



February 02, 2016

CUST ID No. 1339083

ATTN: Plumbing Inspector

COREY GIBSON
WATER CARE SERVICES
308 WINTER AVE
ELMWOOD WI 54740

MUNICIPAL CLERK
VILLAGE OF ROBERTS
107 E MAPLE ST
ROBERTS WI 54023-9703

**CONDITIONAL APPROVAL
PLAN APPROVAL EXPIRES: 02/02/2018**

Identification Numbers
Transaction ID No. 2651567
Site ID No. 169879
Please refer to both identification numbers, above, in all correspondence with the agency.

SITE:

County Materials Corp
1203 70TH Ave
Village of Roberts, 54023
St Croix County; Fire Dept ID: 5506
NE1/4, NW1/4, S34, T29N, R18W

FOR:

Facility: 757180 COUNTY MATERIALS CORP READY MIX SHOP
1203 70TH AVE
ROBERTS 54023
Plan Type: Addition-Alteration; 1 Interior Fixture(s)

Object Type: Commercial Water Treatment Device Regulated Object ID No.: 1581687

The submittal described above has been reviewed for conformance with applicable Wisconsin Administrative Codes and Wisconsin Statutes. The submittal has been **CONDITIONALLY APPROVED**. The owner, as defined in chapter 101.01(10), Wisconsin Statutes, is responsible for compliance with all code requirements.

No person may engage in or work at plumbing in the state unless licensed to do so by the Department per s.145.06, stats.

The following conditions shall be met during construction or installation and prior to occupancy or use:

- This POU based system is allowable under **WDNR Consent Order 2014-WCEE-035-County Materials Ready Mix Shop, Roberts WI.**
- SCOPE: This system is comprised of the following main components:
 - a. Three 13 gpd RO systems (model no. Water Right Ultrawater RO35). The RO units are previously approved for nitrate reduction by DSPS:
<http://dsps.wi.gov/sb/docs/sb-ppalopp/wtd/20140193.pdf>
The RO's will be installed within wall mounted cabinets at three locations. A representative example of how all RO's shall be installed is included as an attachment to this letter.
 - b. One POE water softener (model no. Caresoft Pro UCS-844). The softener's serving the three RO's, one lav and one water closet.
- The water pressure at the inlet of each RO shall be ≥ 30 psig minimum.
- All PE tubing shall conform to NSF Standard 51 and/or NSF Standard 61.
- All drain lines shall terminate with an air gap that conforms to ASME A112.1.2 or ASME A112.1.3.

- A sample tap shall be installed at the POE (i.e. untreated) and permeate lines (i.e. treated) on each individual RO to facilitate ongoing WDNR compliance monitoring.
- These products have undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturer's published instructions.
- A complete set of installation, operation, maintenance instructions and source of supply for expendable components shall be provided to the system owner and retained onsite.
- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 267-9787.
- If this approved system is modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- Each RO system shall be provided with an in-line total dissolved solids (TDS) monitor, or other acceptable means, to warn the user when the system is not performing its functions. Acceptable alternatives to an in-line TDS monitor include:
 1. terminating the discharge of treated water;
 2. sounding an alarm which is connected to acceptable power source;
 3. flashing a light connected to an acceptable power source;
 4. providing the user with an obvious, readily interpretable, indication of the system's ability to perform (e.g. decreasing the flow rate of treated water by 50% or more for systems making mechanical filtration claims;
 5. providing a sampling service by the manufacturer, either directly or through an authorized dealer, a minimum of once every six months;
 6. providing a sampling kit for analysis of TDS or other appropriate contaminants; or
 7. providing a handheld TDS monitor to measure the RO permeate quality.
- In addition to the product water quality monitor specified elsewhere in this letter, this device shall be provided with at least one of the following means to warn the user when the system is not performing its function specifically in the context of nitrate reduction:
 - a. a nitrate/nitrite monitor on the RO permeate water stream; or
 - b. a sampling and analysis kit for nitrate/nitrite with explicit instructions of recommended frequency of analysis.
- The finished installation must undergo a final inspection prior to the treated water being used for consumptive purposes. The Plumbing Consultant having jurisdiction in this area is Don Hough. Mr. Hough can be reached via the following:

If the treated water is used for consumptive purposes prior to passing the final inspection, then this approval may be rendered null and void and the system ordered removed. The Plumbing Consultant shall provide a written indication of the results of the final inspection to the system owner. When the final inspection has been passed, the Plumbing Consultant will notify the Wisconsin Department of Natural Resources (WDNR) Field Staff having authority over the well. The WDNR will then monitor the quality of the treated water to its satisfaction. Monitoring advice, which the WDNR is free to accept or reject, is provided elsewhere in this letter. The WDNR Field Staff having authority over this well is Lawrence Ruetz. Mr. Ruetz can be contacted via the following:

Phone: 715-822-2671

E-mail: lawrence.ruetz@wisconsin.gov

- The suggested monitoring interval for this installation is quarterly. As a minimum, the following tests should be performed:

1. nitrate, raw and treated (i.e. influent and permeate).

Each **RO system** must be individually tested to assure ongoing performance

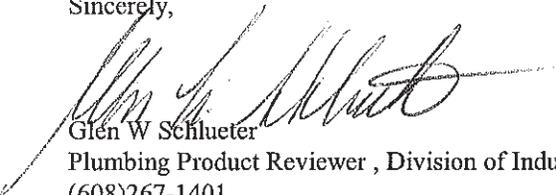
- If this approved plan is modified, or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- Any wall hydrant that is not served by the nitrate treatment device must have one, or more, of the following:
 1. The handles of the hydrant shall be removed;
 2. The hydrant shall be capped and sealed using solder; or
 3. Signage shall be posted immediately above the hydrant indicating the water is unfit for human consumption.
- All water distribution piping, potable and non-potable, shall be marked as required by Table SPS 382.40-1a. In addition, any untreated water outlets, other than water closets and urinals, must continually post a WDNR approved public notice which advises patrons/employees that nitrate levels may 10 mg/l and the potential health effects of exposure.
- No bypass piping shall be installed on the nitrate reduction devices. However, a locking bypass valve may be permissible.
- All appliances, appurtenances, fixtures served by the treatment devices shall be compatible with RO permeate water.

A full size copy of the approved plans, specifications and this letter shall be on-site during construction and open to inspection by authorized representatives of the Department, which may include local inspectors. If plan index sheets were submitted in lieu of additional full plan sets, a copy of this approval letter and index sheet shall be attached to plans that correspond with the copy on file with the Department. If these plans were submitted in an electronic form, the designer is responsible to download, print, and bind the full size set of plans along with our approval letter. A department electronic stamp and signature shall be on the plans which are used at the job site for construction. All permits required by the state or the local municipality shall be obtained prior to commencement of construction/installation/operation.

In granting this approval the Division of Industry Services reserves the right to require changes or additions should conditions arise making them necessary for code compliance. As per state stats 101.12(2), nothing in this review shall relieve the designer of the responsibility for designing a safe building, structure, or component.

Inquiries concerning this correspondence may be made to me at the telephone number listed below, or at the address on this letterhead.

Sincerely,



Glen W Schlueter

Plumbing Product Reviewer , Division of Industry Services

(608)267-1401

Monday-Thursday 7:00AM-3:45PM

Friday 7:00AM-12:00PM

glen.schlueter@wisconsin.gov

Fee Required \$	160.00
Fee Received \$	160.00
Balance Due \$	0.00

WiSMART code: 7657

cc: Donald D Hough, Plumbing Consultant II, (715) 634-4804

County Materials

Watercare Services

Note: Effective January 1, 2012, all codes under the jurisdiction of the Division of Industry Services (formerly Safety & Buildings) will be modified. Code references with prefixes starting with "Comm" have been replaced with "SPS" to recognize the relocation of the Division of Industry Services from the former Department of Commerce to the Department of Safety & Professional Services. Additionally, all IS (formerly S&B) codes have been renumbered and addressed in a "300" series. For future reference, the Wisconsin Commercial Building Code will be addressed by SPS Chapters 360-366.

Building 2.
2A - 1st floor.

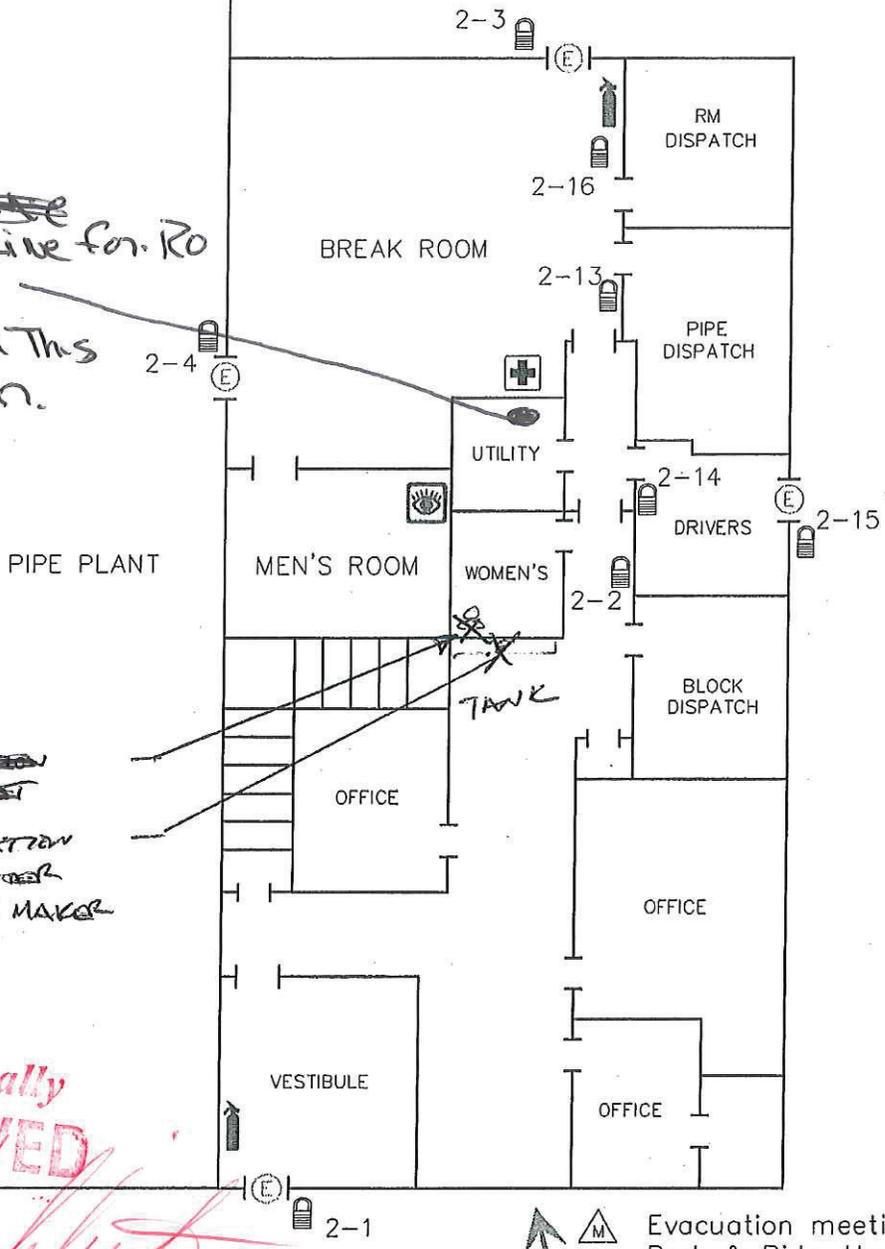
- YOU ARE HERE

~~Drinking~~
Waste Line for RO
2B
Located in This
Room.

~~FILTER LOCATED~~
~~ABOVE TANK~~
FILTER LOCATION
BELOW COUNTER
BY COFFEE MAKER

Conditionally
APPROVED

SEE CORRESPONDENCE



Evacuation meeting area at
Park & Ride, Hwy 65 and
170th Street.

LEGEND

- BIOHAZARD KIT
- SEVERE WEATHER SHELTER
- EYEWASH STATION
- EVACUATION MEETING AREA
- FIRE EXTINGUISHER
- EMERGENCY EXIT
- LOCK BOX
- FIRST AID KIT

LOCATION SAFETY MAP

COUNTY MATERIALS CORPORATION
BUILDING 2 - FIRST FLOOR
ROBERTS, WISCONSIN

DATE: 02/10/14 DRAWN BY: JRS

RECEIVED

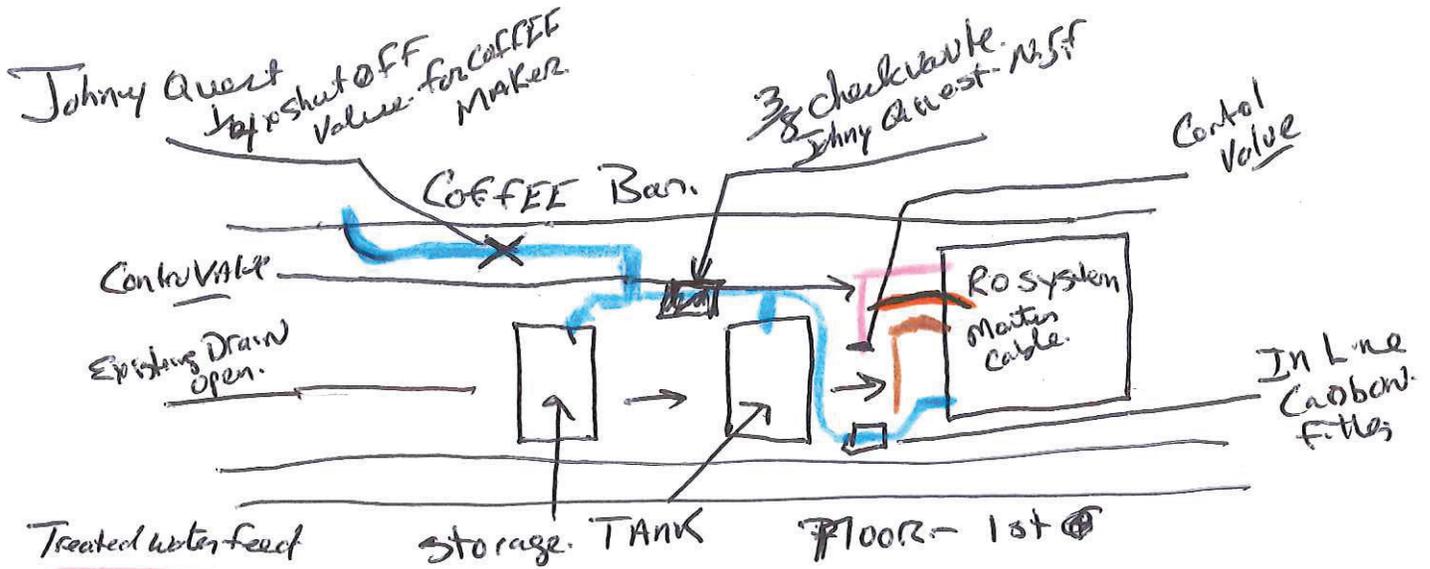
FEB 1 2016

INDUSTRY SERVICES

County Materials
 Building 2
 2A

Product - P.O.U
 Model Number - RO-35
 Product File N 20140193

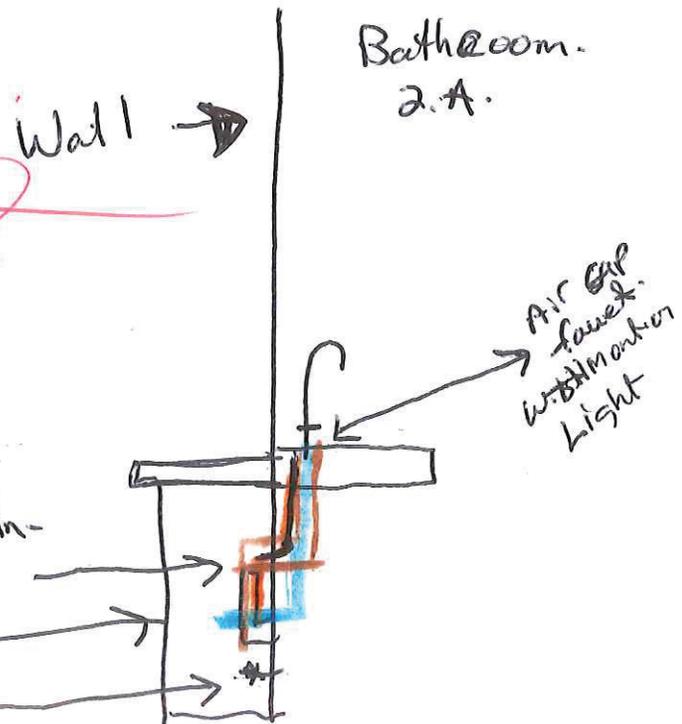
Water Case Service
 COREY GIBSON
 I.D MPR# 220780



Treated water feed
 Product Water
 Waste water
 Monitor Cable

Conditionally
APPROVED

 SEE CORRESPONDENCE

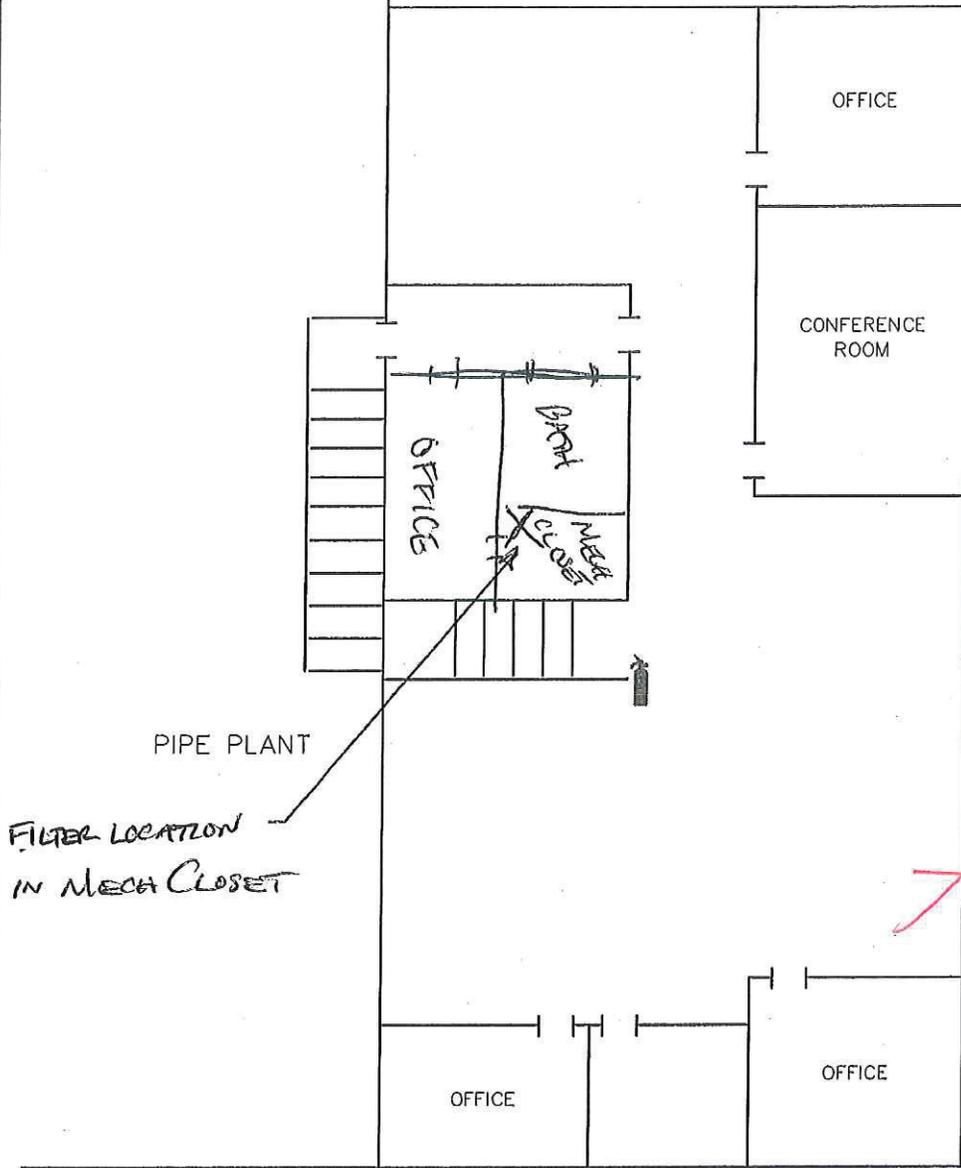


1/4" Johnny Quest Control Valve
 Johnny Quest Tee
 3/8 x 1/4 x 3/8

Bathroom 2.B.

Building 2 = up stairs

● - YOU ARE HERE



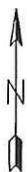
Conditionally
APPROVED

SEE CORRESPONDENCE



Evacuation meeting area at
Park & Ride, Hwy 65 and
170th Street.

LEGEND



BIOHAZARD KIT



SEVERE WEATHER SHELTER



EYEWASH STATION



EVACUATION MEETING AREA



FIRE EXTINGUISHER



EMERGENCY EXIT



LOCK BOX



FIRST AID KIT

LOCATION SAFETY MAP

COUNTY MATERIALS CORPORATION
BUILDING 2 - SECOND FLOOR
ROBERTS, WISCONSIN

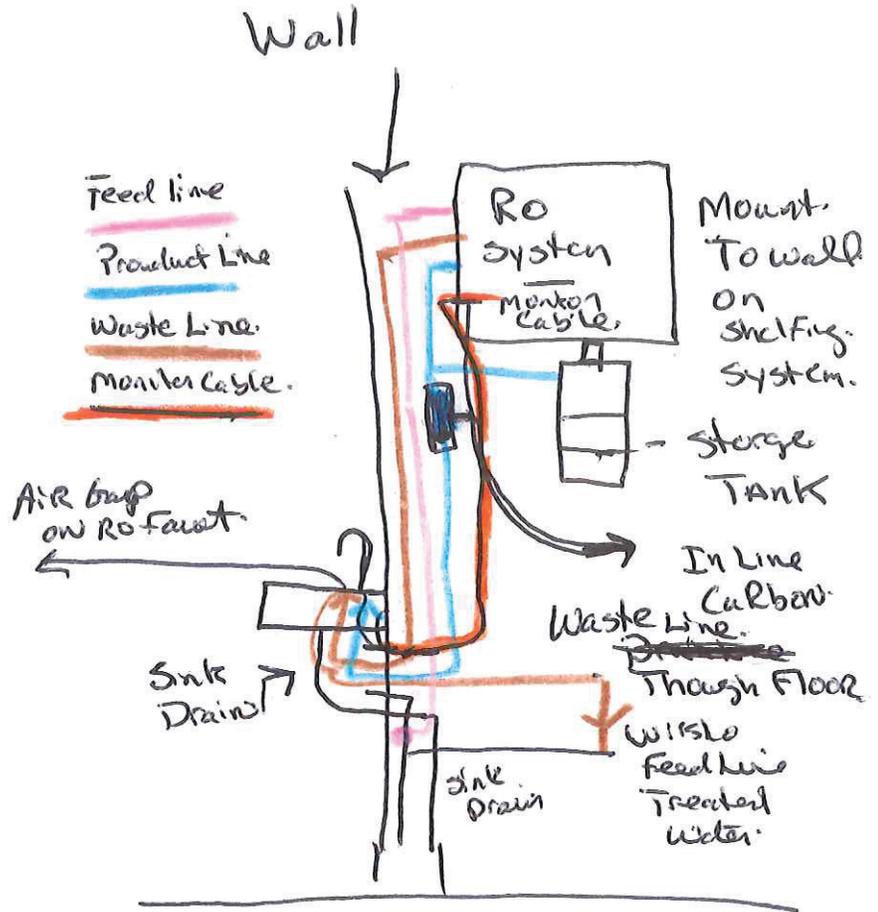
DATE: 02/10/14

DRAWN BY: JRS

County Materials.
 Building 2
 2-B-

Product - P.O.U.
 Model Number - RO-35
 Product File No 2014093

(Drinking Water
 Cup - Hung on wall)



$3/8 \times 1/4$ = Coupling
 John Quast.

$3 \times 1/2 \times 3/4$ Wirsbo Tee.

water line feeding water closet.

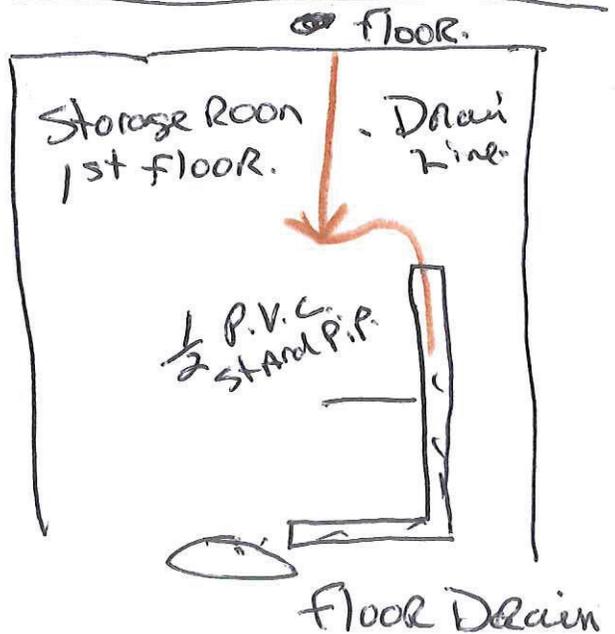
$3/8$ = Poly Parker Perfex
 S.T. - 38 N.S.F.
 .51 x .61.

$1/2 \times 3/8$ Wirsbo. st. shut off valve.

$1/2$ Poly = Parker Perfex
 N.S.F. .51. 61.

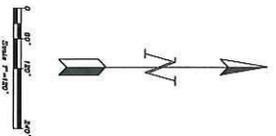
Conditionally
APPROVED

[Signature]
 SEE CORRESPONDENCE



WaterCare Service
 Corey Robinson
 I.D Number.
 MPRA # 220780

Buildings 2



Conditionally APPROVED

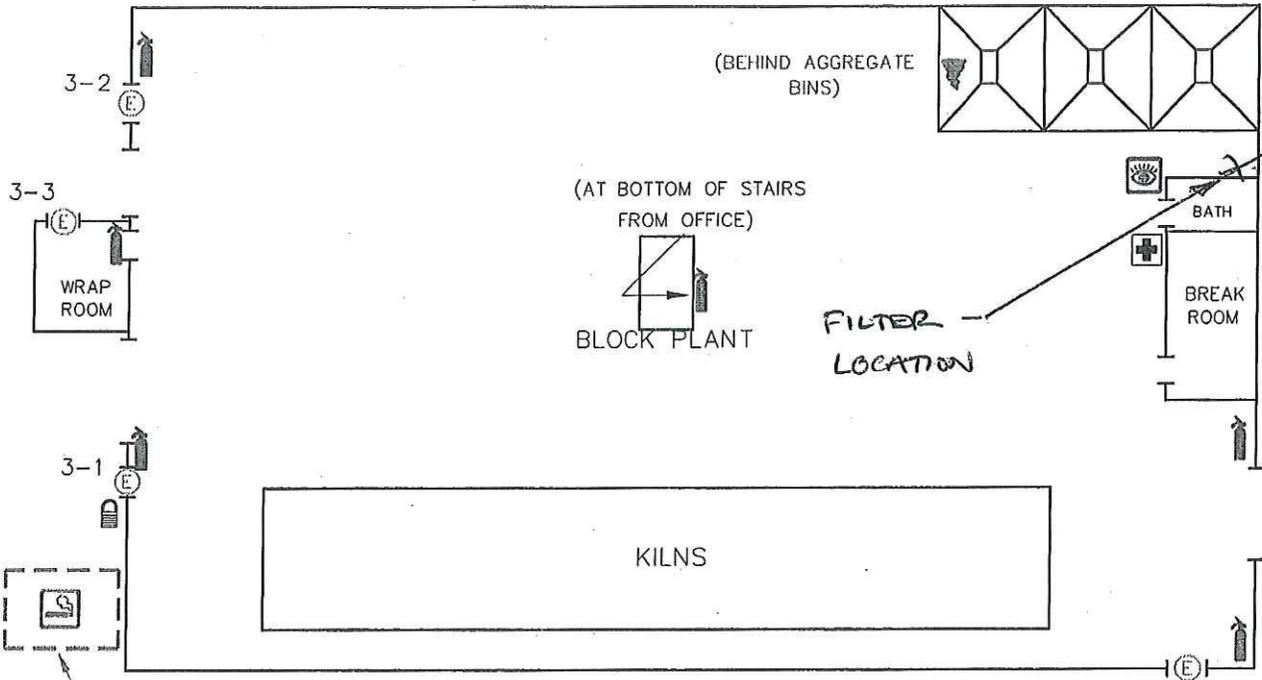
SEE CORRESPONDENCE

COUNTY MATERIALS CORPORATION 205 North St. P.O. Box 100 Waukesha, WI 53448	
Robert's Facility Existing Conditions	Date: 9/11/09 Drawn by: JRS Title: 1201

UNDERGROUND WATER LINE UNDERGROUND GAS LINE UNDERGROUND FIBRE LINE TELE LINE APPLIC. PROPERTY LINE BUILDING MOON CORPORA (E.M.) MOON CORPORA (O.M.) ROAD EDGE OF WATER FENCE LINE ASPHALT SURFACE PAVED AREA DRIVE STORMWATER MANHOLE	LEGEND
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● - YOU ARE HERE

*Building 3
Block Plant*



DESIGNATED SMOKING AREA



Evacuation meeting area at Park & Ride, Hwy 65 and 170th Street.

*Conditionally
APPROVED*

[Signature]
SEE CORRESPONDENCE

LEGEND

- BIOHAZARD KIT
- SEVERE WEATHER SHELTER
- EYEWASH STATION
- EVACUATION MEETING AREA
- FIRE EXTINGUISHER
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LOCATION SAFETY MAP

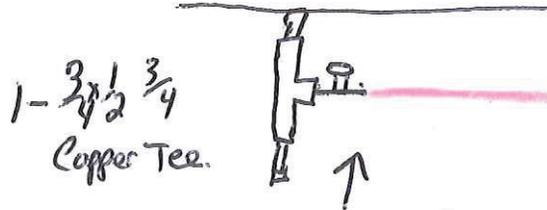
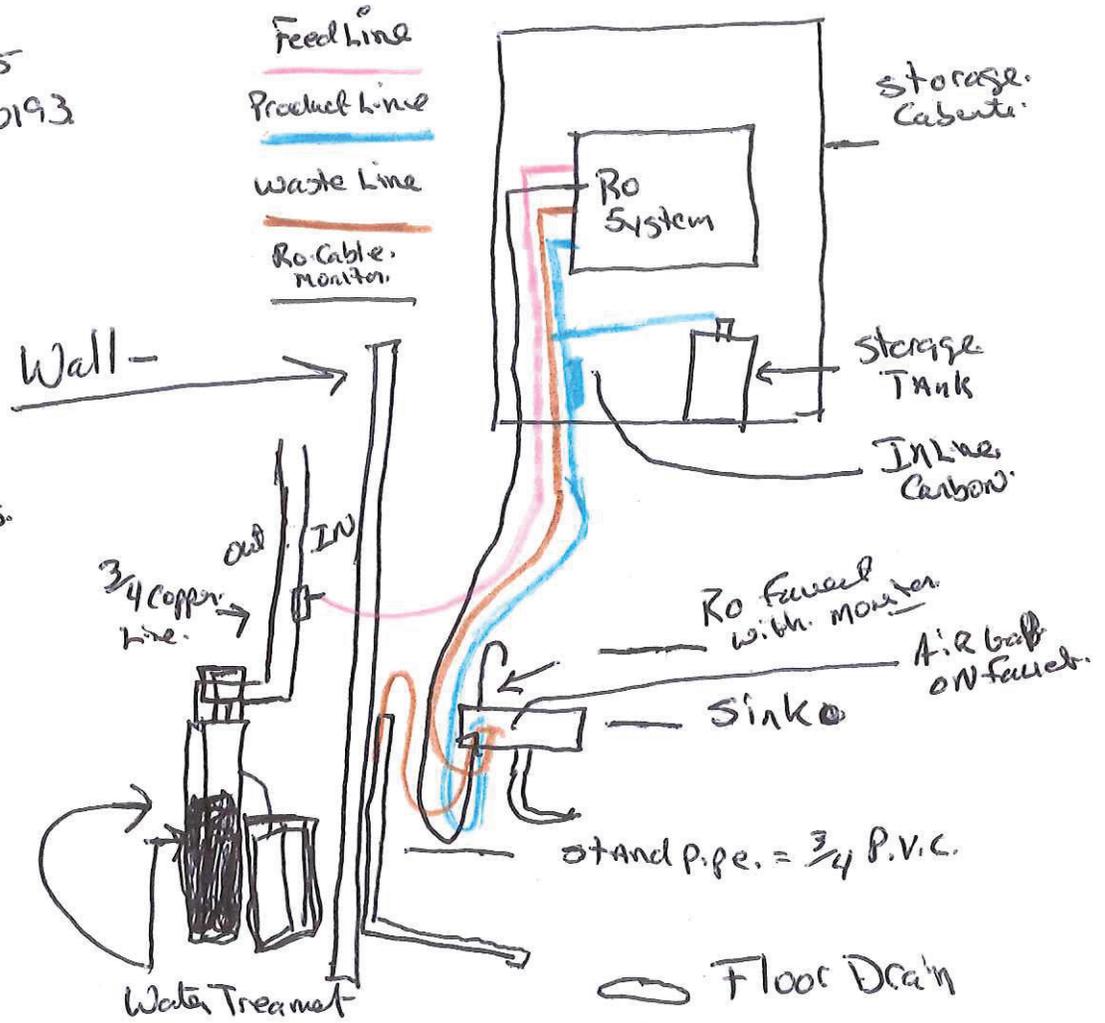
COUNTY MATERIALS CORP.
BUILDING #3
ROBERTS, WI

DATE: 12/17/14 | DRAWN BY: JRS

RECEIVED
FEB 1 2016
INDUSTRY SERVICES

County Materials.
Block or Building 3

Product - P.O. 4.
Model Number - RO-35
Product File No. 20140193



Angle Valve.
W/54

1/2 copper sweat 3/8 Compression.

3/8 x 1/4 Johnny best fitting.

3/8 = Poly = Parker Parflex PJ 3/8 - N.S.F. .51 x .61

1/4 = Poly = Parker Parflex 1/4 N.S.F. .51 x .60

Conditionally
APPROVED

[Handwritten Signature]

SEE CORRESPONDENCE

WaterCare service

Corey Gibson

I.D Number

MPRA-220780

