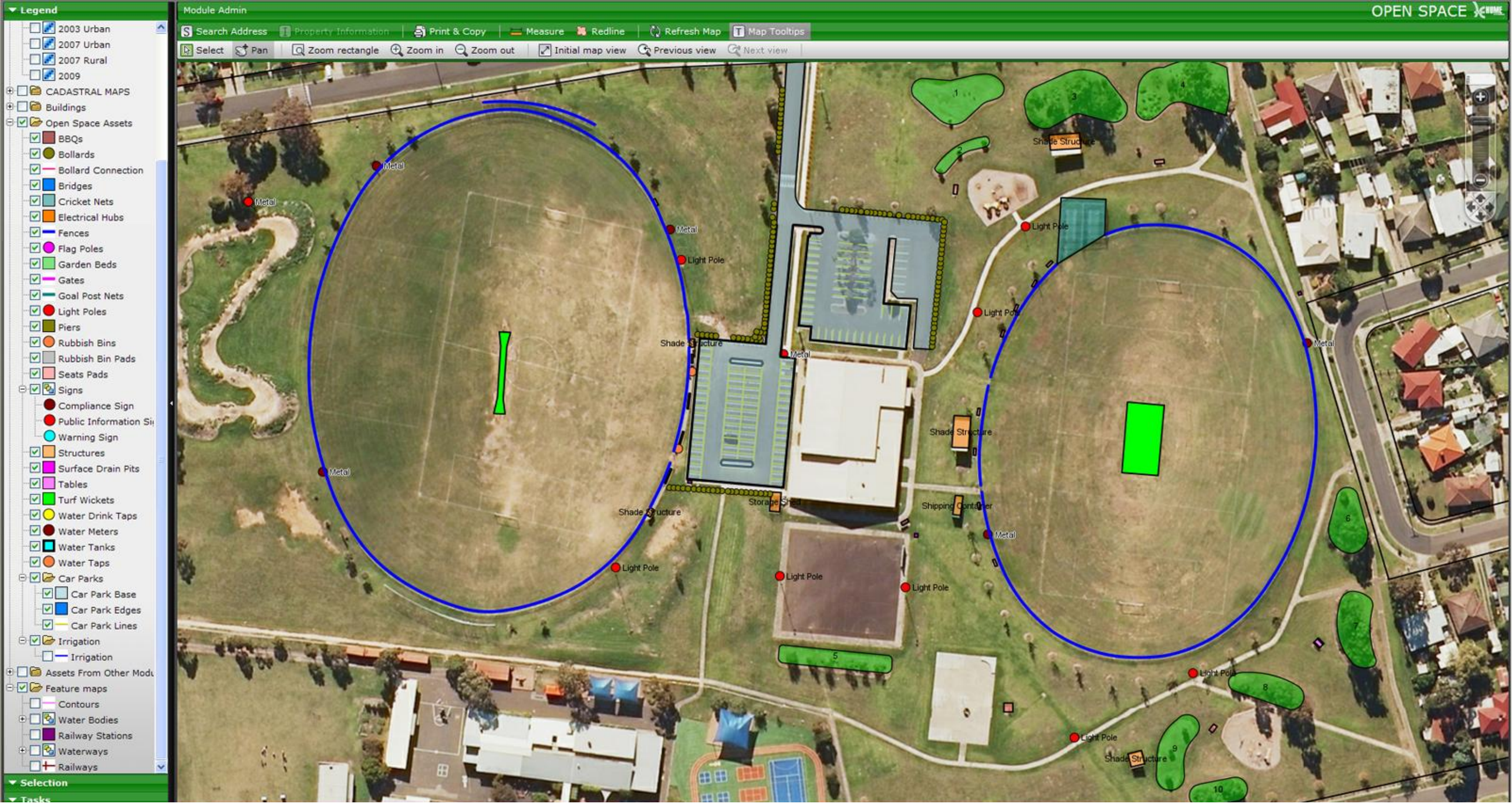


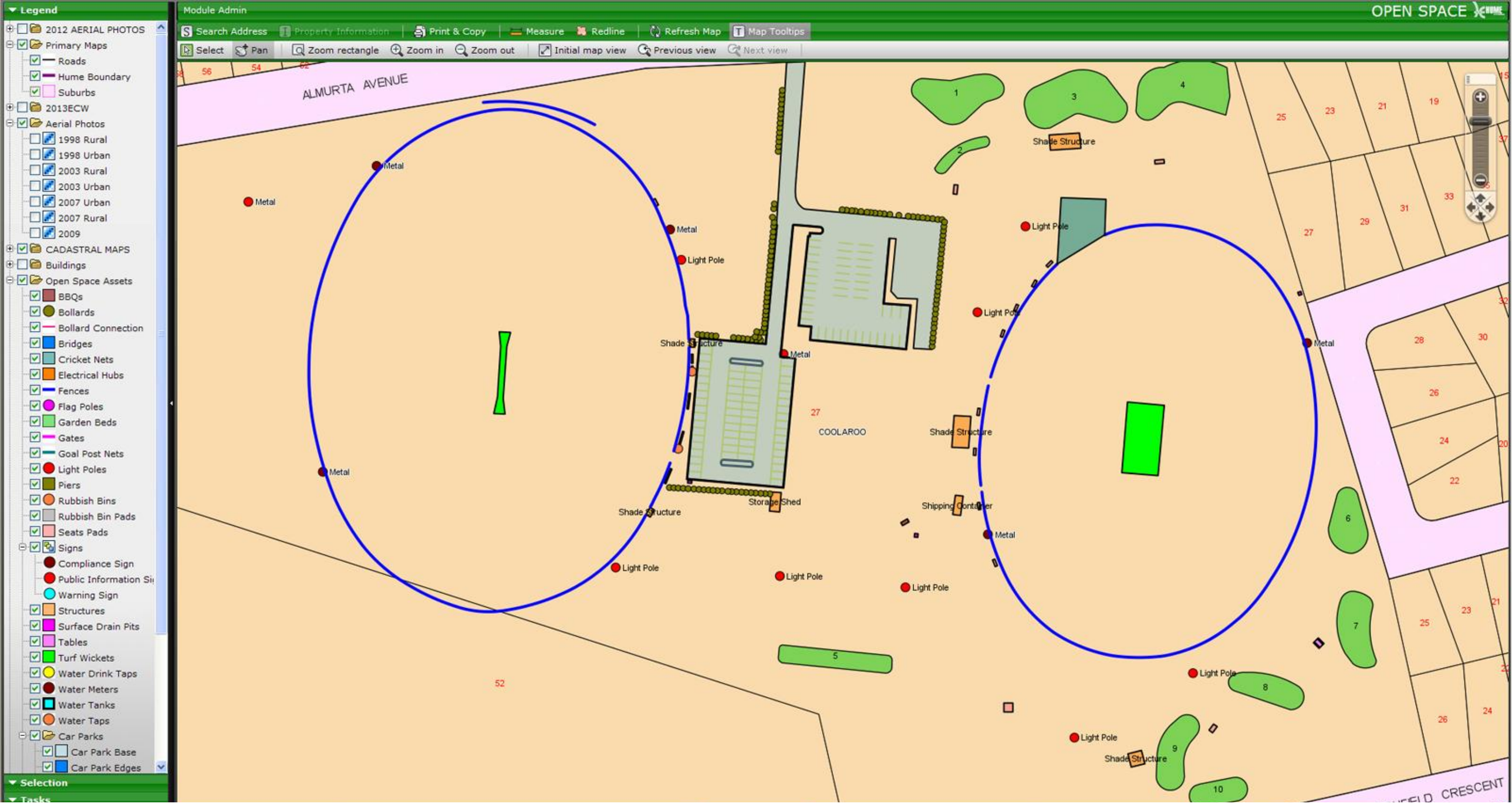
EQUIPMENT:	DECK (SQUARE), METAL, POWDERCOATED DECK (SQUARE), METAL, POWDERCOATED EQUAL ACCESS SWING FIREPOLE, METAL, POWDERCOATED INFANT SEAT PANEL (ACTIVITY), PLASTIC PANEL (ACTIVITY), PLASTIC PANEL (ACTIVITY), PLASTIC PANEL (ACTIVITY), PLASTIC PANEL (ACTIVITY), PLASTIC PANEL (BUBBLE), METAL, POWDERCOATED PANEL (BUBBLE), METAL, POWDERCOATED PANEL (BUBBLE), PLASTIC PANEL (BUBBLE), PLASTIC PANEL (BUBBLE), PLASTIC PANEL (BUBBLE), PLASTIC PANEL (BUBBLE), PLASTIC PANEL (BUBBLE), PLASTIC PANEL (TIC-TAC-TOE), PLASTIC ROCKER (WIDE SEE-SAW, SPRINGS) ROOF, PLASTIC ROOF, PLASTIC SLIDE (STRAIGHT), PLASTIC SLIDE (STRAIGHT), PLASTIC SLIDE (TUNNEL-STRAIGHT), PLASTIC SPIN POLE, METAL, POWDERCOATED STEERING WHEEL, METAL, POWDERCOATED STEERING WHEEL, METAL, POWDERCOATED STEERING WHEEL, METAL, POWDERCOATED STRAP SEAT SWING FRAME (DOUBLE) SWING FRAME (SINGLE) TUNNEL (ABOVE GROUND), PLASTIC TUNNEL (ABOVE GROUND), PLASTIC TUNNEL (ABOVE GROUND), PLASTIC
EQUIPMENT TYPE:	Intermediate Junior Toddler
PARK FURNITURE:	BENCH SEAT BENCH SEAT BIN BIN DRINKING FOUNTAIN
TARGET AUDIENCE AGE:	Intermediate 8 - 12 years Junior 4 - 8 years Toddler 0 - 4 years
UNDERSURFACE:	SOFTFALL
MULCHED AREA:	730 m3
MULCH REQIRED:	m3
PROGRAMMED INSPECTION SHEET:	196 Records
REACTIVE INSPECTION SHEET:	14 Records
RISK REGISTER:	Add to Risk Register
FOLLOW UP WORKS:	View
PHOTOS:	
DOCUMENTS:	GALAXYLANDJNR_H214_JAN2009.PDF GALAXYLANDJNR_H214_MAY2010.PDF GALAXYLANDJNR_H214_OCT2011.PDF

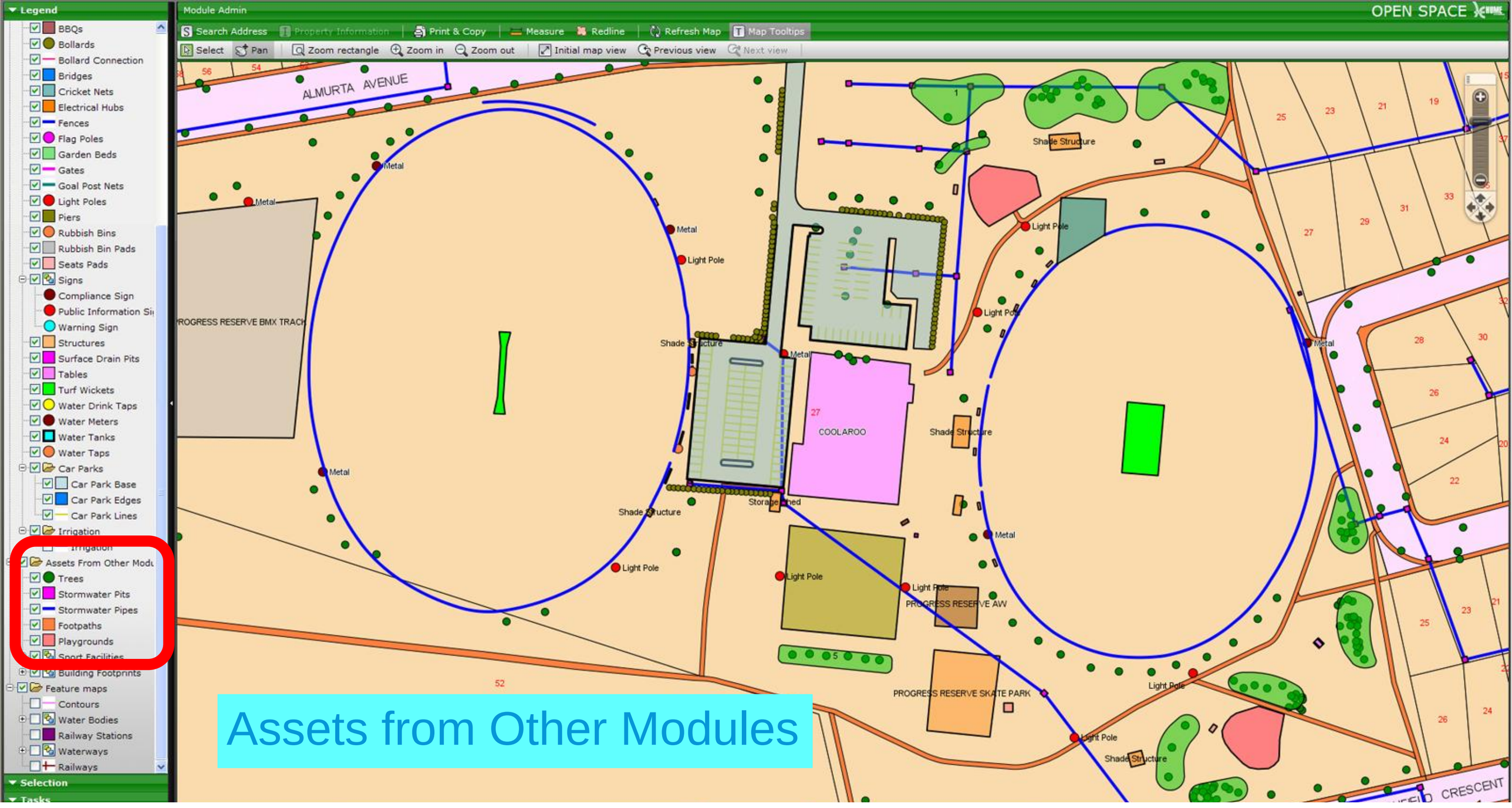
Upload Documents | Edit | Close

Done | Trusted sites | 100%


Legend
2012 AERIAL PHOTOS
Primary Maps
Roads
Hume Bc
Suburbs
2013ECW
Aerial Phot
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1998 Urb
2003 Rural
2003 Urban
2007 Urban
2007 Rural
2009
CADASTRAL MAPS
Buildings
Open Space Assets
Assets From Other Modules
Feature maps
Contours
Water Bodies
Railway Stations
Waterways
Railways
Selection
Tasks
Module Admin
OPEN SPACE
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
OPEN SPACE ASSETS MODULE


Legend
2003 Urban
2007 Urban
2007 Rural
2009
CADASTRAL MAPS
Buildings
Open Space Assets
BBQs
Bollards
Bollard Connection
Bridges
Cricket Nets
Electrical Hubs
Fences
Flag Poles
Garden Beds
Gates
Goal Post Nets
Light Poles
Piers
Rubbish Bins
Rubbish Bin Pads
Seats Pads
Signs
Compliance Sign
Public Information Si
Warning Sign
Structures
Surface Drain Pits
Tables
Turf Wickets
Water Drink Taps
Water Meters
Water Tanks
Water Taps
Car Parks
Car Park Base
Car Park Edges
Car Park Lines
Irrigation
Irrigation
Assets From Other Modu
Feature maps
Contours
Water Bodies
Railway Stations
Waterways
Railways
Selection
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Module Admin
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Search Address
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Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
Metal
Light Pole
Shade Structure
Storage Shed
Shipping Container


Legend
2012 AERIAL PHOTOS
Primary Maps
Roads
Hume Boundary
Suburbs
2013ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
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2007 Urban
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2009
CADASTRAL MAPS
Buildings
Open Space Assets
BBQs
Bollards
Bollard Connection
Bridges
Cricket Nets
Electrical Hubs
Fences
Flag Poles
Garden Beds
Gates
Goal Post Nets
Light Poles
Piers
Rubbish Bins
Rubbish Bin Pads
Seats Pads
Signs
Compliance Sign
Public Information Si
Warning Sign
Structures
Surface Drain Pits
Tables
Turf Wickets
Water Drink Taps
Water Meters
Water Tanks
Water Taps
Car Parks
Car Park Base
Car Park Edges
Selection
Tasks
Module Admin
OPEN SPACE
Search Address
Property Information
Print & Copy
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Redline
Refresh Map
Map Tooltips
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Zoom rectangle
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Zoom out
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Previous view
Next view
ALMURTA AVENUE
COOLAROO
Metal
Light Pole
Shade Structure
Storage Shed
Shipping Container


Legend
BBQs
Bollards
Bollard Connection
Bridges
Cricket Nets
Electrical Hubs
Fences
Flag Poles
Garden Beds
Gates
Goal Post Nets
Light Poles
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Rubbish Bins
Rubbish Bin Pads
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Signs
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Tables
Turf Wickets
Water Drink Taps
Water Meters
Water Tanks
Water Taps
Car Parks
Car Park Base
Car Park Edges
Car Park Lines
Irrigation
Assets From Other Modu
Trees
Stormwater Pits
Stormwater Pipes
Footpaths
Playgrounds
Sport Facilities
Building Footprints
Feature maps
Contours
Water Bodies
Railway Stations
Waterways
Railways
Selection
Tasks
Module Admin
OPEN SPACE
Search Address
Property Information
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Map Tooltips
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Initial map view
Previous view
Next view
ALMURTA AVENUE
Metal
Light Pole
Shade Structure
COOLAROO
Storage Shed
PROGRESS RESERVE BMX TRACK
PROGRESS RESERVE AW
PROGRESS RESERVE SKATE PARK
CRESCENT
Assets from Other Modules

Themed and Actual Map Layer Categories @ HUME

General Maps	
Aerial Photos	9
Primary & Cadastral Map Base	13
Feature Maps & Emergency	20
Facilities	42
All Buildings	8
Area Maps	7
External & Utilities	
Main Transmission Lines	4
Power Lines & Poles	10
Melbourne Water	14
Cultural Sensitivity	4
Planning	68
Asset Layers	
Building Footprints	6
Building Assets	16
Hume Properties	10
Open Space Assets	29
Road Assets	30
Play Space	9
Trees	3
Themed Maps	
Property Valuations	3
Footpaths Priorities	4
Footpath Conditions	5
Footpath Defects	20
Footpath Repairs	6
Trees	17
Services	
Hard Waste	14
City Laws	18

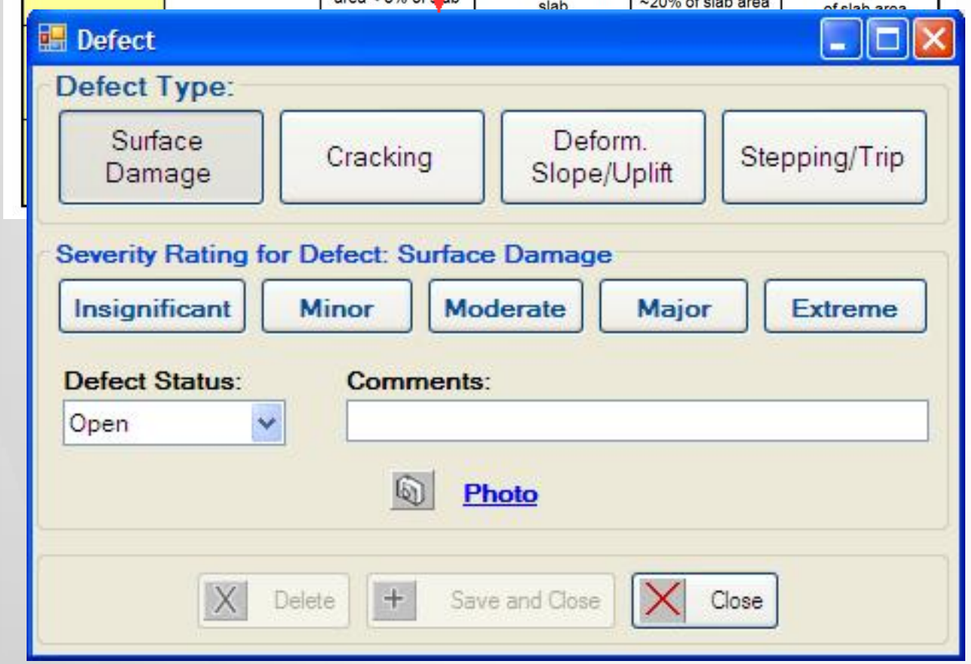
Total 389 Layers

Field Data Capture Workflow processes For Assets Condition Mapping

Footpaths Defect Capture Application Development

Footpath *Defects* Rating

	Severity Rating				
Distress Mode	**1 (NEW/ Insignificant /Slight)**	**2 (Minor)**	**3 (Moderate)**	**4 (Major)**	**5 (Extreme)**
Surface Damage	No noticeable or superficial surface damage	Blemishes scratches discolouratio or minor ravell apparent, a affected <5	Some spalling, gouges, oxidation, ravelling, material failure and depression, area affected 5~10%	Significant surface damage, area affected 10~20%	Extensive surface damage, area affected >20%
Cracking	Fine (Hairline) Crack	Appare <10mm, cr area < 5% of ab	Moderate 10~20mm, crack area 5%~10% of slab	Crack 10~20mm,Multiple Locations, 10% ~20% of slab area	Crack > 20mm,Extensive, Multiple Locations, > 20%





Tablet PC Defect Capture Interface

Data Capture & Inspections Workflow

FOOTPATHS - Defect Notification

FOOTPATH_ID	PRIORITY	ROAD NAME	SUBURB
6388	LOW	CONGRAM STREET	

DEFECT_ID	NEAREST ADDRESS	DEFECT TYPE	DEFECT LE
59785	44 CONGRAM STREET, BROADMEADOWS 304	Stepping / Trip	Major

FOOTPATH_ID	PRIORITY	ROAD NAME
6389	LOW	CONGRAM STREET

DEFECT_ID	NEAREST ADDRESS	DEFECT TYPE	DEFECT LE
59228	21 CONGRAM STREET, BROADMEADOWS 304	Stepping / Trip	Major

System Issues Defect Notices to Footpath



Field Data Synced to GIS Server Daily

Footpath Work Orders - Microsoft Internet Explorer provided by Hume City Council

Footpath Work Orders

FOOTPATH_ID	6690
FOOTPATH_PRIORITY	LOW
FOOTPATH_TYPE	On road
ENTITYID	2688328
ROAD NAME	MARTELL STREET
SUBURB	BROADMEADOWS
PROCLAIM_NO	1820
PROCLAIM_NO_COMPONENT	5
YEAR OF CONSTRUCTION	1959
YEAR OF COME OFF MAINTENANCE	2001
LENGTH (m)	154
UPDATED	24-MAR-2011 14:35:52 PM

less detail

Unassigned Defects

Defects

ID	TYPE	LEVEL	STATUS	REPORTED	MADE SAFE	CLOSED	PHOTOS
27239	Cracking	Minor	Open	17-Dec-10			
27231	Cracking	Minor	Open	17-Dec-10			
27205	Stepping / Trip	Minor	Open	17-Dec-10			
27213	Cracking	Minor	Open	17-Dec-10			
27218	Surface Damage	Minor	Open	17-Dec-10			
27221	Deform. Slope/Uplift	Minor	Open	17-Dec-10			
27234	Stepping / Trip	Minor	Open	17-Dec-10			
27224	Cracking	Extreme	Open	17-Dec-10			
27243	Cracking	Minor	Open	17-Dec-10			
27238	Stepping / Trip	Minor	Open	17-Dec-10			



Local intranet 100%

AIMS

Defect

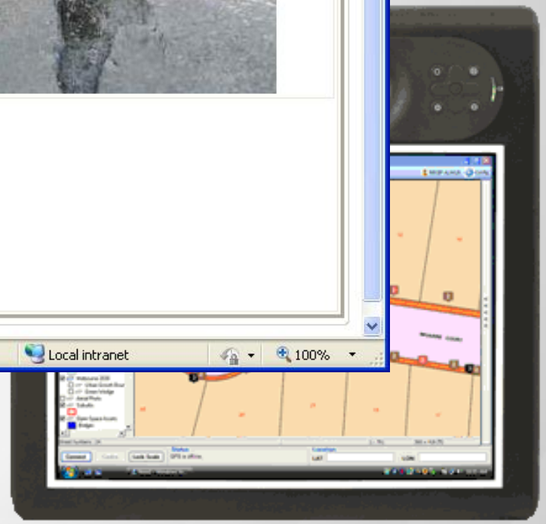
Defect Type:

Surface Damage | Cracking | Deform. Slope/Uplift | Stepping/Trip

Severity Rating for Defect: Surface Damage

Insignificant | Minor | Moderate | Major | Extreme

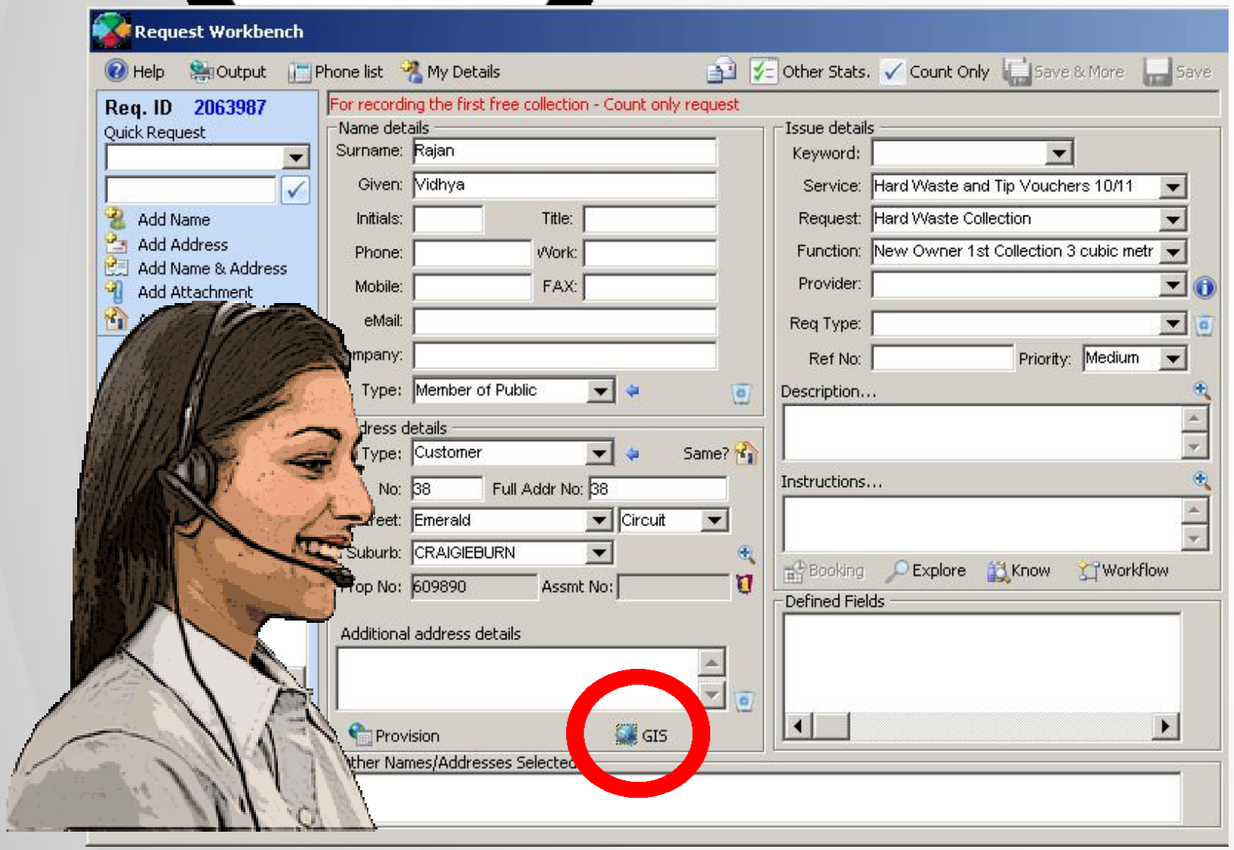
Selected



Inspector receives Defect Points

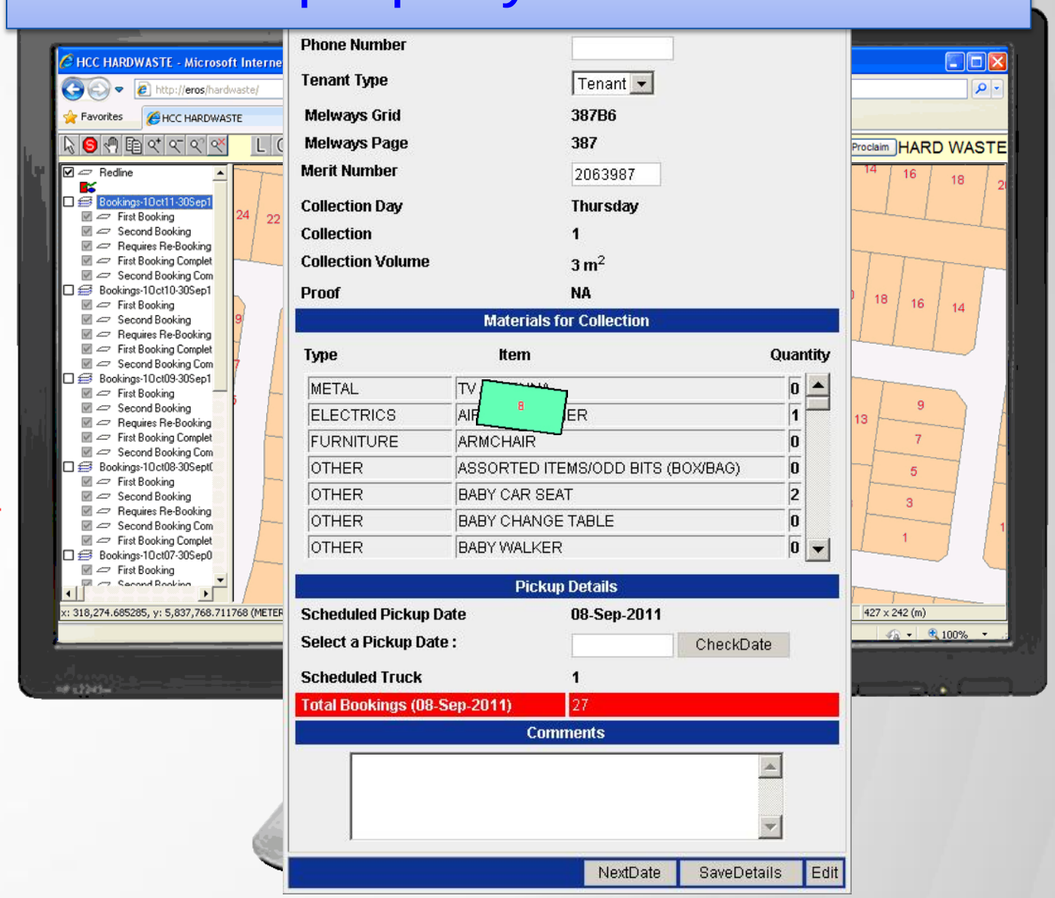
Hard Waste Collection Processes





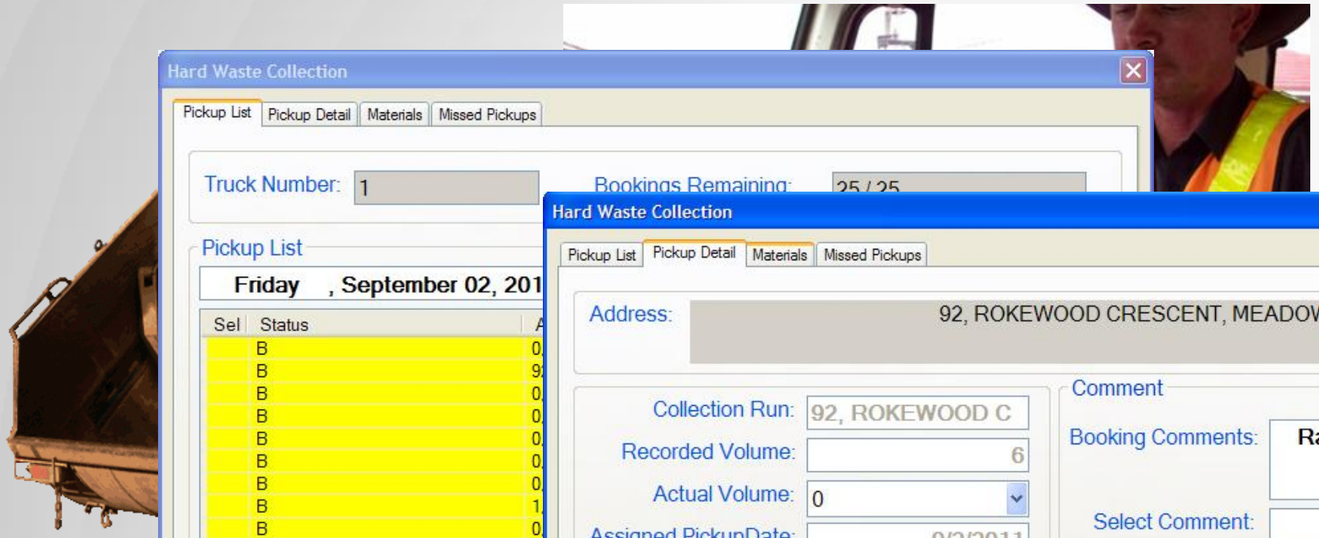
Collection call Registered with CRM

Hardwaste Module opens with selected property zoomed to view

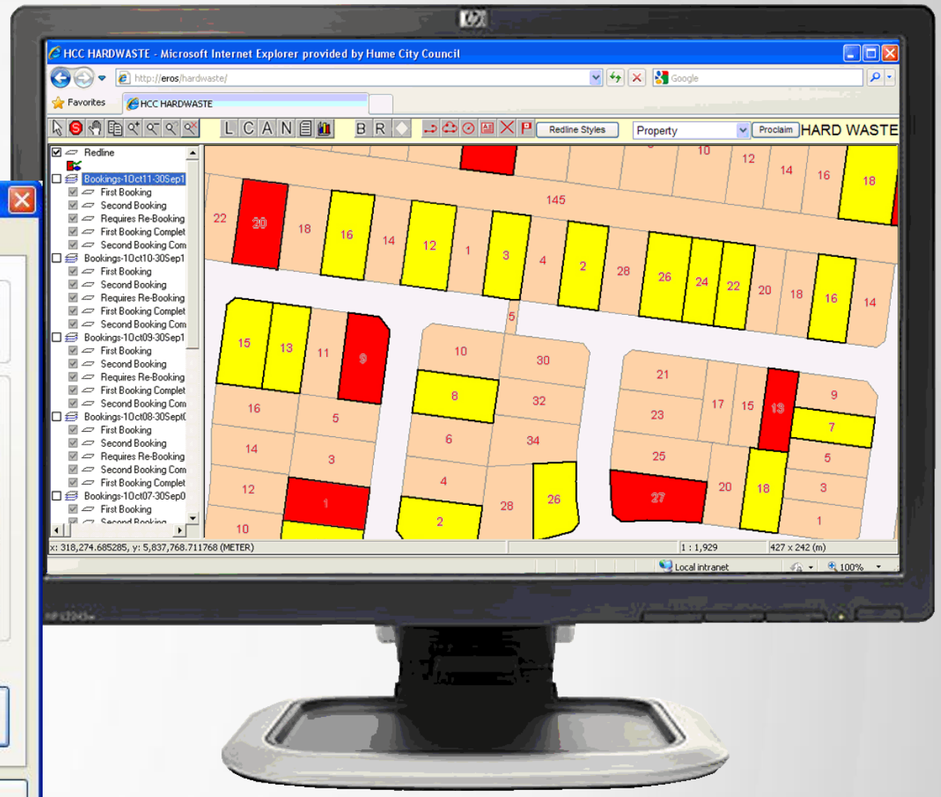


Collection Recorded in GIS

Next morning Previous day's Bookings Transmitted to Collection Truck





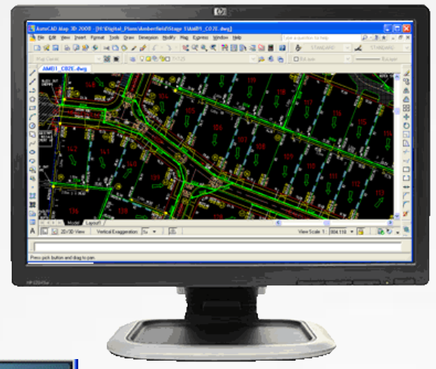


Collection Data Synced to Server

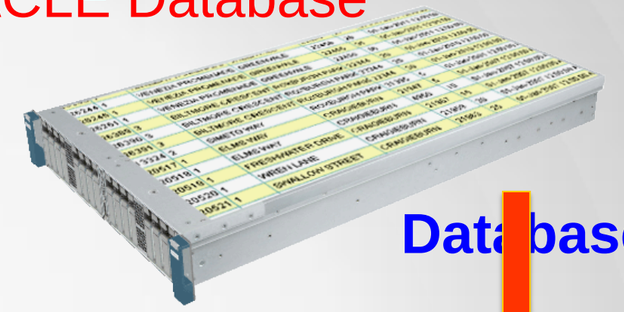


GIS Network Infrastructure, Servers and Applications and Management Workflow

Map 3D

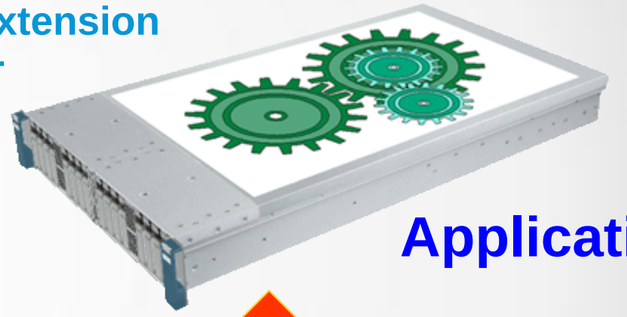


ORACLE Database



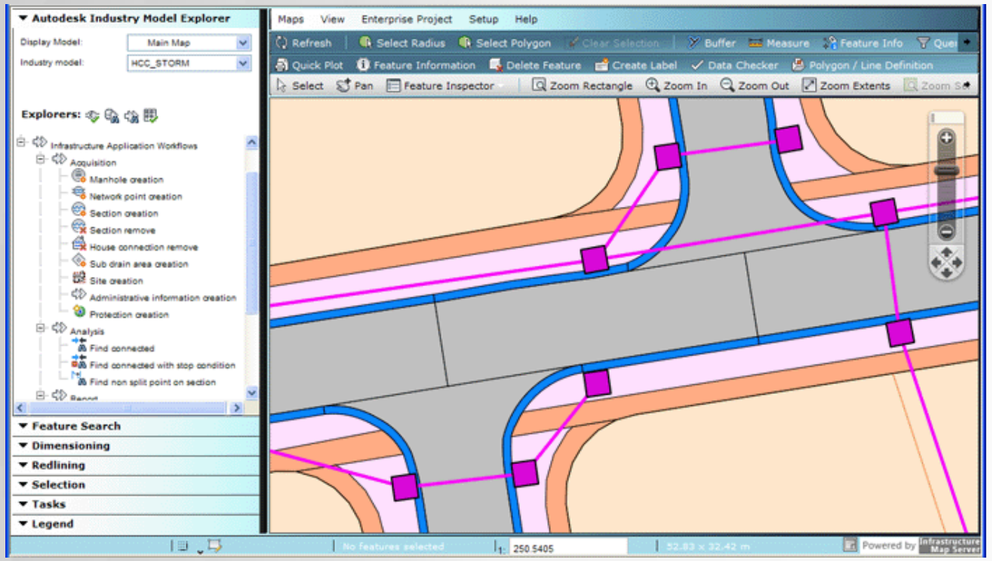
Database Server

Internet Information Services
AIMS Web Server Extension
Cold Fusion Server
Oracle DB Client



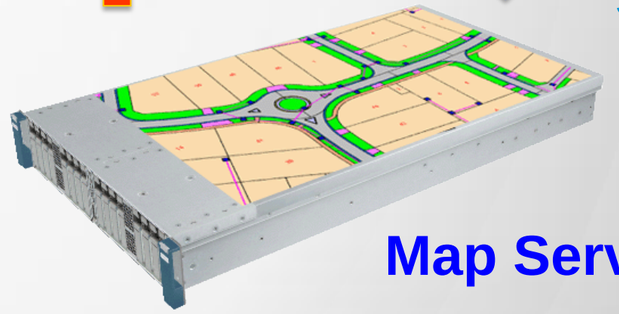
AN Server

Application Server



AIMS Map Viewer

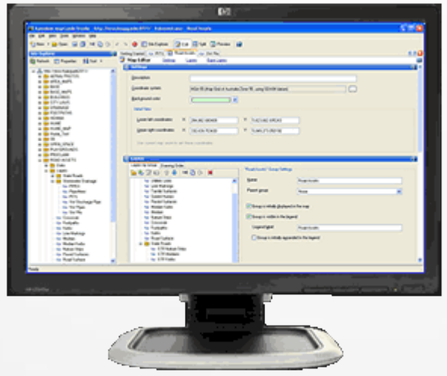
SAN Server



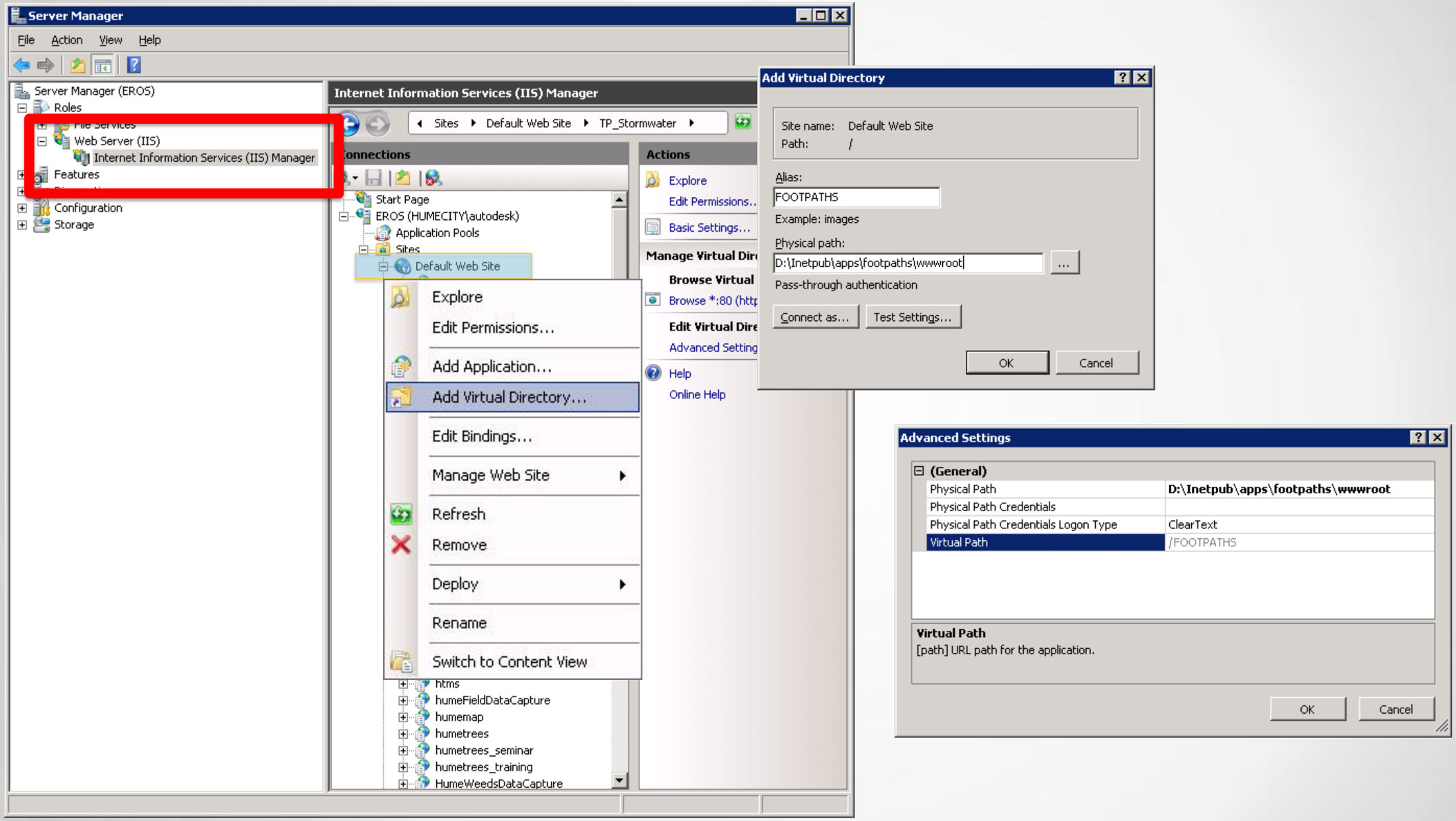
Map Server

Infrastructure Map Server

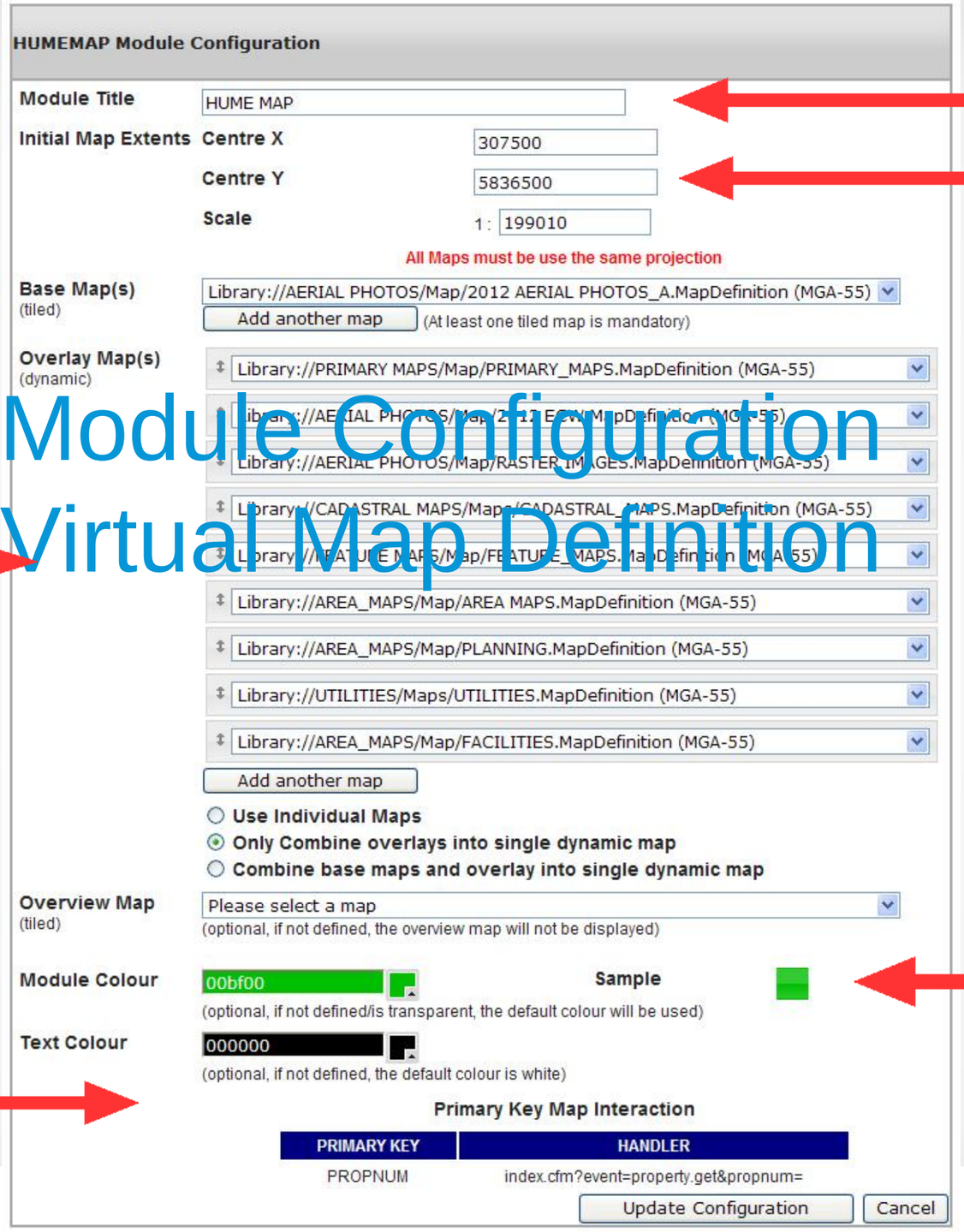
AIMS Studio



Multi Module Set-Up and Configuring Internet Information Services


Server Manager
File Action View Help
Server Manager (EROS)
Roles
Web Server (IIS)
Internet Information Services (IIS) Manager
Features
Configuration
Storage
Internet Information Services (IIS) Manager
Sites ▸ Default Web Site ▸ TP_Stormwater ▸
Connections
Start Page
EROS (HUMECITY\autodesk)
Application Pools
Sites
Default Web Site
Explore
Edit Permissions...
Add Application...
Add Virtual Directory...
Edit Bindings...
Manage Web Site
Refresh
Remove
Deploy
Rename
Switch to Content View
htms
humeFieldDataCapture
humemap
humetrees
humetrees_seminar
humetrees_training
HumeWeedsDataCapture
Actions
Explore
Edit Permissions...
Basic Settings...
Manage Virtual Dir
Browse Virtual
Browse *:80 (http
Edit Virtual Dire
Advanced Setting
Help
Online Help
Add Virtual Directory
Site name: Default Web Site
Path: /
Alias:
FOOTPATHS
Example: images
Physical path:
D:\Inetpub\apps\footpaths\wwwroot
...
Pass-through authentication
Connect as...
Test Settings...
OK
Cancel
Advanced Settings
(General)
Physical Path
D:\Inetpub\apps\footpaths\wwwroot
Physical Path Credentials
Physical Path Credentials Logon Type
ClearText
Virtual Path
/FOOTPATHS
Virtual Path
[path] URL path for the application.
OK
Cancel

Module Configuration
Virtual Map Definition



Module Name

Map Coordinates and Initial Scale

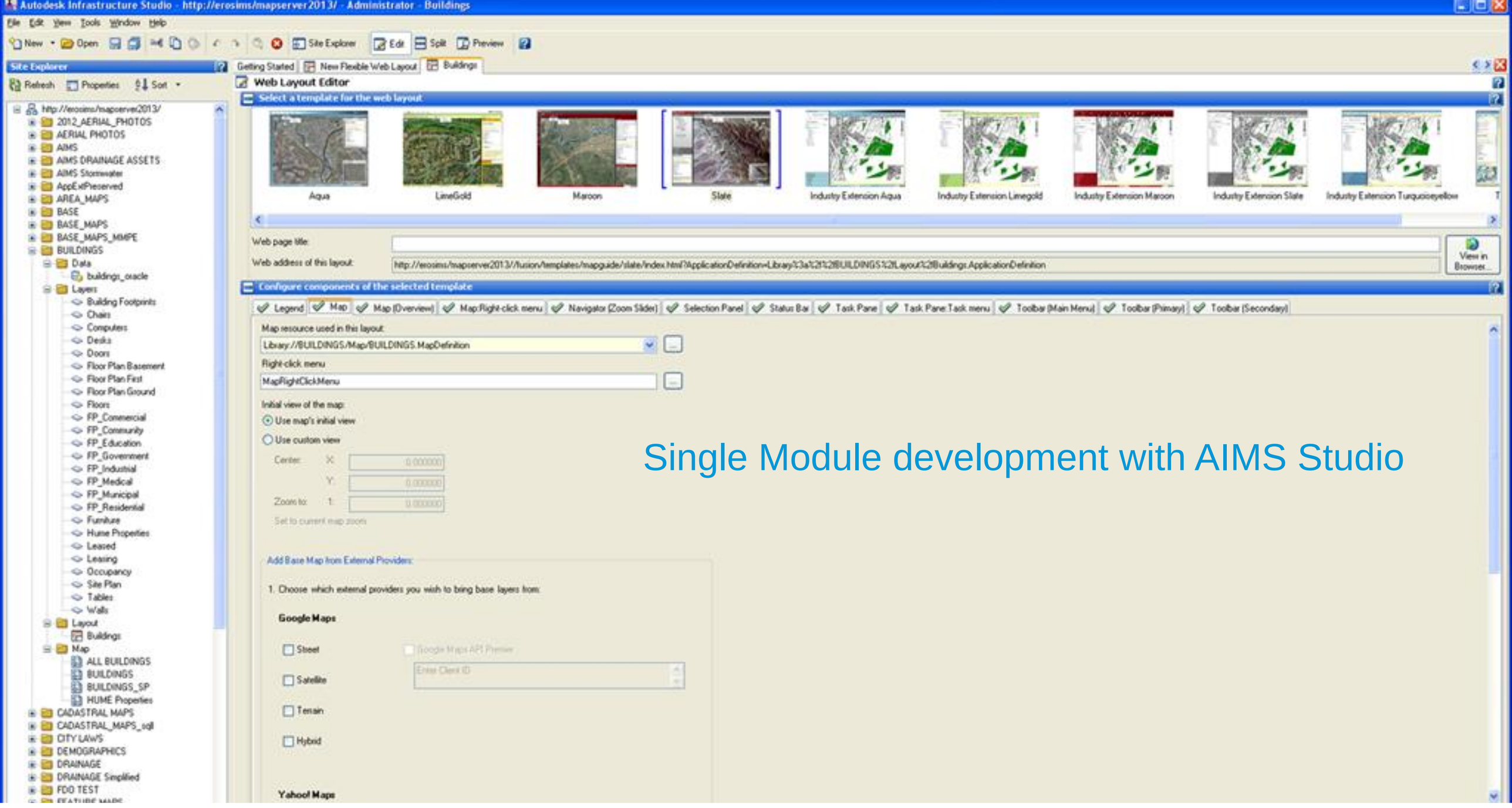
Tiled Primary Map

Dynamic – Base & Module Maps

Overview Map

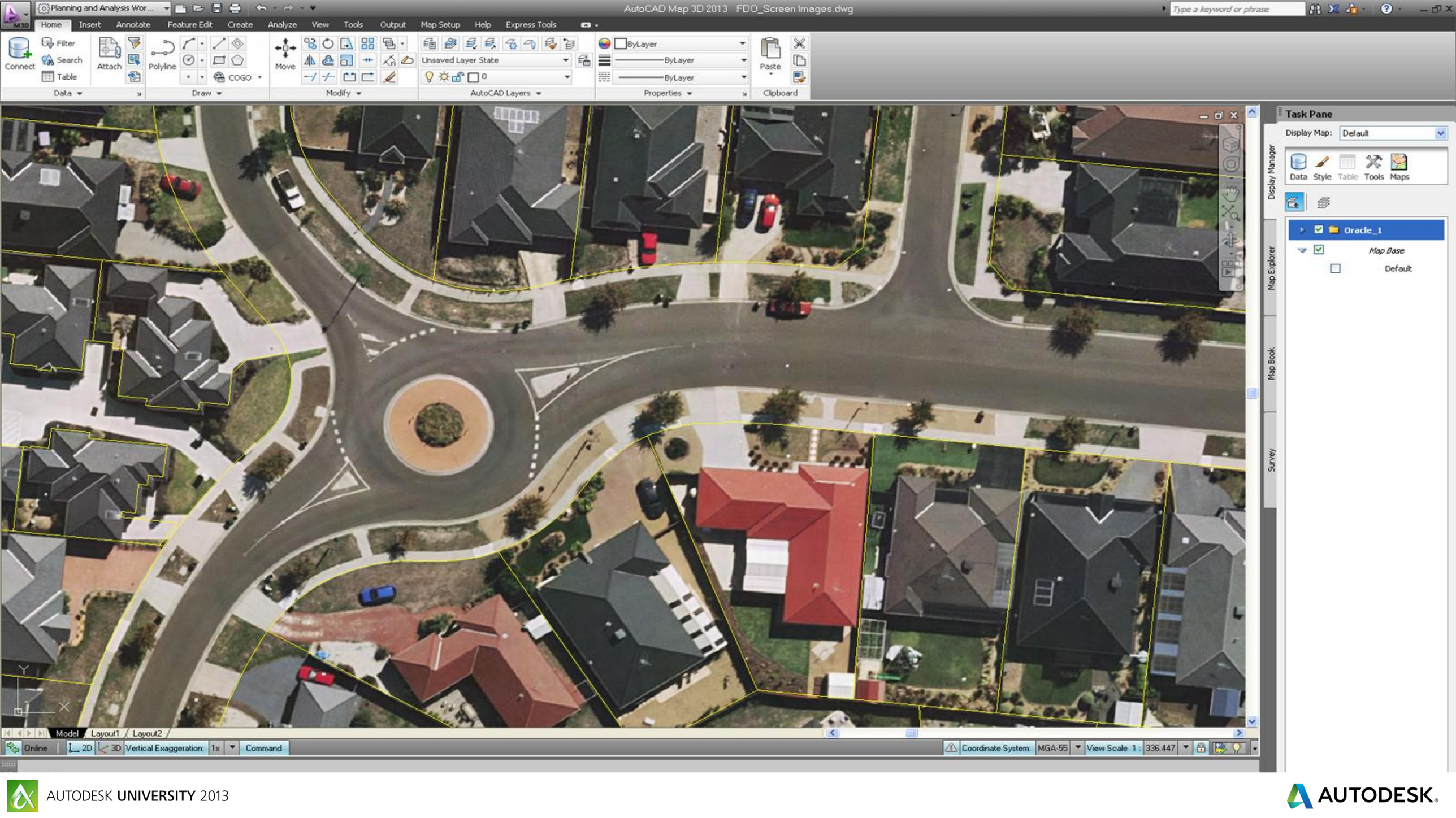
Text & Module Colour Styling

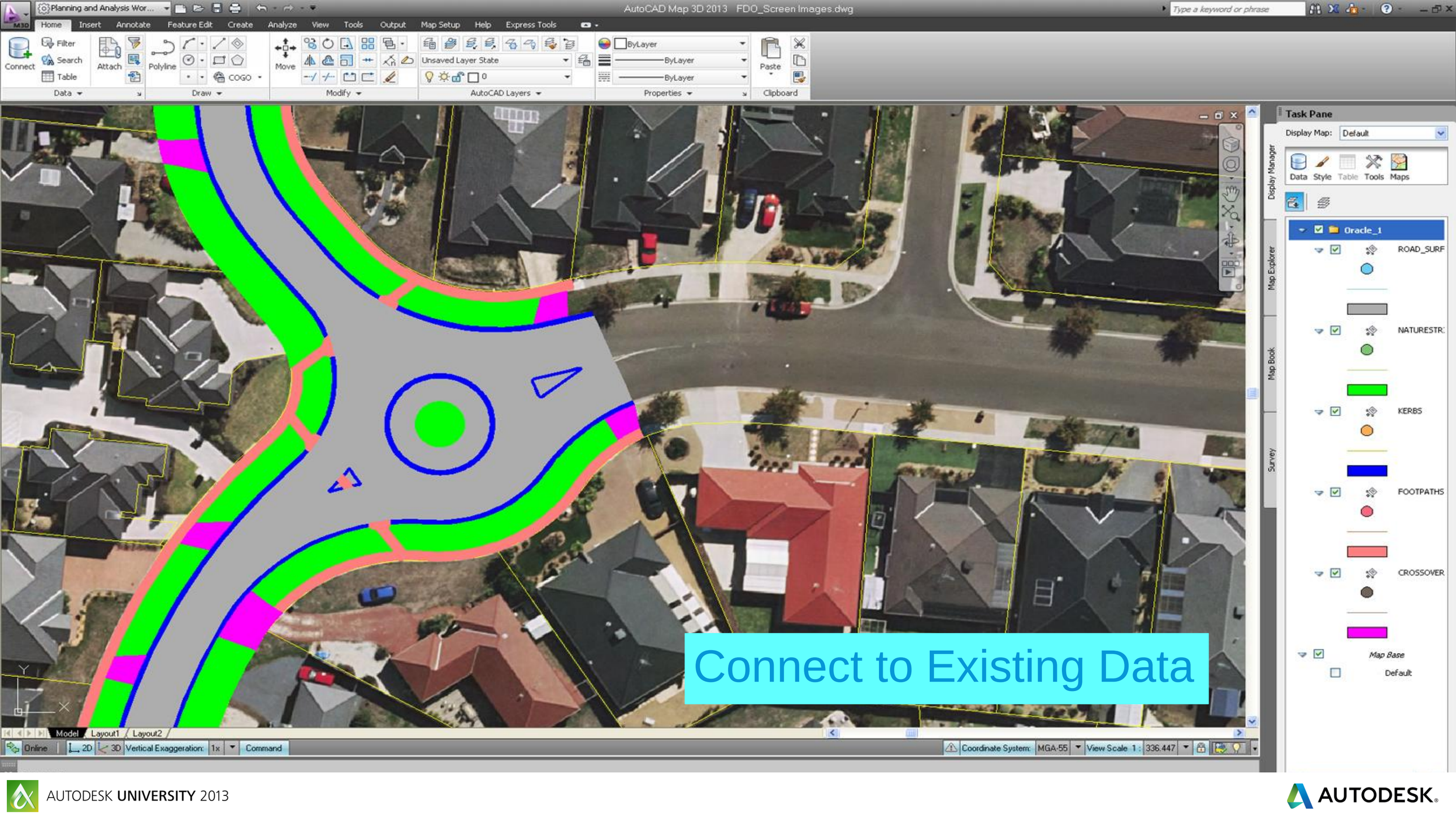
Business Rules Primary Keys

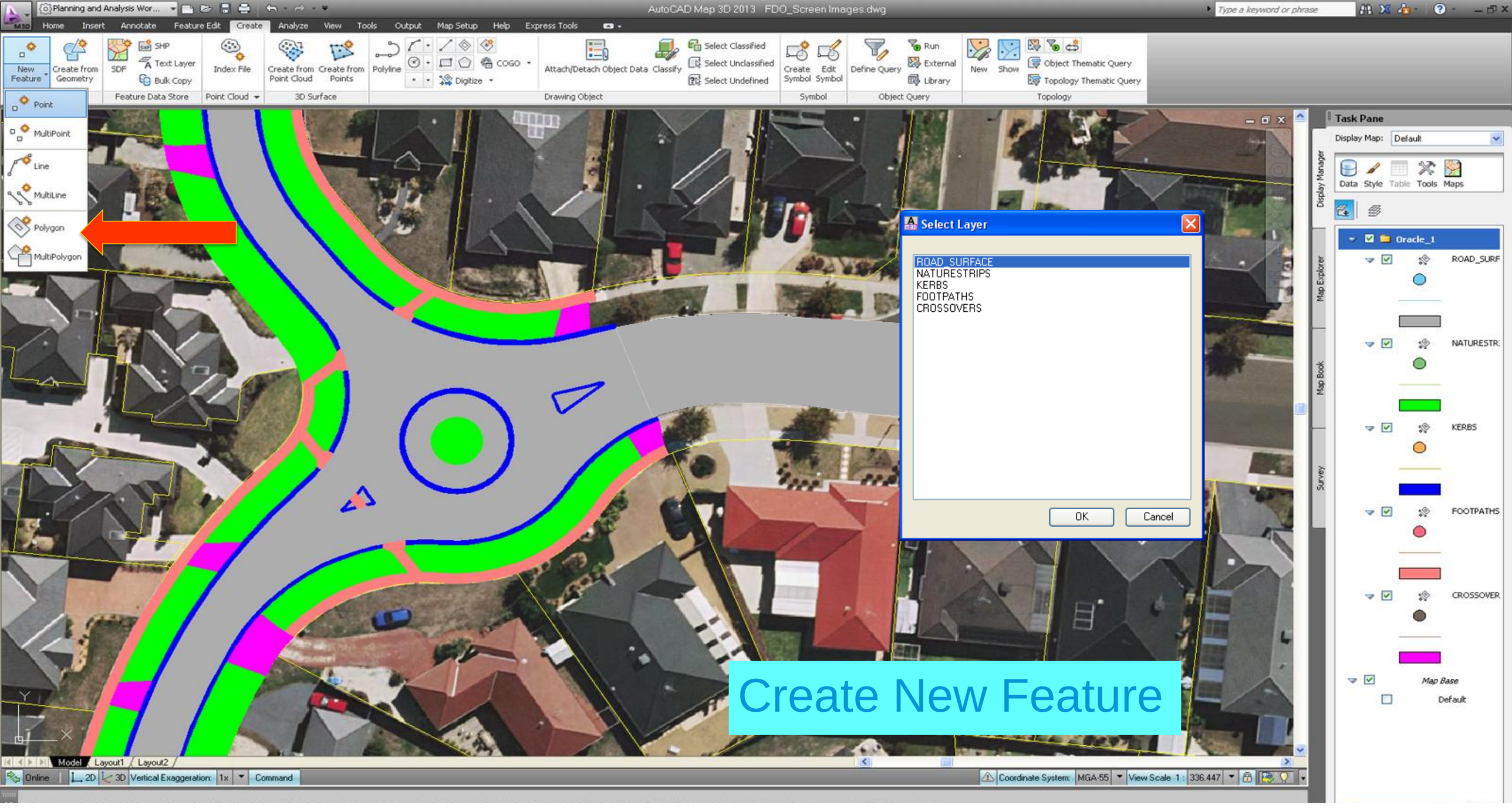


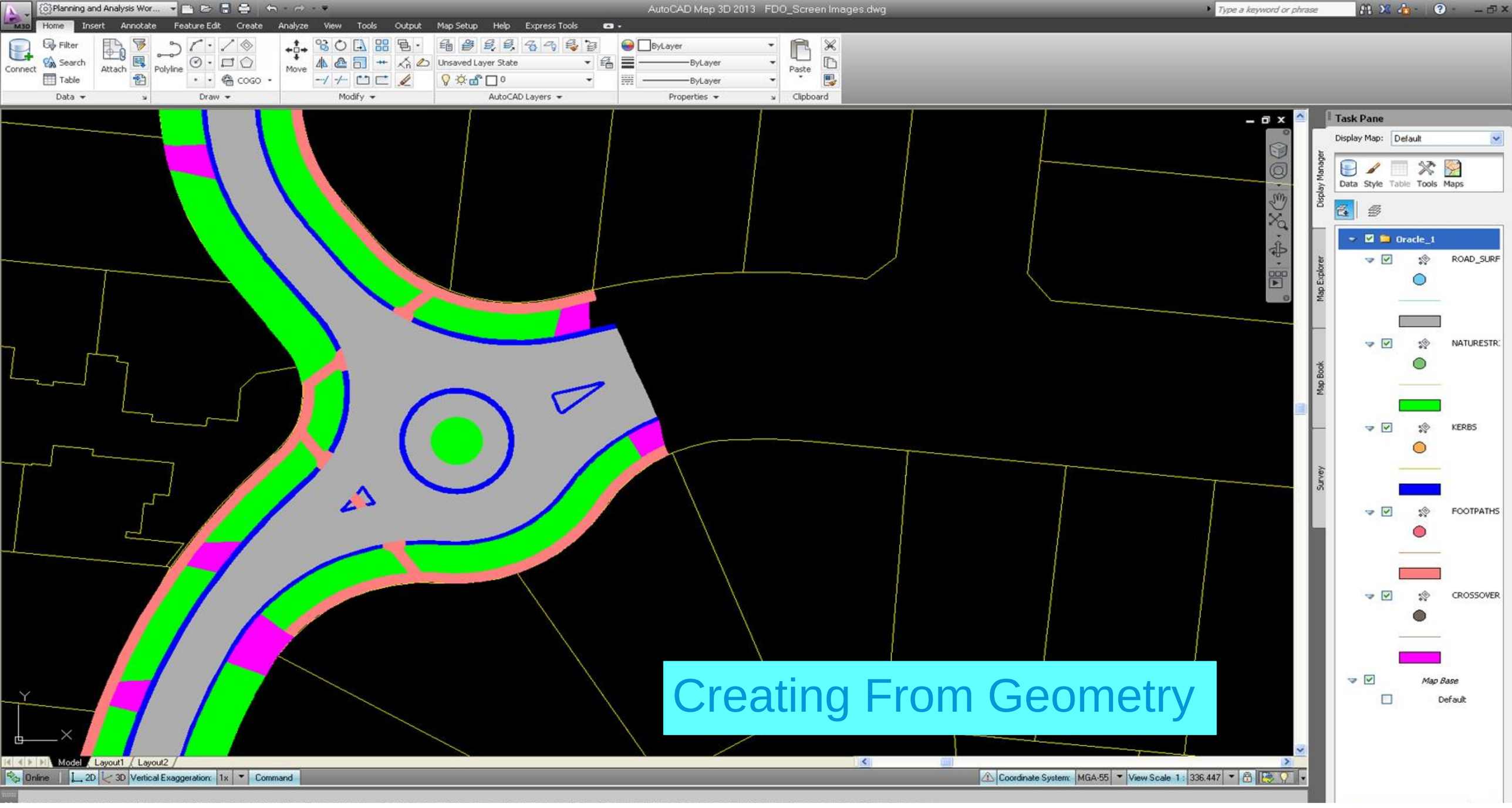
Single Module development with AIMS Studio

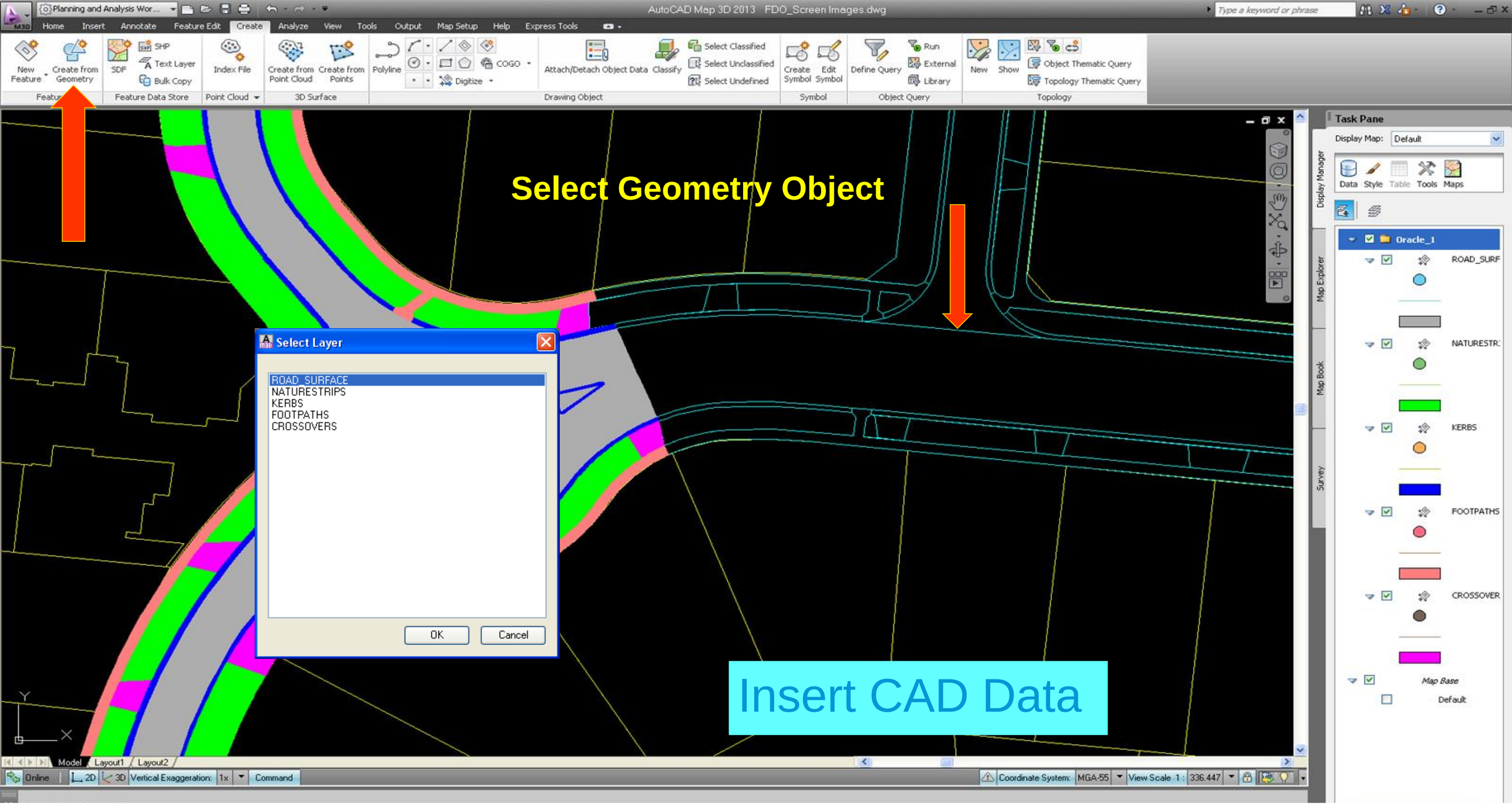
Asset Data Capture and recording with Autodesk® AutoCAD® Map 3D

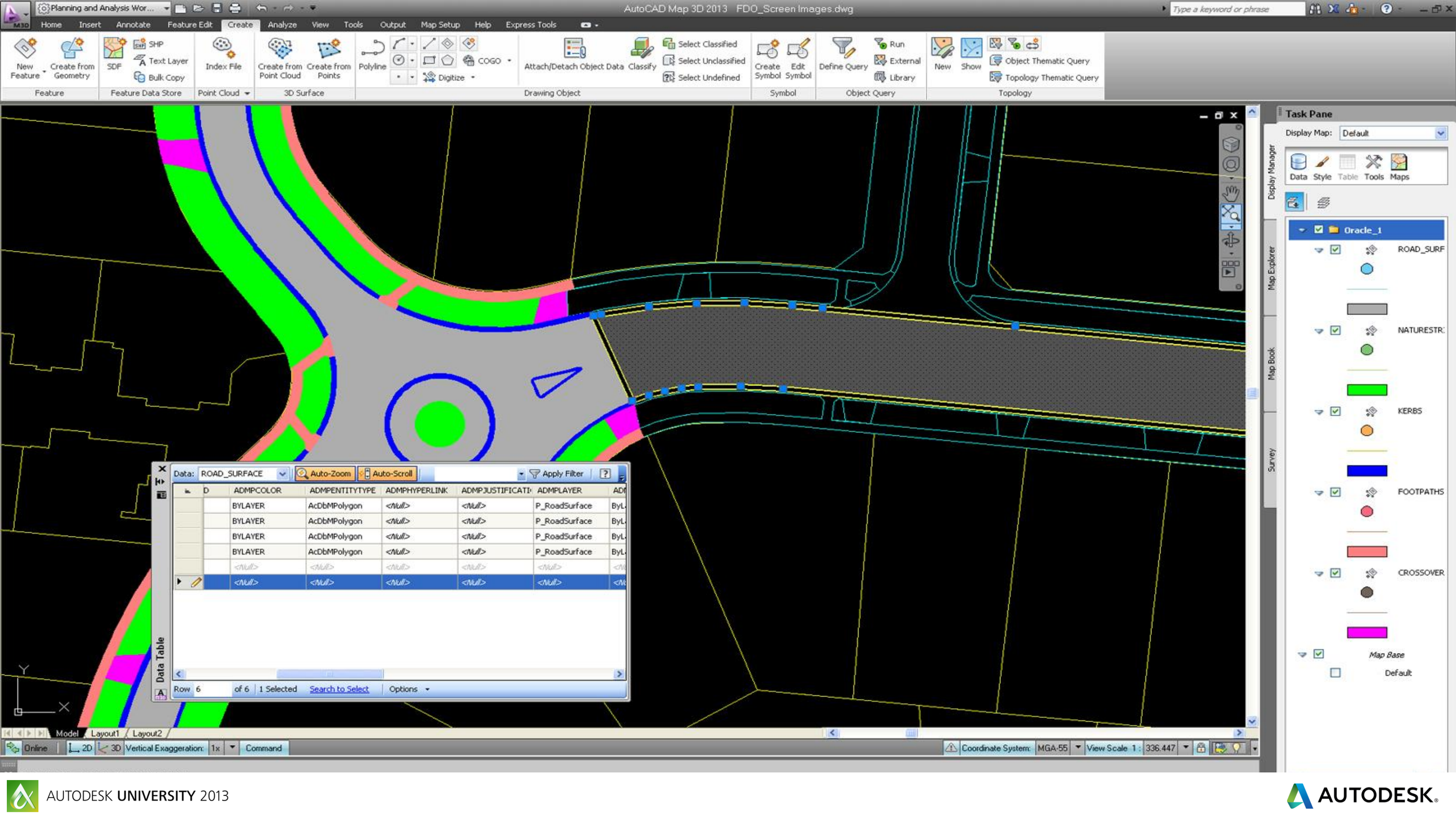

Planning and Analysis Wor...
AutoCAD Map 3D 2013 FDO_Screen Images.dwg
Type a keyword or phrase
Home
Insert
Annotate
Feature Edit
Create
Analyze
View
Tools
Output
Map Setup
Help
Express Tools
Connect
Filter
Search
Table
Attach
Polyline
COGO
Move
Unsaved Layer State
ByLayer
Paste
Data
Draw
Modify
AutoCAD Layers
Properties
Clipboard
Task Pane
Display Map:
Default
Data
Style
Table
Tools
Maps
Oracle_1
Map Base
Default
Display Manager
Map Explorer
Map Book
Survey
Model
Layout1
Layout2
Online
2D
3D
Vertical Exaggeration:
1x
Command
Coordinate System:
MGA-55
View Scale 1 :
336.447

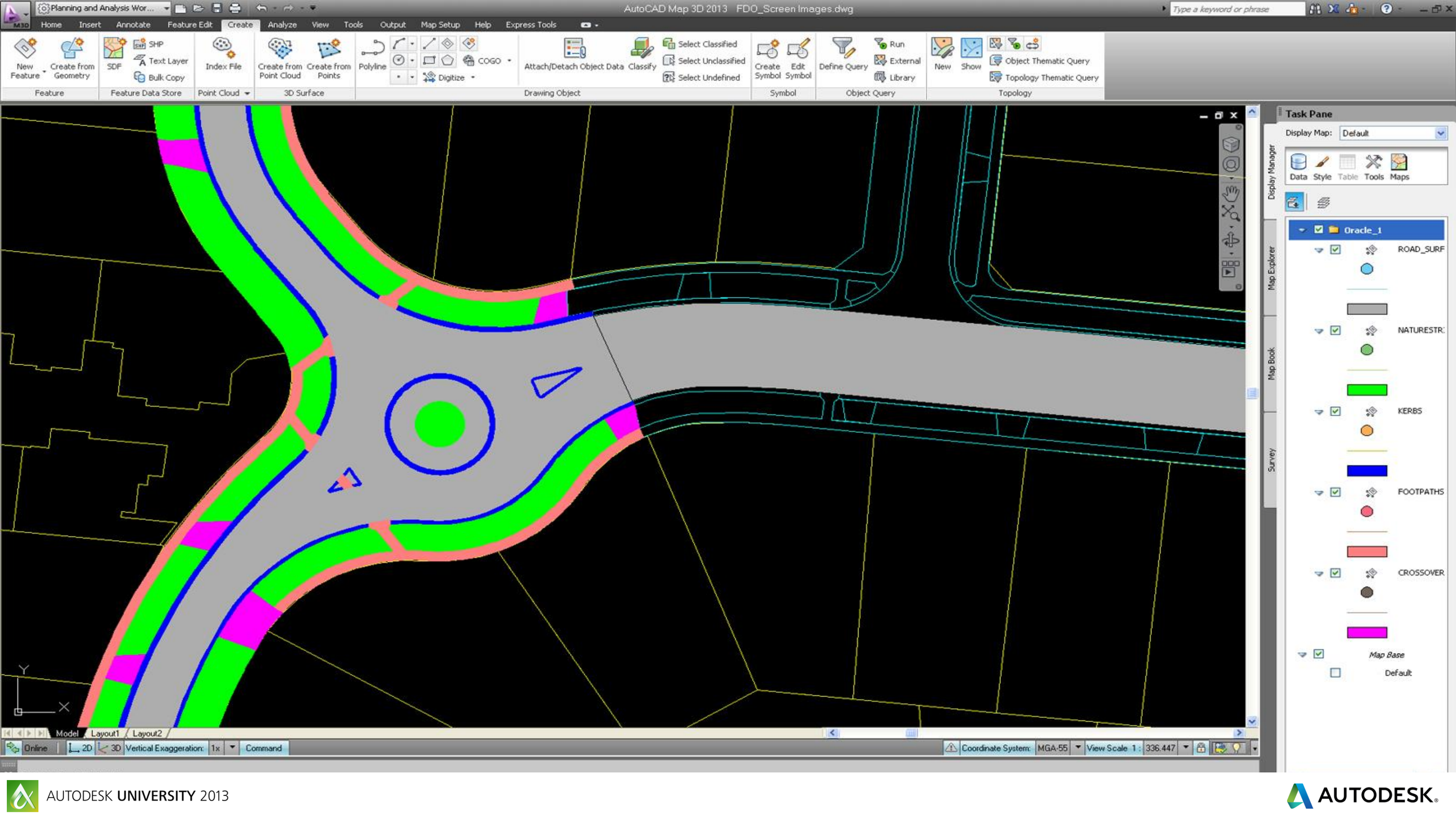

AutoCAD Map 3D 2013 FDO_Screen Images.dwg
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Create
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Tools
Output
Map Setup
Help
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Table
Attach
Polyline
COGO
Move
Paste
Data
Draw
Modify
AutoCAD Layers
Properties
Clipboard
Unsaved Layer State
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Maps
Display Manager
Map Explorer
Map Book
Survey
Oracle_1
ROAD_SURF
NATURESTR
KERBS
FOOTPATHS
CROSSOVER
Map Base
Default
Model
Layout1
Layout2
Online
2D
3D
Vertical Exaggeration:
1x
Command
Coordinate System:
MGA-55
View Scale 1 :
336.447
Connect to Existing Data

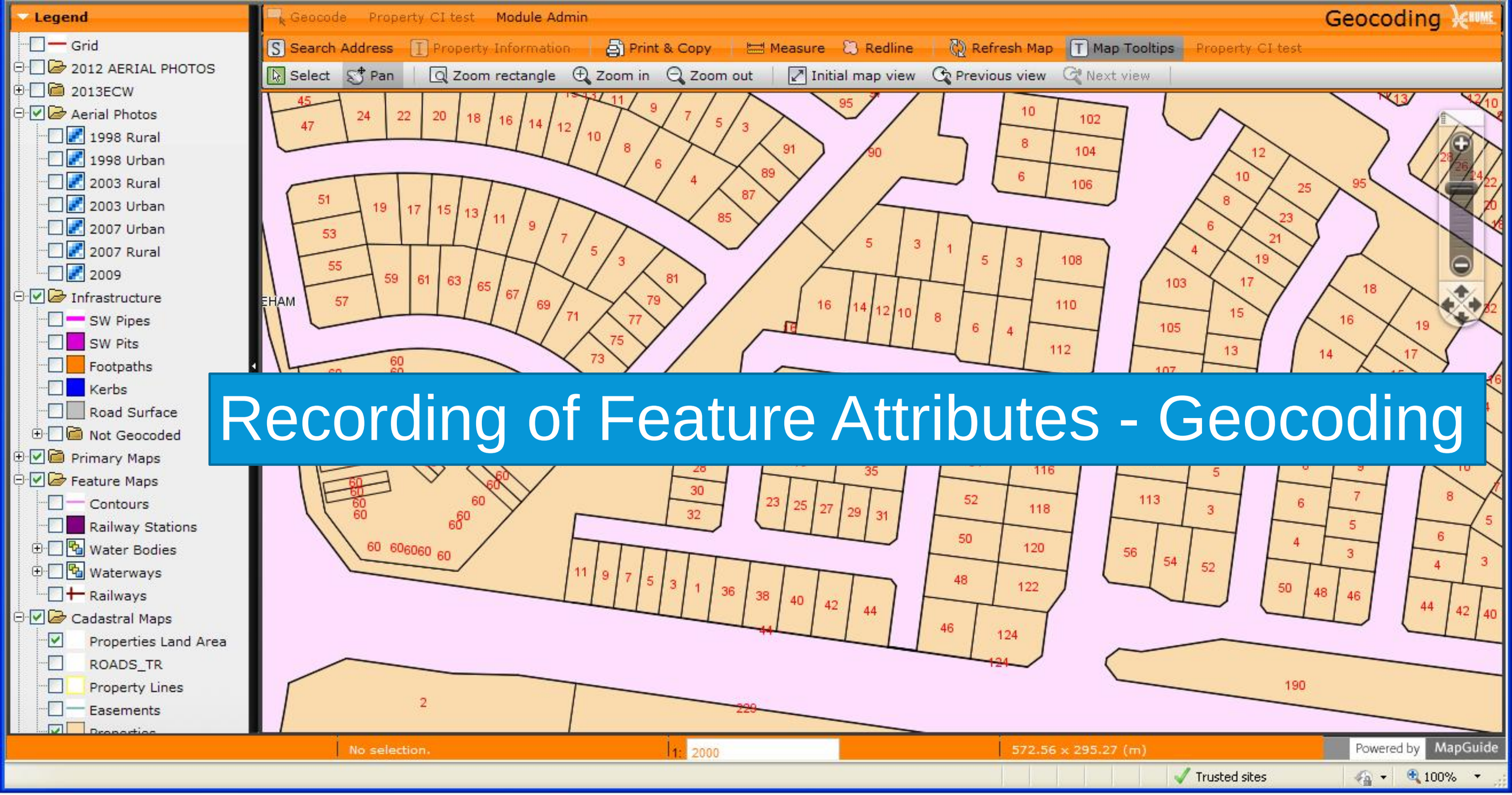

AutoCAD Map 3D 2013 FDO_Screen Images.dwg
Home Insert Annotate Feature Edit Create Analyze View Tools Output Map Setup Help Express Tools
New Feature
Create from Geometry
SDF
SHP
Text Layer
Bulk Copy
Feature Data Store
Index File
Point Cloud
Create from Point Cloud
Create from Points
3D Surface
Polyline
COGO
Digitize
Attach/Detach Object Data
Classify
Select Classified
Select Unclassified
Select Undefined
Drawing Object
Create Symbol
Edit Symbol
Symbol
Define Query
Run
External
Library
Object Query
New
Show
Object Thematic Query
Topology Thematic Query
Topology
Point
MultiPoint
Line
MultiLine
Polygon
MultiPolygon
Select Layer
ROAD_SURFACE
NATURESTRIPS
KERBS
FOOTPATHS
CROSSOVERS
OK
Cancel
Task Pane
Display Map: Default
Data Style Table Tools Maps
Display Manager
Map Explorer
Map Book
Survey
Oracle_1
ROAD_SURF
NATURESTR
KERBS
FOOTPATHS
CROSSOVER
Map Base
Default
Create New Feature
Model Layout1 Layout2
Online 2D 3D Vertical Exaggeration: 1x Command
Coordinate System: MGA-55 View Scale 1 : 336.447


AutoCAD Map 3D 2013 FDO_Screen Images.dwg
Home
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Tools
Output
Map Setup
Help
Express Tools
Connect
Filter
Search
Table
Attach
Polyline
COGO
Move
Paste
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Clipboard
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Style
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Tools
Maps
Display Manager
Map Explorer
Map Book
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Oracle_1
ROAD_SURF
NATURESTR
KERBS
FOOTPATHS
CROSSOVER
Map Base
Default
Creating From Geometry
Model
Layout1
Layout2
Online
2D
3D
Vertical Exaggeration:
1x
Command
Coordinate System:
MGA-55
View Scale 1 :
336.447

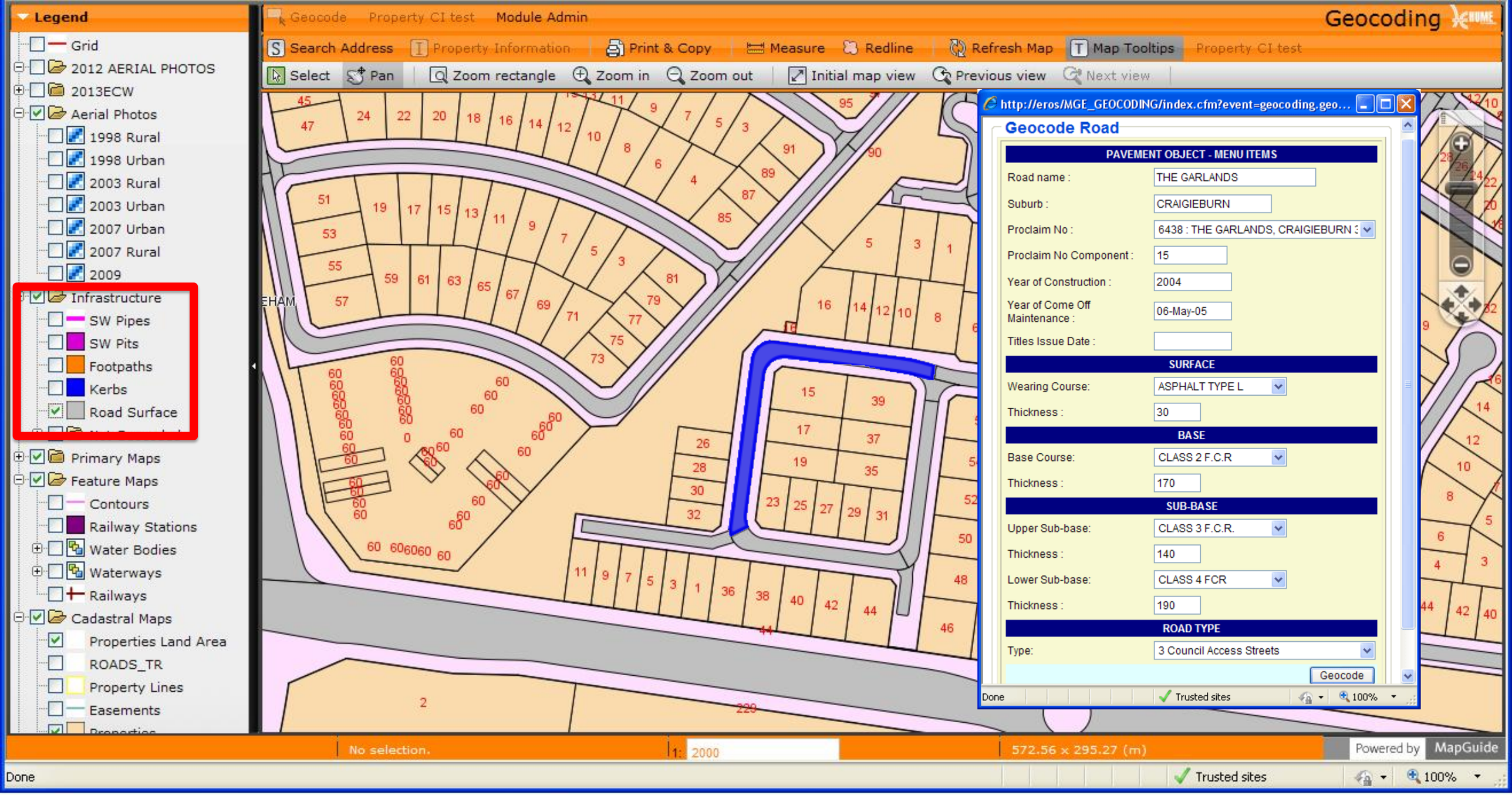

AutoCAD Map 3D 2013 FDO_Screen Images.dwg
Home Insert Annotate Feature Edit Create Analyze View Tools Output Map Setup Help Express Tools
New Feature
Create from Geometry
SDF
SHP
Text Layer
Bulk Copy
Index File
Create from Point Cloud
Create from Points
Polyline
COGO
Digitize
Attach/Detach Object Data
Classify
Select Classified
Select Unclassified
Select Undefined
Create Symbol
Edit Symbol
Define Query
Run
External
Library
New
Show
Object Thematic Query
Topology Thematic Query
Feature Data Store
Point Cloud
3D Surface
Drawing Object
Symbol
Object Query
Topology
Select Geometry Object
Select Layer
ROAD_SURFACE
NATURESTRIPS
KERBS
FOOTPATHS
CROSSOVERS
OK
Cancel
Insert CAD Data
Task Pane
Display Map: Default
Data Style Table Tools Maps
Oracle_1
ROAD_SURF
NATURESTR
KERBS
FOOTPATHS
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Map Base
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Display Manager
Map Explorer
Map Book
Survey
Model Layout1 Layout2
Online 2D 3D Vertical Exaggeration: 1x Command
Coordinate System: MGA-55 View Scale 1 : 336.447

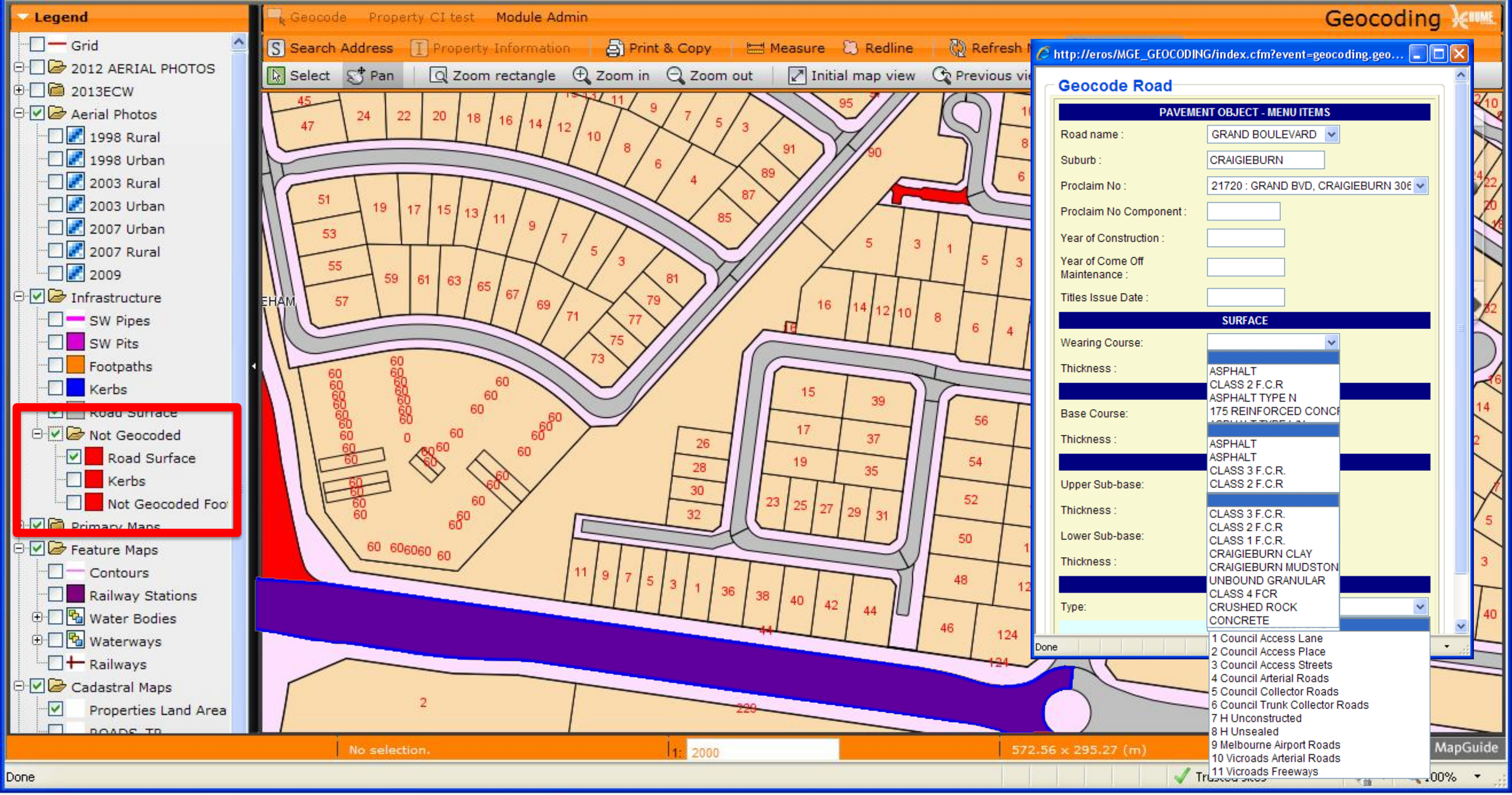

AutoCAD Map 3D 2013 FDO_Screen Images.dwg
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Type a keyword or phrase
Home Insert Annotate Feature Edit Create Analyze View Tools Output Map Setup Help Express Tools
New Feature
Create from Geometry
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SHP
Text Layer
Bulk Copy
Feature Data Store
Index File
Point Cloud
Create from Point Cloud
Create from Points
3D Surface
Polyline
COGO
Digitize
Attach/Detach Object Data
Classify
Select Classified
Select Unclassified
Select Undefined
Drawing Object
Create Symbol
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Symbol
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Default
Data: ROAD_SURFACE
Auto-Zoom
Auto-Scroll
Apply Filter
ID ADMPCOLOR ADMPENTITYTYPE ADMPHYPERLINK ADMPJUSTIFICATI ADMPLAYER
BYLAYER AcDbMPolygon <Null> <Null> P_RoadSurface
Row 6 of 6 1 Selected Search to Select Options
Data Table
Model Layout1 Layout2
Online 2D 3D Vertical Exaggeration: 1x Command
Coordinate System: MGA-55 View Scale 1 : 336.447


Planning and Analysis Wor...
AutoCAD Map 3D 2013 FDO_Screen Images.dwg
Type a keyword or phrase
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SHP
Text Layer
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3D
Vertical Exaggeration:
1x
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Coordinate System:
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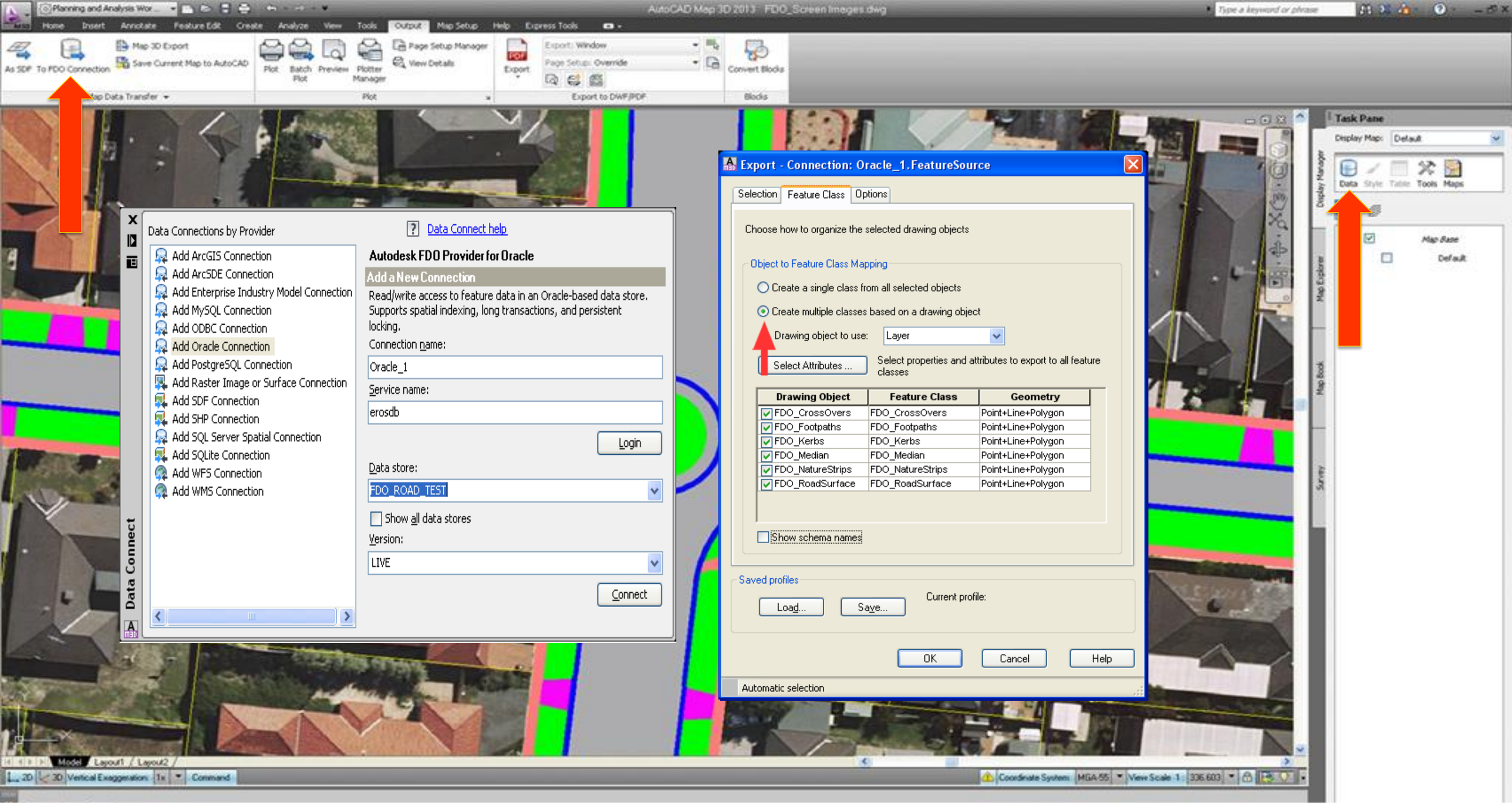


Recording of Feature Attributes - Geocoding

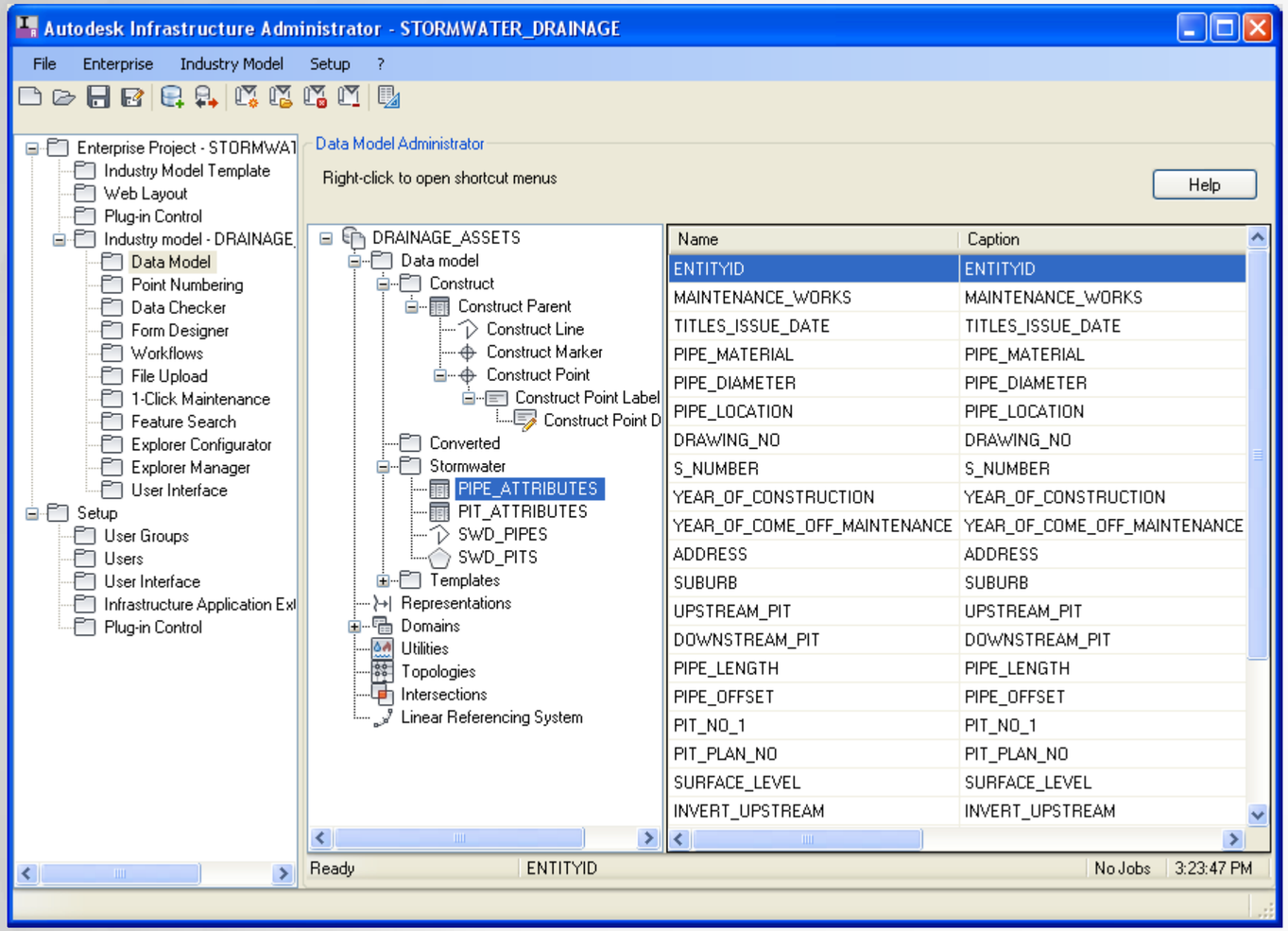

Legend
Grid
2012 AERIAL PHOTOS
2013ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
2003 Urban
2007 Urban
2007 Rural
2009
Infrastructure
SW Pipes
SW Pits
Footpaths
Kerbs
Road Surface
Primary Maps
Feature Maps
Contours
Railway Stations
Water Bodies
Waterways
Railways
Cadastral Maps
Properties Land Area
ROADS_TR
Property Lines
Easements
Geocode
Property CI test
Module Admin
Geocoding
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Property CI test
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
http://eros/MGE_GEOCODING/index.cfm?event=geocoding.geo...
Geocode Road
PAVEMENT OBJECT - MENU ITEMS
Road name : THE GARLANDS
Suburb : CRAIGIEBURN
Proclaim No : 6438 : THE GARLANDS, CRAIGIEBURN
Proclaim No Component : 15
Year of Construction : 2004
Year of Come Off Maintenance : 06-May-05
Titles Issue Date :
SURFACE
Wearing Course: ASPHALT TYPE L
Thickness : 30
BASE
Base Course: CLASS 2 F.C.R
Thickness : 170
SUB-BASE
Upper Sub-base: CLASS 3 F.C.R.
Thickness : 140
Lower Sub-base: CLASS 4 FCR
Thickness : 190
ROAD TYPE
Type: 3 Council Access Streets
Geocode
Done
Trusted sites
100%
No selection.
1: 2000
572.56 x 295.27 (m)
Powered by MapGuide
Done
Trusted sites
100%


Legend
Grid
2012 AERIAL PHOTOS
2013ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
2003 Urban
2007 Urban
2007 Rural
2009
Infrastructure
SW Pipes
SW Pits
Footpaths
Kerbs
Not Geocoded
Road Surface
Kerbs
Not Geocoded Foo
Primary Maps
Feature Maps
Contours
Railway Stations
Water Bodies
Waterways
Railways
Cadastral Maps
Properties Land Area
Geocode
Property CI test
Module Admin
Geocoding
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous vie
http://eros/MGE_GEOCODING/index.cfm?event=geocoding.geo...
Geocode Road
PAVEMENT OBJECT - MENU ITEMS
Road name :
GRAND BOULEVARD
Suburb :
CRAIGIEBURN
Proclaim No :
21720 : GRAND BVD, CRAIGIEBURN 306
Proclaim No Component :
Year of Construction :
Year of Come Off Maintenance :
Titles Issue Date :
SURFACE
Wearing Course:
Thickness :
Base Course:
Thickness :
Upper Sub-base:
Thickness :
Lower Sub-base:
Thickness :
Type:
ASPHALT
CLASS 2 F.C.R
ASPHALT TYPE N
175 REINFORCED CONCR
ASPHALT
ASPHALT
CLASS 3 F.C.R.
CLASS 2 F.C.R
CLASS 3 F.C.R.
CLASS 2 F.C.R
CLASS 1 F.C.R.
CRAIGIEBURN CLAY
CRAIGIEBURN MUDSTON
UNBOUND GRANULAR
CLASS 4 FCR
CRUSHED ROCK
CONCRETE
1 Council Access Lane
2 Council Access Place
3 Council Access Streets
4 Council Arterial Roads
5 Council Collector Roads
6 Council Trunk Collector Roads
7 H Unconstructed
8 H Unsealed
9 Melbourne Airport Roads
10 Vicroads Arterial Roads
11 Vicroads Freeways
Done
No selection.
1: 2000
572.56 x 295.27 (m)
MapGuide
Done

Creating new Oracle Data Source with Autodesk® AutoCAD® Map 3D


AutoCAD Map 3D 2013 - FDO_Screen Images.dwg
Home
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To FDO Connection
Map 3D Export
Save Current Map to AutoCAD
Plot
Batch Plot
Preview
Plotter Manager
Page Setup Manager
View Details
Export
Convert Blocks
Data Connect
Data Connections by Provider
Data Connect help
Add ArcGIS Connection
Add ArcSDE Connection
Add Enterprise Industry Model Connection
Add MySQL Connection
Add ODBC Connection
Add Oracle Connection
Add PostgreSQL Connection
Add Raster Image or Surface Connection
Add SDF Connection
Add SHP Connection
Add SQL Server Spatial Connection
Add SQLite Connection
Add WFS Connection
Add WMS Connection
Autodesk FDO Provider for Oracle
Add a New Connection
Read/write access to feature data in an Oracle-based data store. Supports spatial indexing, long transactions, and persistent locking.
Connection name:
Oracle_1
Service name:
erosdb
Login
Data store:
FDO_ROAD_TEST
Show all data stores
Version:
LIVE
Connect
Export - Connection: Oracle_1.FeatureSource
Selection
Feature Class
Options
Choose how to organize the selected drawing objects
Object to Feature Class Mapping
Create a single class from all selected objects
Create multiple classes based on a drawing object
Drawing object to use:
Layer
Select Attributes ...
Select properties and attributes to export to all feature classes
Drawing Object
Feature Class
Geometry
FDO_CrossOvers
FDO_Footpaths
FDO_Kerbs
FDO_Median
FDO_NatureStrips
FDO_RoadSurface
Point+Line+Polygon
Show schema names
Saved profiles
Load...
Save...
Current profile:
OK
Cancel
Help
Automatic selection
Task Pane
Display Map:
Default
Data
Style
Table
Tools
Maps
Map Base
Default
Model
Layout1
Layout2
Command
Coordinate System:
MGA-55
View Scale 1
336.603

Autodesk Infrastructure Administrator



Set up a new Oracle or SQL based enterprise industry model

Set up a new file-based industry model

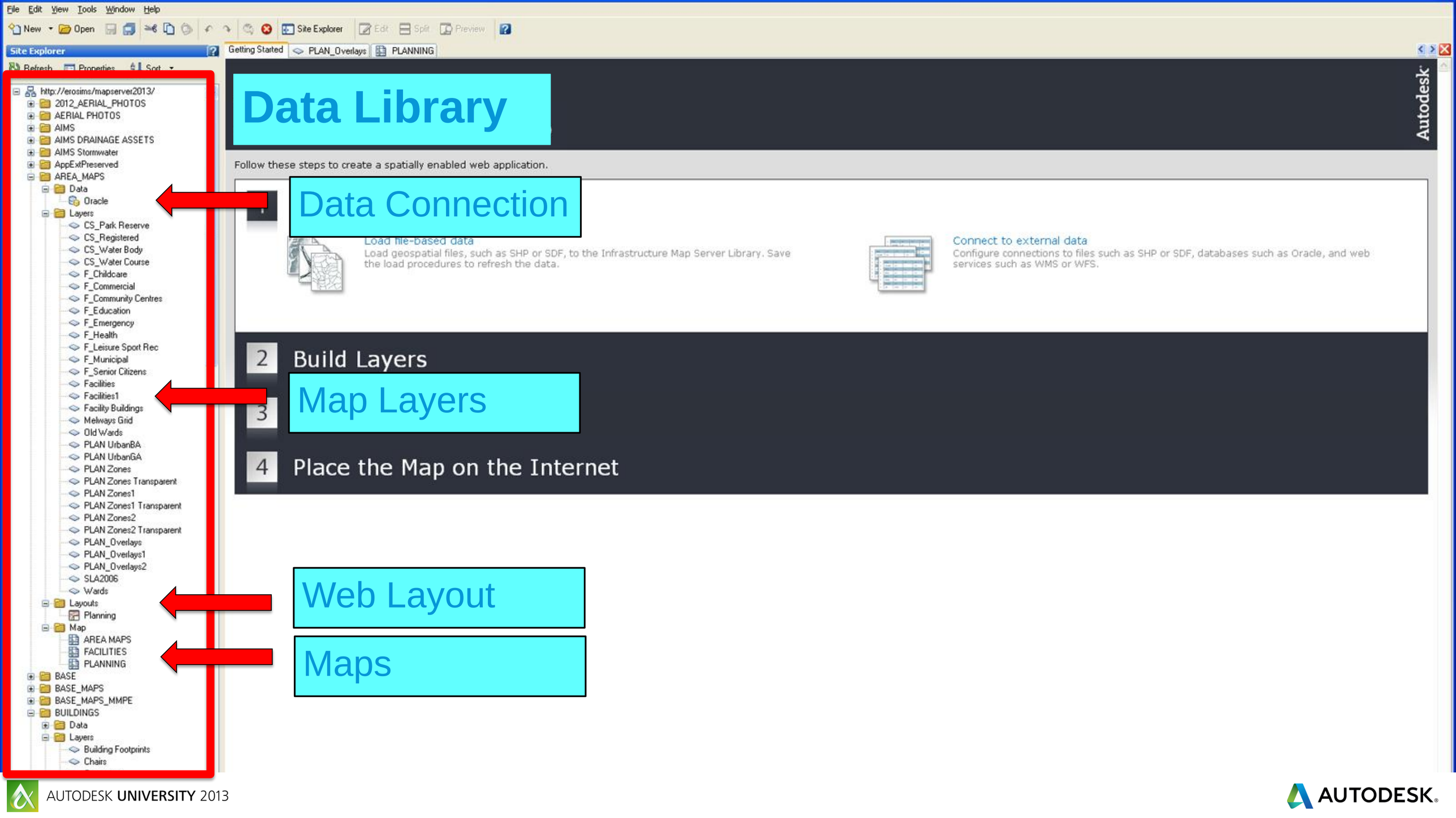
Migrate existing data to AIMS TP format

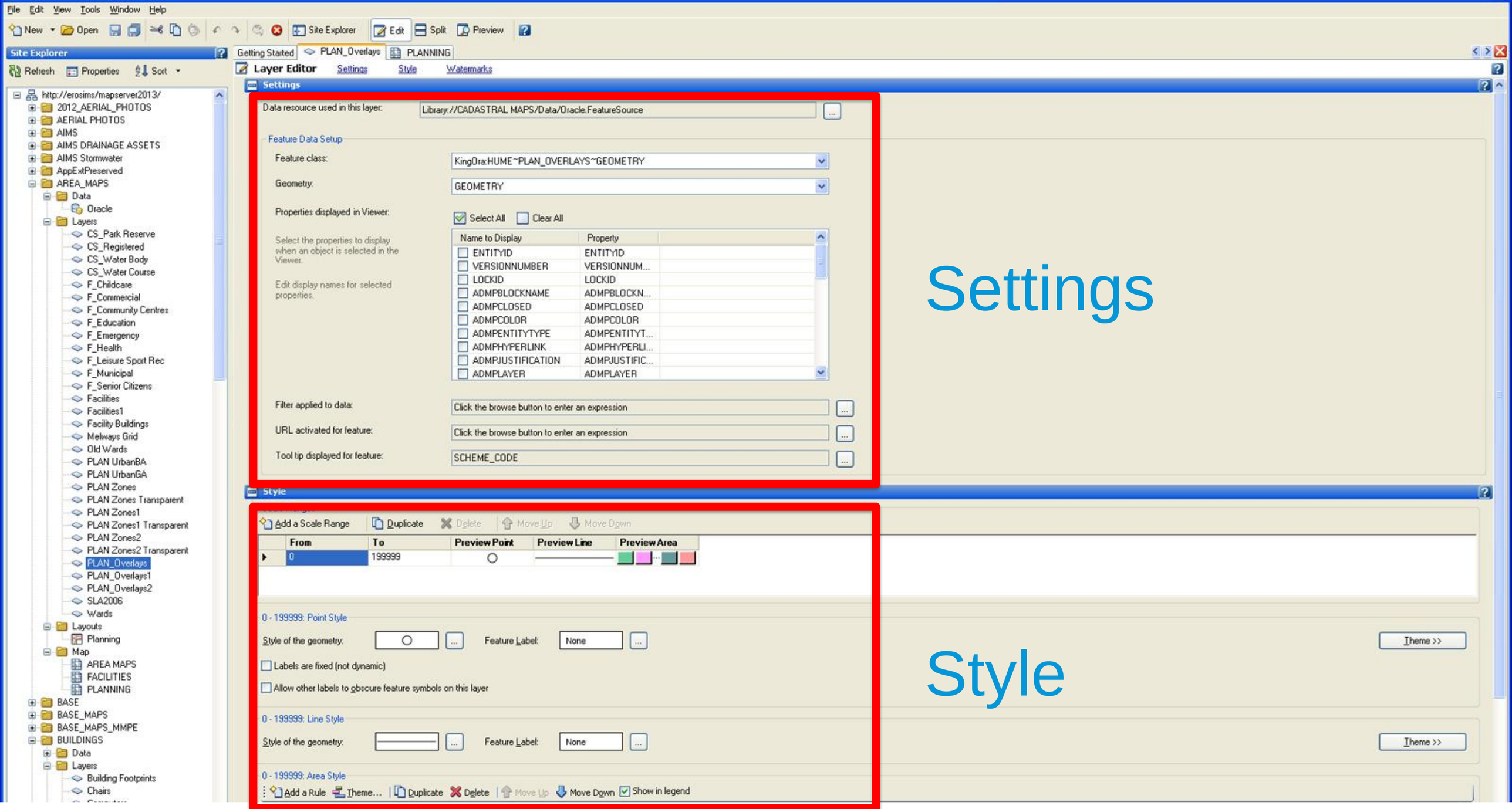
Update an enterprise industry model from a previous version of Infrastructure Map Server

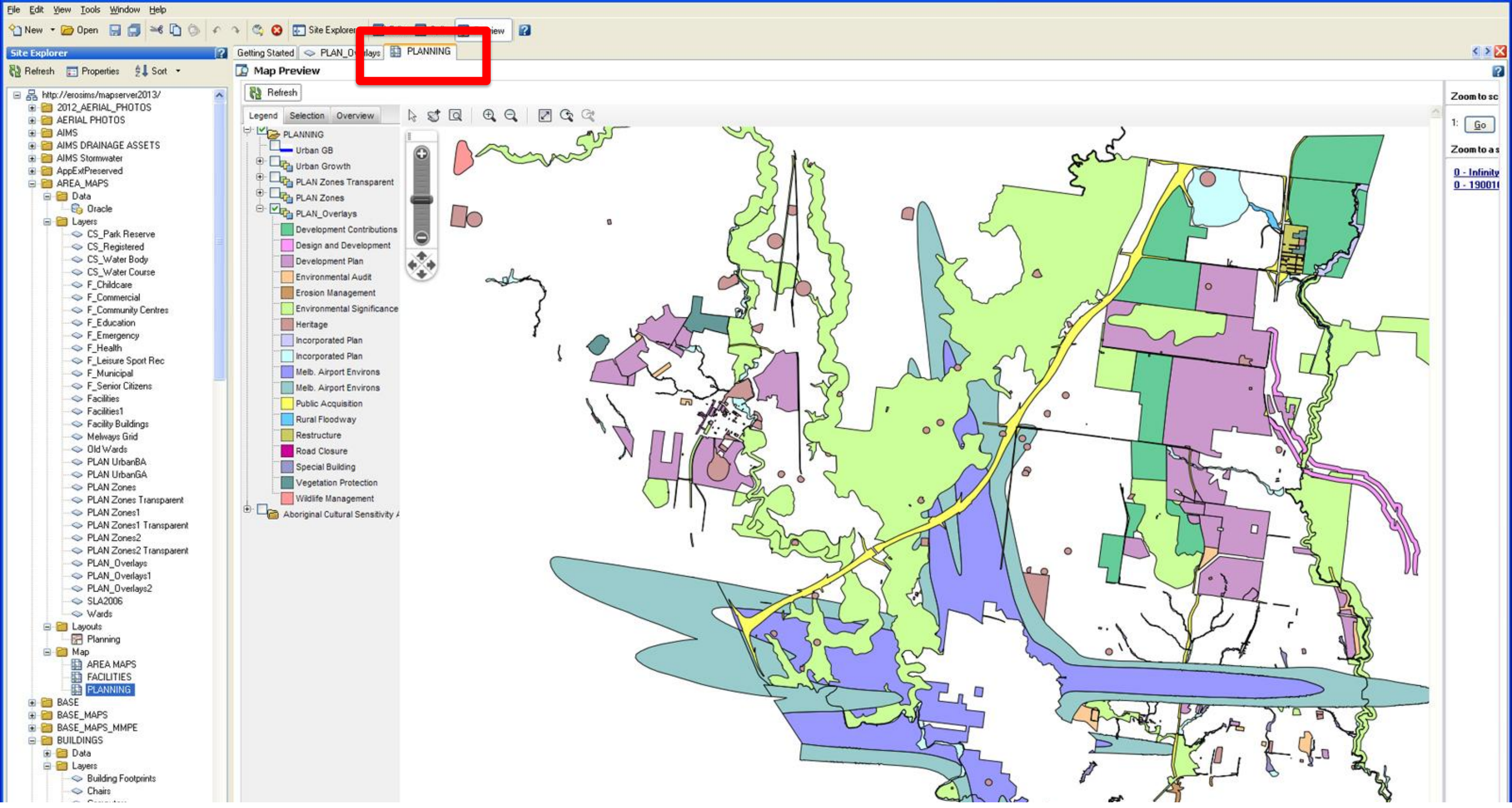
Set up Infrastructure Application Extension

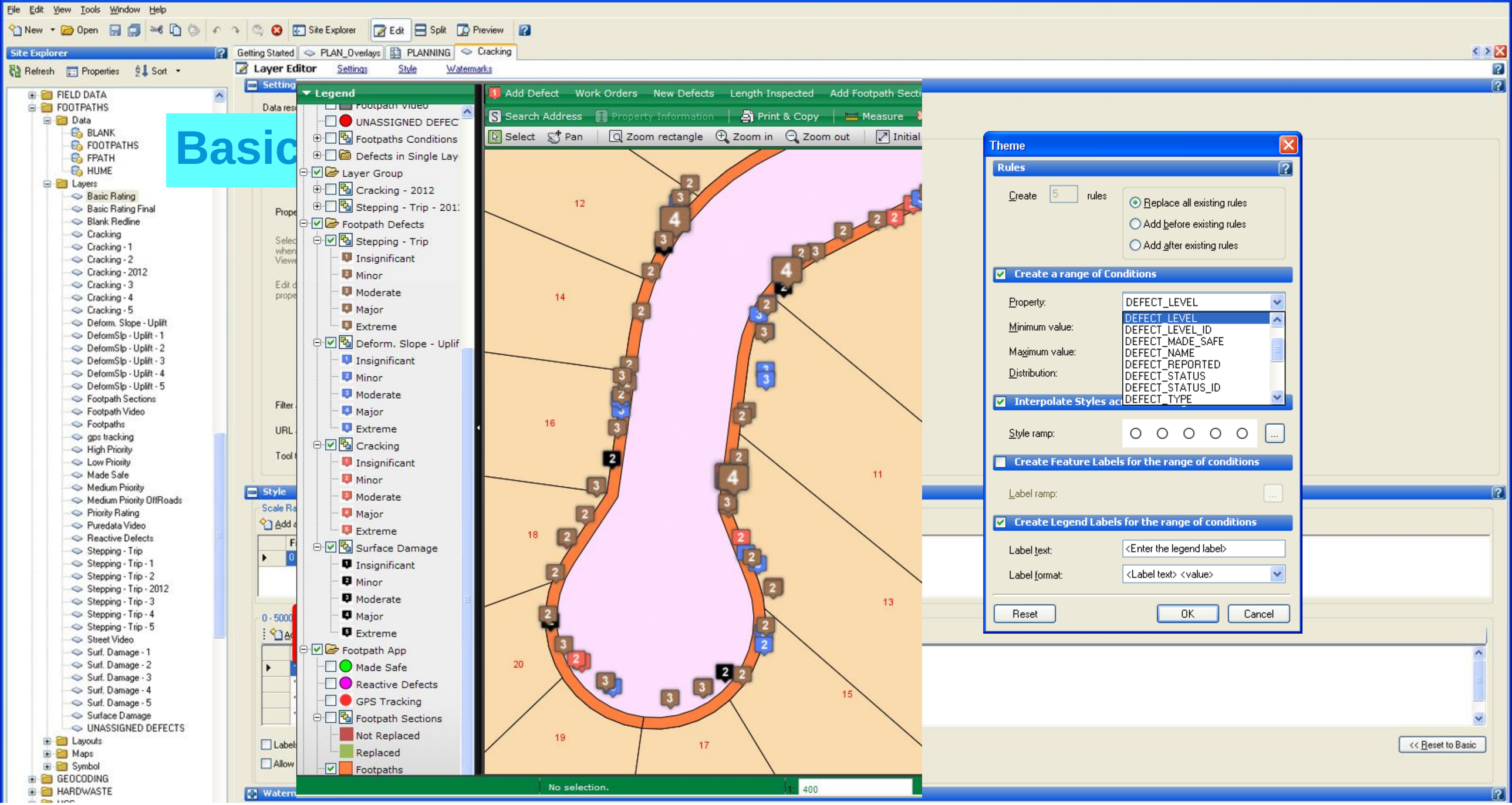
Please refer to supplementary handout for detailed instructions for Migrating Existing Oracle Data to AIMS TB Format using Autodesk Infrastructure Administrator – GS1452_Supplementary.docx

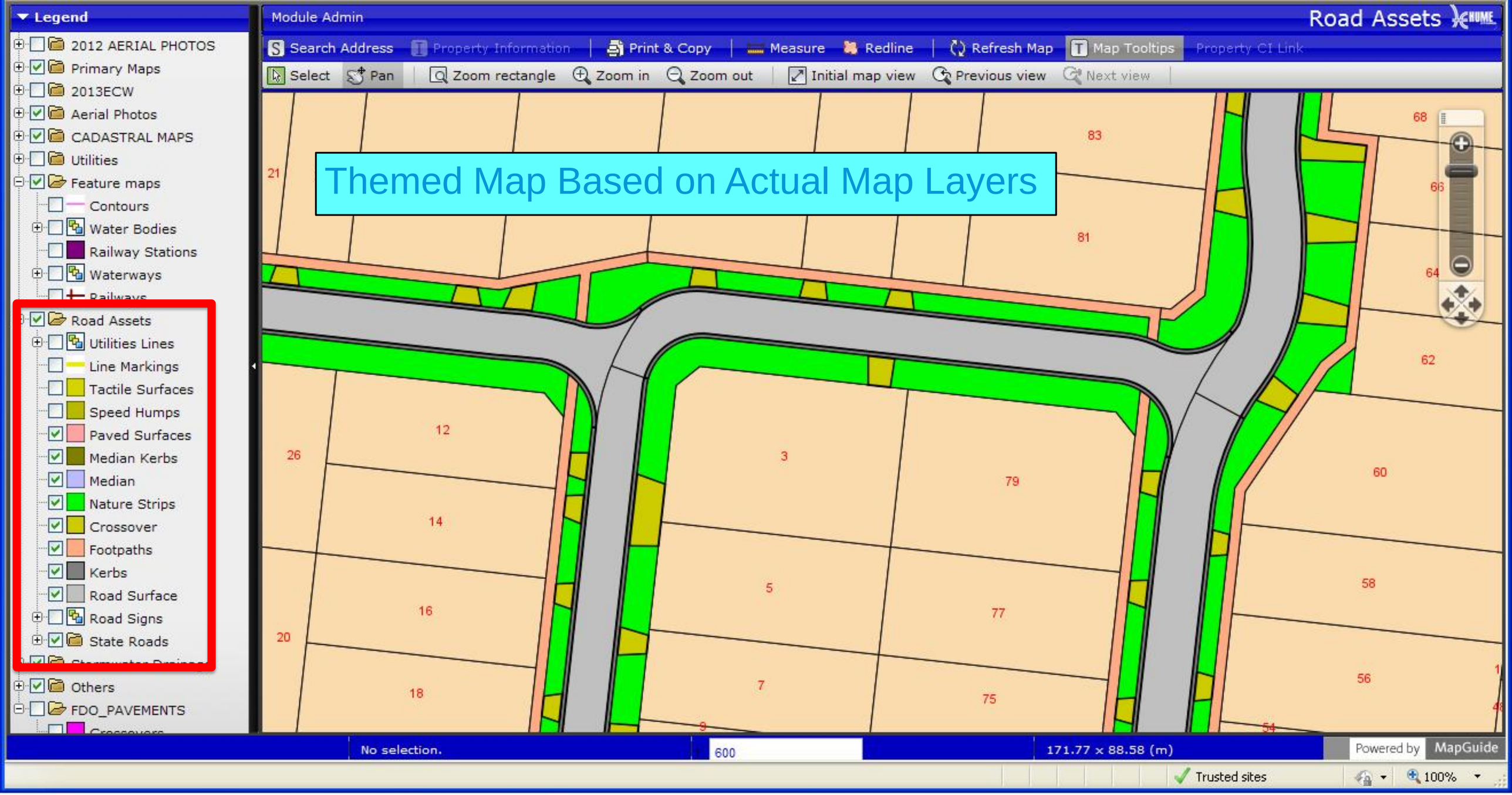
Autodesk Infrastructure Studio Data, Layers, Layouts and Maps and Themed Map Layers

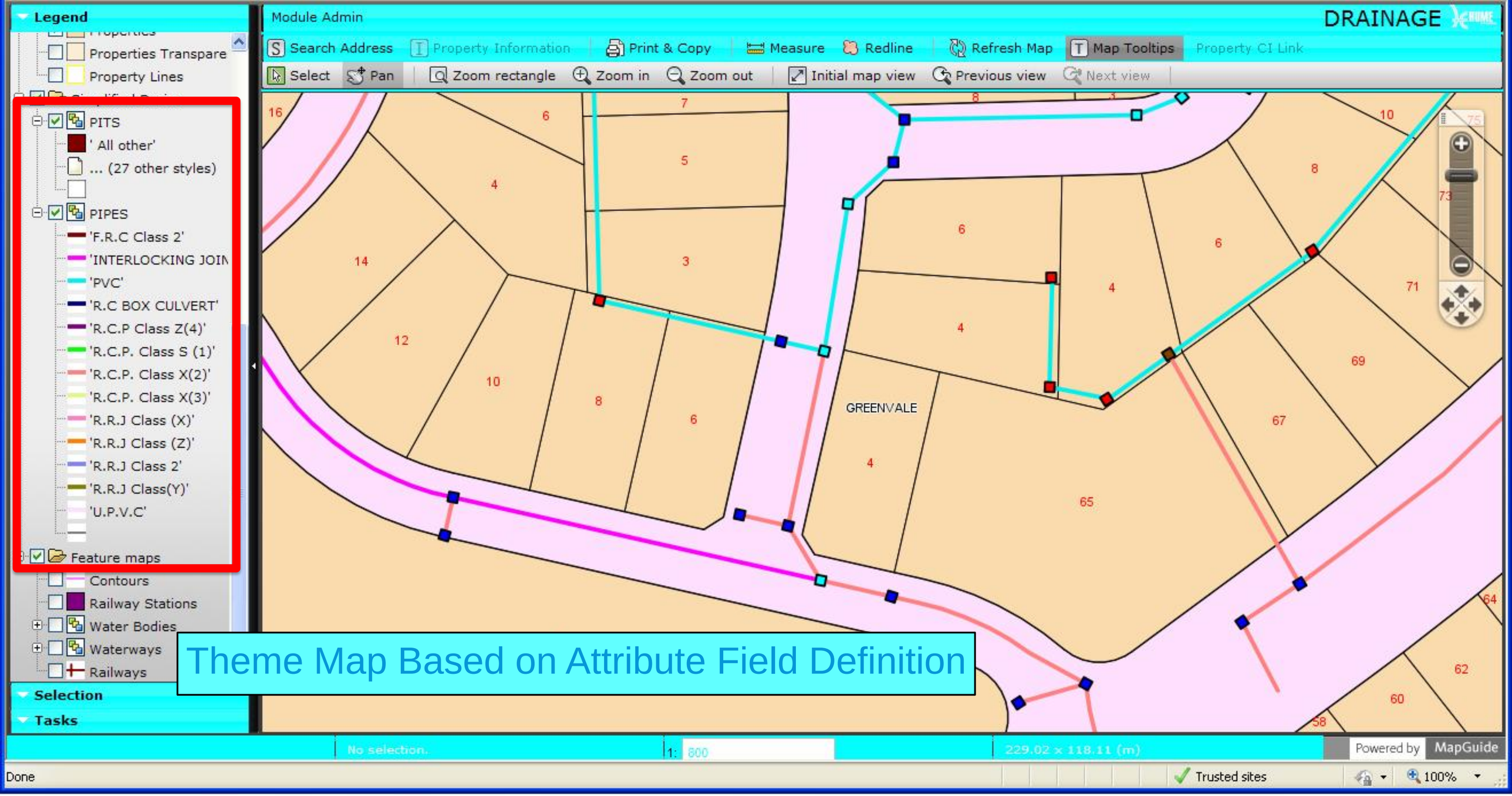

File Edit View Tools Window Help
New Open Site Explorer Edit Split Preview
Site Explorer
Refresh Properties Sort
Getting Started PLAN_Overlays PLANNING
http://erosims/mapserver2013/
2012_AERIAL_PHOTOS
AERIAL PHOTOS
AIMS
AIMS DRAINAGE ASSETS
AIMS Stormwater
AppExtPreserved
AREA_MAPS
Data
Oracle
Layers
CS_Park Reserve
CS_Registered
CS_Water Body
CS_Water Course
F_Childcare
F_Commercial
F_Community Centres
F_Education
F_Emergency
F_Health
F_Leisure Sport Rec
F_Municipal
F_Senior Citizens
Facilities
Facilities1
Facility Buildings
Melways Grid
Old Wards
PLAN UrbanBA
PLAN UrbanGA
PLAN Zones
PLAN Zones Transparent
PLAN Zones1
PLAN Zones1 Transparent
PLAN Zones2
PLAN Zones2 Transparent
PLAN_Overlays
PLAN_Overlays1
PLAN_Overlays2
SLA2006
Wards
Layouts
Planning
Map
AREA MAPS
FACILITIES
PLANNING
BASE
BASE_MAPS
BASE_MAPS_MMPE
BUILDINGS
Data
Layers
Building Footprints
Chairs
Data Library
Autodesk
Follow these steps to create a spatially enabled web application.
1
Data Connection
Load file-based data
Load geospatial files, such as SHP or SDF, to the Infrastructure Map Server Library. Save the load procedures to refresh the data.
Connect to external data
Configure connections to files such as SHP or SDF, databases such as Oracle, and web services such as WMS or WFS.
2 Build Layers
3
Map Layers
4 Place the Map on the Internet
Web Layout
Maps


File Edit View Tools Window Help
New Open Site Explorer Edit Split Preview
Site Explorer
Refresh Properties Sort
http://erosims/mapserver2013/
2012_AERIAL_PHOTOS
AERIAL PHOTOS
AIMS
AIMS DRAINAGE ASSETS
AIMS Stormwater
AppExtPreserved
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CS_Water Course
F_Childcare
F_Commercial
F_Community Centres
F_Education
F_Emergency
F_Health
F_Leisure Sport Rec
F_Municipal
F_Senior Citizens
Facilities
Facilities1
Facility Buildings
Melways Grid
Old Wards
PLAN UrbanBA
PLAN UrbanGA
PLAN Zones
PLAN Zones Transparent
PLAN Zones1
PLAN Zones1 Transparent
PLAN Zones2
PLAN Zones2 Transparent
PLAN_Overlays
PLAN_Overlays1
PLAN_Overlays2
SLA2006
Wards
Layouts
Planning
Map
AREA MAPS
FACILITIES
PLANNING
BASE
BASE_MAPS
BASE_MAPS_MMPE
BUILDINGS
Data
Layers
Building Footprints
Chairs
Getting Started
PLAN_Overlays
PLANNING
Layer Editor
Settings
Style
Watermarks
Settings
Data resource used in this layer:
Library://CADASTRAL MAPS/Data/Oracle FeatureSource
Feature Data Setup
Feature class:
KingOra:HUME~PLAN_OVERLAYS~GEOMETRY
Geometry:
GEOMETRY
Properties displayed in Viewer:
Select All
Clear All
Select the properties to display when an object is selected in the Viewer.
Edit display names for selected properties.
Name to Display
Property
ENTITYID
VERSIONNUMBER
LOCKID
ADMPBLOCKNAME
ADMPCLOSED
ADMPCOLOR
ADMPENTITYTYPE
ADMPHYPERLINK
ADMPJUSTIFICATION
ADMPLAYER
Filter applied to data:
Click the browse button to enter an expression
URL activated for feature:
Click the browse button to enter an expression
Tool tip displayed for feature:
SCHEME_CODE
Style
Add a Scale Range
Duplicate
Delete
Move Up
Move Down
From
To
Preview Point
Preview Line
Preview Area
0
199999
0 - 199999: Point Style
Style of the geometry:
Feature Label:
None
Theme >>
Labels are fixed (not dynamic)
Allow other labels to obscure feature symbols on this layer
0 - 199999: Line Style
Style of the geometry:
Feature Label:
None
Theme >>
0 - 199999: Area Style
Add a Rule
Theme...
Duplicate
Delete
Move Up
Move Down
Show in legend
Settings
Style

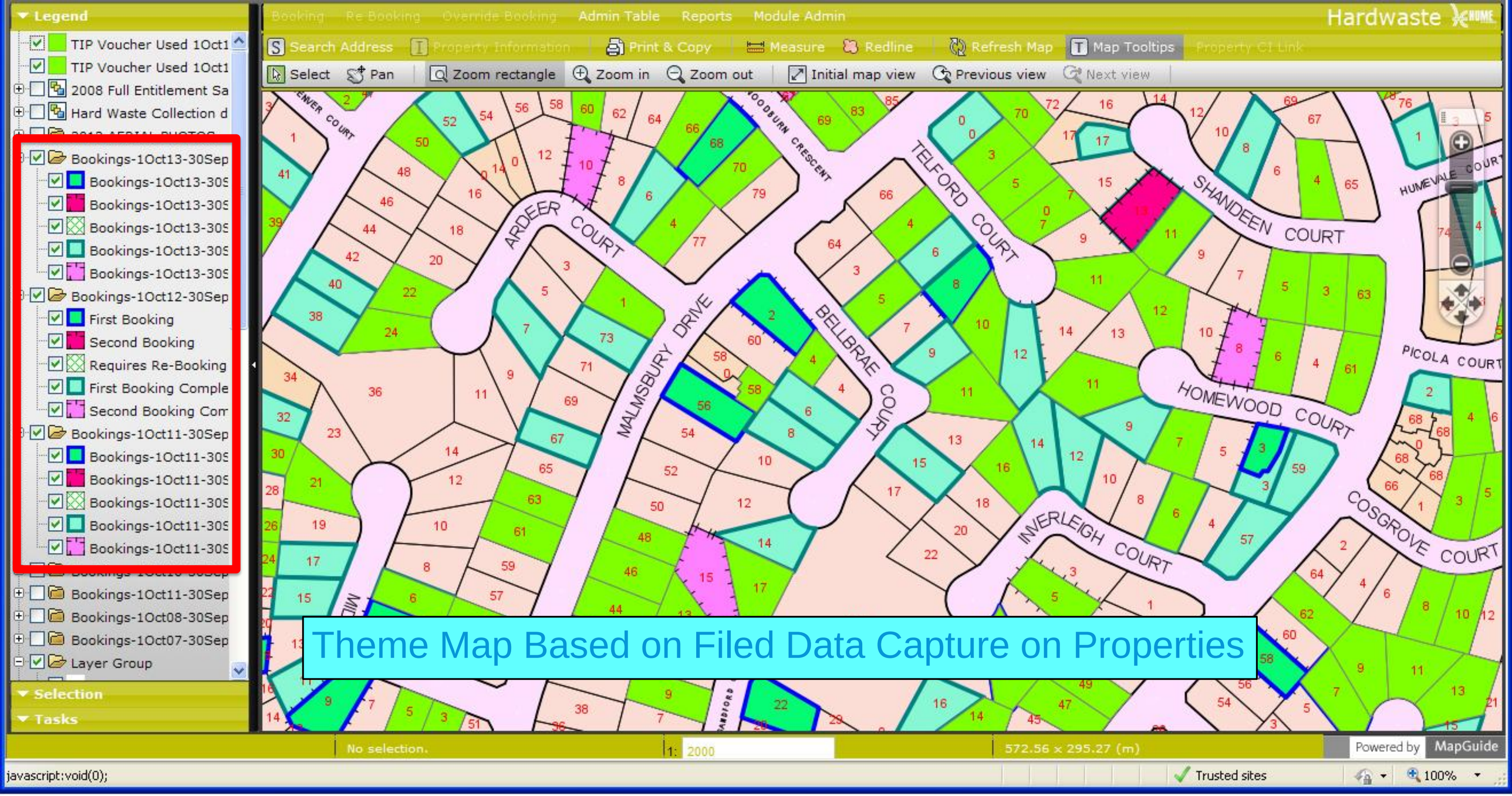

File Edit View Tools Window Help
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Site Explorer
Site Explorer
Refresh Properties Sort
http://erosims/mapserver2013/
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AERIAL PHOTOS
AIMS
AIMS DRAINAGE ASSETS
AIMS Stormwater
AppExtPreserved
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F_Community Centres
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F_Emergency
F_Health
F_Leisure Sport Rec
F_Municipal
F_Senior Citizens
Facilities
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PLAN UrbanGA
PLAN Zones
PLAN Zones Transparent
PLAN Zones1
PLAN Zones1 Transparent
PLAN Zones2
PLAN Zones2 Transparent
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PLAN_Overlays1
PLAN_Overlays2
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PLAN_Overlays
Development Contributions
Design and Development
Development Plan
Environmental Audit
Erosion Management
Environmental Significance
Heritage
Incorporated Plan
Incorporated Plan
Melb. Airport Environs
Melb. Airport Environs
Public Acquisition
Rural Floodway
Restructure
Road Closure
Special Building
Vegetation Protection
Wildlife Management
Aboriginal Cultural Sensitivity
Zoom to sc
1:
Go
Zoom to a s
0 - Infinity
0 - 190010

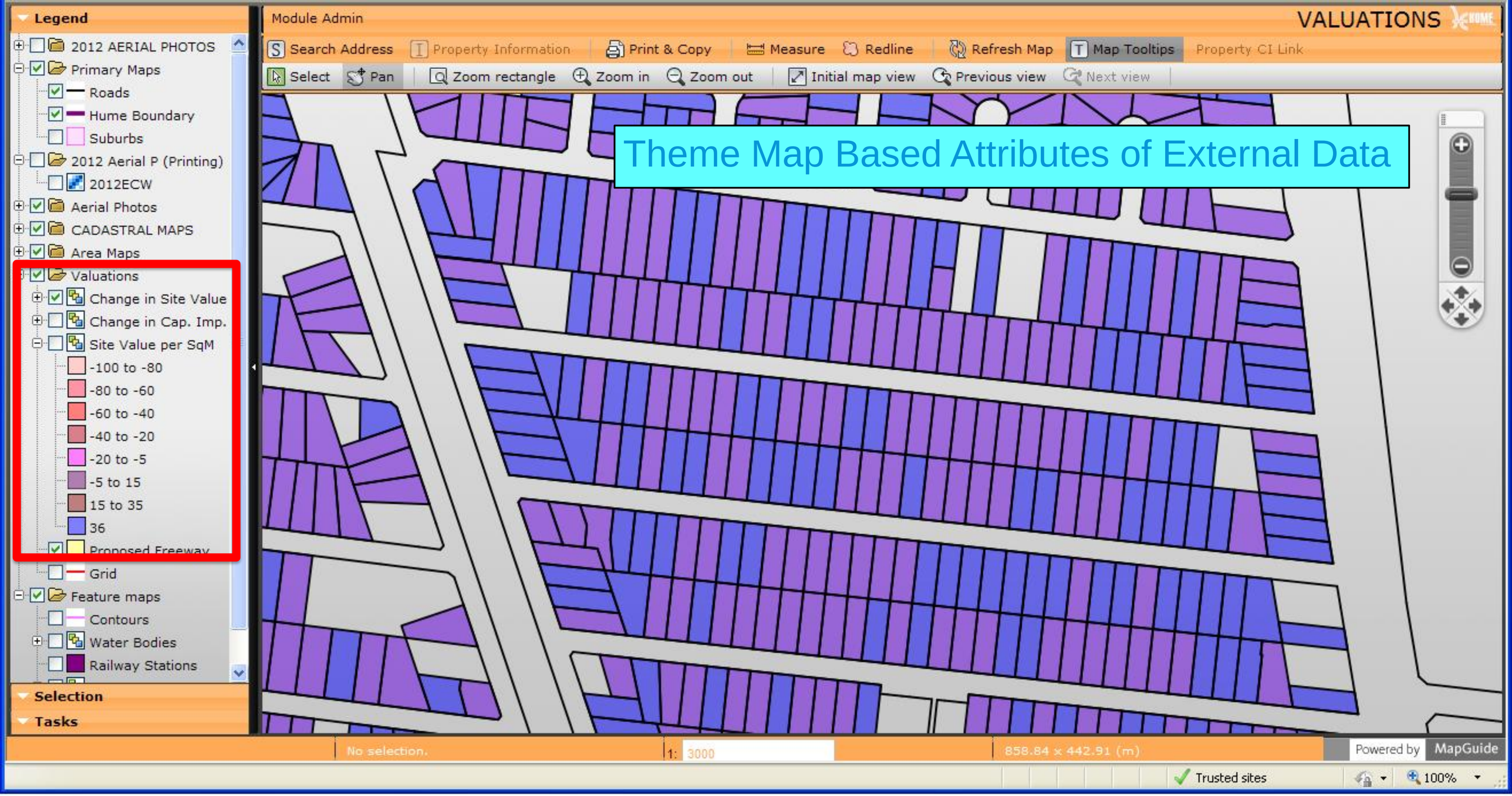

File Edit View Tools Window Help
New Open Site Explorer Edit Split Preview
Site Explorer
Refresh Properties Sort
Getting Started PLAN_Overlays PLANNING Cracking
Layer Editor Settings Style Watermarks
Basic
FIELD DATA
FOOTPATHS
Data
BLANK
FOOTPATHS
FPATH
HUME
Layers
Basic Rating
Basic Rating Final
Blank Redline
Cracking
Cracking - 1
Cracking - 2
Cracking - 2012
Cracking - 3
Cracking - 4
Cracking - 5
Deform. Slope - Uplift
DeformSlp - Uplift - 1
DeformSlp - Uplift - 2
DeformSlp - Uplift - 3
DeformSlp - Uplift - 4
DeformSlp - Uplift - 5
Footpath Sections
Footpath Video
Footpaths
gps tracking
High Priority
Low Priority
Made Safe
Medium Priority
Medium Priority OffRoads
Priority Rating
Puredata Video
Reactive Defects
Stepping - Trip
Stepping - Trip - 1
Stepping - Trip - 2
Stepping - Trip - 2012
Stepping - Trip - 3
Stepping - Trip - 4
Stepping - Trip - 5
Street Video
Surf. Damage - 1
Surf. Damage - 2
Surf. Damage - 3
Surf. Damage - 4
Surf. Damage - 5
Surface Damage
UNASSIGNED DEFECTS
Layouts
Maps
Symbol
GEOCODING
HARDWASTE
Legend
UNASSIGNED DEFEC
Footpaths Conditions
Defects in Single Lay
Layer Group
Cracking - 2012
Stepping - Trip - 201
Footpath Defects
Stepping - Trip
Insignificant
Minor
Moderate
Major
Extreme
Deform. Slope - Uplif
Cracking
Surface Damage
Footpath App
Made Safe
Reactive Defects
GPS Tracking
Footpath Sections
Not Replaced
Replaced
Footpaths
Add Defect Work Orders New Defects Length Inspected Add Footpath Secti
Search Address Property Information Print & Copy Measure
Select Pan Zoom rectangle Zoom in Zoom out Initial
No selection.
Theme
Rules
Create 5 rules
Replace all existing rules
Add before existing rules
Add after existing rules
Create a range of Conditions
Property: DEFECT_LEVEL
Minimum value:
Maximum value:
Distribution:
DEFECT_LEVEL
DEFECT_LEVEL_ID
DEFECT_MADE_SAFE
DEFECT_NAME
DEFECT_REPORTED
DEFECT_STATUS
DEFECT_STATUS_ID
DEFECT_TYPE
Interpolate Styles ac
Style ramp:
Create Feature Labels for the range of conditions
Label ramp:
Create Legend Labels for the range of conditions
Label text: <Enter the legend label>
Label format: <Label text> <value>
Reset
OK
Cancel
<< Reset to Basic


Legend
2012 AERIAL PHOTOS
Primary Maps
2013ECW
Aerial Photos
CADASTRAL MAPS
Utilities
Feature maps
Contours
Water Bodies
Railway Stations
Waterways
Road Assets
Utilities Lines
Line Markings
Tactile Surfaces
Speed Humps
Paved Surfaces
Median Kerbs
Median
Nature Strips
Crossover
Footpaths
Kerbs
Road Surface
Road Signs
State Roads
Others
FDO_PAVEMENTS
Module Admin
Road Assets
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Property CI Link
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
Themed Map Based on Actual Map Layers
No selection.
600
171.77 x 88.58 (m)
Powered by MapGuide
Trusted sites
100%

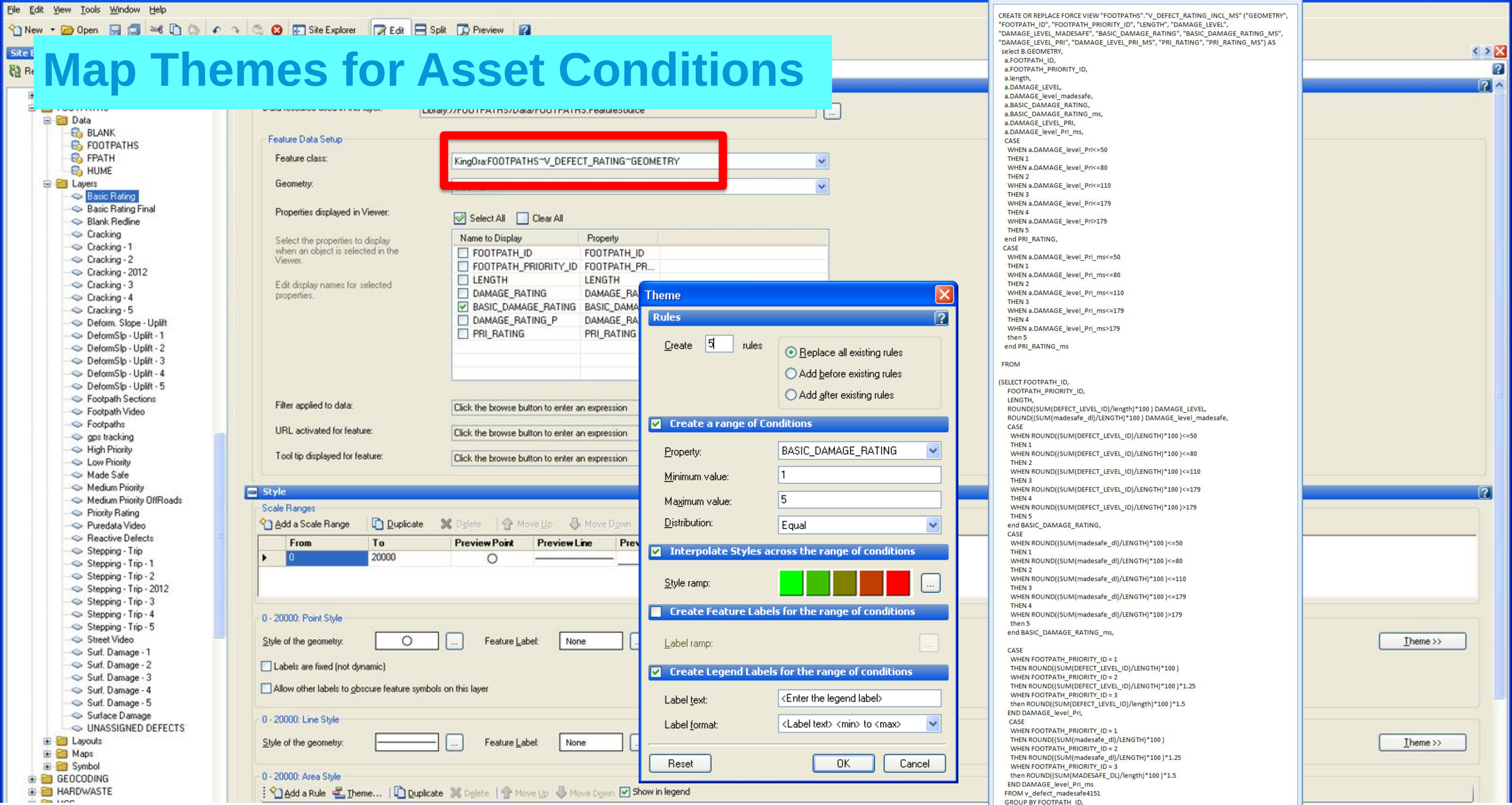


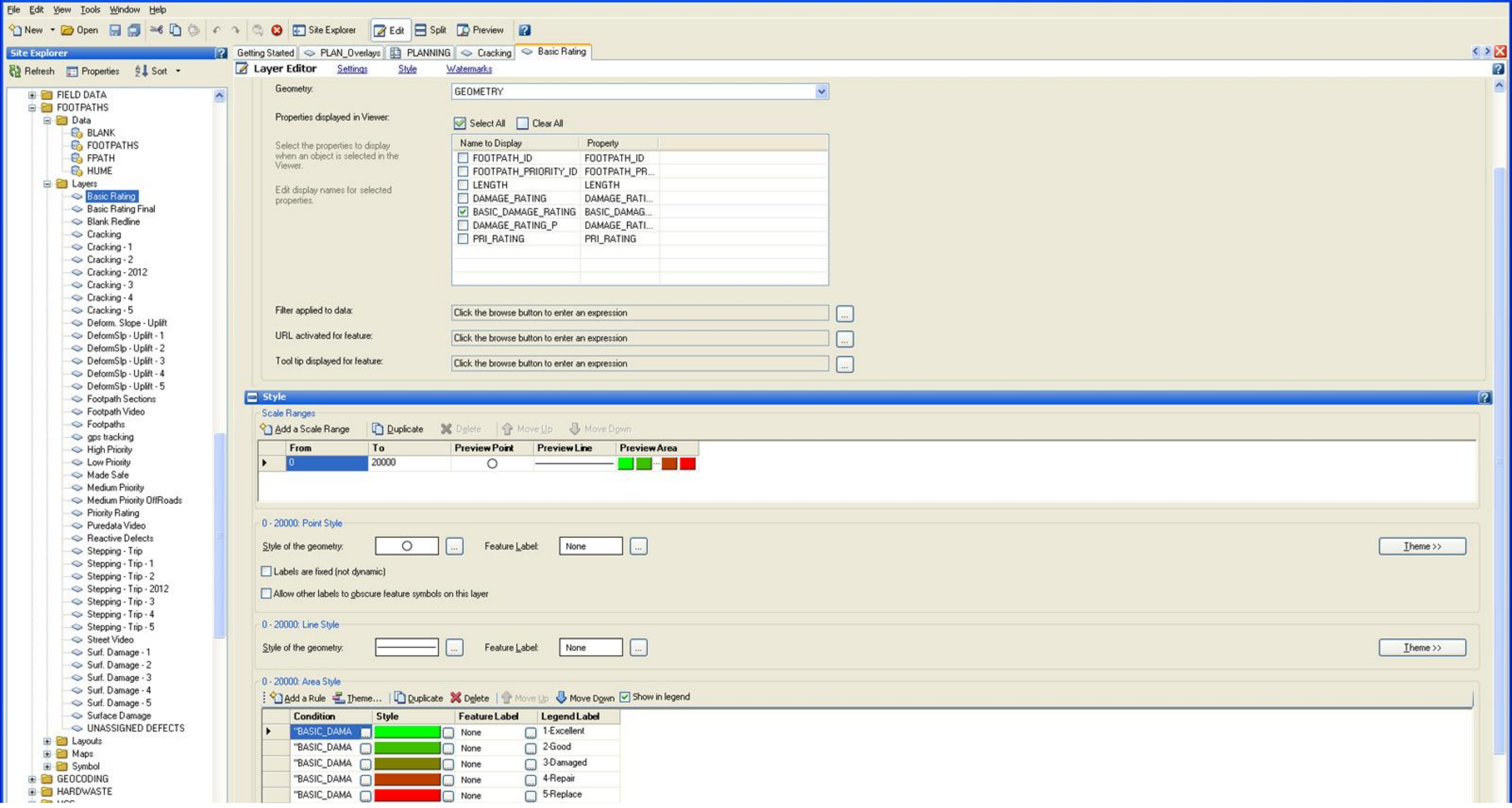
Theme Map Based on Attribute Field Definition

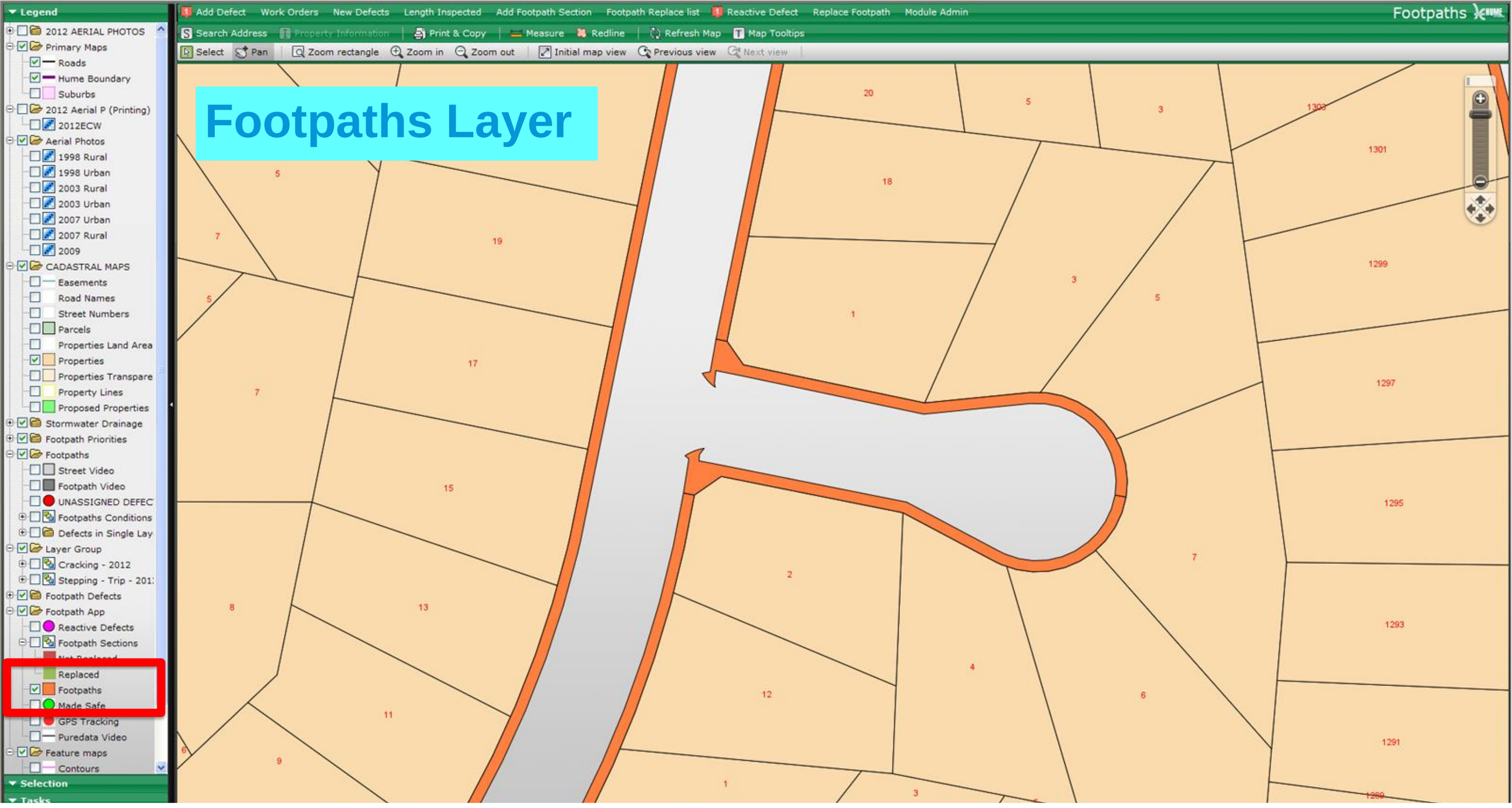

Legend
TIP Voucher Used 1Oct1
TIP Voucher Used 1Oct1
2008 Full Entitlement Sa
Hard Waste Collection d
Bookings-1Oct13-30Sep
Bookings-1Oct13-30S
Bookings-1Oct13-30S
Bookings-1Oct13-30S
Bookings-1Oct13-30S
Bookings-1Oct13-30S
Bookings-1Oct12-30Sep
First Booking
Second Booking
Requires Re-Booking
First Booking Comple
Second Booking Com
Bookings-1Oct11-30Sep
Bookings-1Oct11-30S
Bookings-1Oct11-30S
Bookings-1Oct11-30S
Bookings-1Oct11-30S
Bookings-1Oct11-30S
Bookings-1Oct11-30Sep
Bookings-1Oct08-30Sep
Bookings-1Oct07-30Sep
Layer Group
Selection
Tasks
Booking
Re-Booking
Override Booking
Admin Table
Reports
Module Admin
Hardwaste
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Property GI Link
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
ARDEER COURT
MALMSBURY DRIVE
BELLBRAE COURT
TELFORD COURT
SHANDEEN COURT
HOMEWOOD COURT
INVERLEIGH COURT
COSGROVE COURT
PICOLA COURT
HUMEVALE COURT
Theme Map Based on Filed Data Capture on Properties
No selection.
1: 2000
572.56 x 295.27 (m)
Powered by MapGuide
javascript:void(0);
Trusted sites
100%

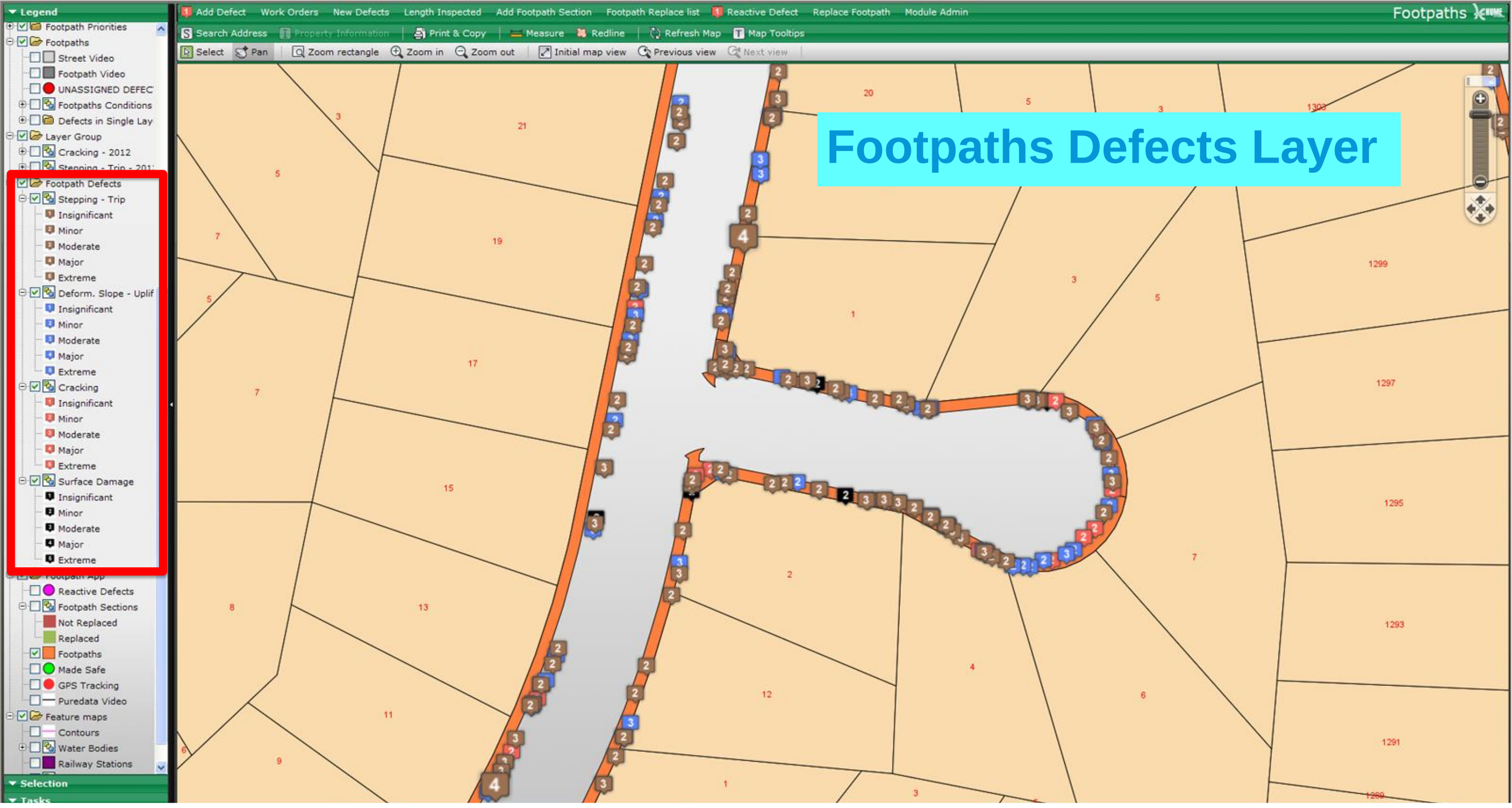

Legend
2012 AERIAL PHOTOS
Primary Maps
Roads
Hume Boundary
Suburbs
2012 Aerial P (Printing)
2012ECW
Aerial Photos
CADASTRAL MAPS
Area Maps
Valuations
Change in Site Value
Change in Cap. Imp.
Site Value per SqM
-100 to -80
-80 to -60
-60 to -40
-40 to -20
-20 to -5
-5 to 15
15 to 35
36
Proposed Freeway
Grid
Feature maps
Contours
Water Bodies
Railway Stations
Selection
Tasks
Module Admin
VALUATIONS
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Property CI Link
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
Theme Map Based Attributes of External Data
No selection.
1: 3000
858.84 x 442.91 (m)
Powered by MapGuide
Trusted sites
100%

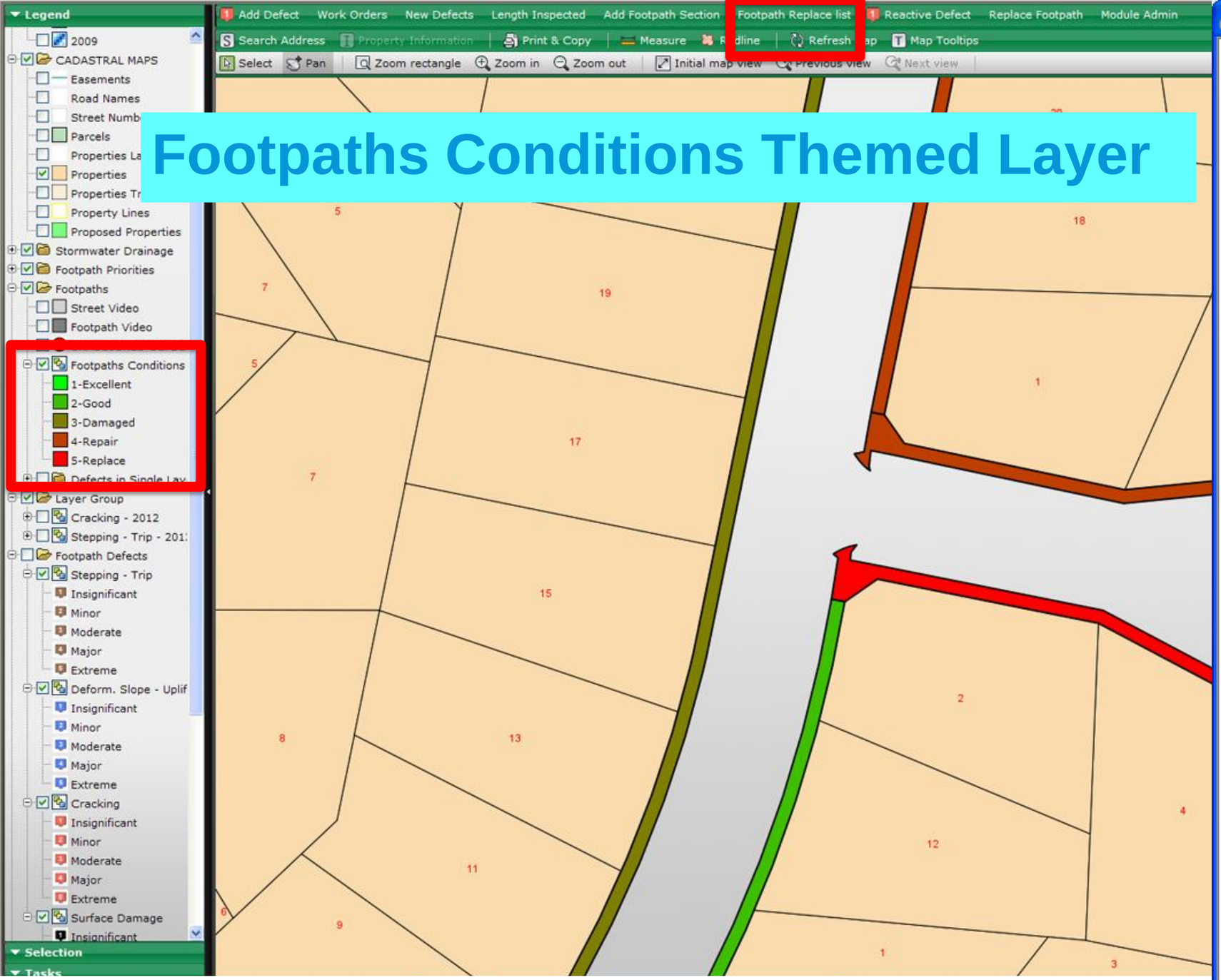
Map Themes for Asset Conditions




File Edit View Tools Window Help
New Open Site Explorer Edit Split Preview
Site Explorer
Refresh Properties Sort
FIELD DATA
FOOTPATHS
Data
BLANK
FOOTPATHS
FPATH
HUME
Layers
Basic Rating
Basic Rating Final
Blank Redline
Cracking
Cracking - 1
Cracking - 2
Cracking - 2012
Cracking - 3
Cracking - 4
Cracking - 5
Deform. Slope - Uplift
DeformSlp - Uplift - 1
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Footpath Sections
Footpath Video
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gps tracking
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Low Priority
Made Safe
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Medium Priority OffRoads
Priority Rating
Puredata Video
Reactive Defects
Stepping - Trip
Stepping - Trip - 1
Stepping - Trip - 2
Stepping - Trip - 2012
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Street Video
Surf. Damage - 1
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Surf. Damage - 3
Surf. Damage - 4
Surf. Damage - 5
Surface Damage
UNASSIGNED DEFECTS
Layouts
Maps
Symbol
GEOCODING
HARDWASTE
Getting Started
PLAN_Overlays
PLANNING
Cracking
Basic Rating
Layer Editor
Settings
Style
Watermarks
Geometry:
GEOMETRY
Properties displayed in Viewer:
Select All
Clear All
Select the properties to display when an object is selected in the Viewer.
Edit display names for selected properties.
Name to Display
Property
FOOTPATH_ID
FOOTPATH_PRIORITY_ID
LENGTH
DAMAGE_RATING
BASIC_DAMAGE_RATING
DAMAGE_RATING_P
PRI_RATING
Filter applied to data:
Click the browse button to enter an expression
URL activated for feature:
Click the browse button to enter an expression
Tool tip displayed for feature:
Click the browse button to enter an expression
Style
Scale Ranges
Add a Scale Range
Duplicate
Delete
Move Up
Move Down
From
To
Preview Point
Preview Line
Preview Area
0
20000
0 - 20000: Point Style
Style of the geometry:
Feature Label:
None
Theme >>
Labels are fixed (not dynamic)
Allow other labels to obscure feature symbols on this layer
0 - 20000: Line Style
Style of the geometry:
Feature Label:
None
Theme >>
0 - 20000: Area Style
Add a Rule
Theme...
Duplicate
Delete
Move Up
Move Down
Show in legend
Condition
Style
Feature Label
Legend Label
"BASIC_DAMA
None
1-Excellent
"BASIC_DAMA
None
2-Good
"BASIC_DAMA
None
3-Damaged
"BASIC_DAMA
None
4-Repair
"BASIC_DAMA
None
5-Replace


Legend
2012 AERIAL PHOTOS
Primary Maps
Roads
Hume Boundary
Suburbs
2012 Aerial P (Printing)
2012ECW
Aerial Photos
1998 Rural
1998 Urban
2003 Rural
2003 Urban
2007 Urban
2007 Rural
2009
CADASTRAL MAPS
Easements
Road Names
Street Numbers
Parcels
Properties Land Area
Properties
Properties Transpare
Property Lines
Proposed Properties
Stormwater Drainage
Footpath Priorities
Footpaths
Street Video
Footpath Video
UNASSIGNED DEFEC
Footpaths Conditions
Defects in Single Lay
Layer Group
Cracking - 2012
Stepping - Trip - 201
Footpath Defects
Footpath App
Reactive Defects
Footpath Sections
Replaced
Footpaths
Made Safe
GPS Tracking
Puredata Video
Feature maps
Contours
Selection
Tasks
Add Defect
Work Orders
New Defects
Length Inspected
Add Footpath Section
Footpath Replace list
Reactive Defect
Replace Footpath
Module Admin
Footpaths
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
Footpaths Layer


Legend
Footpath Priorities
Footpaths
Street Video
Footpath Video
UNASSIGNED DEFEC
Footpaths Conditions
Defects in Single Lay
Layer Group
Cracking - 2012
Footpath Defects
Stepping - Trip
Insignificant
Minor
Moderate
Major
Extreme
Deform. Slope - Uplif
Insignificant
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Moderate
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Cracking
Insignificant
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Surface Damage
Insignificant
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Footpath Sections
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Replaced
Footpaths
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Railway Stations
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Reactive Defect
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Measure
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Select
Pan
Zoom rectangle
Zoom in
Zoom out
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Previous view
Next view
Footpaths Defects Layer



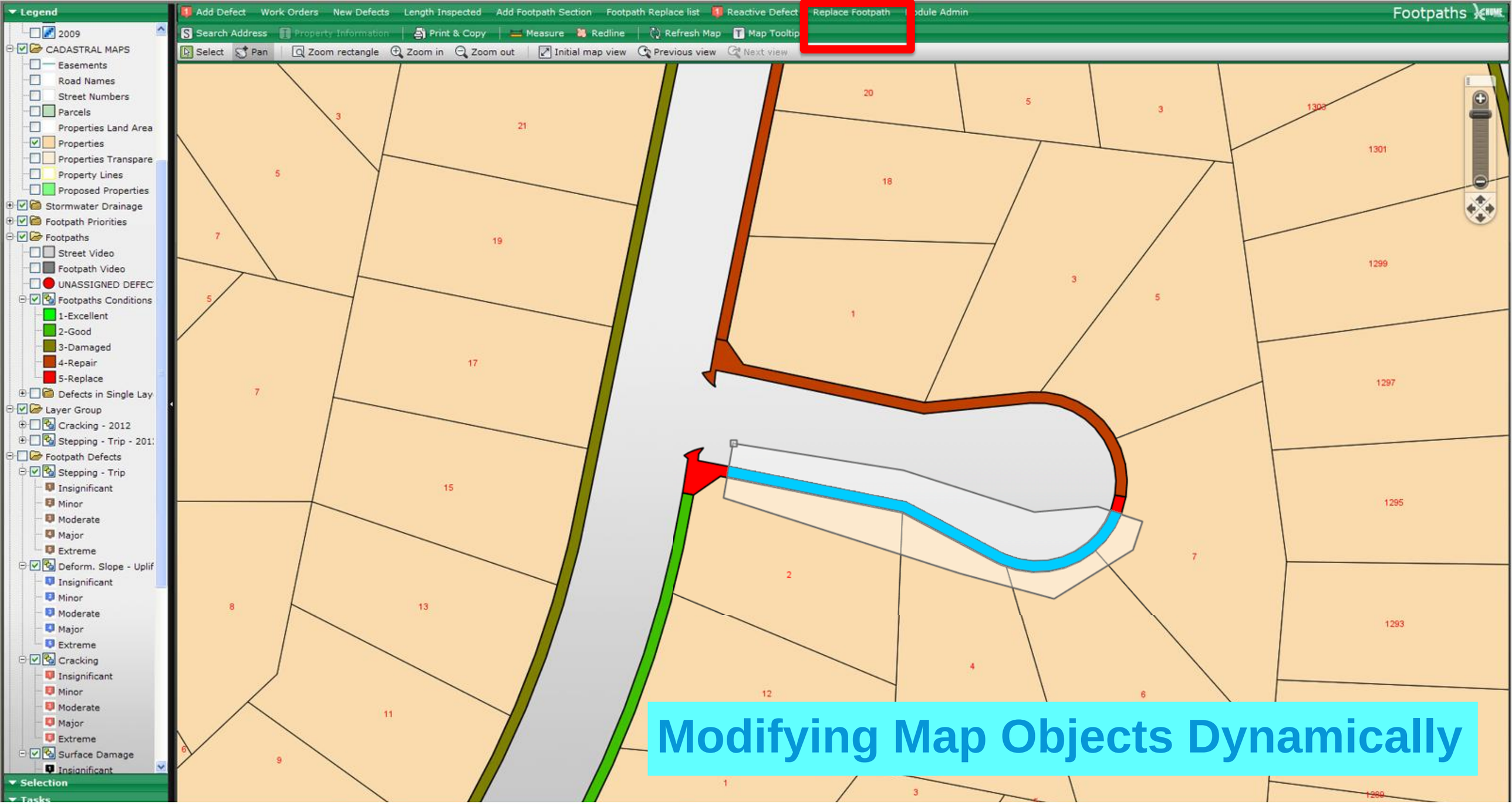
Footpaths Conditions Themed Layer

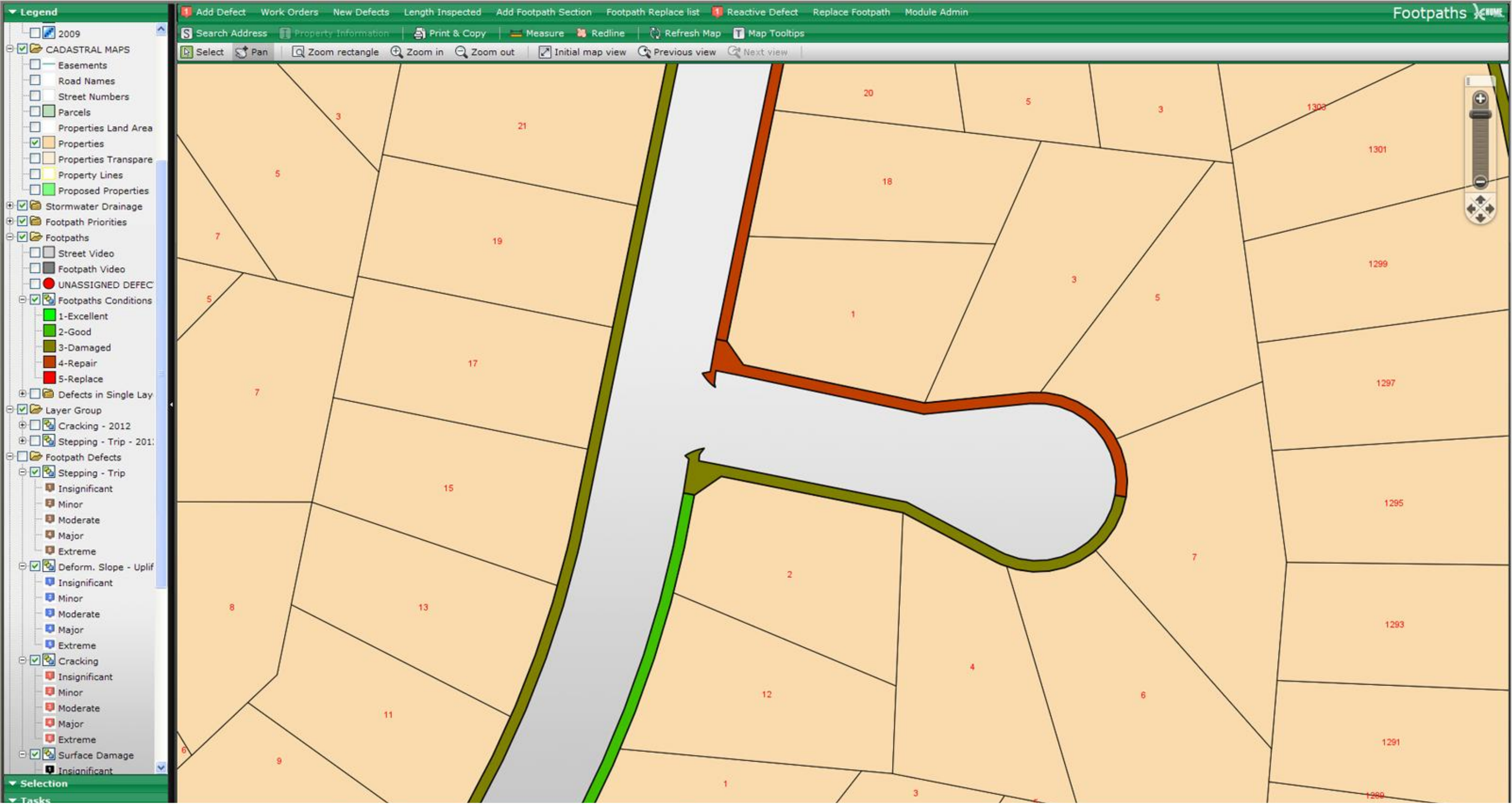
Footpaths to be replaced - Microsoft Internet Explorer provided...

Footpaths to be replaced

FOOTPATH ##	ROAD NAME	SUBURB
6265	ASCOT COURT	BROADMEADOWS
6358	CANNI COURT	BROADMEADOWS
7832	DORCHESTER STREET	CRAIGIEBURN
8482	WINSHAM COURT	CRAIGIEBURN
11052	TIFFANY CRESCENT	ROXBURGH PARK
11658	FIRESTONE COURT	SUNBURY
11980	LOUIS WAY	SUNBURY
11984	MAGDALENE COURT	SUNBURY
11985	MAGDALENE COURT	SUNBURY
12687	JANUS STREET	TULLAMARINE
16540	EDGEWOOD ROAD	ROXBURGH PARK
18751	KLEIN CRESCENT	ROXBURGH PARK
26189	DARLING COURT	SUNBURY
6624	KATANDRA CRESCENT	BROADMEADOWS
6867	TAWONGA STREET	BROADMEADOWS
6847	STEVENSON STREET	BROADMEADOWS
7670	BRISTOL MEWS	CRAIGIEBURN
7355	FLYNN CRESCENT	COOLAROO
10141	ROKEWOOD CRESCENT	MEADOW HEIGHTS
11656	FIRESTONE COURT	SUNBURY
12349	SORBONNE DRIVE	SUNBURY
13199	CIMBERWOOD DRIVE	CRAIGIEBURN
14075	BOYDEN SQUARE	ROXBURGH PARK
15318	VENTNOR CRESCENT	COOLAROO
15320	KIATA COURT	COOLAROO
14951	LUGO COURT	TULLAMARINE
15982	MARTHA COURT	CRAIGIEBURN
18206	CORNELL CLOSE	BROADMEADOWS
6324	GIRGARRE STREET	BROADMEADOWS
6691	MAVIS COURT	BROADMEADOWS
7738	CIMBERWOOD DRIVE	CRAIGIEBURN
8410	HOTHLYN DRIVE	CRAIGIEBURN
10382	COLCHESTER CIRCUIT	ROXBURGH PARK
11672	FLINDERS STREET	SUNBURY
11687	FORSTER COURT	SUNBURY
11354	BROOK STREET	SUNBURY
12744	MICKLEHAM ROAD	TULLAMARINE

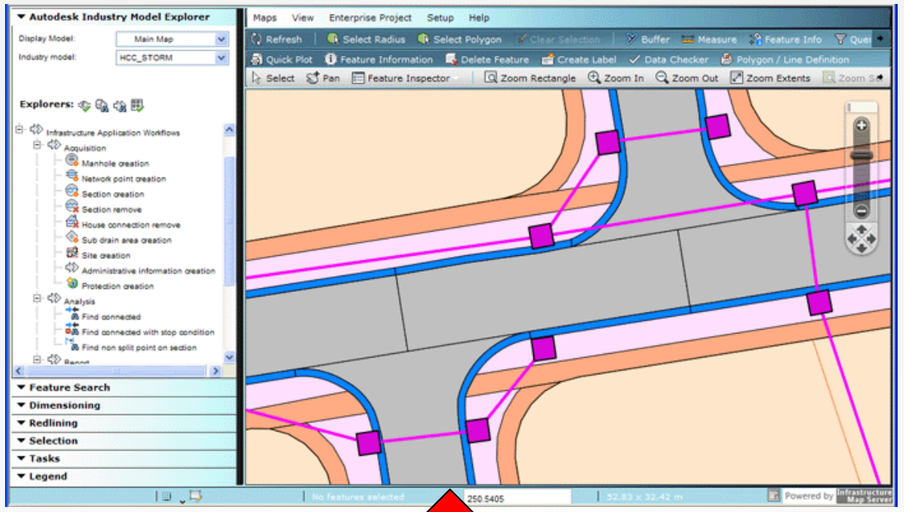
Done | Trusted sites | 100%


Legend
2009
CADASTRAL MAPS
Easements
Road Names
Street Numbers
Parcels
Properties Land Area
Properties
Properties Transpare
Property Lines
Proposed Properties
Stormwater Drainage
Footpath Priorities
Footpaths
Street Video
Footpath Video
UNASSIGNED DEFEC
Footpaths Conditions
1-Excellent
2-Good
3-Damaged
4-Repair
5-Replace
Defects in Single Lay
Layer Group
Cracking - 2012
Stepping - Trip - 201
Footpath Defects
Stepping - Trip
Insignificant
Minor
Moderate
Major
Extreme
Deform. Slope - Uplif
Insignificant
Minor
Moderate
Major
Extreme
Cracking
Insignificant
Minor
Moderate
Major
Extreme
Surface Damage
Insignificant
Selection
Tasks
Add Defect
Work Orders
New Defects
Length Inspected
Add Footpath Section
Footpath Replace list
Reactive Defect
Replace Footpath
odule Admin
Footpaths
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltip
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view
Modifying Map Objects Dynamically


Legend
2009
CADASTRAL MAPS
Easements
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Reactive Defect
Replace Footpath
Module Admin
Footpaths
Search Address
Property Information
Print & Copy
Measure
Redline
Refresh Map
Map Tooltips
Select
Pan
Zoom rectangle
Zoom in
Zoom out
Initial map view
Previous view
Next view

Full Operation & Management View

AIMS Map Viewer for all Staff



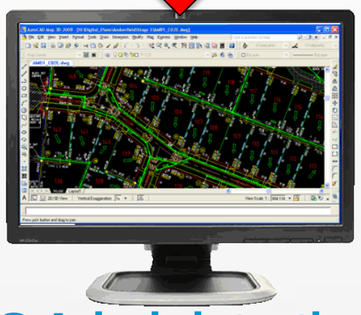


Field & Remote Users

ORACLE

AIMS

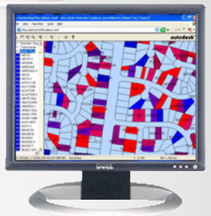
Primary Users



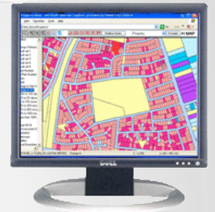
GIS Administration



Module Custodians



Power Users



Finance



Services



Capital Works



Asset Management



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