

# **CPQ Configuration and Work Process**

Global Projects Unit



## Agenda slide

- General Data
  - General Data Input
- Configuration
  - Infield
  - Submain
  - Mainline
  - Head Control
  - Filtration
- Maps After Configuration
  - Final Maps Module
- Pricing and Output Document
  - Pricing
  - Output Document



## **General Data**



#### General Data Input

- ✓ In the General data input stage, the field's data is transformed into a format on which SPRINT can design the irrigation system by:
  - Shape of field transformation into a 'rectangle'
  - Adjustment of the rectangle to best fit actual field (rotate, move and adjust dimensions)
  - Determining several key locations
  - Supply line route
  - Contour line calculation
  - Maximum slope calculation
  - Row direction



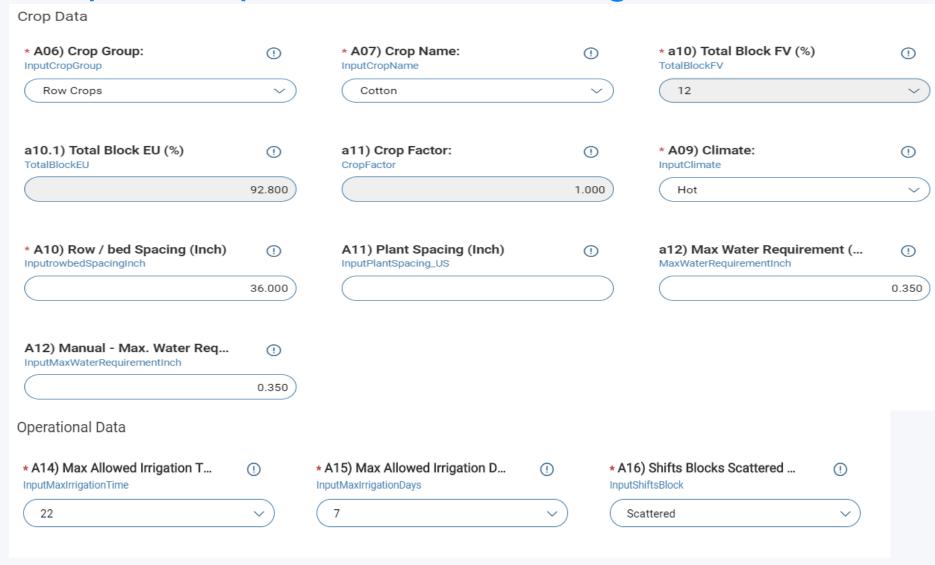


#### CPQ Configuration Type and Customer Data

CPQtype				
(!)	A03) Project / farm name: InputfarmName	(!)	A04) State: InputState	(!)
	Crazy Horse		Texas	
•	A05.1) Customer Gross Area ( Inputnetareamanual_US	(!)		
		17.000		
	(PQtype	() A03) Project / farm name: InputfarmName  Crazy Horse  () A05.1) Customer Gross Area (	() A03) Project / farm name: () InputfarmName  Crazy Horse  () A05.1) Customer Gross Area ( () Inputnetareamanual_US	Polype  Full GE' - Area data entry + area division  A03) Project / farm name: InputfarmName  Crazy Horse  Texas  I A05.1) Customer Gross Area ( Inputnetareamanual_US

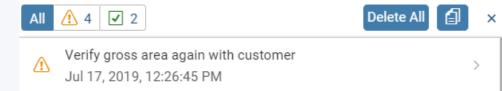


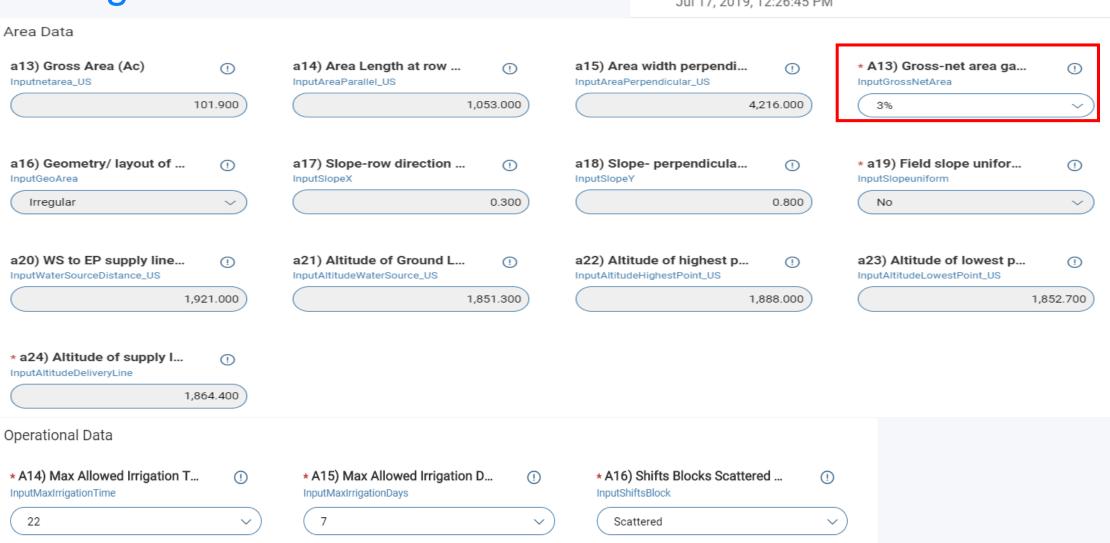
#### **Crop and Operation Data Configuration**





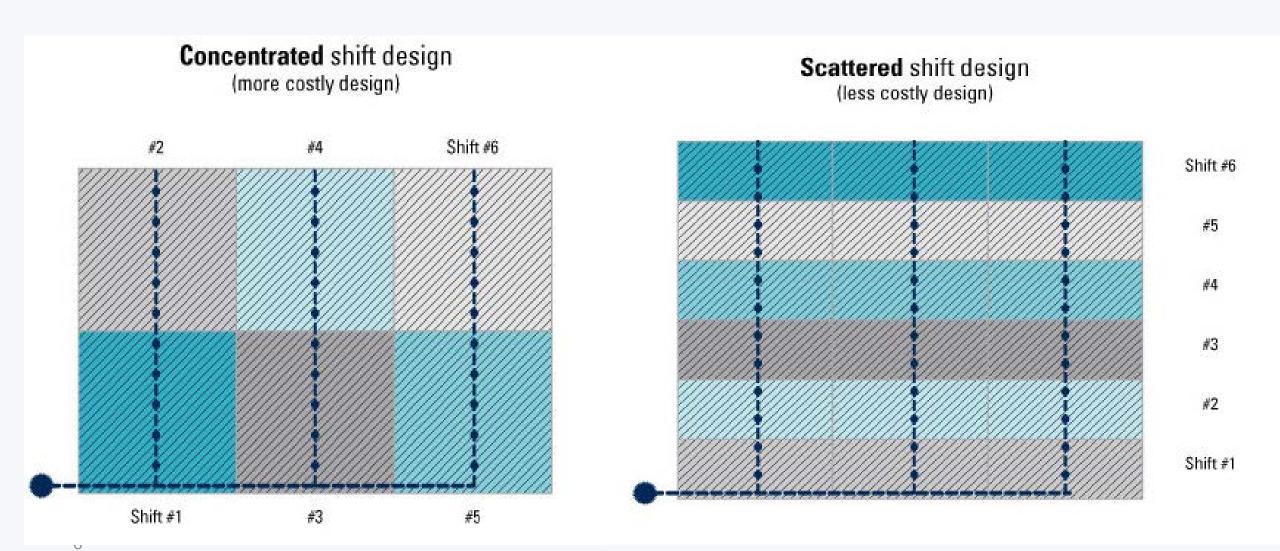
# Area and Operational Data Configuration







#### A16 Scattered or Concentrated Shift Design



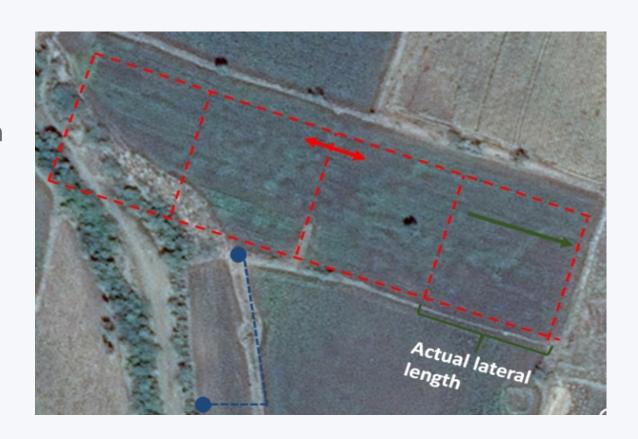


## Configuration



#### Infield

- In this section, the area is divided into 'cells' perpendicularly to the row direction
- The division is determined by the calculation of the actual lateral length
- ✓ Each 'cell' is irrigated by one Hydrant line
- The lateral and 'cell' length is based on:
  - Emitter selection
  - Submain and hydrant line location selection
  - ✓ EU / FV (flow variation) for NPC emitters (10% - 15% total block FV)
  - Allowed Head loss for PC emitters
  - Slope
  - Total length of the 'rectangle'



## Infield Configuration - Input



INFIELD					
* B01) Emitter Type InfieldLateralType  Integral DripperLine	* B02) Emitter PC / NPC InfieldLateralDescription  Non Pressure Compensated	0	* B03) Emitter/Lateral Na ① InfieldEmitterClassification  TYPHOON PLUS	InfieldLateralClass_US	D ~
* B05) Emitter Nominal Fl ① InfieldEmitterNominalFlowRate_US  0.16	* B06) Emitter spacing (in InfieldEmitterSpacing_US  24	① ~	B07) Manual Emitter spa ① InfieldEmitterSpacingManual_US	* B08) Number of Lateral InfieldnumberofLateralperBedRow  1.00	000
b14) Average lateral spac ①  AverageLateralSpacing_US  35.984	* B09) Dripline/ lateral inl InfieldBlockValvePressure  Manual	① ~	* B09.1) Dripline/ Lateral  InfieldBlockValvePressureManual  12.000	CalculatedBlockValvePressure_US	1000
b16.1) Required EU (%) CalculatedFlowVariationAuto_US  94.200	* B10) Location of subma InfieldSubmainLoc Side of block	0	* B11) Hydrant Lines to fe  Infielddirectionflowlateral  1 side	B12) Manual Actual real I Infieldrealaveragelengthlateral_US	D



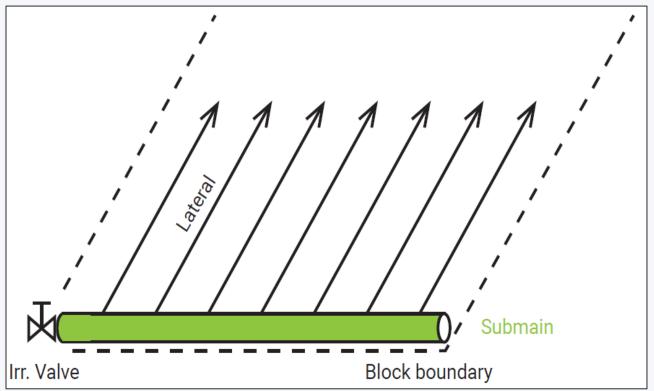
## Infield Configuration – Input with FV (next ver.)

✓ (KB Snapshot Version - 14)						
b14) Average lateral spacing (inch)  AverageLateralSpacing_US	0	◆ B09) Dripline/ lateral inlet pressure InfieldBlockValvePressure	0	b15) Dripline / Lateral inlet Pressure (psi) CalculatedBlockValvePressure_US	0	b16) Required flow variation at lateral (Auto) (%) CalculatedFlowVariationAuto
	60.000	Default/Middle	v		10.000	8
b16.1) Required EU (%) CalculatedFlowVariationAuto_US	•	* B10) Location of submain vs blocks	0	* B11) Hydrant Lines to feed Blocks on 1 side or 2 sides Infielddirectionflowlateral	•	B12) Manual Actual real lateral length (ft) Infieldrealaveragelengthlateral_US
	94.200	Side of block	<u>~</u>	1 side	~)	
b17) Theoretical length of Laterals (ft)	0	b18) Actual average lateral length (ft) ActualRealAverageLateralLengthDisplay_US	•	b19) Actual flow variation (FV) (%) ActualRealFlowVariation	0	b19.1) Actual real EU (%) Actual Real Flow Variation, US
6	1,210.615		1,135.157	6.0%		

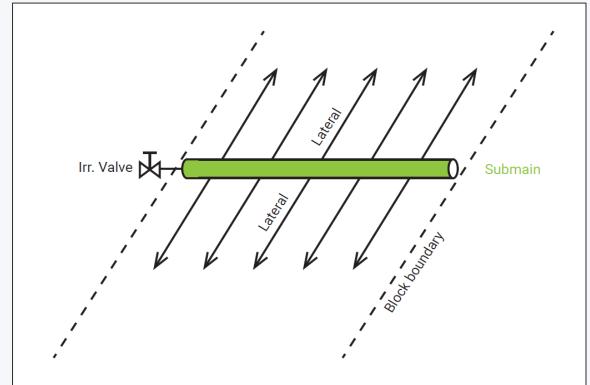


#### B10: Location of Submain vs. Block

#### **Side of Block** (when valve at side of block):

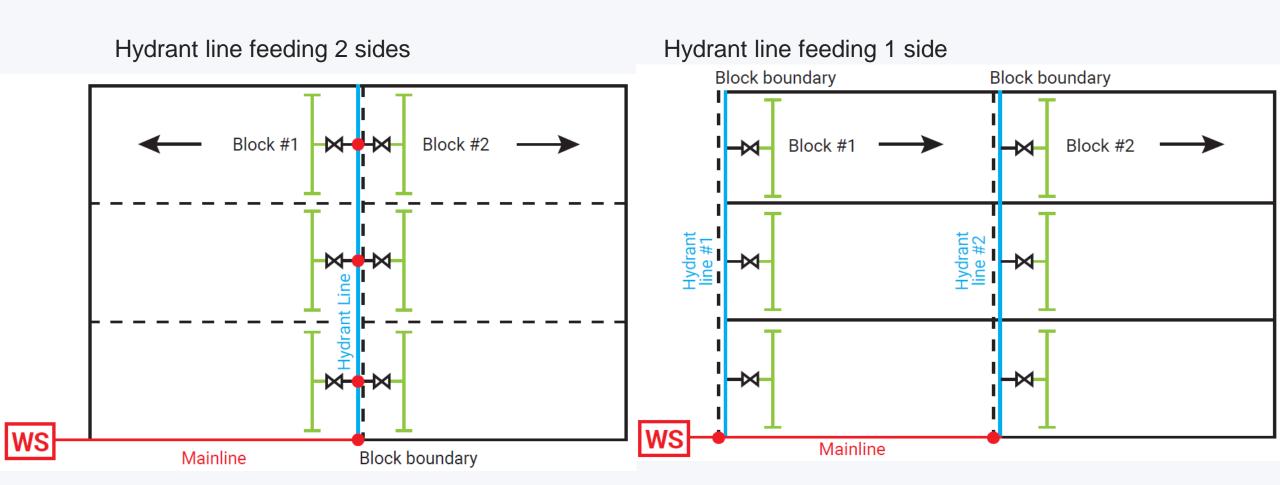


#### **Middle of Block** (when valve at side of block):





#### B11: Hydrant Lines Feeding 1 or 2 Sides



#### Infield - Output



- In addition, other parameters being calculated including:
  - Irrigation rate (mm/h)
  - Max flow rate per shift (M^3/h)
  - Number of shifts

b17) Theoretical length o...

b21) Application rate (inc...

b25) Total actual daily irri...

MaxII US

Duration of shifts and irrigation per day

(!)

(!)

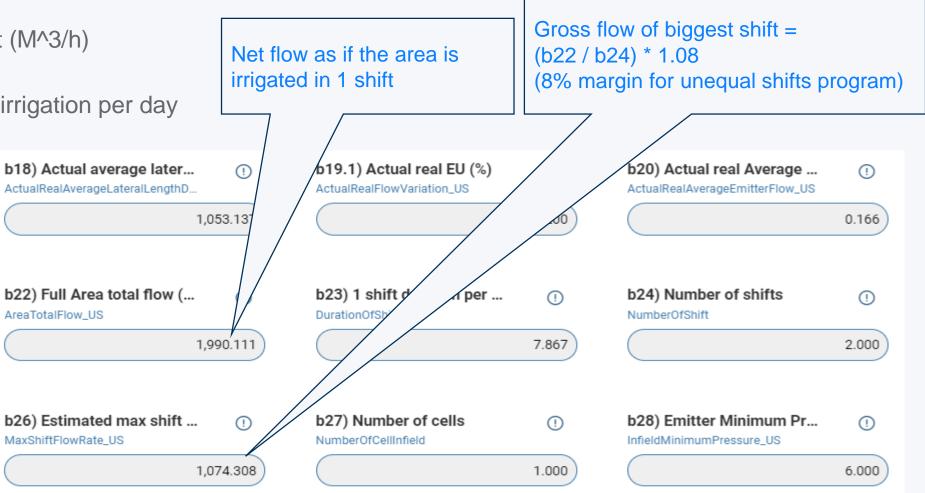
0.044

15.734

AreaTotalFlow\_US

MaxShiftFlowRate US

1,479.641



DailyIrrigationTime

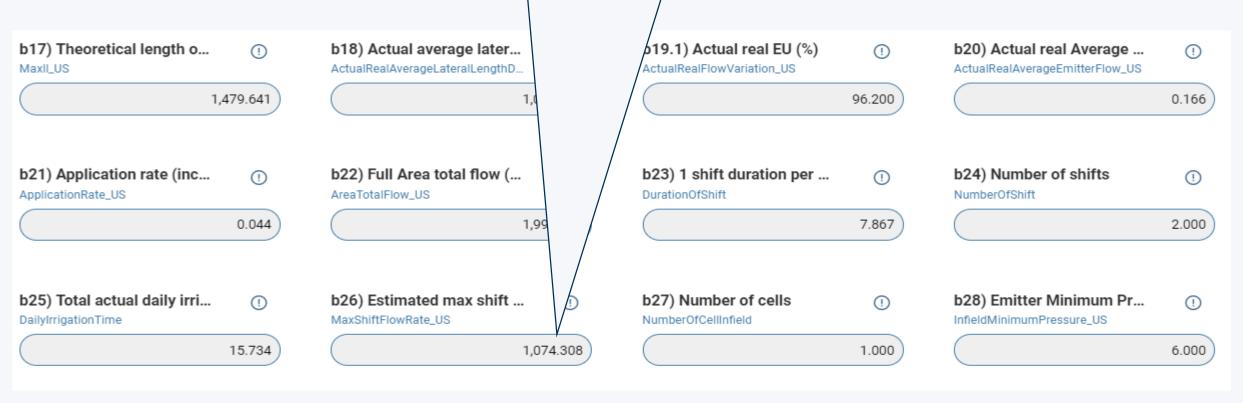
ApplicationRate\_US

#### Infield - Output

If area flow should be adjusted to fit existing limitations (well flow etc.) or user wish, there are few options for this:



- 1. Adjust Max. water requirement @ 'crop data' A12
- 2. Adjust irr. Hr per day @ 'operational Data' A14
- 3. For NPC Adjust Inlet pressure to dripline @ 'Infield' B09 & B09.1
- 4. For PC Adjust emitter flow or spacing @ 'Infield' B05 & B06



## Infield Configuration – Output



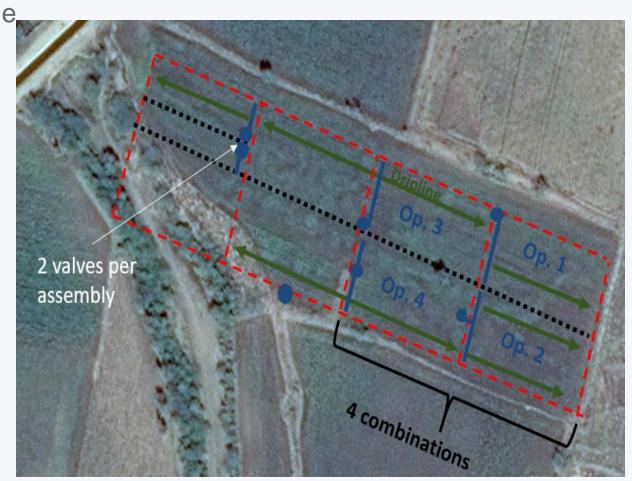
b29) Emitter Maximum Pr  InfieldMaximumPressure_US  22.000	b30) Max. required hl at I (!) HI_US 2.029	b32) Dripline CoilLength (  InfieldInlineCoilLength_US  3,600.000	b33) Total length of later (!) TotalLengthOfLateral_US  1,478,984.640
b34) Total No. of lateral's ①  TotalNumberOfLateralOutlets  1,430.000	b35) No. dripline coils or  QuantityEmitter  411.000	b36) No. of sprinklers sta () QuantityMisc 411.000	b37) Spr./Online No. of c  QuantityInfieldPipeClass
b38) No. of PE coils for o () QuantityInfieldPeTube  5.000	b39) No. of start connect ① QuantityInfieldStartConnector  1,510.000	b40) No. of lateral adapte (!) QuantityInfieldAdaptor  1,510.000	b41) No. of Barb Conn.  QuantityInfieldBarbConn  611.000



#### Submain and Irrigation Valves

In this section, the area is divided parallel to the row direction, creating the irrigation blocks

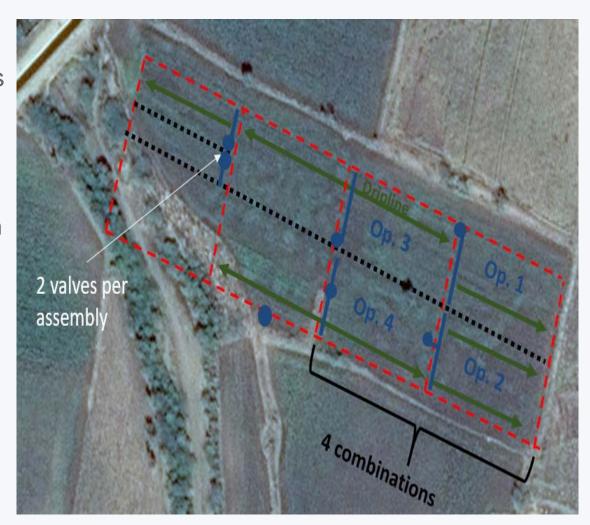
- Each block is controlled by a single valve
- The division is determined by the flow limit for the selected valve
- The number of valves (blocks) in the field is determined by:
  - Number of shifts (calculated in infield WBS)
  - Number of cells (calculated in infield WBS)
  - Shift scheme design (scattered or concentrated)
  - Additional parameters



#### Submain and Irrigation Valves



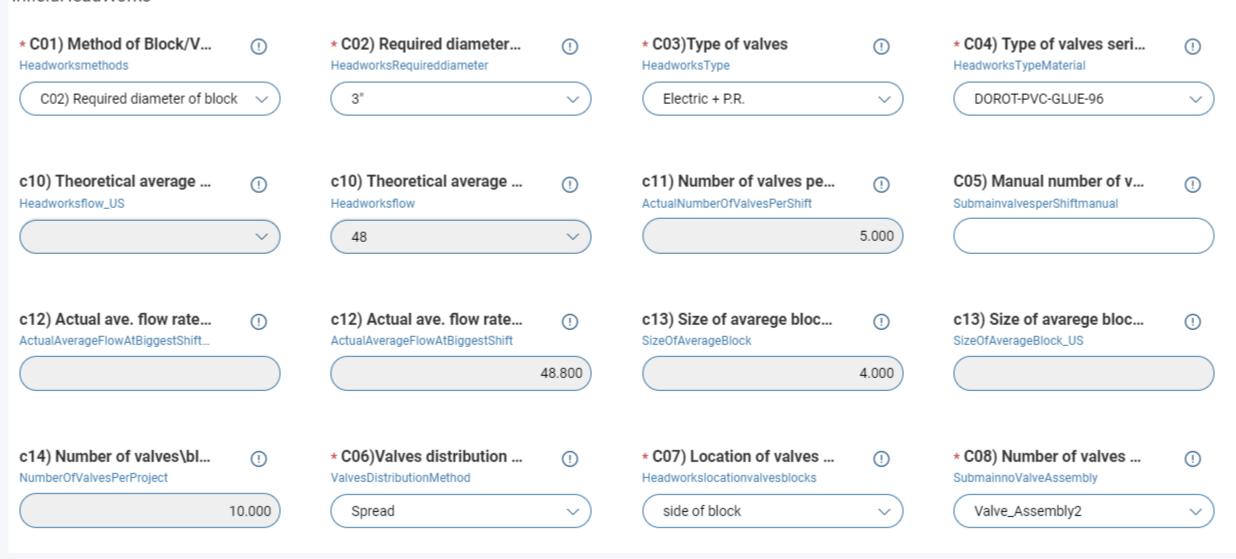
- Valves assembly method is selected 'spread' or 'cluster' (for US only).
- ✓ For 'clusters' method locations & number per Cell is selected
- For 'spread' method valve location along the submain and the number of valves per assembly are selected
- Hydraulic calculations are done to determine submain diameters (up to 3 diameters)
- ✓ For 'clusters' method calculations are done to determine length & HL for delivery lines to Submains (US only, for future use in other markets)
- This is determined by:
  - Submain flow & length
  - Submain pipe material selection
  - ✓ EU / Flow variation (for NPC emitters)
  - Allowed Head loss (for PC emitters)



## Irrigation Valve Configuration



#### InfieldHeadWorks



## Irrigation Valve Configuration



#### Optional C06 = Cluster:

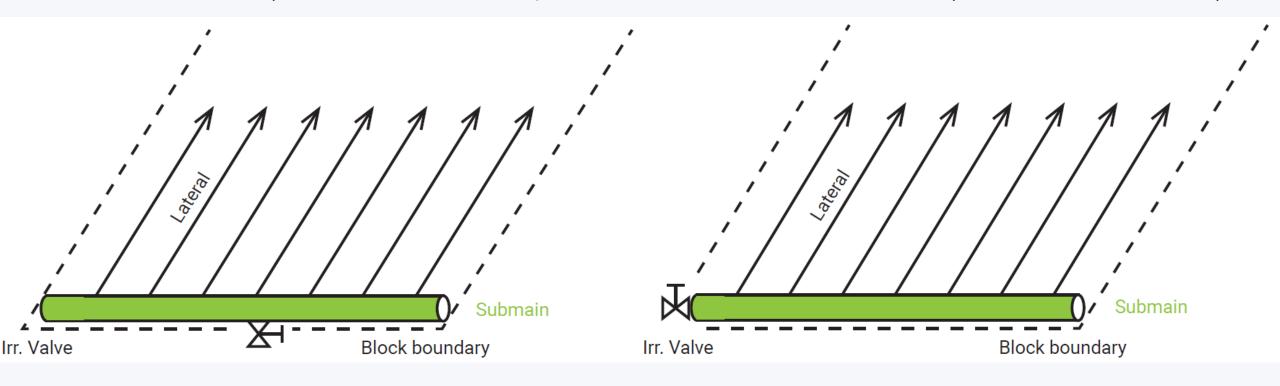
c14) Number of valves\bl NumberOfValvesPerProject	()	* C06)Valves distribution ValvesDistributionMethod	1	* C06.1)Valves clusters I ValvesClusterslocation	1	* C06.2)Number of cluste NumberofclustersperCell	()
	10.000	Cluster	<u>~</u>	Both corners and center of cells	V	2	<u> </u>
c15) Number of valves pe Numberofvalvesperclusterside	(1)	c16) Number of extra val  Numberoffreevalve	1	* C07) Location of valves Headworkslocationvalvesblocks	1		
	3.000		1.000	side of block	V		



#### C07: Location of Valves vs. Block

Middle of Block (for submain at side of block)

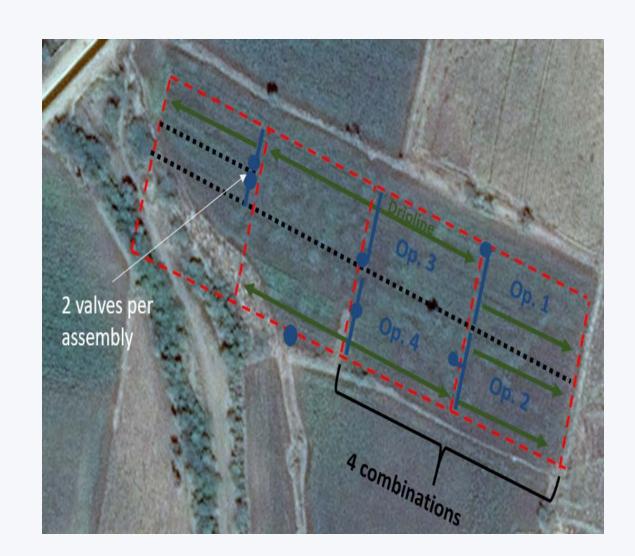
**Side of Block** (for submain at side of block)





## Submain and Irrigation Valves

- ✓ For 'spread' method valve location along the submain and the number of valves in each assembly are selected
- Hydraulic calculations are done as indicated previously and based on same parameters
- Selecting a drip irrigation system with flushing manifolds allows to configure the number and diameter of the flushing manifolds (for US only one FM & one diameter is automatically calc.)



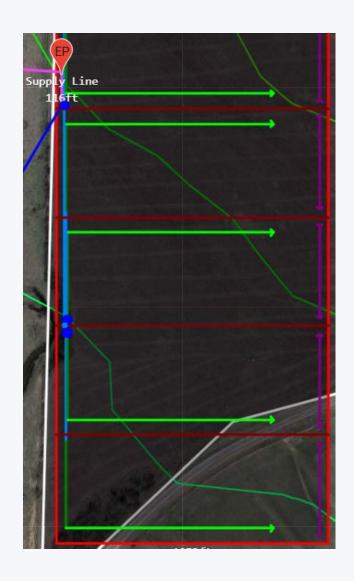


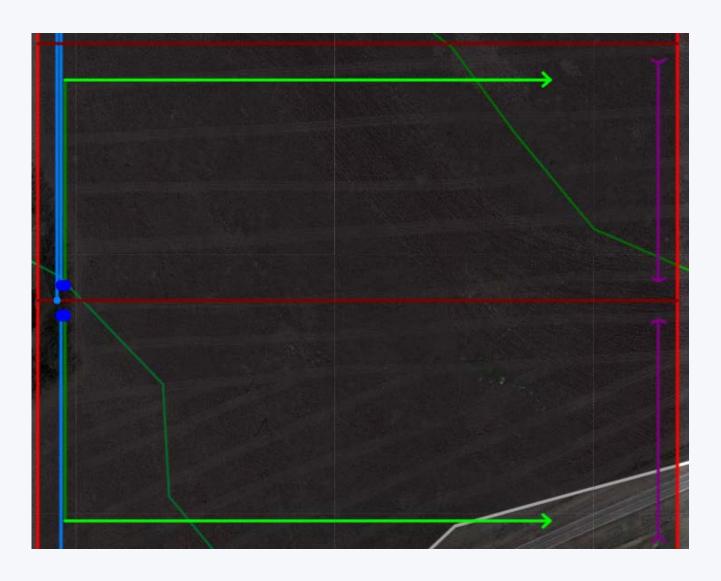
#### **Submain Pipes Configuration**

Submain			
D00) Location of submain (!) Submainlocationsubmainblocks	* D01) Type of Submains ① SubmainType	* D02) Type of drip system:  SubmainTypeDripsystem	d10) Submain flow per val ① SubmainQ_US
side of block	P.V.C glue type	subsurface drip WITH flushing sy 🗸	215.000
d11) Submain length per (!)  AverageLengthOfSubmainPerBloc	d13) Submain & 'Submain ① SubmainDmm1_US	d14) Actual Submain HL (   SubmainFV_US	d15) Actual Submain EU (   SubmainFvNpc_US
475.750	4.000	0.000	95.700
d15) Actual Submain FV (   SubmainFvNpc	D03) Manual method of s ① Submaininsertmanually	D03.1) manual submain d ① Submaindiameter1	D03.2) Manual submain d ① Submaindiameter2
4.000	(No V		

## 







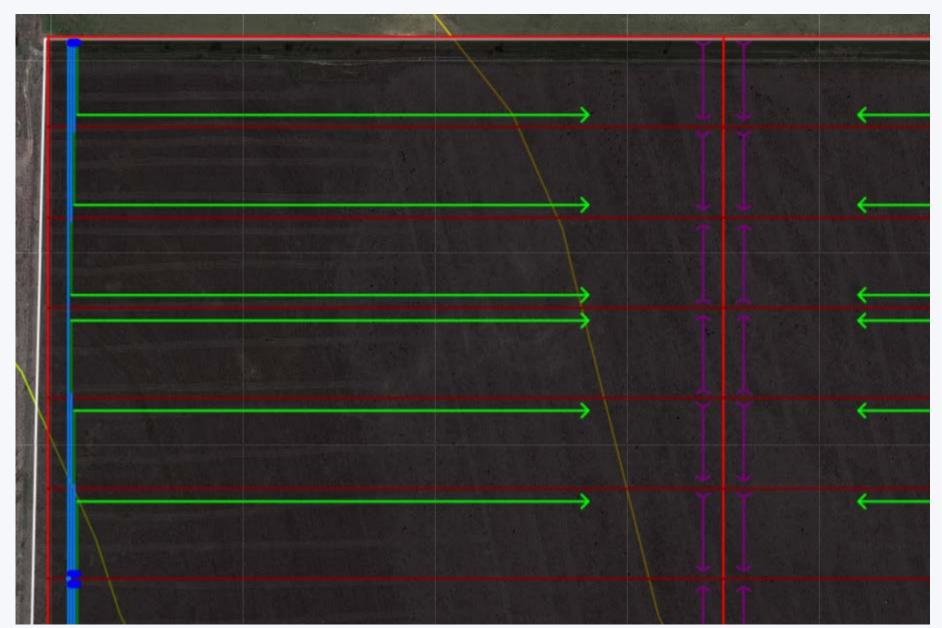


#### Flushing System Configuration

Manifold Flushing Cluster							
* Flushing Valves Distribut FlushingValvesDistributionMethod  Cluster	① ~	* Flushing Valves Clusters FlushingValvesClusterslocation  Center of cells	0	* Flushing clusters per Cell FlushingNumberofclustersperCell  3	0	Total extra flushing valves FlushingNumberoffreevalve	2.000
Flushing valves per cluste FlushingNumberofvalvespercluste	3.000						
D03.3) Manual submain d Submaindiameter3	①	d17) Length of FM per blo TotalLengthOfFlushingManifold_US	①	d19) FM & FD diameter (I FlushingManifoldDiameter_US	①	d20) Number of end lines NumberOfEndLinesPerBlock	144.000

#### Submain & SD + Flushing System layout sample







#### Flushing System Configuration

d21) Number of end lines TotalEndLine	(!)	d22) Size of flushing valve SizeOfFlushingValve	(!)	d23) Size of vacuum valve SizeOfVacuumValve	(1)	d24) Number of flushing/ TotalNumberOfFlushingValvesPer	(!)
1,	430.000		4.000		4.000		20.000
d05) Number of laterals p NoLateralPerSideOfBlock	(1)	* D05) Flushing assignme Submainflushingmanifold	1	d06) Number of laterals o NoLateralManifold	(1)	d07) Number of flushing NoAutoFlushingManifold	(!)
	141.000	Auto	<u> </u>		72.000		2.000
d22) Number of flushing/ NumberOfFlushingValvesPerBlock	①	Submain pipes selection SubmainAutoManualSelection	①				
	2.000	Auto Calculation	~				



#### Mainline

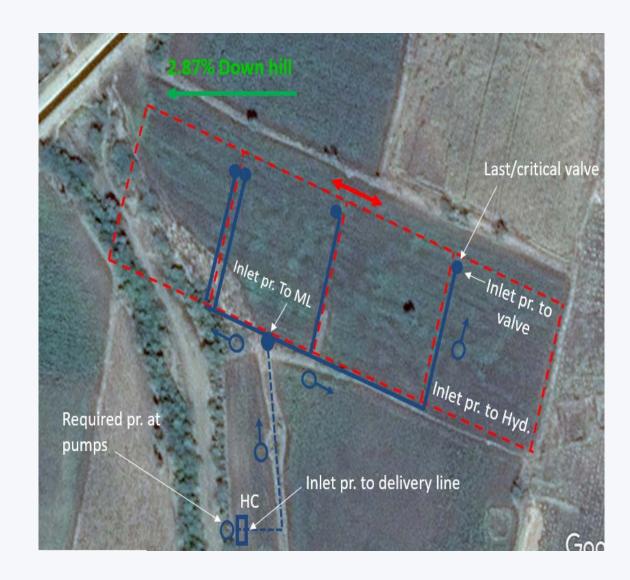
- In this section, the mainline pipe network is designed
- This pipe network is divided into 3 segments:
  - ✓ 1. Supply/delivery pipe (LO) From WS to EP
  - ✓ 2. Mainline (ML) parallel to row direction
  - ✓ 3. Hydrant line (Hyd) perpendicular to row direction, feeding all valves assemblies / clusters
- The system differentiates between 2 scenarios:
  - WS is inside the field
  - WS is outside the field
- ✓ Pipe material and Min. pipe Class (E01, E02) are selected; if SPRINT determines that a higher class is needed then it will design accordingly





#### Mainline

- User can select to have isolation valves @ E03
   (1 valve per each Hydrant line / Cell)
- ✓ For specific conditions, selection of Hydrant line location is available to allow flexibility of layout (field E04)
- ✓ The calculation starts from the critical valve backwards until the water source adding the head losses and topographic gain / loss along the route (up to 2 m/s Max. Velocity)
- Max. hydraulic gradient for initial calculations is based on DP between driplines inlet pressure and ('pipe class') \* 0.95
- ✓ The inlet pressure to the delivery line (e07.0) will be used in the following WBS's



## Mainline – Input



Ма	inline	
1	* E01) Type of main line:  MainLineType	PVC
1	* E02) Min. Class of main line MainLineClass_US	100
1	E03) Hydrant lines to have isolation valves  MainLineisolationvalves	No
1	* E04) Hydrant Line Location  MainLineHydrantLineLocation	Topography
•	e07.0) Main line inlet pressure (psi) MainLineInletPressure_US	42.780

#### Mainline - Output



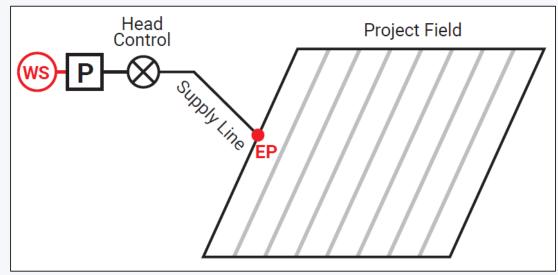
Maninic	Output		
Main Line Calculation		e13.7) ML Secondary Filter HI (m)  MISecondaryFilterHI	
e07.1) Number of blocks per project     MainLineNumberBlock	10.000	(1) e13.8) Submain HL (psi) MISubmainHI_US	6.035
e07.4) Block length parallel to laterals (ft)  MainLineBlockLength_US	1,053.201	e14) Valve assembly HL (psi)  MIValveHI_US	5.000
e07.6) Block width perpendicular to lateral  MainLineBlockWidth_US	421.625	e09.6) Virtual Lateral Length:     MainLineE19_US	1,053.201
e07.9) Block Ave. flow rate (gpm)  MainlineAvgFlowRate_US	199.016	Highest Valve     HighestValve	O <sub>Ox</sub>
e08.8) mainLine Booster required?  MainLineBooster	NO	Total length of cable needed     TotalLengthofCable	Configuration  Configuration
e10.4) real number of blocks in 1 cell	10.000	Distance of EP to furthest valve     DistanceEPtofurthestvalve	
MainLineE30		! Lowest Valve LowestValve	
e12.3) Required Mainline Hyd. Gradyent (D  MainLineJreq	0.047		



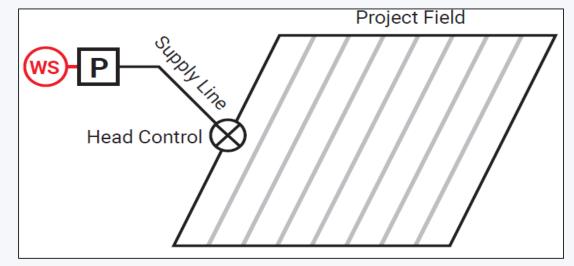
#### **Head Control**

- The head control can be located adjacent to the pump station or away from it
- ✓ If a booster is required due to high inlet pressure to Mainline (H<sub>in</sub>>80 M), it will be located by default on the downstream side of Head Control (can be moved in detailed design).
- Head control includes manifolds (only PVC for US), water meter, air valves etc. in one SDBOM
- Head control includes main valve as per user selection
- Primary filtration and fertigation is located at HC and for the US Secondary filtration as well.

#### HC adjacent



#### HC away





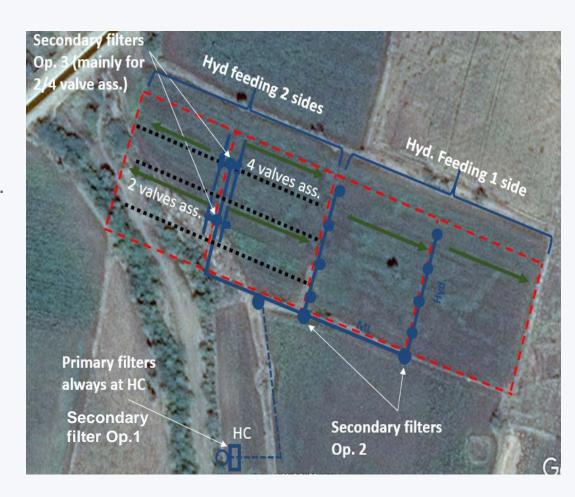
#### Head Control Configuration

#### **HEADCONTROL** \* G01) HeadControl Location vs Watersou... Adjacent to pump station **HCLocation** \* G02) Head Control type: Regular Head Control mounted on site **HCType** \* G04) Regular HC Diameter Config. Method Automatic **HCDiameter** G06) Type of main valve: Electric +P.R./P.S. pilot **HCMainValve** \* G07) Type HC manifolds PVC class 10 manifolds **HCManifold** g08) Head Control Diameter (Inch) hc\_manual\_8inch HeadControlDiameter

#### **Filtration**



- There are 2 filtration levels: Primary and Secondary
- There are 2 water quality levels: 'poor' and 'moderate'
- There are 3 types of filters: 'Auto', 'Semi auto' and 'manual'.
   All types can be selected for both Primary & Secondary
- Primary filters include either Hydro cyclone, or media filter (Sand Storm), or discs filter (Arkal), or screen filter (not for US).
- Secondary filters include either media filter Sand Storm (for US only), or discs filter (Arkal), or screen filter (ScreenGuard).
- Automatic selection of the filters is based on flow limit values which appears in the database for each level of water quality
- Secondary filters can be located in 3 different configurations:
  - At HC, right after the primary filter (this is the only option for US)
  - Beginning of each hydrant line
  - At valve clusters / assemblies



#### Filtration Configuration - Input

At down stream end of head control



1	* I01) Type of primary filtration required: FTrequired	MEDIA / GRAVEL FILTERS	<u>~</u>	$\sim$	* I11) Method of Secondary filtration sele FTsecondaryfilterselection	Auto select V
•	* I02) Manufacturer of primary filtration r FTmanufactured	SANDSTORM	<u>~</u>	_	* I12) Manufacturer of secondary filtratio FTsecondaymanufactured	SANDSTORM
1	IO3) Type of water source: FTTypeWatersource	Lake / reservoir	<u>~</u>	_	I14) Model of secondary filters/filter batt FTsecdescriptionauto	
1	* I04) Method of Primary filtration selecti FTprimaryselection	Automatic selection method	<u>~</u>	$\sim$	i16) Primary Filtration Flow Rate (gpm) FilterMaxShiftFlowRate_US	990.675
1	* I05) Water quality for primary filtration d FTwaterquality	Moderate	<u>~</u>	_	i17) Secondary Filtration Flow Rate AutoFiltrationFlow_US	
•	I06) Backflush control system: FTBackflush	Filters backflushed by dedicated Filtration sys	<u>~</u>			
(!)	* I09) Type of Secondary (backup) filters	Secondary Gravel Filter	~)			

FTbackupfilterrequired

FTlocationbackupfilter

(1) \* I10) Location of backup filters:

# Fertigation



FERTIGATION			
* 103) Type of Fertilizer Fertigationtype  103.1 - Guided selection mo	* 103a) Type of Fertilize Fertigationsystem  103.5 - Multiple channel sys	* 103b) Type of Fertiliz  Fertigationsystemelectric  103.6 - Electricity available 8	* 103c) Allowed head Io Fertigationallowedheadloss
* 103d) Level of Fertiliz Fertigationfertilizerautomation	* 103e) Solid Fertilizer Fertigationmixing  None	* 103.2.8) Guided Mode Fertigationfertikit3Gguided	* If Mainline Inlet Press MainInletPressureabovebelow  Above 60
Mainline Inlet Pressure   FertigationMaininletpressure			

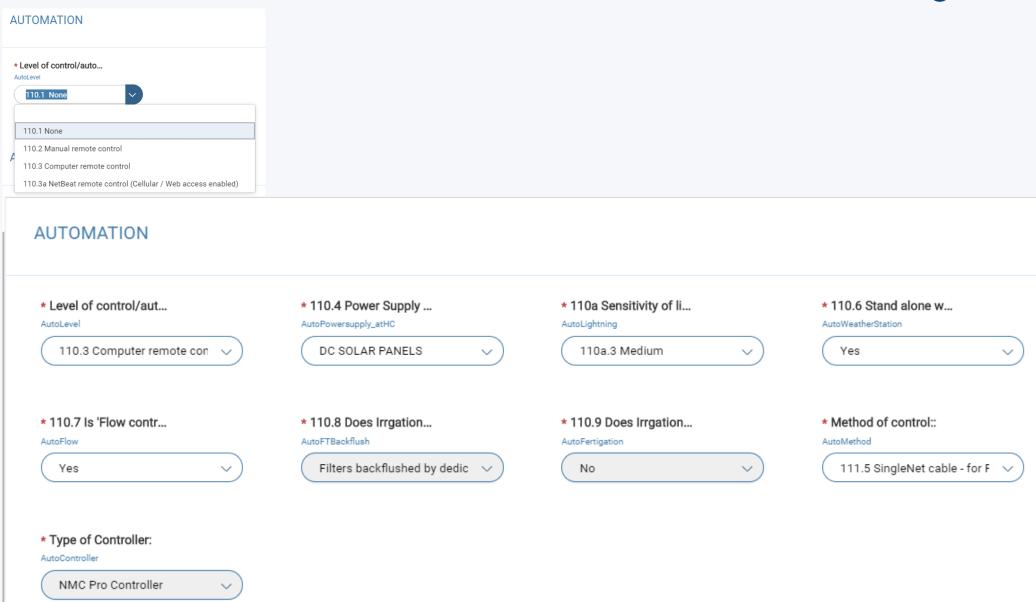
# **Pumping**



* J01) Pumping statio  PSPumpRequired  yes	* J02) Number of pu  PSIdenticalPump  2.000	* J02.1) Backup pum  PSbackupPump  Required	* J03.1) Include pump  PSpumpswitchincluded  yes
* J03) Type of pumps:  PStypepumps  Submersible - 2900 RPM	* J04) Pump inlet con  PSpumpinletcondition  Gravity Feed	* J06) Type of deliver  PSdeliverysetmanifolds  PVC class 10	* J07) Type of downst  PStypepumpsvalve  Manual Butterfly valve
* J08) Type of NRV:  PSNRV  plastic (Regev) - up to 10"	J9) Flow (per unit) at PsPumpFlow 65.000	J10) Est. pump head PsEstimatedHead 76.000	J11) Est. power requir  PsEstimatedPower  22.000

### Automation







# Maps After Configuration

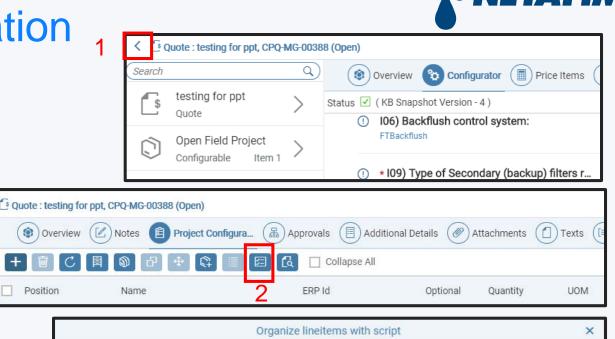
### Maps Module After Configuration

**NETAFIM**™

To run the Mainline script do the following:

- 1. Click on arrow to exit the configuration screen to the BOM
- 2. Click on Organize lineitems with script
- 3. Click Next
- 4. Review the results and click Accept in order to receive the correct Submain and Mainline Bill of Materials and hydraulic calculations

If this process is not done at the end of any change to one or more fields of the configuration, the hydraulic calculations and BOM will be incorrect!



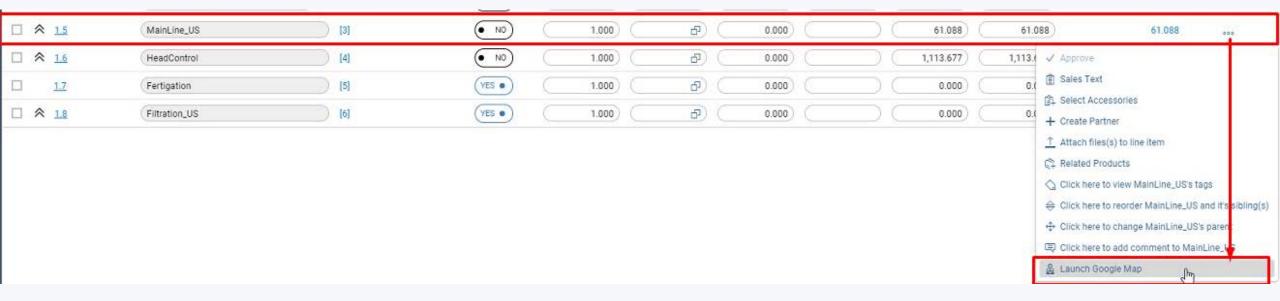


1.2	Submain 0	DLD	1
1.2.1	AccessorySubmain C	DLD	22
1.2.2	Submain Delivery Pipes N	IEW	1
1.2.2.1	PVC PIPE IPS 100PSI RD41	IEW	177
			Close Accept



### Maps Module After Configuration (2)

✓ To open the maps module go to the Mainline menu in the project configuration and click on Launch Google Map







- After completing the configuration, the system updates the map accordingly with the following elements:
  - Mainline isolation valves
  - Secondary filters location
  - Head control
  - Pumping station



### Maps Module After Configuration (4)

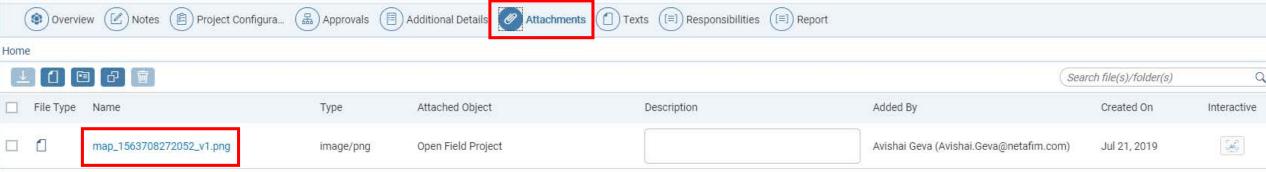
- ✓ The user should zoom in on the map to verify valves & piping specifications (supply line, mainline, hydrant lines, valve clusters, submain, and flushing) in order to verify that the configuration layout reflects his wish
- By pressing on any piping section in map, in depth data on pressure, velocity etc. can be seen
  - 1. Zoom In
  - 2. Locate the mouse on the requested pipe
  - 3. Once the hand icon appears click in order to see the pipe spec bubble



### Saving the Map's Screenshot

- After completing the process on the Gmap, click Save (1)
- After that, click on Take Screenshot (2) and click Submit on the screen that pops up.
- This will attach an image of the map to the end of the output document
- To view the map's image, click on the Attachments tab and download it







# **BOM Calculations**and Creation

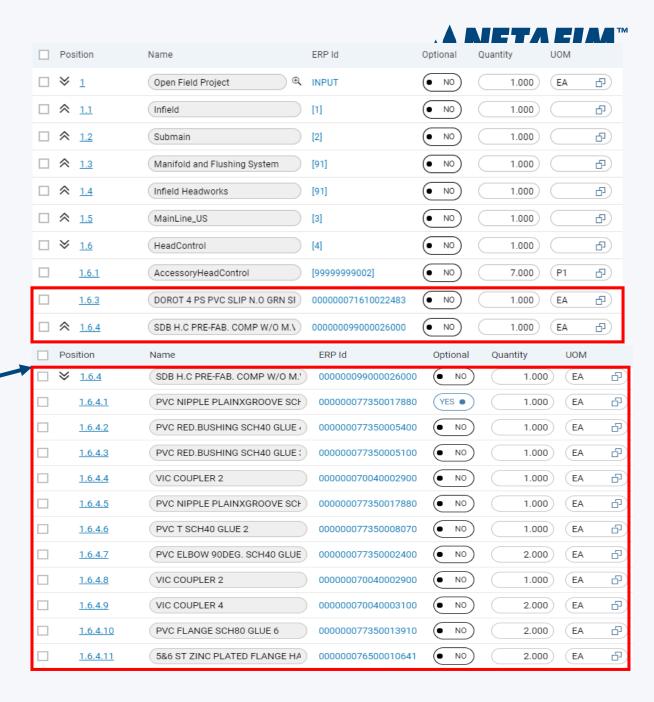


# Flushing Delivery Piping Calculations

<u>1.3.4</u>	Flushing Delivery Pipes	FLUSHING_DELIVERY_PIPES	● NO	1.00	0)
<u>1.3.4.1</u>	PVC PIPE IPS 160PSI RD26 GLUE 2 20FT	000000077340006401	● NO	882.00	0)
<u>1.4</u>	Infield Headworks	[91]	■ NO	1.00	0)

### **Head Control**

- 1.6.3 is the main valve
- ✓ 1.6.4 is the head control assembly (start with 99000-XXXXX) that includes all head control components as decided by the BU
- User will be able to see the assembly only after pricing is done
- SDBOM example





### **Filtration**

- The BOM includes both primary and secondary filtration
- Primary filtration can include additional products (in this case 1.8.1 Sedimentation Tank)
- Primary Filtration Flow Rate (m^3/h or gpm) is based on Max shift flow rate (calculated in Infield b26)
- The system provides the filter that fits requirements
- ✓ The location of the secondary filter determines the flow rate (I10 location of backup filter). The system will provide that filter that fits these requirements

☐ Po	sition	Name	ERP Id	Optional	Quantity	UOM	
	<u>1.2</u>	Submain	[2]	<ul><li>N0</li></ul>	1.00	0)	D)
	<u>1.3</u>	Manifold and Flushing System	[91]	<ul><li>N0</li></ul>	1.00	0	<u>D</u>
	<u>1.4</u>	Infield Headworks	[91]	<ul><li>N0</li></ul>	1.00	0	<u>D</u>
	<u>1.5</u>	MainLine_US	[3]	<ul><li>N0</li></ul>	1.00	0	<u>D</u>
	<u>1.6</u>	HeadControl	[4]	<ul><li>N0</li></ul>	1.00	0	<u>D</u>
	<u>1.7</u>	Fertigation	[5]	<ul><li>N0</li></ul>	1.00	0	ð
□ <b>×</b>	<u>1.8</u>	Filtration_US	[6]	● N0	1.00	0)	G)
	<u>1.8.1</u>	SEDIMENTATION TANK 2.5 GAL $\varepsilon$	000000072001007200	<ul><li>N0</li></ul>	2.00	0 (EA	<u>D</u>
	1.8.2	SM MEDIA FILTER SYS 24X3 DC S	000000071950001430	<ul><li>N0</li></ul>	1.00	0 (EA	<u>D</u>
	1.8.3	SCREEN FILTER 4" GR 120 MESH	000000072001010500	<ul><li>N0</li></ul>	1.00	0 (EA	<u>-</u>
	<u>1.8.4</u>	HCYCLN 8"*3" GR W/3" GR BOTTC	000000072001002900	<ul><li>N0</li></ul>	2.00	0 (EA	<u>D</u>
	<u>1.8.5</u>	Accessory Filtration	[99999999001]	● N0	7.00	0 (P1	ď

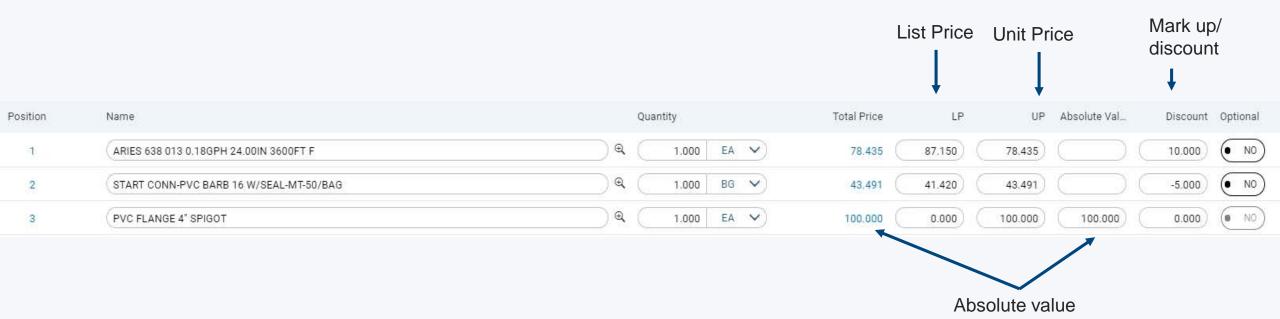


# Pricing and Output Document



## **Pricing Functionality**

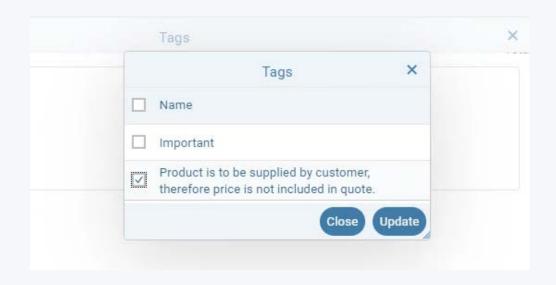
- List Price is based on dealer prices in Netafim's SAP and are updated based the discount agreement with each dealer
- Users can add mark up, discounts on product, WBS and entire project level
- Users can use the absolute value to override the list price or to use it whenever a price is missing
- User will be able to see the assembly only after pricing is done

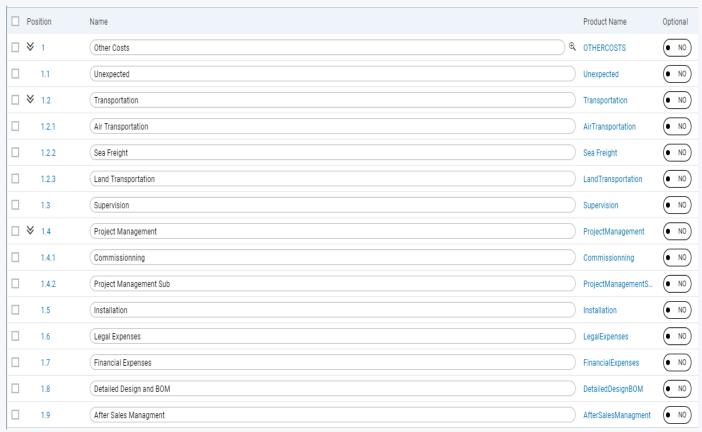




# Pricing Functionality (2)

- When a product is not supplied by Netafim or the dealer this can be modified from the tags
- Other costs such as shipping, supervision and unexpected costs can also be added







### Output Document

The output document can be generated from the configuration screen

For more information on how to generate the output document <u>click here</u>

#### **PROPOSAL FOR**

Diversity\_D

Project No. EG-US18 - v2

Sweet Corn



Prepared by: Netafim LTD 28. April 2019



#### Disclaimer

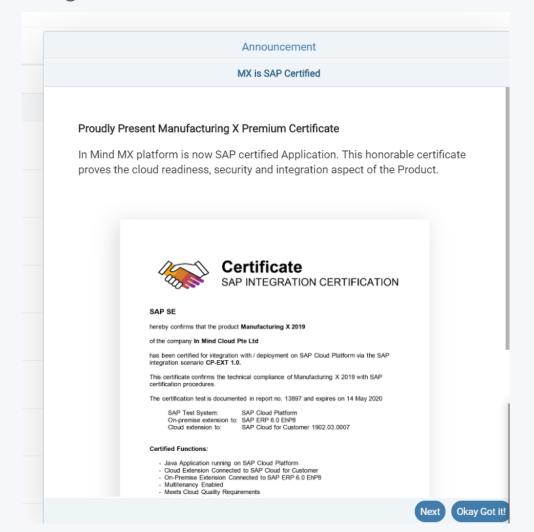
These materials contain confidential information. The disclosure of any of the information contained herein or supplied in connection herewith or the use hereof for any purpose except with the prior written consent of Netafim is prohibited. These materials may not be reproduced in whole or in part without prior written consent. All information contained herein is provided on an as is basis. Netafim makes no warranties or representations of whatsoever kind, whether express or implied, regarding the accuracy and/or completeness of the information. The disclosure of information or his use hereunder shall not be construed in any way to grant any right or license with respect to information. These materials may contain certain forward-looking statements that are not purely historical in nature. Such information may include, for example, business plans and strategies, projects under development, competitive position, growth opportunities, managements plans and objectives and predictions of future operating results, and other matters relating to Netafim. The forward-looking information contained herein is based upon certain assumptions about future events or conditions and is intended only to illustrate hypothetical results under those assumptions (not all of which will be specified herein). Actual events or conditions are unlikely to be consistent with, and may differ materially from, those assumed. In addition, not all relevant events or conditions may have been considered in developing such assumptions. Accordingly, actual results will vary and the variations may be material and adverse



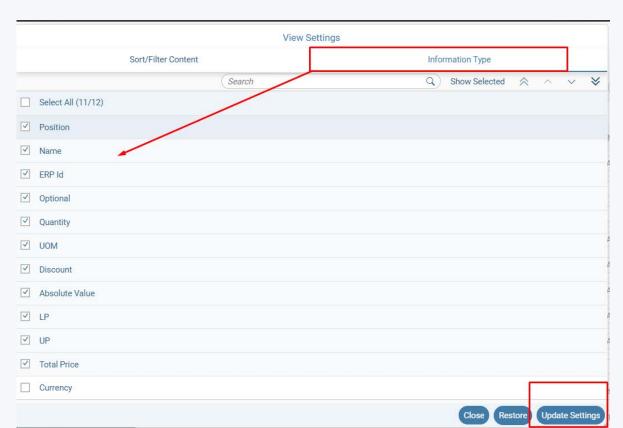
- Don't touch the Esc Button
- On the Area data tab verify that your map data are correct
- Don't use the **Delete** option in "Open Field Project" WBS
- Don't forget to look over the Alerts messages menu
- When the Open Field line item showing without WBS's list
  - Don't save
  - Log out
  - Open new incognito tab
  - Start again
- Save after each WBS's
- If the pricing didn't work
  - Look for the alert message bar
  - Find the problematic SKU's (maybe more than 1)
  - Use the "Option" button end eliminate this item
- Review over your BOM at the end of the process
- Report to the support on any bug, don't forgot to mention CPQ id

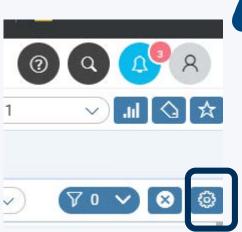


- When Open the system used -new incognito tab
- The following sign will appear



- Press the "Setting" the configuration screen
- Choose what do you want to see on the screen
- Press Update Setting





**► NETAFIM** 



- Press the "X" button
- "Click here to clear browser cash"

