

B919 OWS Install Isolation Valve

Project Scope: Install isolation valve in inlet piping of B919 oil water separator.

Division Summary (MF04)

01 - General Requirements
02 - Existing Conditions
03 - Concrete
04 - Masonry
05 - Metals
06 - Wood, Plastics, and Composites
07 - Thermal and Moisture Protection
08 - Openings
09 - Finishes
10 - Specialties
11 - Equipment
12 - Furnishings
13 - Special Construction
14 - Conveying Equipment
21 - Fire Suppression
22 - Plumbing
23 - Heating, Ventilating, and Air-Conditioning (HVAC)
25 - Integrated Automation

26 - Electrical
27 - Communications
28 - Electronic Safety and Security
31 - Earthwork
32 - Exterior Improvements
33 - Utilities
34 - Transportation
35 - Waterway and Marine Transportation
41 - Material Processing and Handling Equipment
44 - Pollution Control Equipment
46 - Water and Wastewater Equipment
48 - Electric Power Generation
Alternate
Trades
Assemblies
FMR
MF04 Total (Without totalling components)

Totalling Components

RSMeans NIAGARA FALLS, NY CCI
Nonpriced Line Items

Priced Line Items
COEFFICIENT (XX.XXX%)

Material, Labor, and Equipment Totals (No Totalling Components)

Priced/Non-Priced

Material:
Labor:
Equipment:
Other:
Laborhours:
Green Line Items:0

Total Priced Items:
Total Non-Priced Items:

Grand Total

Totalling Component Details

Description	Item Count	Applicable Amount	Applied Amount	Applied Result	Balance
RSMeans NIAGARA FALLS, NY CCI					
Included in Total: Yes					
Type:RSMeans CCI (Project Level)					
RSMeans NIAGARA FALLS, NY CCI					
ZIP:143					
Subtotal based on 1 items: "Priced Line Items"					
Nonpriced Line Items					
Included in Total: Yes					
Type:Total, Master Format Type: MF04					
Values:Total					
Includes: Non Priced					
Filtering: (none)					
Priced Line Items					
Included in Total: Yes					
Type:Total, Master Format Type: MF04					
Values:Total					
Includes: Priced					
Filtering: (none)					
COEFFICIENT					
Included in Total: Yes					
Type:Percentage (Project Level)					

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Item	Description	UM	Quantity	Unit Cost	Total	Book
01 - General Requirements						
1	01-11-31-30-1100	Engineering fees, mechanical (plumbing & HVAC), maximum				Contract
2	01-21-53-50-2350-L	Cost adjustment factors, temporary shoring and bracing, add to construction costs for particular job requirements, maximum				Costs
3	01-21-53-60-0120-L	Cost adjustment factors, additional costs due to security requirements, daily search of personnel, supplies, equipment and vehicles, daily, physical search, inventory, and documentation of assets, entry				Costs
4	01-31-13-20-0160	Field personnel, general purpose laborer, average				Week
5	01-31-13-20-0200	Field personnel, project manager, average				Week
6	01-41-26-50-0020	Permits rule of thumb, most cities, minimum				Job
7	01-45-23-50-7520	Underground storage tank, volumetric tightness test, <=12,000 gal				Ea.
8	01-54-33-10-0400-3	Rent per week for rent bucket concrete lightweight 1.5 CY				Ea.
9	01-54-33-10-2000-3	Rent per week for rent mixer power mortar&concrete gas 16 CF				Ea.
10	01-54-33-10-2120-1	Hourly operating cost for rent pump concrete truck mounted 4"line 80'boom				Ea.
11	01-54-33-20-0470-3	Rent per week for rent backhoe-loader wheel type 112 HP, 1-1/2 CY capacity				Ea.
12	01-54-33-20-1300-2	Rent per day for rent vibratory plate compactor gas 18" plate 3000 lb blow				Ea.
13	01-54-33-20-3050-2	Rent per day for rent roller, vibratory, tandem, smooth drum, 35 H.P.				Ea.
14	01-54-33-40-3300-4	Rent per month for rent extension ladder 16'-36'long				Ea.
15	01-54-33-50-4901-4	Rent per month for highway equipment rental, 75 ton low bed trailer				Ea.
01 - General Requirements Total						
02 - Existing Conditions						
16	02-41-13-23-2900	Utility removal, pipe, sewer/water, 12" diameter, remove, excludes excavation, hauling				L.F.
17	02-41-13-36-0100	Selective demolition, utility valves & accessories, utility valves, 4"-12", excludes excavation				Ea.
02 - Existing Conditions Total						

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Item	Description	UM	Quantity	Unit Cost	Total	Book
22 - Plumbing						
18	22-11-13-76-2660	Coupling, plastic, PVC, socket joint, 10", schedule 80	Ea.			
19	22-11-13-76-9817	Pipe clamp for suspension, plastic, polypropylene, 10"	Ea.			
22 - Plumbing Total						
31 - Earthwork						
20	31-05-16-10-0610	Aggregate for earthwork, select structural fill, includes load at pit and haul, 10 miles round trip, excludes compaction	L.C.Y.			
21	31-23-23-13-2200	Backfill, trench, 6" to 12" lifts, dozer backfilling, compaction with vibrating roller	B.C.Y.			
22	31-23-23-14-1000	Backfill, structural, common earth, 55 HP wheeled loader, 50' haul, excludes compaction	L.C.Y.			
31 - Earthwork Total						
32 - Exterior Improvements						
23	32-92-19-14-5200	Seeding athletic fields, seeding utility mix, 7 lb. per M.S.F., push spreader	M.S.F.			
32 - Exterior Improvements Total						
33 - Utilities						
24	33-14-19-20-9060	Water utility distribution valve, gate valve, N.R.S. post type, with rubber gaskets, 10" diameter, includes indicator post, excludes excavation and backfill	Ea.			
25	33-31-11-20-3060	Public sanitary utility sewerage piping, piping HDPE Corrugated Type S with watertight gaskets, 10" diameter, excludes excavation or backfill	L.F.			
33 - Utilities Total						
Estimate Grand Total						