

# Routes

How should you configure  
Maximo?



# Clark County Water Reclamation District

- Using version 7.6
- Plan to upgrade to MAS later this year/early next year
- If you know something different please speak up (any changes in MAS?)



## What is a route?

- Way to organize your work
- Repeat the same tasks on multiple assets or locations
- Can be used with PM's
- Can be used for Inspections
- Can be used directly from a work order
- Different options give you a great deal of flexibility depending on needs

## Key Fields

- Route Stops Inherit Status Changes
  - Field is updated on the work order
- When this Route is applied to a Work Order...
- Can specify an asset or a location (and mixture)
- Can specify a different job plan
- Total work units

## Pop Quiz Hotshot, what do you do?

- Who uses routes
- Which option do you use/why
- Do you use a mixture
- Do you use the inherit status changes
- Ever use a route when creating a work order/what is the case

## Child Work Orders, Route Setup

- One work order for the parent
- One work order for each route stop - children
- Can specify an asset or a location
- Can specify a different job plan
- Can change the name for the Work Order Description

# Child Work Orders, Setup on route

Route: 1668 Example of Route using Child Work Orders

Site: CCW

[Attachments](#)

Route Stops Inherit Status Changes?

- When this Route is applied to a Work Order, the Route Stops will become:
- Child Work Orders
  - Entries in the Work Order's Multi Asset, Location and CI Table
  - Work Order Tasks

Sequence	Location	Asset	Asset/Location Description	Job Plan	Inspection Form	Name
>	>	6096	AIR HANDLER, AIR HANDLER, SEC PUM	>	>	
>	>	6099	AIR HANDLER, AIR HANDLER, SEC PUM	>	>	
>	A-010-B-030-I-250	>	LV, FWRC, SECONDARY TREATMENT, SE	JP2195	>	>

# Child Work Orders, what the WO shows

[← List View](#)
[Work Order](#)
[Plans](#)
[Actuals](#)
[Log](#)
[Failure Reporting](#)
[Specifications](#)
[Related Records](#)
[Assignments](#)
[Safety Plan](#)
[Service Address](#)
[Map](#)

Work Order: T26-1068 + Example of parent/child using routes Site: CCWRD Status: WAPPR

Parent WO: \_\_\_\_\_ >

Children of Work Order T26-1068 Filter > 🔍 ⌵ ⬆️ ⬅️ 1 - 3 of 3 ➡️

Sequence	Work Order	Summary	Location	Asset	Status
>	T26-1071	Service Air Compressor_A_Main Lab	A-010-B-030-I-250		WAPPR
>	T26-1070	Unit A1	A-010-B-030-I-250	6099	WAPPR
>	T26-1069	6096 AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-2, STRUCT	A-010-B-030-I-250	6096	WAPPR

Tasks for Work Order T26-1068 Filter > 🔍 ⌵ ⬆️ ⬅️ 1 - 4 of 4 ➡️

# Child Work Orders, where did Unit A1 come from?

Filter > 1 - 3 of 3

Record Class	Summary	Location
WORKORDER	Unit A1	A-010-B-030-I-250
WORKORDER	Service Air Compressor_A_Main Lab	A-010-B-030-I-250
WORKORDER	6096 AIR HANDLER, AIR HANDLER, SE	A-010-B-030-I-250

Route Stops Filter > 1 - 3 of 3

Sequence	Location	Asset	Asset/Location Desc
>	>	6096	> AIR HANDLER, AIR
▼	>	6099	> AIR HANDLER, AIR
>	A-010-B-030-I-250	>	> LV, FWRC, SECONDA

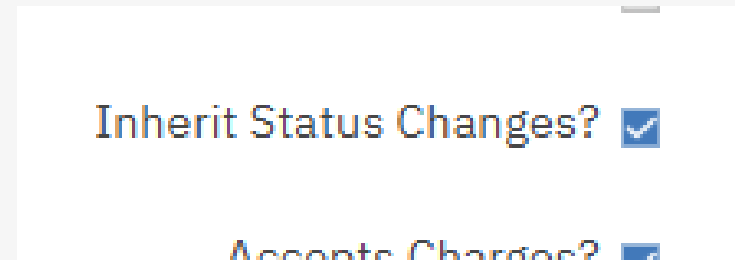
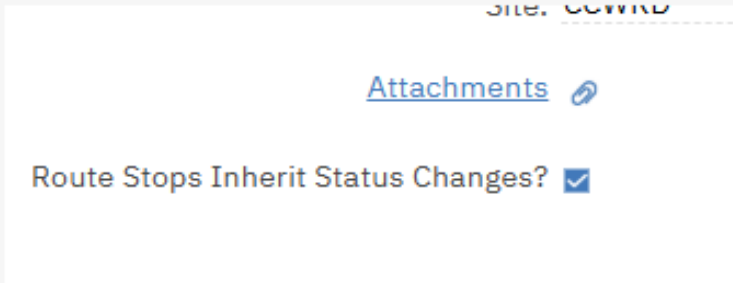
Details

Description: Unit A1

Location: > AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-2, STRUCTI

Asset: 6099 >

# Child Work Orders, Inherit Status Changes?



# Child Work Orders, Inherit Status Changes unchecked

Work Order: T26-1042 [Example with Route but unchecked inherit status changes](#) Site: CCWRD **Status: COMP**

Parent WO: \_\_\_\_\_ >

Children of Work Order T26-1042 [Filter](#) > 1 - 2 of 2 >

Sequence	Work Order	Summary	Location	Asset	Status
>	T26-1044	> 6099 AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-2, STRUCTL	A-010-B-030-I-250	6099	WAPPR
>	T26-1043	> 6096 AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-2, STRUCT	A-010-B-030-I-250	6096	WAPPR

[Select Work Orders](#) [New Row](#)

Tasks for Work Order T26-1042 [Filter](#) > 0 - 0 of 0 >

# Child Work Orders, Inherit Status Changes checked

Work Order: T26-1035

Example of Route using parent/child

Site: CCWRD

Status: COMP

Parent WO: >

Children of Work Order T26-1035 Filter > 1 - 2 of 2

Sequence	Work Order	Summary	Location	Asset	Status
>	T26-1037	6099 AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-2, STRUCTL	A-010-B-030-I-250	6099	COMP
>	T26-1036	6096 AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-2, STRUCT	A-010-B-030-I-250	6096	COMP

Select Work Orders

New Row

# Child Work Orders, Different Job Plan

▼ T26-1055 ⓘ > Unit A1  
> T26-1056 ⓘ > Service Air Compressor\_A\_Ma

Child Information

Sequence: \_\_\_\_\_  
Work Order: T26-1055 ⓘ > Unit A1  
Location: A-010-B-030-I-250 > LV, FWRC, SECONDA  
Asset: 6099 ⓘ > AIR HANDLER, AIR HANDLER, SEC I  
**Job Plan: JP1637 > CHEMICAL ADDITION HVAC SYS LV.**  
Service Group: \_\_\_\_\_  
Service: \_\_\_\_\_

Sequence	Work Order	Summary
▼ _____	T26-1054 ⓘ >	6096 AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-
>	T26-1055 ⓘ >	Unit A1
>	T26-1056 ⓘ >	Service Air Compressor_A_Main Lab

Child Information

Sequence: \_\_\_\_\_  
Work Order: T26-1056 ⓘ > Service Air Compressor\_A\_Main Lab  
Location: A-010-B-030-I-250 > LV, FWRC, SECONDARY TREATMENT, SECONDARI  
Asset: \_\_\_\_\_  
**Job Plan: JP2195 > Service Air Compressor\_A\_Main Lab**  
Service Group: \_\_\_\_\_  
Service: \_\_\_\_\_

# Child Work Orders, Different Job Plan

Tasks for Work Order T26-1055 [Filter](#) > 🔍 🗑️ ⬆️ ⬆️ ⬅️ 1 - 4 of 4 ➡️

Task	Summary
> 5	FOLLOW ALL DISTRICT SAFETY POLICIES
> 10	CONDENSOR WATER
> 20	HOT WATER
> 30	CHILL WATER

[New Row](#)

Tasks for Work Order T26-1056 [Filter](#) > 🔍 🗑️ ⬆️ ⬆️ ⬅️ 1 - 12 of 12 ➡️

Task	Summary	Te
> 0	DO NOT TURN OFF COMPRESSOR WITHOUT PERMISSION FROM	<input type="checkbox"/>
> 10	FOLLOW ALL DISTRICT SAFETY /PPE POLICIES	<input type="checkbox"/>
> 20	LOCK OUT TAG OUT EQUIPMENT BEING SERVICED	<input type="checkbox"/>
> 30	CHECK INDICATOR FOR CARTRIDGE REPLACEMENT ( FSD)	<input type="checkbox"/>
> 40	CHANGE ALL AIR FILTERS AND RESET ANY INDICATORS	<input type="checkbox"/>
> 50	CHANGE OIL, OIL FILTER - FILL TO PROPER LEVEL	<input type="checkbox"/>
> 60	CK COOLING (IF APPLY)	<input type="checkbox"/>
> 70	WIPE OUT SUMP AND CLEAN UP ENTIRE WORK AREA AND EQ	<input type="checkbox"/>
> 80	CHECK AND CHANGE BELTS AS NEEDED	<input type="checkbox"/>
> 90	START UNIT CHECK AIR, OIL PRESSURES AND LEVELS	<input type="checkbox"/>
> 100	PLACE UNIT BACK IN SERVICE NOTIFY END USER OF STAT	<input type="checkbox"/>
> 110	CREATE ANY FOLLOW-UP WORK ORDERS AS REQUIRED	<input type="checkbox"/>

[New Row](#)

# Child Work Orders, Enter Meter Readings

Work Order	Summary
T26-1036	6096 AIR HANDLER,
T26-1037	Go To Work Order Tracking

- Auto-Create WO (Spatial)
- Apply Route
- Enter Meter Readings
- Report Downtime

Enter Meter Readings

Asset Meter Readings | Location Meter Readings

Asset Meter Readings Filter 1 - 1 of 1

Meter	Meter Type	Last Reading	Last Reading Date	New Reading	New Reading Date	Rollover?	Inspector
> HOUR	CONTINUOUS	284	3/17/26 11:49 AM	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>

OK Cancel

## Multi Asset, Location and CI Table

- One work order for the route
- Specific assets are listed in the Multiple Assets and Location Section
- Can specify an asset or a location
- Can use sequencing
- Can NOT use multiple job plans
- Description field on the route does not update/take the name of the asset
- Continuous Meters are easy to enter using this method

# MultiAsset, set up on the route

When this Route is applied to a Work Order, the Route Stops will become:

- Child Work Orders
- Entries in the Work Order's Multi Asset, Location and CI Table
- Work Order Tasks

Route Stops [Filter](#) > 🔍 🗑️ ⬆️ ⬆️ ⬅️ 1 - 3 of 3 ➡️

Sequence	Location	Asset	Asset/Location Description	Job Plan	Inspection Form	Name
>	>	6095	AIR HANDLER, AIR HANDLER, SEC PUM	>	>	>
>	>	6099	AIR HANDLER, AIR HANDLER, SEC PUM	>	>	>
>	A-010-B-030-I-250	>	LV, FWRC, SECONDARY TREATMENT, SE	>	>	>

[Select Assets](#) [Select Locations](#) [New Row](#)

# MultiAsset, where on the work order

Multiple Assets and Locations [Filter](#) > 🔍 🗑️ ⬆️ ⬆️ ⬅️ 1 - 3 of 3 ➡️

Asset	Asset Description	Location Description
> <u>6095</u> ⓘ >	AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-2, STRUCTURE, HVAC, AHU# AHU-A3, 5.0 HP	LV, FWRC, SECONDARY TREATMENT, SECONDARIES 1-8, SECC HVAC
>	>	LV, FWRC, SECONDARY TREATMENT, SECONDARIES 1-8, SECC HVAC
> 6099 ⓘ >	AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-2, STRUCTURE, HVAC, AHU# AHU-A1, 3.0 HP	LV, FWRC, SECONDARY TREATMENT, SECONDARIES 1-8, SECC HVAC

Select ▾ Clear All New Row

# MultiAsset, meter readings

Asset	Asset Description
> 6095	AIR HANDLER, AIR HA AHU-A3, 5.0 HP
>	
> 6099	HA

Select Value  
Open Drilldown  
Classification  
Attributes  
Go To Assets  
View Contracts  
View Work Details  
View Asset Details  
**Enter Meter Reading**

Reported By: 1810  
Reported Date: 3/13

Asset Meter Readings		Location Meter Readings					
Meter	Meter Type	Last Reading	Last Reading Date	New Reading	New Reading Date	Rollover?	Inspector
> HOUR	CONTINUOUS	185	3/17/26 11:41 AM	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>

## Routes, Setup as a task overview

- One work order for the route
- One task for each asset or location
- Can specify an asset or a location
- Can NOT specify a different job plan
- Can change the name for the task description
- Can work with the sequence field to determine the order

# Routes, Setup as a task

When this Route is applied to a Work Order, the Route Stops will become:

- Child Work Orders
- Entries in the Work Order's Multi Asset, Location and CI Table
- Work Order Tasks

Route Stops	Filter	Search	Sort	Page
Sequence	Location	Asset	Asset/Location Description	
>	>	6095	> AIR HANDLER, AIR HANDLER, SEC PUM	
>	A-010-B-030-I-250	>	> LV, FWRC, SECONDARY TREATMENT, SE	
>	_____	6099	> AIR HANDLER, AIR HANDLER, SEC PUM	

# Routes, what does the work order look like?

Tasks for Work Order T26-1059 [Filter](#) > 🔍 🗑️ ⬆️ ⬆️ ⬅️ 1 - 7 of 7 ➡️

Sequence	Task	Summary	Estimated [
>	5	FOLLOW ALL DISTRICT SAFETY POLICIES	📄
>	10	CONDENSOR WATER	📄
>	20	HOT WATER	📄
>	30	CHILL WATER	📄
>	40	6095 AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-2, STRUCTURE, HVAC, AHU#	📄
>	50	Unit A3	📄
>	60	A-010-B-030-I-250 LV, FWRC, SECONDARY TREATMENT, SECONDARIES 1-8, SECONDAR	📄

# Routes, using sequencing

When this Route is applied to a Work Order, the Route Stops will become:

- Child Work Orders
- Entries in the Work Order's Multi Asset, Location and CI Table
- Work Order Tasks

Route Stops [Filter](#) > 1 - 3 of 3

Sequence	Location	Asset	Asset/Location Description	Job Plan	Inspection Form	Na
1		6095	AIR HANDLER, AIR HANDLER, SEC PUM			
2	A-010-B-030-I-250		LV, FWRC, SECONDARY TREATMENT, SE			
3		6099	AIR HANDLER, AIR HANDLER, SEC PUM			

[Select Assets](#) [Select Locations](#) [New Row](#)

# Routes, using sequencing

Tasks for Work Order T26-1060 [Filter](#) > 🔍 🗑️ ⬆️ ⬆️ ⬅️ 1 - 7 of 7 ➡️

Sequence	Task	Summary	Estimated Duration	Status
> 1	40	6095 AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1-2, STRUCTURE, HVAC, AHU#	0:00	WAPPR
> 2	50	A-010-B-030-I-250 LV, FWRC, SECONDARY TREATMENT, SECONDARIES 1-8, SECONDAR	0:00	WAPPR
> 3	60	Unit A3	0:00	WAPPR
>	5	FOLLOW ALL DISTRICT SAFETY POLICIES	0:00	WAPPR
>	10	CONDENSOR WATER	0:00	WAPPR
>	20	HOT WATER	0:00	WAPPR
>	30	CHILL WATER	0:00	WAPPR

New Row

# Routes, sequencing from everywhere!

Job Plan Tasks [Filter](#) > 🔍 ⌵ ⬆️ ⬅️ 1 - 4 of 4 ➡️

Sequence	Task	Description
>	5	FOLLOW ALL DISTRICT SAFETY POLICIES

Job Plan Tasks [Filter](#) > 🔍 ⌵ ⬆️ ⬅️ 1 - 4 of 4 ➡️

Sequence	Task	Description
>	1	5 FOLLOW ALL DISTRICT SAFETY POLICIES
>	10	10 CONDENSOR WATER
>	11	20 HOT WATER
>	12	

[New Row](#)

Tasks for Work Order T26-1062 [Filter](#) > 🔍 ⌵ ⬆️ ⬅️ 1 - 7 of 7 ➡️

Sequence	Task	Summary
>	1	5 FOLLOW ALL DISTRICT SAFETY POLICIES
>	2	40 6095 AIR HANDLER, AIR HANDLER, SEC PUMP STATION 1
>	3	50 A-010-B-030-I-250 LV, FWRC, SECONDARY TREATMENT, S
>	4	60 Unit A3
>	10	10 CONDENSOR WATER
>	11	20 HOT WATER
>	12	30 CHILL WATER

Route Stops [Filter](#) > 🔍 ⌵ ⬆️ ⬅️ 1 - 3 of 3 ➡️

Sequence	Location	Asset	Asset/Locat
>	2	6095	AIR HANDL
>	3	A-010-B-030-I-250	LV, FWRC, S
>	4	6099	AIR HANDLE

[Select Assets](#) [Select Locations](#) [New Row](#)

# Tasks, Continuous Meters

Reference WO: T3659984 ⓘ >

Location: A-010-B-030-I-250 > LV

Asset: 6099 ⓘ > AIR HANDLER, A

- Select Value
- Open Drilldown
- Classification
- Attributes
- Go To Assets
- View Contract
- View Work Order

Scheduling Information

Target Start

- Unit of Measure and Conversion >
- Enter Meter Readings
- Manage Meter Reading History

Enter Meter Readings

Meters Filter > 1 - 1 of 1

Meter	New Reading	New Reading Date	Rollover?	Inspector	Meter Type	Previous Reading	Previous Reading Date
> HOUR	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	> CONTINUOUS	185	3/17/26 11:41 AM

OK Cancel

## **Routes and Cost Rollup to Assets (Total and YTD Cost)**

- Parent/Child is your best option
  - Time/Material needs to be entered on Child WO
- Tasks
  - Can record some info such as material against a task which will roll up
  - If desired can record time against the task and it will roll up
- Multiasset – out of luck with cost roll up
- Overall if asset is recorded in the asset field on Work Order tab it will roll up to costs

# Questions regarding Routes? What was left out?

