

# Edit for MapInfo v. 8.5

## New Features

The look and feel has not changed

OSPinsight 8.5 - CityTest(Local)

File Edit Reports Options Tools Query Map Window Help

Find Address: Refresh Maps Save Table

Data View Templates and Defaults

Buildings Refresh

| ID  | name                      |
|-----|---------------------------|
| 10  | 7th North Shopping Center |
| 116 | 824 Oxford                |
| 115 | 830 Oxford                |
| 114 | 838 Oxford                |
| 113 | 844 Oxford                |
| 112 | 852 Oxford                |
| 111 | 858 Oxford                |
| 110 | 864 Oxford                |
| 109 | 872 Oxford                |
| 108 | 878 Oxford                |
| 107 | 884 Oxford                |
| 106 | 890 Oxford                |
| 105 | 896 Oxford                |

Relations More Info

7th North Shopping Center (10)

| Item         | Info                      |
|--------------|---------------------------|
| buildingid   | 10                        |
| name         | 7th North Shopping Center |
| cili         | none                      |
| street       | none                      |
| city         | none                      |
| state        | none                      |
| zip          | none                      |
| Oliver       | none                      |
| typ          | none                      |
| comments     | none                      |
| gpslatitude  | 40.785466                 |
| gpslongitude | -111.940976               |
| traffic      | none                      |

Map Lists

Zoom: 18.64 mi | Editing: None | Selecting: None | Display the distance between two map points.

OSPinsightMapServer - Google Street

Without Insight ... It's Just a Map

Much has been done on the backend

Database changes include:

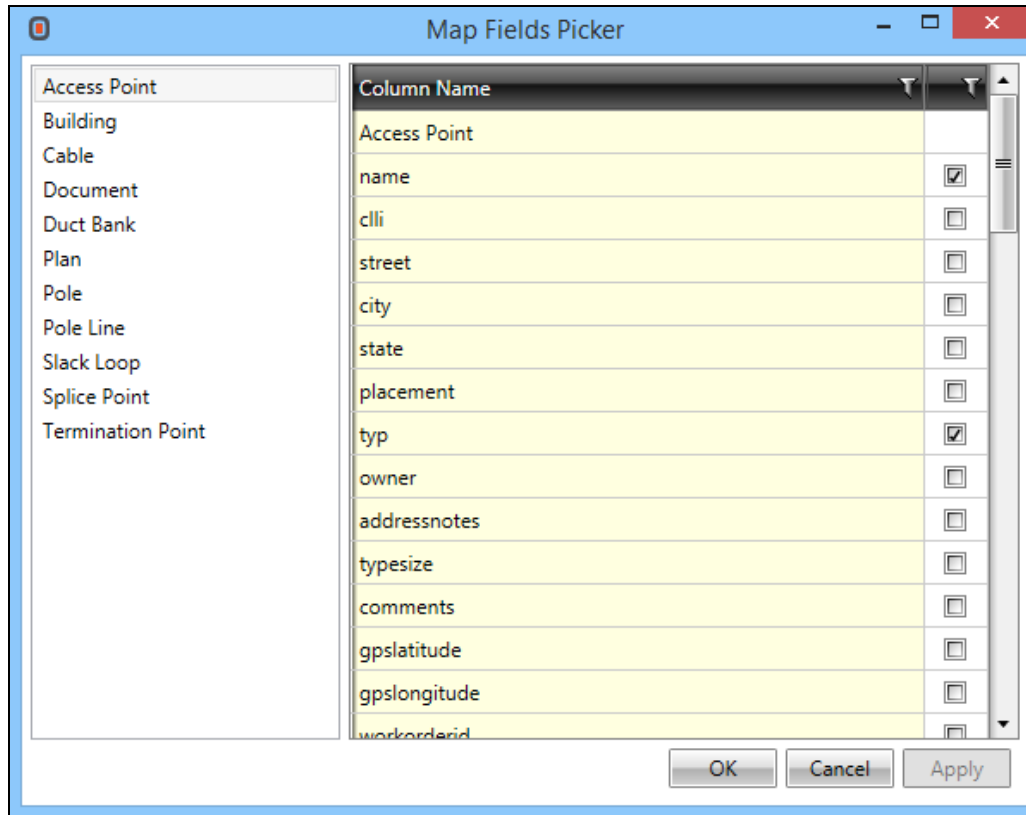
- Additional EA fields
- Create User / Date fields
- Etc.

Performance Enhancements to reduce Deadlocks / Timeouts include:

- Improvement of the main queries that were involved with deadlocks.
- Reduction in amount of data on a .tab file (users need to be aware)
  - 4 gb to 200 mb (see next slide)

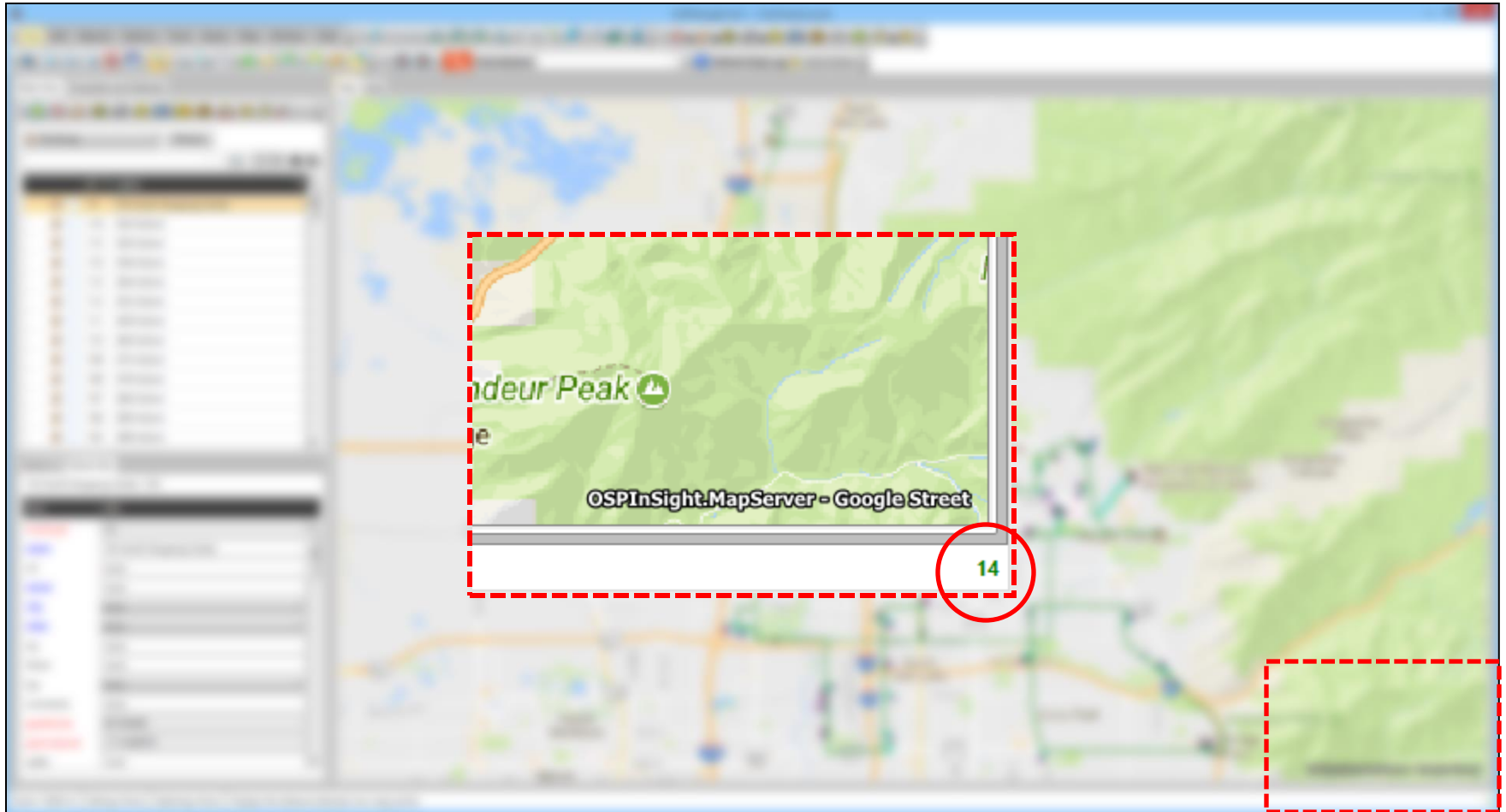
Changes to allow installation on virtualized environments

Fields can be selected for each object layer for use with the layers when opened on the map

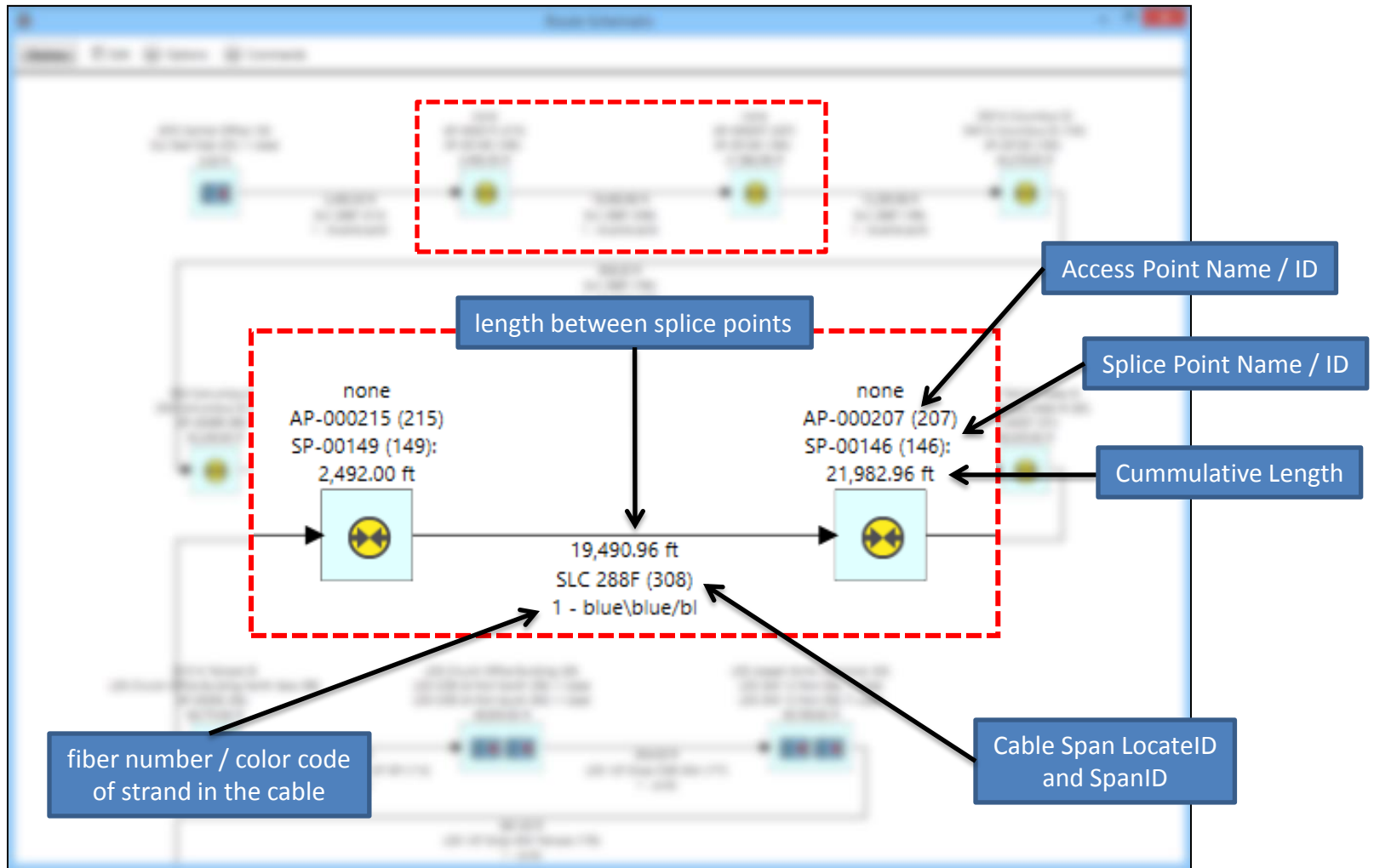


Note: If you have labels setup within MapInfo already, the first time you open the database those labels may not be available. You will need to ensure that the fields used in those labels are chosen in the Map Fields Picker and then re-open the database.

## Connection to database confirmation



## Splice Points added to the Route Schematic



## Work Order – Set as Default

Data View Templates and Defaults

Work Orders Refresh

| ID | workorder   |
|----|-------------|
| 13 | GenEx       |
| 58 | Junk        |
| 15 | Kid Care    |
| 18 | Maverick    |
| 11 | MyTest      |
| 10 | ParksBuild  |
| 14 | Titos Tires |

Relations More Info.

ParksBuild (10)

| Item        | Info                  |
|-------------|-----------------------|
| workorderid | 10                    |
| workorder   | ParksBuild            |
| initiator   | Randy                 |
| stage       | Planning              |
| start_date  | Today 11/5/2018       |
| end_date    | Today 11/5/2018       |
| updatetime  | 10/2/2018 2:24:31 PM  |
| updateuser  | Randy                 |
| Project     | none                  |
| Comments    | none                  |
| createtime  | 11/5/2018 12:21:45 PM |
| createuser  |                       |

Set work order as default  
so that all subsequent  
objects added will be referenced  
to that work order

































Set as Default...

- New
- Relate Document(s)...
- Edit Relations...
- Map Views...
- Tasks...
- Bill Of Materials...
- Labor Task List...
- Delete...

## Work Order – Edit Relations

Relations - Work Order: DFC WO-003

Save Cancel Export...

|   | ID  |                     |   |
|---|-----|---------------------|---|
| Access Point  | 2   |                     |   |
|    | 169 | 150 W S Temple      |    |
|    | 170 | Abravanel West JBox |    |
| Buildings   | 2   |                     |   |
|    | 90  | Abravanel Hall      |    |
|    | 91  | UMOCA               |    |
| Cable Spans   | 6   |                     |   |
|    | 243 | 243                 |    |
|    | 244 | 244                 |    |
|    | 245 | 245                 |    |
|    | 246 | 246                 |    |
|    | 247 | 247                 |    |
|    | 249 | 249                 |    |
| Documents   | 0   |                     |   |
| Duct Banks  | 3   |                     |   |
|    | 175 | DB-00175            |    |
|    | 177 | DB-00177            |    |
|    | 178 | DB-00178            |    |
| Equipment   | 0   |                     |   |
| Plan  | 0   |                     |   |
| Poles   | 0   |                     |   |
| Splice Points   | 2   |                     |   |
|  | 120 | SP-00120            |  |
|  | 121 | SP-00121            |  |
| Termination Points  | 4   |                     |   |
|  | 122 | SP-00122            |  |

View all network objects related to the work order and have the ability to remove items or drag and drop new items from the data view.



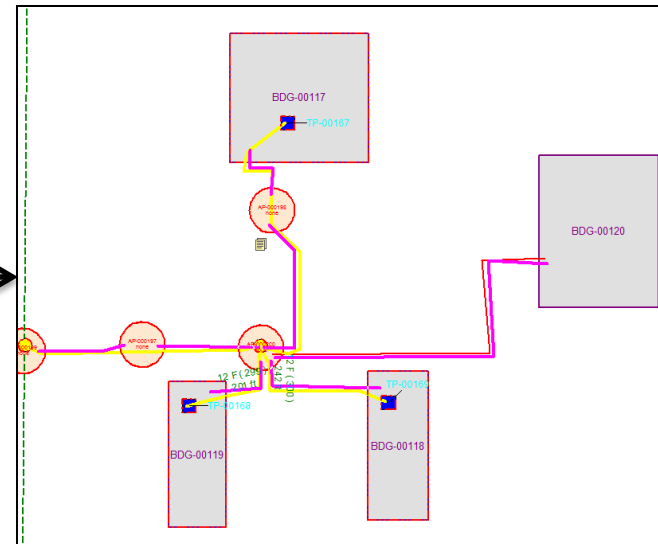
## Work Order – Edit Relations

Relations - Work Order: DFC WO-003

Save Cancel Export...

|                    | ID  |                     |   |
|--------------------|-----|---------------------|---|
| Access Point       | 2   |                     |   |
|                    | 169 | 150 W S Temple      | ✗ |
|                    | 170 | Abravanel West JBox | ✗ |
| Buildings          | 2   |                     |   |
|                    | 90  | Abravanel Hall      | ✗ |
|                    | 91  | UMOCA               | ✗ |
| Cable Spans        | 6   |                     |   |
|                    | 243 | 243                 | ✗ |
|                    | 244 | 244                 | ✗ |
|                    | 245 | 245                 | ✗ |
|                    | 246 | 246                 | ✗ |
|                    | 247 | 247                 | ✗ |
|                    | 249 | 249                 | ✗ |
| Documents          | 0   |                     |   |
| Duct Banks         | 3   |                     |   |
|                    | 175 | DB-00175            | ✗ |
|                    | 177 | DB-00177            | ✗ |
|                    | 178 | DB-00178            | ✗ |
| Equipment          | 0   |                     |   |
| Plan               | 0   |                     |   |
| Poles              | 0   |                     |   |
| Splice Points      | 2   |                     |   |
|                    | 120 | SP-00120            | ✗ |
|                    | 121 | SP-00121            | ✗ |
| Termination Points | 4   |                     |   |
|                    | 122 | TP-00122            | ✗ |
|                    | 123 | TP-00123            | ✗ |
|                    | 124 | TP-00124            | ✗ |
|                    | 125 | TP-00125            | ✗ |

Zoom to and show all network objects on the map related to the work order



Without Insight ... It's Just a Map

## Work Order – Edit Relations

Relations - Work Order: DFC WO-003

Save Cancel Export...

|                    | ID  |                     |   |
|--------------------|-----|---------------------|---|
| Access Point       | 2   |                     |   |
|                    | 169 | 150 W S Temple      | X |
|                    | 170 | Abravanel West JBox | X |
| Buildings          | 2   |                     |   |
|                    | 90  | Abravanel Hall      | X |
|                    | 91  | UMOCA               | X |
| Cable Spans        | 6   |                     |   |
|                    | 243 | 243                 | X |
|                    | 244 | 244                 | X |
|                    | 245 | 245                 | X |
|                    | 246 | 246                 | X |
|                    | 247 | 247                 | X |
|                    | 249 | 249                 | X |
| Documents          | 0   |                     |   |
| Duct Banks         | 3   |                     |   |
|                    | 175 | DB-00175            | X |
|                    | 177 | DB-00177            | X |
|                    | 178 | DB-00178            | X |
| Equipment          | 0   |                     |   |
| Plan               | 0   |                     |   |
| Poles              | 0   |                     |   |
| Splice Points      | 2   |                     |   |
|                    | 120 | SP-00120            | X |
|                    | 121 | SP-00121            | X |
| Termination Points | 4   |                     |   |
|                    | 122 | SP-00122            | X |

Export work order objects  
to MapInfo or KML files

Export...

☒ Export to .tab (MapInfo)

☐ Export to KML

OK Cancel

## Work Order – Map View

Create Map Views per work order

Data View Templates and Defaults

Work Orders Refresh

| ID | workorder   |
|----|-------------|
| 13 | GenEx       |
| 58 | Junk        |
| 15 | Kid Care    |
| 18 | Maverick    |
| 11 | MyTest      |
| 10 | ParksBuild  |
| 14 | Titos Tires |

Relations More Info.

ParksBuild (10)

| Item        | Info                  |
|-------------|-----------------------|
| workorderid | 10                    |
| workorder   | ParksBuild            |
| initiator   | Randy                 |
| stage       | Planning              |
| start_date  | Today 11/5/2018       |
| end_date    | Today 11/5/2018       |
| updateime   | 10/2/2018 2:24:31 PM  |
| updateuser  | Randy                 |
| Project     | none                  |
| Comments    | none                  |
| createtime  | 11/5/2018 12:21:45 PM |
| createuser  |                       |

Map Views

Splice 1

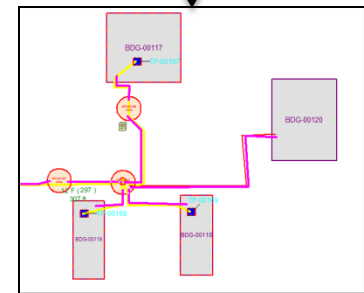
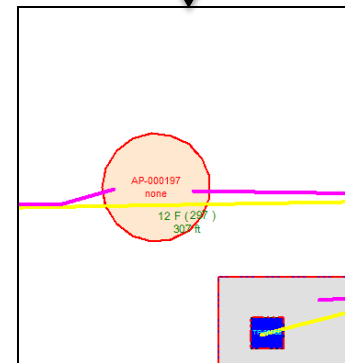
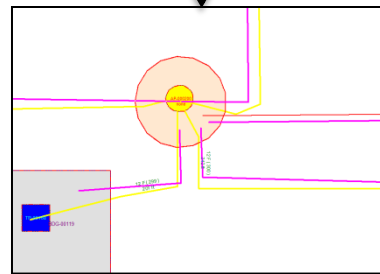
Splice 2

Overview

Update

OK

Cancel



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## Work Order – Bill of Materials

The materials required to complete the build

| Bill Of Materials - ParksBuild                          |                               |                                     |         |      |            |             |
|---|-------------------------------|-------------------------------------|---------|------|------------|-------------|
| <div>Export... Refresh</div> <div>Summary Details</div> |                               |                                     |         |      |            |             |
| Part Number   | Sub Category                  | Description                         | Quantit | Unit | Unit Price | Total Price |
|   | Conduit                       | Conduit: 6" HDPE SDR-11             | 1278    | Foot | \$2.00     | \$2,556.00  |
|   | Conduit                       | Conduit: 2" HDPE SDR-11             | 243     | Foot | \$2.00     | \$486.00    |
|   | Conduit                       | Conduit: 1" HDPE - Corrugated       | 2556    | Foot | \$2.00     | \$5,112.00  |
|   | Cable                         | Miscellaneous Fiber Optic Cable     | 1136    | Foot | \$2.00     | \$2,272.00  |
|   | Handhole / Manhole            | Tier 8 - 17"x18"x30" - With knock-  | 9       | Each | \$2.00     | \$18.00     |
|   | Handhole / Manhole            | Tier H20 36" Round Concrete Manl    | 12      | Each | \$2.00     | \$24.00     |
|   | Handhole / Manhole            | ISP Junction Box up to 12" x 12"    | 15      | Each | \$2.00     | \$30.00     |
|   | ISP MPOE/CPE Civil - AC Power | 15A, 120V Single Phase Power Cab    | 600     | Foot | \$2.00     | \$1,200.00  |
|   | ISP MPOE/CPE Civil            | Relay Rack: 2-Post, Non Seismic - 1 | 12      | Each | \$2.00     | \$24.00     |
|   | ISP MPOE/CPE Civil - CAT/COAX | CAT5/6 Connectors                   | 54      | Each | \$2.00     | \$108.00    |
|   | ISP MPOE/CPE Civil - DC Power | #4 AWG Wire Stranded                | 1200    | Foot | \$2.00     | \$2,400.00  |
|   | Splice Enclosures and Trays   | Miscellaneous Splice Enclosure - M  | 1       | Each | \$2.00     | \$2.00      |
|   | Splice Enclosures and Trays   | Miscellaneous Grounding Closure (   | 2       | Each | \$2.00     | \$4.00      |
|   | ISP MPOE/CPE Civil            | Relay Shelf                         | 3       | Each | \$2.00     | \$6.00      |
|   | ISP MPOE/CPE Civil            | DSX-1 Panel                         | 3       | Each | \$2.00     | \$6.00      |
| Total   |                               |                                     |         |      |            | \$14,248.00 |

## Work Order – Labor Task List

The labor required to complete the build

| Labor Task List - ParksBuild |                               |                                      |          |      |            |             |
|------------------------------|-------------------------------|--------------------------------------|----------|------|------------|-------------|
| <div>Export... Refresh</div> |                               |                                      |          |      |            |             |
| <div>Summary Details</div>   |                               |                                      |          |      |            |             |
| Category                     | Sub Category                  | Description                          | Quantity | Unit | Unit Price | Total Price |
| U/G                          | Pull Fiber Optic Cable (FOCA) | Pull FOCA in Duct, 300' to 1000' (e  | 307      | ft   | \$3.00     | \$921.00    |
| U/G                          | Miscellaneous                 | Pump / De-Gas M.H.                   | 1        | ea   | \$3.00     | \$3.00      |
| U/G                          | Existing Conduit/Duct Prep    | Place Locate Wire in Existing Duct   | 327      | ft   | \$3.00     | \$981.00    |
| U/G                          | Pull Fiber Optic Cable (FOCA) | Pull FOCA in Duct, 300' to 1000'     | 327      | ft   | \$3.00     | \$981.00    |
| U/G                          | Existing Conduit/Duct Prep    | Place Pull Rope in Existing Duct (re | 327      | ft   | \$3.00     | \$981.00    |
| U/G                          | Trench < 300'                 | 36" minimum cover                    | 0        | ft   | \$3.00     | \$0.00      |
|                              |                               |                                      |          |      | Total      | \$3,867.00  |



Added Types for:  
Access Points  
Buildings  
Duct Bank

## Duct bank Type

Design a duct bank with a cross section and related materials

The screenshot shows the OSP INSIGHT software interface. The 'Edit' menu is open, and 'Ductbank Type...' is highlighted. An arrow points from this menu item to the 'Duct Bank Cross Section Type Editor' dialog box. The dialog box contains a table with the following data:

|           | name | diam | diam | gaug | material                      | color | update time       | update | taskid                              |
|-----------|------|------|------|------|-------------------------------|-------|-------------------|--------|-------------------------------------|
| Duct Bank | 1x2  |      |      |      |                               |       | 11/5/2018 7:15:30 | Randy  |                                     |
| Superduct |      | 6    | in   |      | Conduit: 6" HDPE SDR-11       |       | 11/5/2018 7:16:44 | Randy  | Conduit: 6" HDPE SDR-11 (384)       |
| Innerduct |      | 1    | in   |      | Conduit: 1" HDPE - Corrugated | none  | 11/5/2018 7:16:44 | Randy  | Conduit: 1" HDPE - Corrugated (374) |
| Innerduct |      | 1    | in   |      | Conduit: 1" HDPE - Corrugated | none  | 11/5/2018 7:16:44 | Randy  | Conduit: 1" HDPE - Corrugated (374) |

The dialog box also includes buttons for 'New', 'Delete', 'OK', 'Cancel', and 'Apply'.

## Duct bank Type

Materials for Superduct and Innerduct are linked to the materials in the Master Task List

Duct Bank Cross Section Type Editor\*

1x2 Name: 1x2 Open Tasks...

|           | name | diam | diam | gaug | material                      | color | update time       | update | taskid                              |
|-----------|------|------|------|------|-------------------------------|-------|-------------------|--------|-------------------------------------|
| Duct Bank | 1x2  |      |      |      |                               |       | 11/5/2018 7:15:30 | Randy  |                                     |
| Superduct |      | 6    | in   |      | Conduit: 6" HDPE SDR-11       |       | 11/5/2018 7:16:44 | Randy  | Conduit: 6" HDPE SDR-11 (384)       |
| Innerduct |      | 1    | in   |      | Conduit: 1" HDPE - Corrugated | none  | 11/5/2018 7:16:44 | Randy  | Conduit: 1" HDPE - Corrugated (374) |
| Innerduct |      | 1    | in   |      | Conduit: 1" HDPE - Corrugated | none  | 11/5/2018 7:16:44 | Randy  | Conduit: 1" HDPE - Corrugated (374) |

Conduit Plug: 1" with Cable Simplex Plug Jackmoon equivalent (448)  
 Conduit Plug: 1-1/4" Blank Jackmoon equivalent (449)  
 Conduit Plug: 1-1/4" with Cable Simplex Plug Jackmoon equivalent (450)  
 Conduit Plug: 2" Blank Jackmoon equivalent (451)  
 Conduit Plug: 2" with Cable Simplex Plug Jackmoon equivalent (452)  
 Conduit Plug: 4" Blank Jackmoon equivalent (453)  
 Conduit Plug: 4" w/ Innerduct (Triplex/Quadplex Plug) Jackmoon equivalent (454)  
 Miscellaneous Conduit Plug Jackmoon equivalent (must be pre-approved by Level 3) (455)  
 Conduit: 1" HDPE - Corrugated (374)



## Duct bank Type

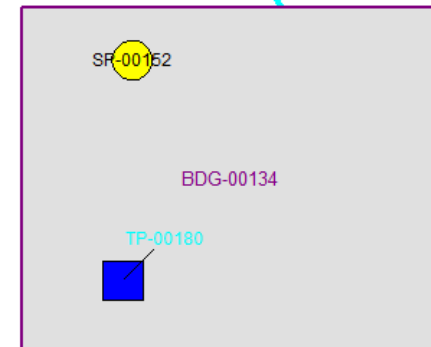
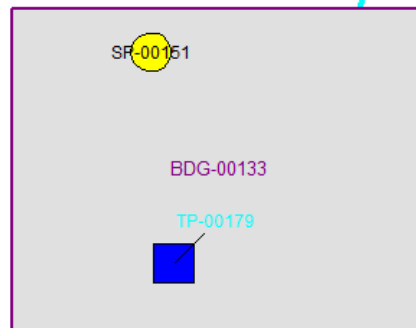


When adding a duct bank, select the type that was designed and add it to the map

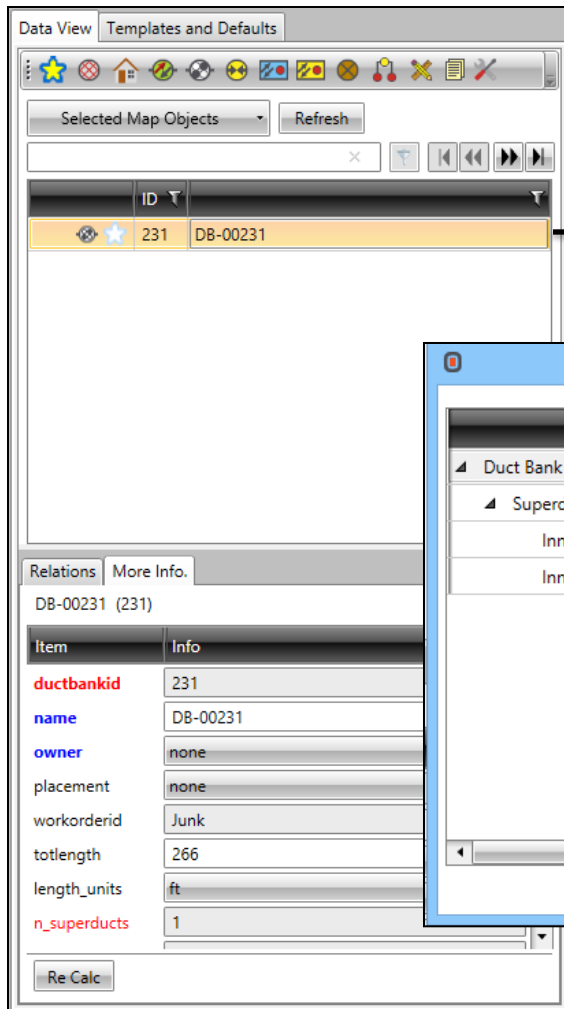
Choose Ductbank Type...

Type Name: empty

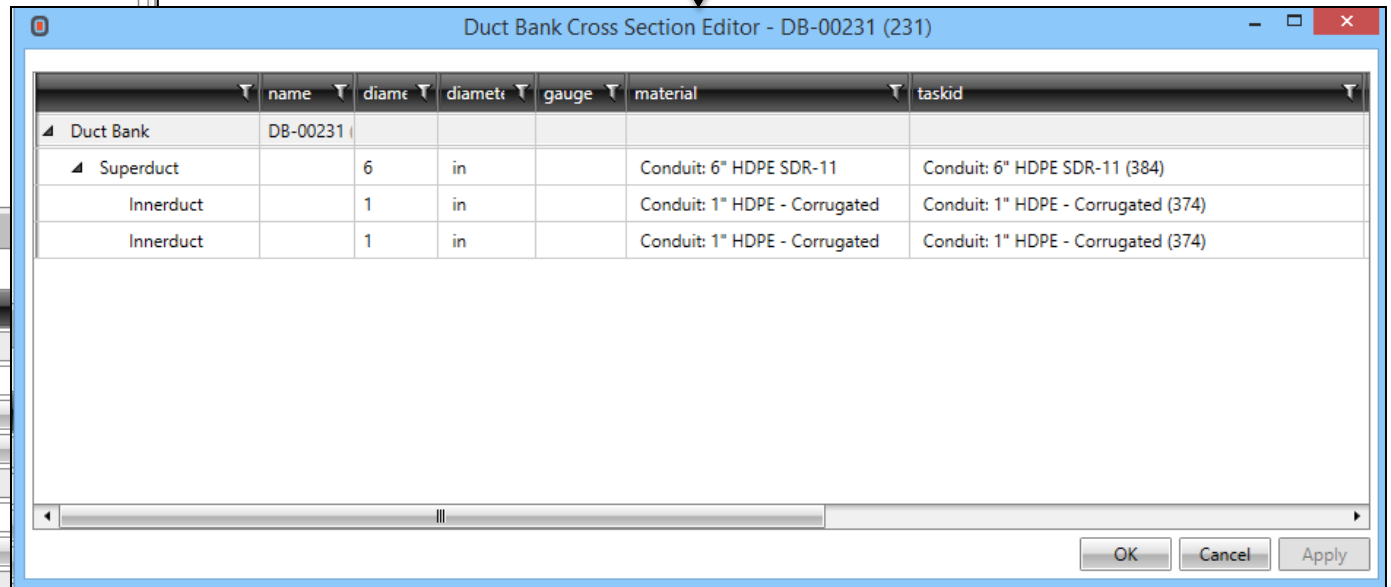
- empty
- 1x1
- 1x2
- 1x4
- 2x2
- 2x2 - Buried
- DB 10222018



## Duct bank Type



The cross section and materials will be created using the duct bank type



## Access Point Type

The screenshot displays the 'Material Type Editor' application. On the left, a sidebar lists hardware categories: Access Point Hardware, Building Hardware, Cable Hardware, Cable Reel Hardware, Color Codes, Patch Type Hardware, Splice Point Hardware, and Termination Point Hardware. The 'Access Point Hardware' category is selected, showing 'AccessType - 1' with details like 'AP 10222018' and 'RSA Test'.

The main window shows the details for 'access\_pointtype 1':

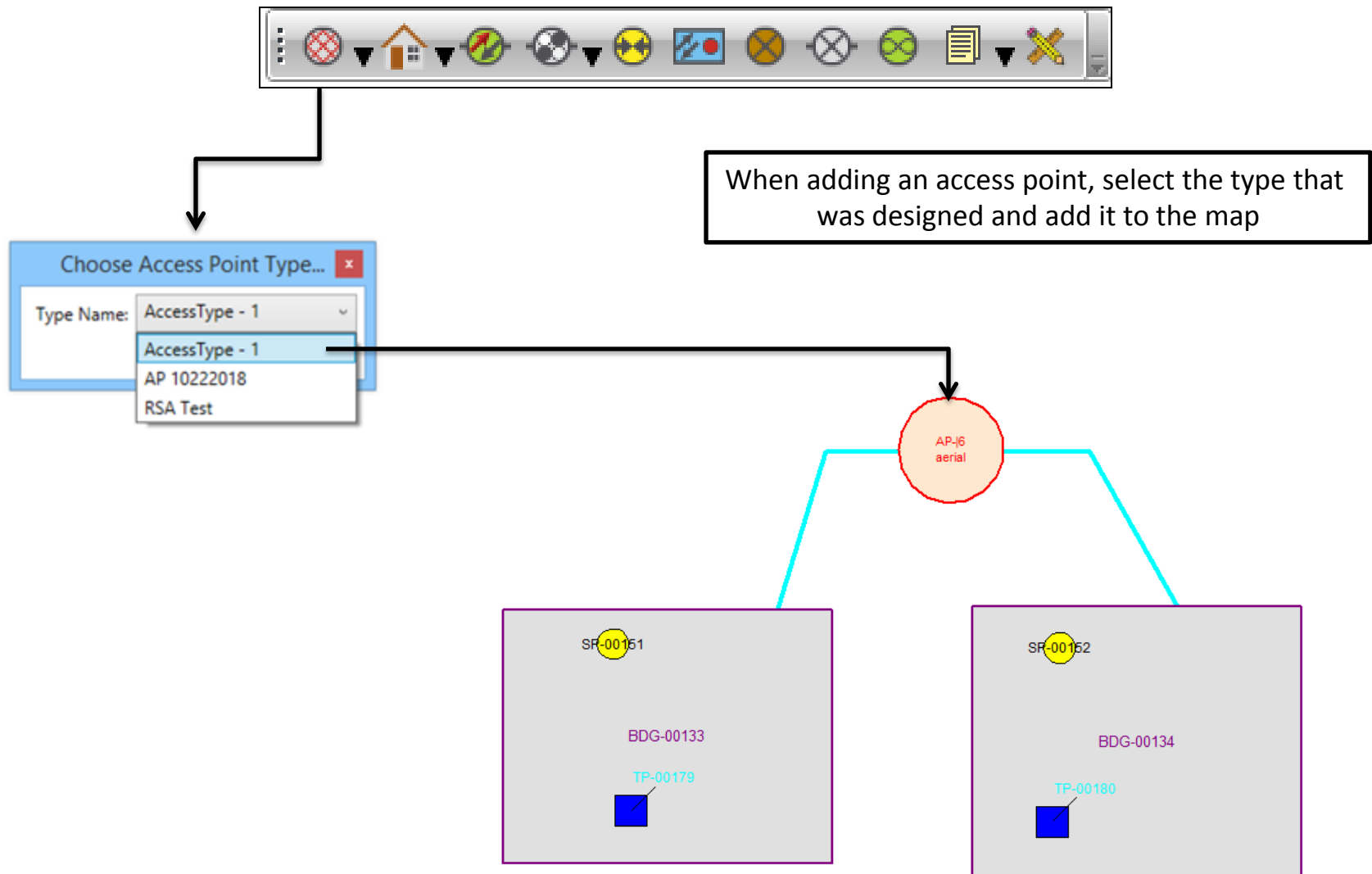
- name: AccessType - 1
- comments:
- typesize: none
- typ: ceiling box
- updatetime: 9/17/2018 3:52:59 PM
- updateuser: Randy
- createtime: 9/17/2018
- createuser: Randy

A 'Tasks (access\_pointtype:1)' dialog box is open, showing a list of tasks. The dialog has a 'Filter' dropdown set to '<all>'. The tasks are listed in a table with columns: Code, Task, Units, Materials Option, and Task Note.

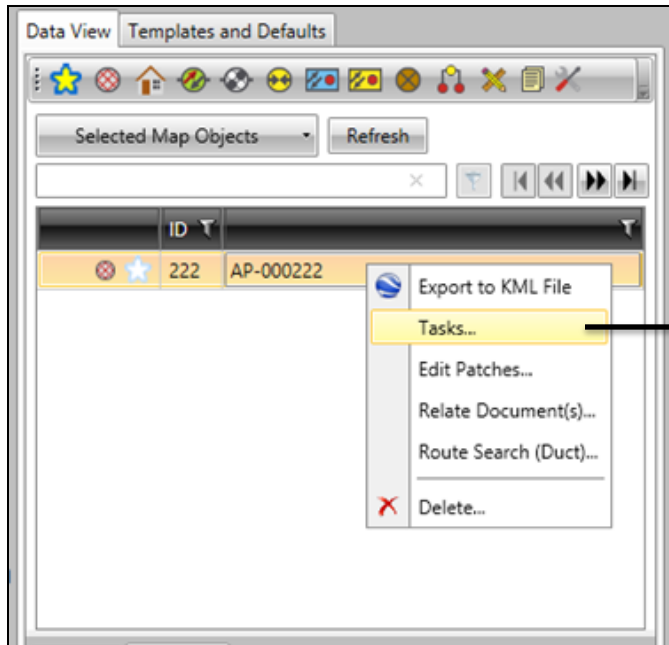
| Code      | Task                                       | Units | Materials Option | Task Note |
|-----------|--|-------|------------------|-----------|
| MAT-90920 | Tier 8 - 17"x18"x30" - With knock-outs and | Each  | Materials Only   |           |
| MAT-91100 | Tier H20 36" Round Concrete Manhole - W    | Each  | Materials Only   |           |
| MAT-91120 | ISP Junction Box up to 12" x 12"           | Each  | Materials Only   |           |

At the bottom of the dialog, there are 'OK', 'Cancel', and 'Apply' buttons.

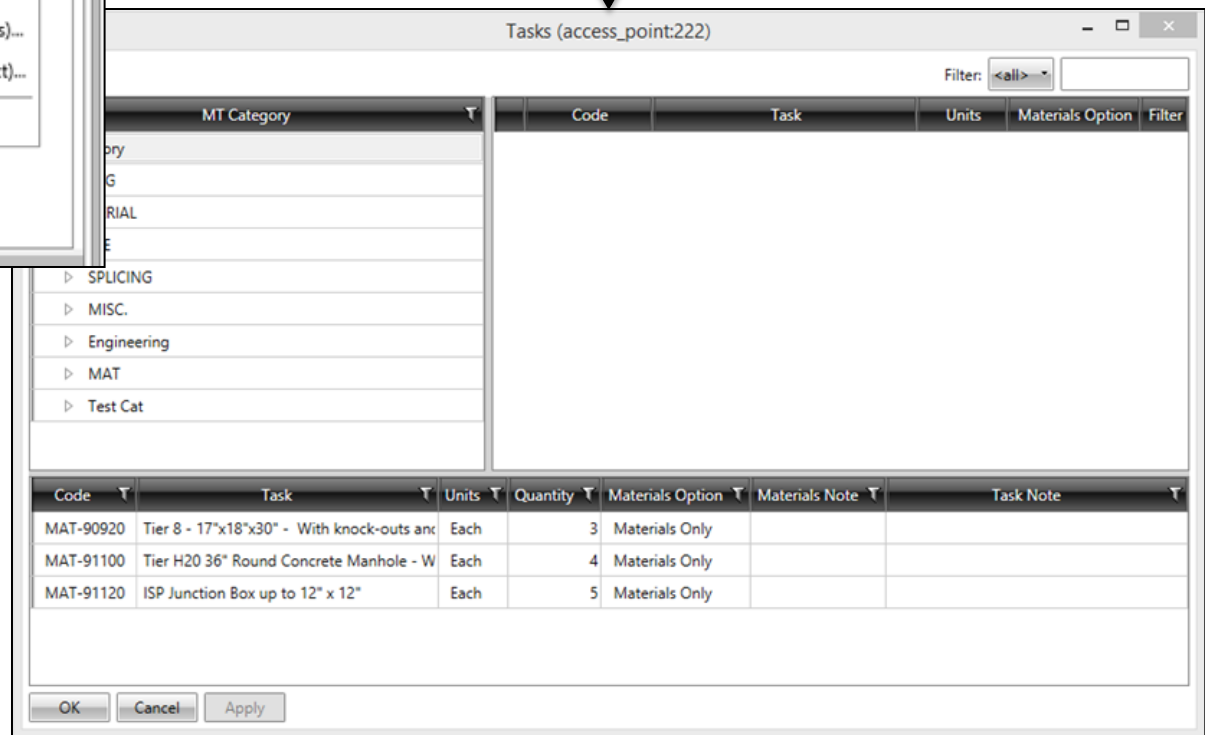
## Access Point Type



## Access Point Type



The attributes and materials of the access point type will flow through to the newly created access point.



Without Insight ... It's Just a Map

## Building Type

Access Point Hardware

Building Hardware

Cable Hardware

Cable Reel Hardware

Color Codes

Patch Type Hardware

Splice Point Hardware

Termination Point Hardware

BDG 10222018

BuildingType - 1

RSA Building

Create New Building Type

Delete Selected Type

Item

Info

buildingtypeid

1

name

BuildingType - 1

comments

floors

0

basements

0

diverse\_entries

0

typ

ispviewtypeid

updateuserid

9/17/2017

updateuser

createtimestamp

9/17/2017

createuser

Revert Changes

Material Type Editor

Tasks (buildingtype:1)

Filter: Building Filter

MT Category

Code

Task

Units

Materials Option

Fi

Category

U/G

AERIAL

B/E

SPLICING

MISC.

Engineering

MAT

Test Cat

Code

Task

Units

Quantity

Materials Option

Materials Note

Task Note

MAT-93350

Relay Rack: 2-Post, Non Seismic - 19"

Each

4

Materials Only

MAT-91610

15A, 120V Single Phase Power Cable

Foot

200

Materials Only

MAT-94570

CAT5/6 Connectors

Each

18

Materials Only

MAT-94680

#4 AWG Wire Stranded

Foot

400

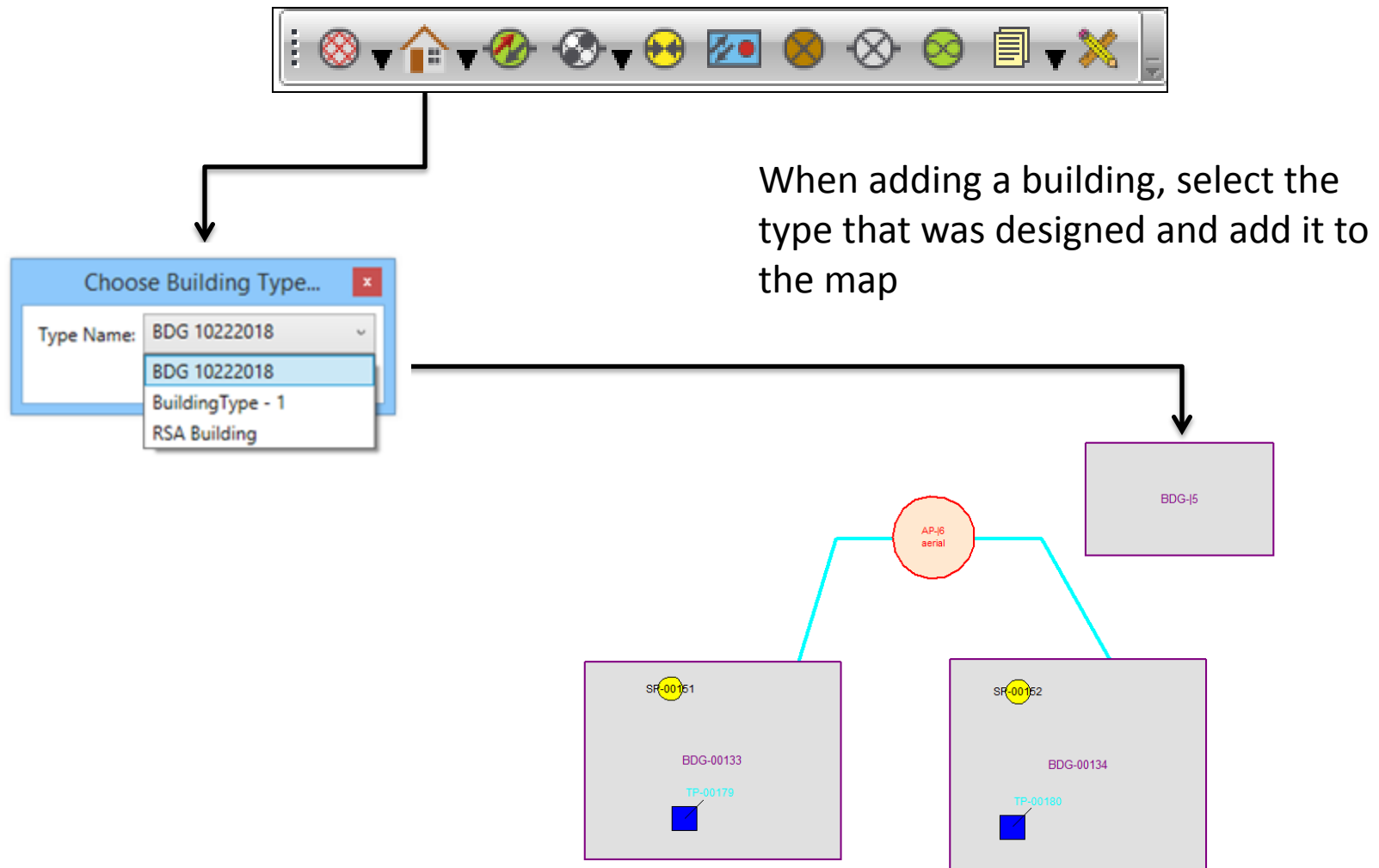
Materials Only

OK

Cancel

Apply

## Building Type



## Access Point Type

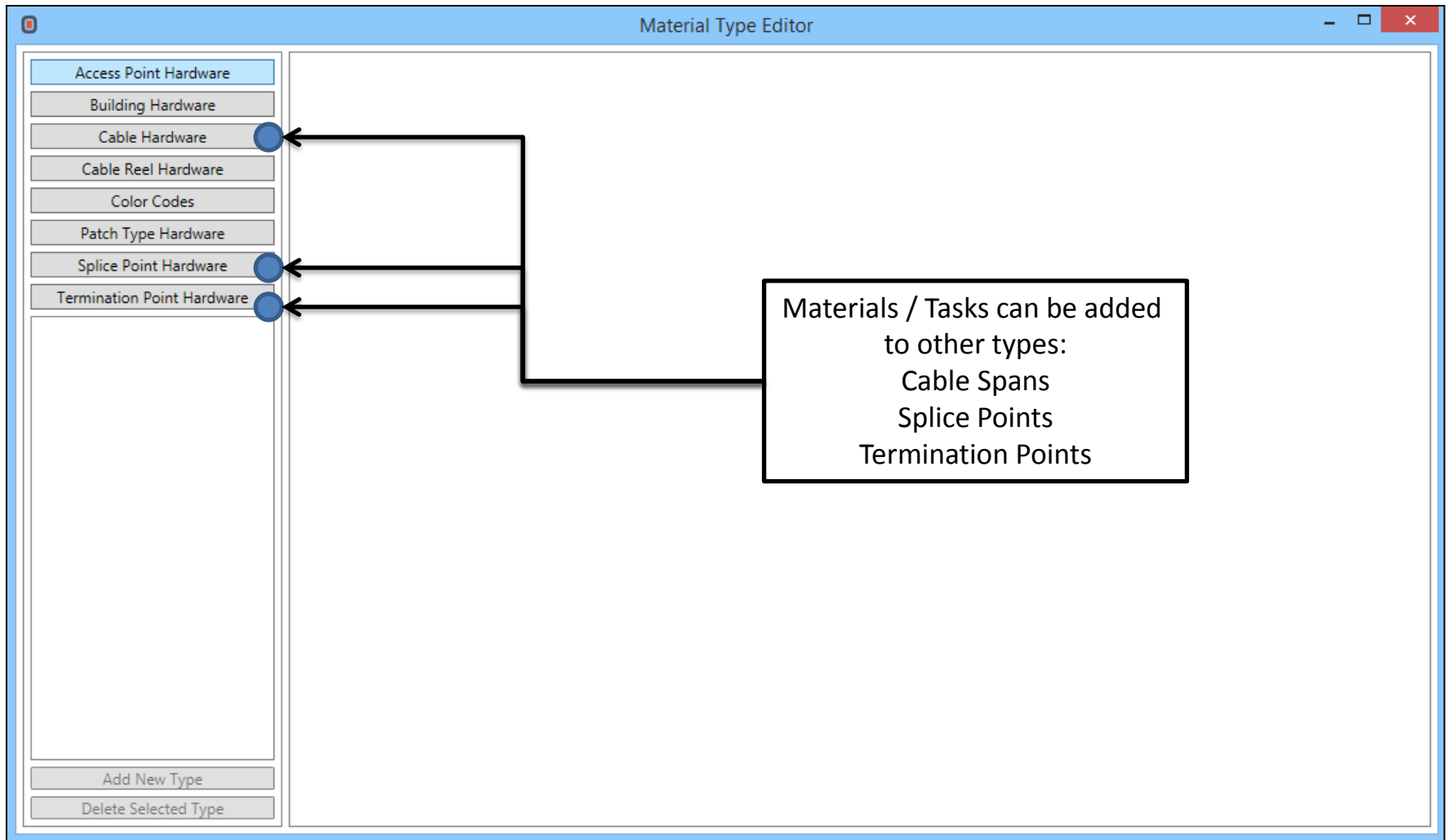
The attributes and materials of the building type will flow through to the newly created access point

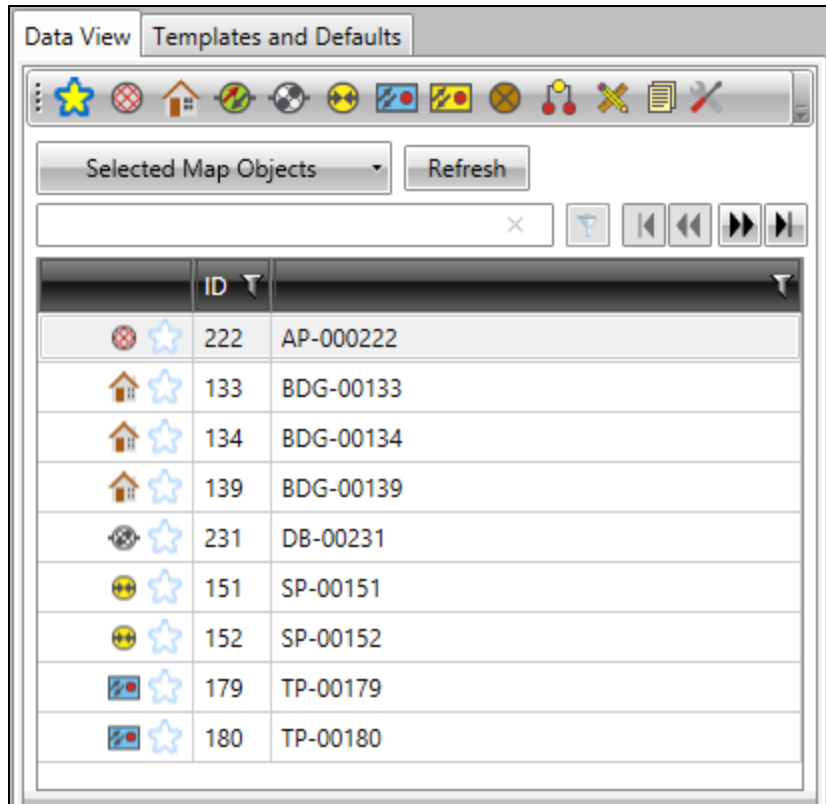
The screenshot shows the 'Tasks (building:139)' dialog box. The 'MT Category' dropdown is set to 'MAT'. The 'Filter' is set to '<all>'. The 'Task' column lists various tasks, and the 'Materials Option' column lists the materials used for each task. The 'Quantity' column shows the amount of each material required.

| Code      | Task                                  | Units | Quantity | Materials Option | Materials Note | Task Note |
|-----------|---------------------------------------|-------|----------|------------------|----------------|-----------|
| MAT-93350 | Relay Rack: 2-Post, Non Seismic - 19" | Each  | 4        | Materials Only   |                |           |
| MAT-91610 | 15A, 120V Single Phase Power Cable    | Foot  | 200      | Materials Only   |                |           |
| MAT-94570 | CAT5/6 Connectors                     | Each  | 18       | Materials Only   |                |           |
| MAT-94680 | #4 AWG Wire Stranded                  | Foot  | 400      | Materials Only   |                |           |



## Materials for other Types





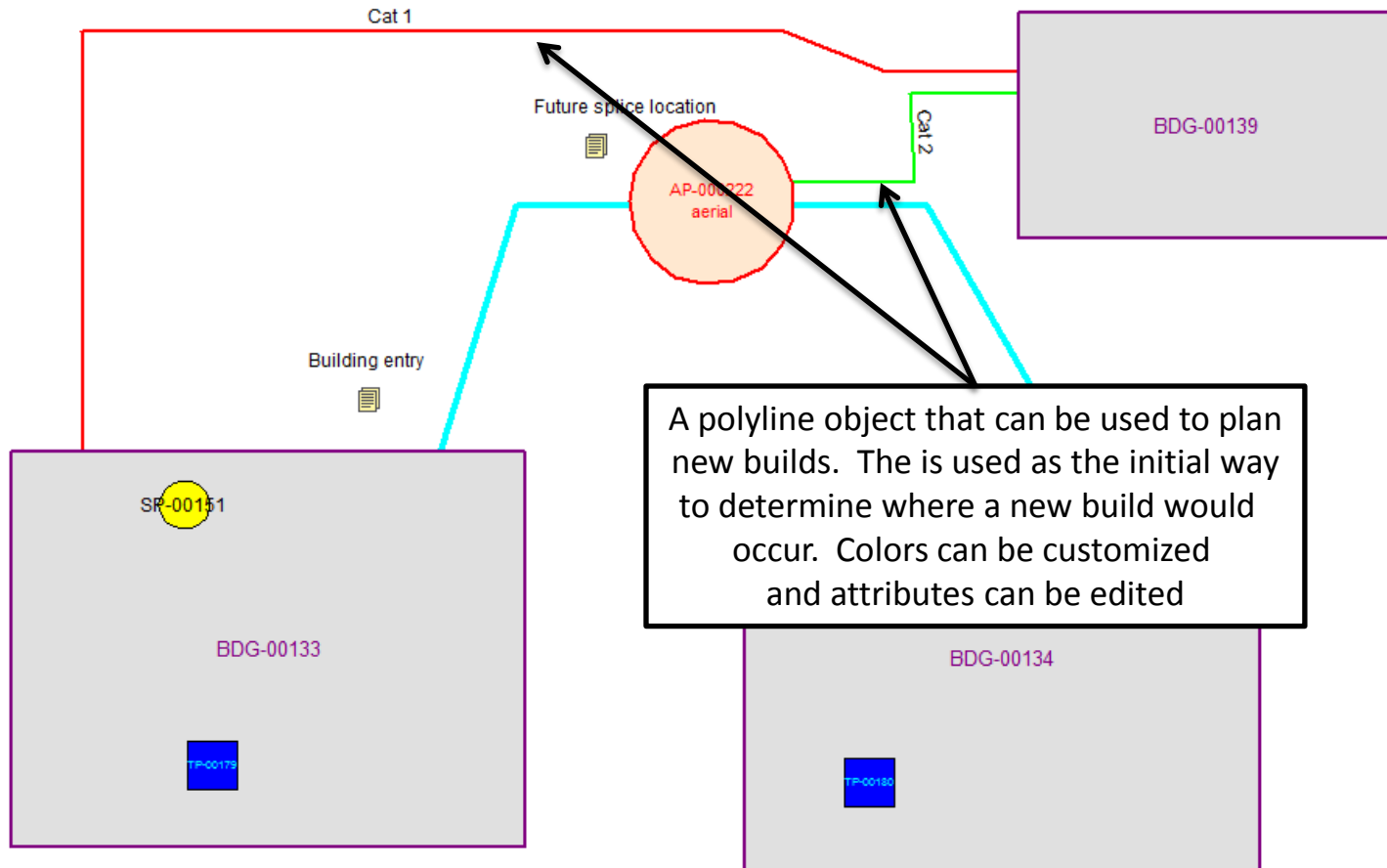
After an object is created, materials can also be added to individual objects

## New Categories

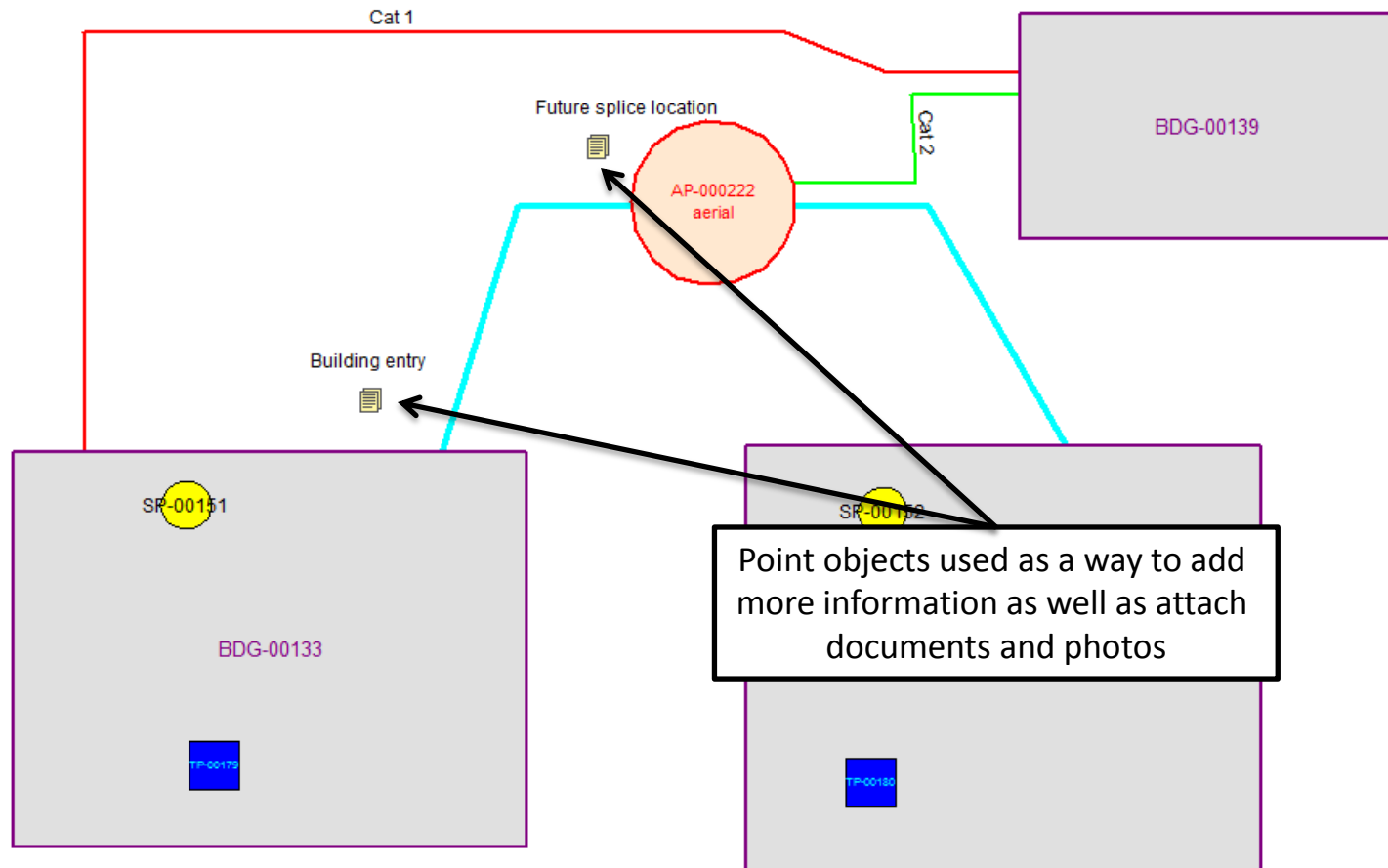


There are two new  
categories:  
Documents / Comments  
Plans

## Plan Category



## Document / Comments Category



# Master Task List

Master Task List Editor

Filter: <all>

| MT Category                          | Code | Task  | Units | Materials Option | Filter |
|--------------------------------------|------|---|-------|------------------|--------|
| Category                             |      |   |       |                  |        |
| U/G                                  |      |   |       |                  |        |
| Trench < 300'                        |      |   |       |                  |        |
| Trench 300' to 1000'                 |      |   |       |                  |        |
| Trench > 1000'                       |      |   |       |                  |        |
| Rock/Rock Saw                        | 1031 | Rock Saw Excavation   | ft    | Incl w/Labor     |        |
| Trench - Hand Dig                    | 1032 | Trench Rock Adder (in addition to units 1001-1029)          | ft    | Incl w/Labor     |        |
| Conduit - Place in Trench            | 1033 | Trench Rock Adder 12" Additional Depth                      | ft    | Incl w/Labor     |        |
| Select Backfill                      | 1034 | Bore, Rock Adder (per ft in addition to units 1083-1159)    | ft    | Incl w/Labor     |        |
| Bore < 300'                          | 1035 | Manhole Excavation-Rock                                     | sq ft | Incl w/Labor     |        |
| Bore 300' to 1000'                   | 1036 | Trench Frozen Ground Adder (in addition to units 1001-1029) | ft    | Incl w/Labor     |        |
| Bore > 1000'                         | 1037 | Pit Excavation-Rock   | sq ft | Incl w/Labor     |        |
| Existing Conduit/Duct Prep           |      |   |       |                  |        |
| Place Innderduct in Existing Conduit |      |   |       |                  |        |
| Conduit Plugs                        |      |   |       |                  |        |
| Pull Fiber Optic Cable (FOCA)        |      |   |       |                  |        |
| Pole Risers                          |      |   |       |                  |        |

This is where all labor tasks and material tasks are maintained for use throughout the application.

OK Cancel Apply

## Price List Editor

Export

Price List

10222018

MyList

new price list

RSA Test

Price Lists Editor

All Rows

Drag a column header and drop it here to group by that column

|   | Code       | Category | Sub Category         | Task              | Un   | CBD     | Suburban | Rural   | General |
|---|------------|----------|----------------------|-------------------|------|---------|----------|---------|---------|
| + | 1001       | U/G      | Trench < 300'        | 24" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 1003       | U/G      | Trench < 300'        | 36" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 1005       | U/G      | Trench < 300'        | 42" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 1007       | U/G      | Trench < 300'        | 48" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 1009       | U/G      | Trench < 300'        | 60" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 1011       | U/G      | Trench 300' to 1000' | 24" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 1013       | U/G      | Trench 300' to 1000' | 36" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 1015       | U/G      | Trench 300' to 1000' | 42" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 1017       | U/G      | Trench 300' to 1000' | 48" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 1019       | U/G      | Trench 300' to 1000' | 60" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 1021       | U/G      | Trench > 1000'       | 24" minimum cover | ft   | \$3.00  | \$0.00   | \$0.00  | \$0.00  |
| + | 10222018_A | Test Cat | Test Sub Cat         | Labor Foot        | ft   | \$1.50  | \$2.50   | \$3.50  | \$4.50  |
| + | 10222018_B | Test Cat | Test Sub Cat         | Material Foot     | ft   | \$5.50  | \$6.50   | \$7.50  | \$8.50  |
| + | 10222018_C | Test Cat | Test Sub Cat         | Labor Each        | Each | \$9.50  | \$10.50  | \$11.50 | \$12.50 |
| + | 10222018_D | Test Cat | Test Sub Cat         | Material Each     | Each | \$13.50 | \$14.50  | \$15.50 | \$16.50 |
| + | 10222018_E | Test Cat | Test Sub Cat         | Retire Test       | ft   | \$17.50 | \$18.50  | \$19.50 | \$20.50 |
| + | 1022       | U/G      | Trench > 1000'       | 26" minimum cover | ft   | \$2.00  | \$0.00   | \$0.00  | \$0.00  |

This is where prices are assigned to the tasks found in the Master Task List

OK

Cancel

Apply