



CATEGORICAL EXCLUSION

TO: All Interested Citizens, Government Agencies and Public Groups

In accordance with the Nebraska Drinking Water State Revolving Fund environmental review process, which is based on the National Environmental Policy Act, an environmental review has been performed on the proposed agency action below.

This information reviews the environmental impact likely from a project. This project is planned to be federally funded through your tax dollars; therefore, you are entitled to take part in its review. If you have concerns about the environmental impact of this project, please provide them at this time. The Nebraska Department of Environmental Quality encourages public input in this decision-making process.

PROJECT NAME: Water Tower and Ground Storage Tanks Replacement
City of O'Neill, Nebraska

DWSRF PROJECT NUMBER: D311620

PROPOSED PROJECT TOTAL: \$2,118,425

PROPOSED DWSRF LOAN AMOUNT: \$1,588,819

PROPOSED 25% DWSRF LOAN FORGIVENESS AMOUNT: \$529,606

The City of O'Neill has applied for funding for the above-referenced project through the Drinking Water State Revolving Fund (DWSRF) program jointly administered by the Nebraska Department of Health and Human Services, Division of Public Health (DHHS) and the Nebraska Department of Environmental Quality (NDEQ). This project has been ranked at 160 points and was included on the Funding List in the DWSRF State Fiscal Year 2018 Intended Use Plan. Loan and 25% loan forgiveness funding can be provided for the project in accordance with the Intended Use Plan's listed criteria.

O'Neill is located in northeastern part of Nebraska, situated in Holt County. The community has a population of 3,705 according to the 2010 census, which has slightly decreased over the past decade. O'Neill has been issued a permit to operate a public water system (PWS) under the provisions of the Nebraska Safe Drinking Water Act and the Regulations Governing Public Water Supply Systems, Title 179.

In April 2014, the City's Engineer completed a 2014 Water System Study that evaluated O'Neill's water system needs. The PWS consists of five municipal wells, an elevated 150,000 gallon water storage tower, two 250,000 gallon ground storage tanks, and a distribution system. The existing 150,000 gallon tower was constructed in the 1900s and the ground

storage tanks were constructed in 1988. The existing storage facilities are suspected as the source of the City's Total Coliform violations for which the City was issued an Administrative Order from DHHS. The City proposes to replace all three tanks with a new 750,000 elevated single pedestal elevated tank. Interconnecting piping, SCADA level control work, design, and inspection are included in the project. The tower will be placed directly north of the existing ground storage tanks. The existing tanks will be demolished after the new tank is constructed and put into service. The new tower will provide a minimum service pressure to the entire City of 42 to 54 pounds per square inch. The City's current average day demand is 757,211 gallons per day (gpd) or 204 gallons per capita per day. The projected daily average water use for a 20 year design horizon is 850,000 gpd utilizing an annual growth of 0.5% per year or a population of 4,155 for 2038. Typical municipal storage design values are a one day average water use. The Engineer presented both 600,000 gallon and 750,000 gallon tank size cost estimates to the community and the City will soon be advertising for bids for the 750,000 gallon tower with a 600,000 gallon alternate.

The proposed project was reviewed by numerous Federal and State agencies for environmental impacts. The majority of responses indicated that the project had no effect or had no objections. A National Pollutant Discharge Elimination System Construction Stormwater permit will be required by NDEQ if more than one acre of land is disturbed. The O'Neill's public water system last underwent a routine sanitary survey by DHHS in June 10, 2015, wherein no deficiencies were noted. That completed survey is the first step of the Technical, Financial, and Managerial (TFM) program policy. The City will still be required to undergo an Initial, and if necessary, a Final TFM Assessment by the DHHS, to ensure that their capabilities meet the requirements of the Safe Drinking Water Act. O'Neill's current Environmental Tracking Tool score is 0, below the allowable 11 per issued U.S. Environmental Protection Agency guidance.

The City is eligible for a 20-year loan at an interest rate of 2.0 percent. In addition to principal and interest payments, an administrative fee of 1.0 percent of the loan balance will be assessed each year. The City is eligible for 25 percent loan forgiveness due to the Department Administrative Order on O'Neill's Public Water Supply. The projected annual DWSRF Debt Service (including 10% coverage) from the loan would be \$123,752. Currently, the average bill for a residential water service is \$9.72 base plus \$1.60 per thousand usage which for typical 8,000 gallon per monthly use would total \$22.52. The revenues from O'Neill's water utility will be dedicated to repay the loan. Based on 1627 active residential and commercial service connections, monthly household rates may need to be raised \$6.33 to address the new debt service making for a projected total of \$28.85 for 8,000 gallons of monthly water use. A final assessment of revenues and costs will determine what rate adjustments are necessary.

The City Council had the project on the special council meeting agenda for a January 29th Council Meeting, which had advanced posted notice according to Section 84-1408 Revised Statutes of Nebraska. A presentation of the proposed project status was made by the City's Engineer and project cost with the associated SRF funding available. The impact to user rates

was presented by the Engineer. No comments were offered from the public. This meeting satisfies the public participation requirements of Title 131 for DWSRF funds.

The proposed project is determined by DHHS to help the public water system maintain compliance. The infrastructure investment in a replacement tower is in line with the stated goals of the U.S. Environmental Protection Agency's Drinking Water Infrastructure Sustainability Policy. No significant environmental impacts have been identified that would result from the proposed action. All necessary permits for construction will be obtained from the appropriate agencies (i.e. NDEQ, etc.), if necessary. Consequently, a preliminary decision has been made that an Environmental Impact Statement will not be prepared.

The proposed project was reviewed for eligibility for a categorical exclusion from National Environmental Policy Act review specified in 40 CFR (Code of Federal Regulations) Part 6.204. The project meets all criteria described in the above reference and the Department has determined that this project is eligible for a categorical exclusion. Consequently, a preliminary decision has been made that a Finding of No Significant Impact will not be prepared. The infrastructure project as proposed is solely a replacement of existing storage tanks. Justification for categorical exclusion includes:

- The proposed action is not known or expected to have potentially significant environmental impacts on the quality of the human environment either individually or cumulatively over time;
- The proposed action is not known or expected to significantly affect federally listed threatened or endangered species or their critical habitat;
- The proposed action is not known or expected to significantly affect national natural landmarks or any property with nationally significant historic, architectural, prehistoric archeological or cultural value, including but not limited to, property listed on or eligible for the National Register of Historic Places;
- The proposed action is not known or expected to significantly affect environmentally important natural resource areas as wetlands, flood plain, prime farmland, wild and scenic rivers, and significant fish or wildlife habitat; and
- The proposed action is not known or expected to have a significant effect on the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population including altering the character of existing residential areas, or may not be inconsistent with state or local government, or federally-recognized Indian tribe approved land use plans or federal land management plans.

The NDEQ shall revoke the categorical exclusion and shall require a full environmental review if, subsequent to the granting of exclusion, the state determines that the proposed project no longer meets the requirements for a categorical exclusion due to changes in the proposed project; or new evidence reveals that serious local or environmental issues exist; or federal, state, local or tribal laws are being violated.

This action is taken on the basis of a careful review of the application, the 2014 Water System Study and the 2018 Municipal Water Storage Improvements plans and specifications which were approved by the Department of Health and Human Services on January 18, 2018. The latter are available for public review upon request. Persons having a comment on this categorical exclusion determination are encouraged to submit directly to Steve McNulty @ 402 471-1006 or email steve.mcnulty@nebraska.gov of Nebraska Department of Health and Human Services, Division of Public Health, or Tom Fuenning @ 402 471-4989 or email tom.fuenning@nebraska.gov of the Water Permits Division of NDEQ.

Signed this 23rd day of March, 2018.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jim Macy".

Jim Macy
Director

Attachments: Environmental Assessment
Distribution List
Map

FNSI DISTRIBUTION LIST
O'NEILL, NEBRASKA

DEPARTMENT OF ENVIRONMENTAL QUALITY
Office of Public Affairs
P.O. Box 98922
Lincoln, NE 68509-8922

DEPARTMENT OF NATURAL RESOURCES
Mitch Paine
P.O. Box 94676
Lincoln, NE 68509-4676

NEBRASKA GAME & PARKS COMMISSION
Schuyler Sampson/Carey Grell
P.O. Box 30370
Lincoln, NE 68503-0370

DIRECTOR, NEBRASKA STATE
HISTORICAL SOCIETY
P.O. Box 82554
Lincoln, NE 68508-2554

STATE OFFICE OF POLICY RESEARCH
Policy Advisor
Rm. 1319, State Capitol
PO Box 94601
Lincoln, NE 68509-4601

DEPARTMENT OF ECONOMIC DEVELOPMENT
Abigail Anderson
P.O. Box 94666
Lincoln, NE 68509

FISH AND WILDLIFE SERVICE
Eliza Hines
9325 South Alda Road
Wood River, NE 68883

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
Steve McNulty
P.O. Box 95026
Lincoln, NE 68509-5026

DEPARTMENT OF THE ARMY
Sarah Pedrick
Corps of Engineers, Omaha District
Nebraska Regulatory Office
8901 South 154th Street, Suite 1
Omaha, NE 68138-3635

NATIONAL PARK SERVICE
Nick Chevance, Environmental Coordinator
601 Riverfront Drive
Omaha, NE 68102-4226

USDA RURAL DEVELOPMENT
Ken Shaw
Room 308, Federal Building
100 Centennial Mall North
Lincoln, NE 68508

ENVIRONMENTAL PROTECTION AGENCY
Chris Simmons/Kelly Beard-Tittone
11201 Renner Blvd
Mail Code: WWPDWIMB
Lenexa, KS 66219

STATE CONSERVATIONIST
Natural Resources Conservation Service
Federal Building, Room 345
100 Centennial Mall North
Lincoln, NE 68508

APPLICANT:
William Price, Mayor
City of O'Neill
401 East Fremont
O'Neill, NE 68763-1897

CONSULTING ENGINEERS:
Olsson Associates.
Dave Ziska, P.E.
PO Box 1072
201 E. 2nd Street
Grand Island, NE 68801

LOCAL NEWSPAPER
Holt Co. Independent
114 North 4th
O'Neill, NE 68763

UPPER ELKHORN NATURAL RESOURCES DISTRICT
301 No. Harrison Street
O'Neill, NE 68763

NEBRASKA DEPARTMENT OF TRANSPORTATION
Kandi Bremer
Division of Aeronautics
3431 Aviation Road, Suite 150
Lincoln, NE 68524

MUNICIPAL WATER STORAGE IMPROVEMENTS O'NEILL, NEBRASKA - 2018

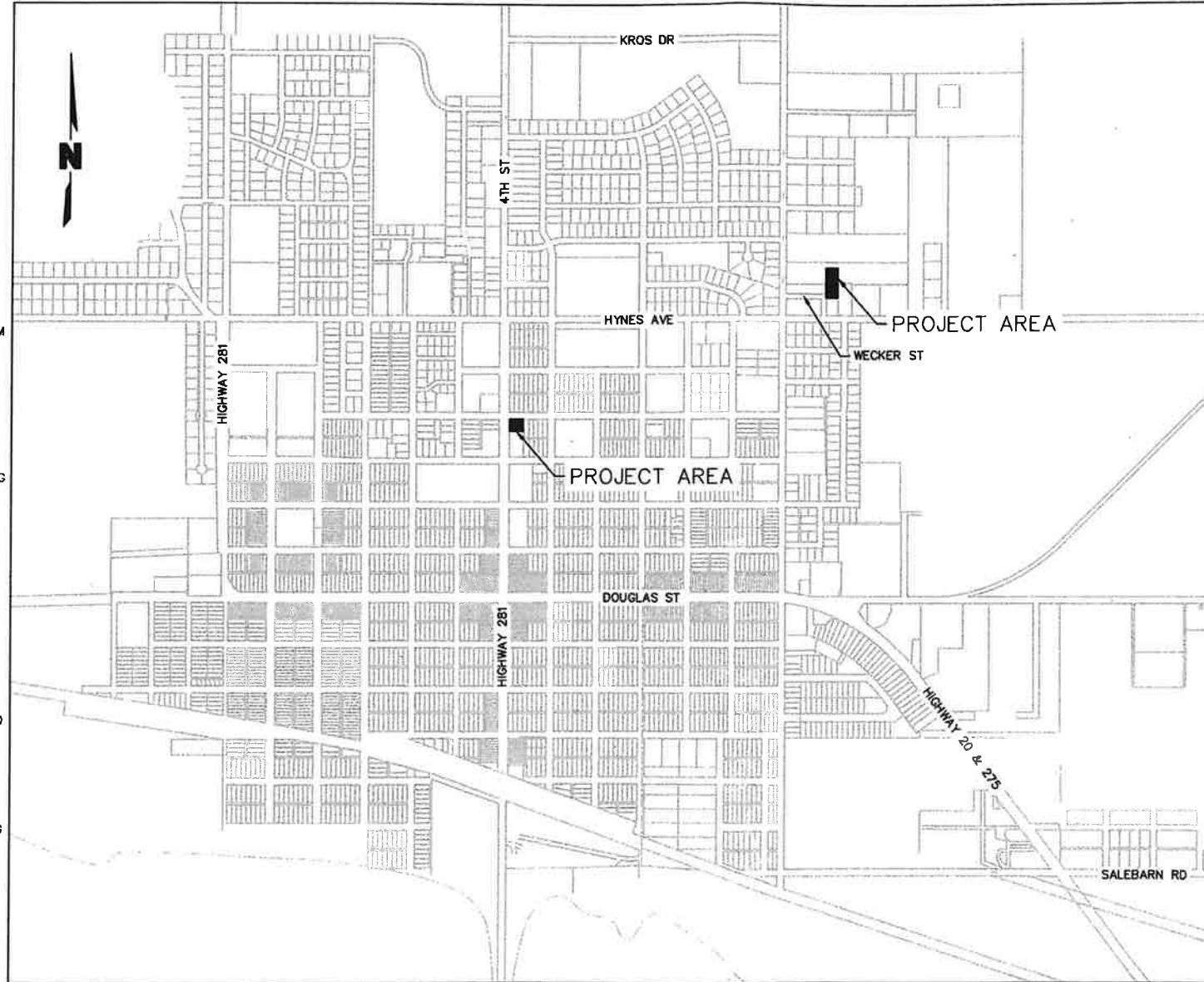
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DEC 18 2017
DRINKING WATER

GENERAL NOTES

1. THE LOCATION OF ALL AERIAL AND UNDERGROUND UTILITY FACILITIES MAY NOT BE INDICATED ON THESE PLANS. UNDERGROUND UTILITIES, WHETHER INDICATED OR NOT WILL BE LOCATED AND FLAGGED BY THE UTILITIES AT THE REQUEST OF THE CONTRACTOR. NO EXCAVATION WILL BE PERMITTED IN THE AREA OF UNDERGROUND UTILITY FACILITIES UNTIL ALL SUCH FACILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES. THE EXCAVATION MUST BE ACCOMPLISHED WITH EXTREME CARE IN ORDER TO AVOID ANY POSSIBILITY OF DAMAGE TO THE UTILITY FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES.
2. THE CONTRACTOR SHALL VIDEO THE ENTIRE PROJECT PRIOR TO COMMENCING ANY WORK.
3. CONSTRUCTION STAKING SHALL BE COMPLETED BY THE CITY.
4. THE CITY SHALL BE RESPONSIBLE FOR CONCRETE AND DENSITY TESTING.
5. CONTRACTOR SHALL PRESERVE ALL PROPERTY CORNER MONUMENTS OR RE-ESTABLISH THEM BY A LICENSED SURVEYOR AT CONTRACTORS EXPENSE IF THEY ARE DISTURBED DURING CONSTRUCTION.
6. THE CITY SHALL OBTAIN AND PAY THE COST OF ALL REQUIRED PERMITS AND FEES.
7. THE CONTRACTOR SHALL USE EXTREME CAUTION IN THE AREA OF EXISTING POWER POLES AND EXISTING UTILITIES, AND SHALL BE RESPONSIBLE FOR DAMAGES.
8. GENERAL FILL AND BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY UNDER PAVED AREAS AND 90% UNDER TURF AREAS.
9. FOOTING SUBGRADE SHALL BE COMPACTED AND PREPARED ACCORDING TO THE SPECIFICATIONS AND GEOTECHNICAL REPORT.
10. THE ENGINEER SHALL DEVELOP STORM WATER POLLUTION PREVENTION PLAN AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS IMPLEMENTATION.
11. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING ALL EROSION CONTROL MEASURES NECESSARY TO PROVIDE ADEQUATE PROTECTION FOR CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL INSTALL SILT FENCE ON THE DOWN SLOPE SIDE OF THE CONSTRUCTION ACTIVITIES AND SHALL INSTALL INLET PROTECTION WHERE NECESSARY.
12. THE CONTRACTOR SHALL USE A DESIGNATED AREA FOR A CONCRETE WASHOUT. THIS AREA SHALL BE A CONTAINMENT AREA WHERE THE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER CAN SAFELY EVAPORATE.
13. PRIOR TO MOVING OFF SITE THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING REQUESTING A FINAL WALK-THROUGH OF THE PROJECT.
14. CONTRACTOR SHALL COORDINATE LEVEL CONTROLS FOR THE NEW TOWER WITH BILL SIMMERMAN (MUNICIPAL AUTOMATION & CONTROL - ELM CREEK, NE). CONTRACTOR TO PAY ALL COSTS TO FURNISH AND INSTALL ALL LEVEL CONTROL EQUIPMENT INCLUDING PROGRAMMING, INTEGRATION, AND OWNER TRAINING.

WATER MAIN GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING EXISTING WATER MAIN WHERE NEEDED TO CONSTRUCT THE NEW WATER MAIN. THIS WORK SHALL BE SUBSIDIARY TO CONSTRUCTION OF THE NEW WATER MAIN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABANDONING OR REMOVING THE EXISTING WATER MAIN, VALVES AND SERVICES TO BE REPLACED. ABANDONING WATER MAIN SHALL INCLUDE INSTALLING M.J. CAPS ON OPEN ENDS OF PIPES. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO CONSTRUCTION OF THE NEW WATER MAIN.
3. ALL FIRE HYDRANTS TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO THE CITY.
4. ALL TRENCHES SHALL BE BACKFILLED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR EXCEPT THE TOP 12" IN TURF AREAS. THESE AREAS SHALL BE BACKFILLED TO A MINIMUM OF 90% OF THE STANDARD PROCTOR.



VICINITY MAP
NOT TO SCALE

SANITATION DEPARTMENT
STATE OF NEBRASKA DEPARTMENT
OF HEALTH AND HUMAN SERVICES

JAN 18 2018

Tom Furrer

INDEX OF DRAWINGS

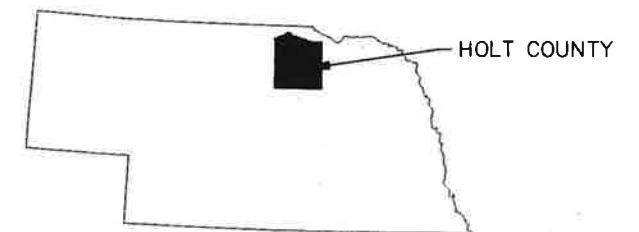
SHT. NO.	SHEET NAME
1	COVER, GENERAL NOTES, AND QUANTITIES
2	SITE REMOVALS
3	EXISTING WATER TOWER REMOVALS
4	SITE GRADING
5	WATER TOWER INLET/OUTLET MAIN STA. 100+50 TO STA. 102+45
6	SITE AND EROSION CONTROL PLAN
7	DETAILS
8	DETAILS
9	DETAILS

TABLE OF APPROX. QUANTITIES - BASE BID

ITEM	UNITS	QUANTITY
MOBILIZATION/DEMOLITION	LS	1
REMOVE WATER TOWER	LS	1
REMOVE GROUND STORAGE TANK	EA	2
REMOVE FIRE HYDRANT ASSEMBLY, VALVE, & 6" LEAD	EA	1
REMOVE 8" WATER MAIN	LF	76
REMOVE 14" WATER MAIN	LF	95
REMOVE 18" WATER MAIN	LF	25
REMOVE CMP	LF	47
REMOVE WATER SERVICE LINE	LF	12
REMOVE YARD HYDRANT	EA	1
REMOVE AND SALVAGE VALVE TO CITY	EA	5
REMOVE SPLASH PAD	EA	1
REMOVE AND REPLACE 6" CONCRETE W/ 6" CURB & GUTTER	SY	25
REMOVE AND REPLACE 4" CONCRETE SIDEWALK	SY	9
REMOVE AND REPLACE CHAINLINK FENCE	LF	108
6" CHAIN LINK FENCE	LF	450
6" CHAIN LINK SWING GATE (7' WIDTH)	EA	2
REMOVE TREE	EA	3
12" PVC WATER MAIN	LF	194
6" PVC WATER MAIN	LF	16
18" M.J. CAP	EA	1
14" M.J. CAP	EA	2
8" M.J. CAP	EA	2
M.J. CAP (FIELD VERIFY SIZE)(MAX SIZE - 2")	EA	1
14"x12" M.J. TAPPING TEE W/ VALVE AND BOX	EA	1
12"x6" M.J. TEE	EA	1
12" 45" M.J. BEND	EA	1
1" SERVICE CONNECTION	EA	1
FIRE HYDRANT ASSEMBLY	EA	1
YARD HYDRANT	EA	1
750,000 GALLON WATER TOWER	LS	1
LEVEL CONTROLS	LS	1
SPLASH PAD	EA	1
GRAVEL SURFACING	TN	28
SILT FENCE	LF	1,002
SEEDING	AC	1.41
EARTHWORK (NO FILL FACTOR INCLUDED)	LS	1
RADIOGRAPHY AND NACE INSPECTION ALLOWANCE	LS	1

TABLE OF APPROX. QUANTITIES - ALT. BID

ITEM	UNITS	QUANTITY
DEDUCT FOR 600,000 GALLON WATER TOWER	LS	1



OLSSON ASSOCIATES

TEL: 308.384.8750
P.O. Box 1072
Grand Island, NE 68802-1072
www.olsonassociates.com



REVISIONS

REV. NO.

COVER, GENERAL NOTES, AND QUANTITIES

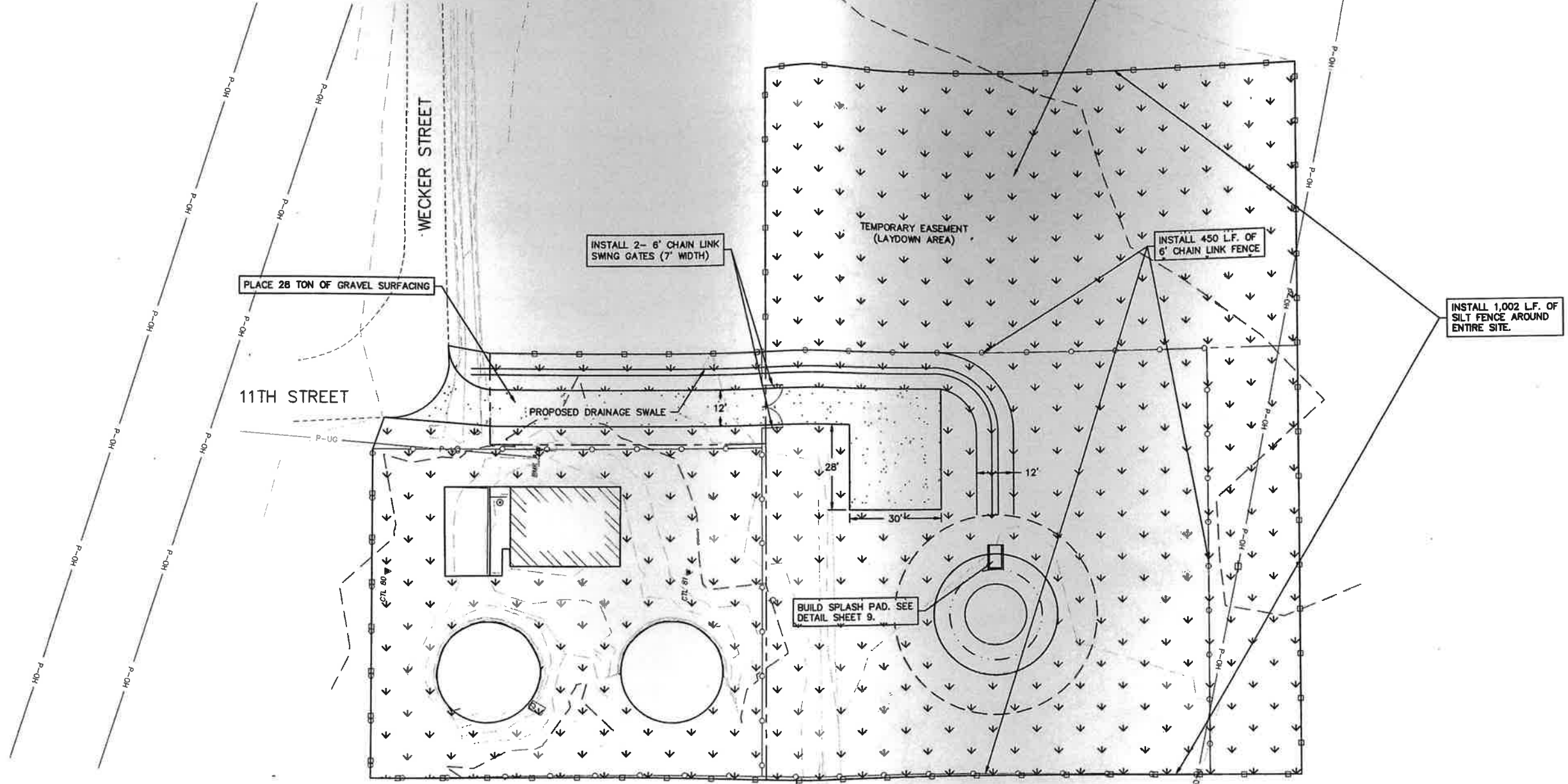
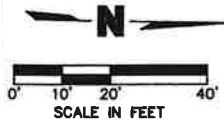
MUNICIPAL WATER STORAGE IMPROVEMENTS

2018

O'NEILL, NEBRASKA

drawn by: BJF
checked by: DJR
approved by: DJR
QA/QC by: JCB
project no.: 016-2018
drawing no.:
date: DECEMBER 2017

SHEET
1 of 9



DATE: Dec 12, 2017 11:07am
 XREFS: V_XTPO_62994 C_ALIGN_62994 C_PBASE_62994
 USER: dmedrichsen C_TBLK_62994

OLSSON ASSOCIATES
 201 East 2nd Street
 P.O. Box 1072
 Grand Island, NE 68802-1072
 TEL: 308.384.8750
 FAX: 308.384.8752
 www.olssonassociates.com



REV. NO.	DATE	REVISIONS DESCRIPTION

SITE AND EROSION CONTROL PLAN
MUNICIPAL WATER STORAGE IMPROVEMENTS
 O'NEILL, NEBRASKA
 2018

drawn by:	BJF
checked by:	DJR
approved by:	JCB
QA/QC by:	JCB
project no.:	016-2094
drawing no.:	6 of 9
date:	DECEMBER 2017

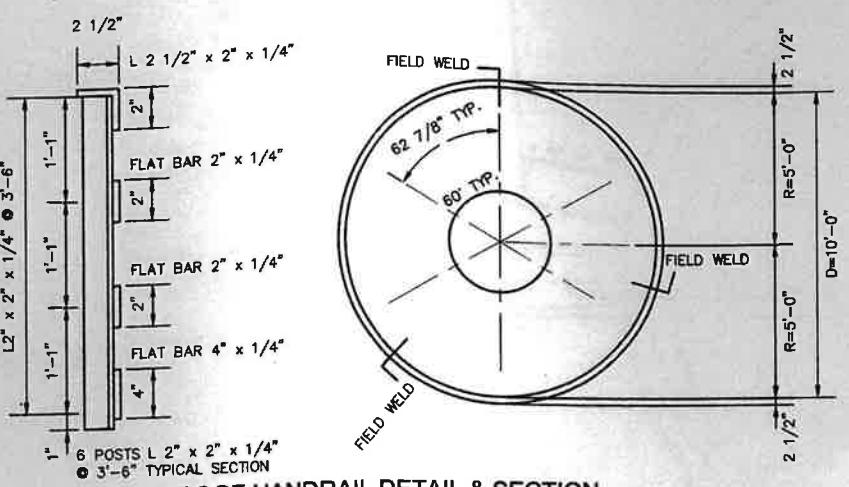
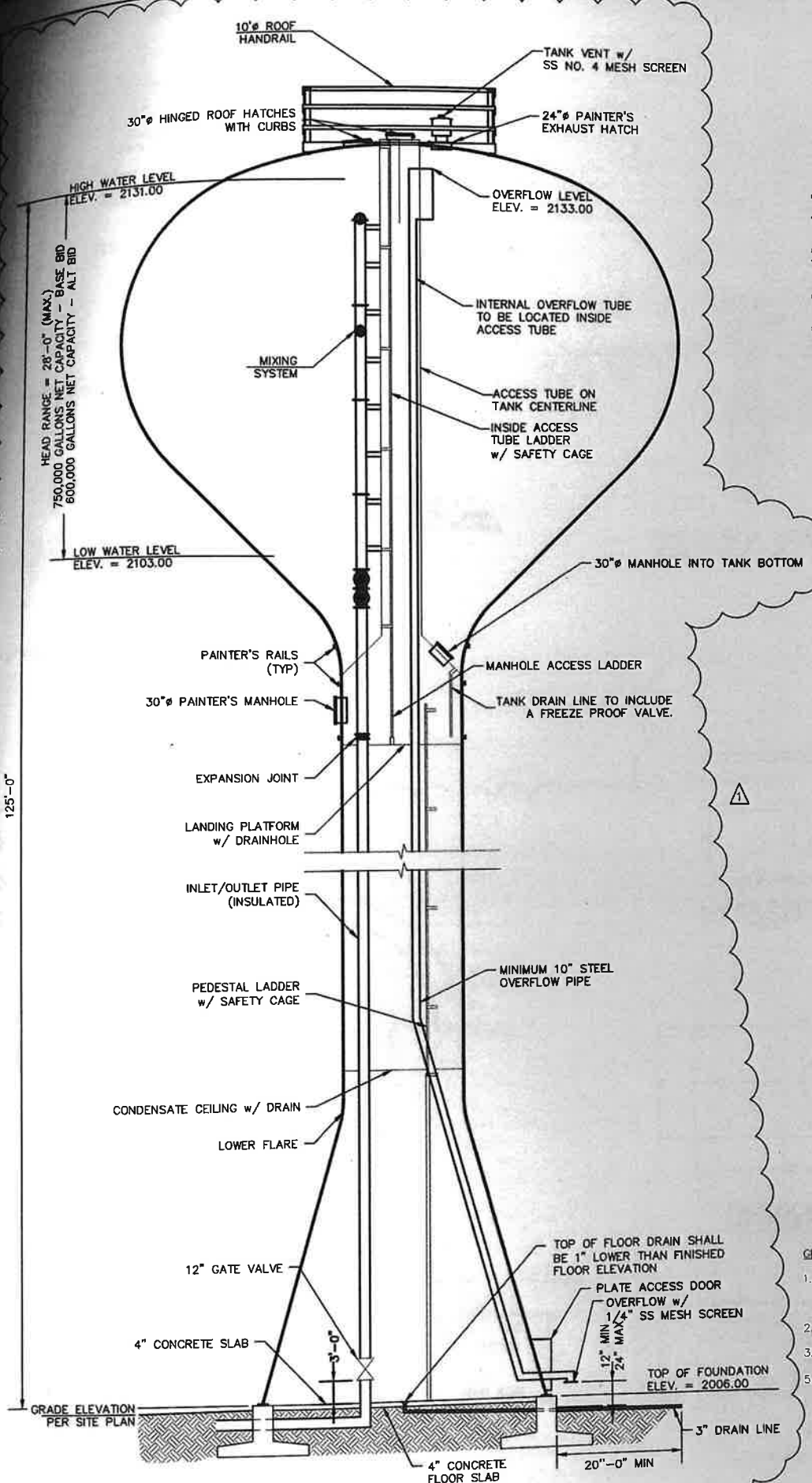
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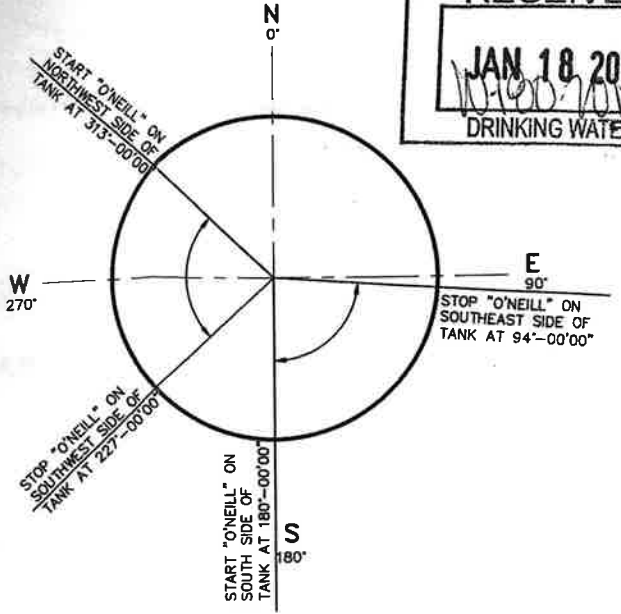
REV. NO.	DATE	DESCRIPTION
1	01-15-2018	ISS COMMENTS

DETAILS	REVISIONS	DATE
MUNICIPAL WATER STORAGE IMPROVEMENTS		2018
O'NEILL, NEBRASKA		

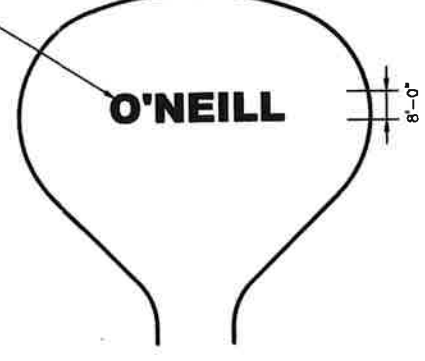


ROOF HANDRAIL DETAIL & SECTION
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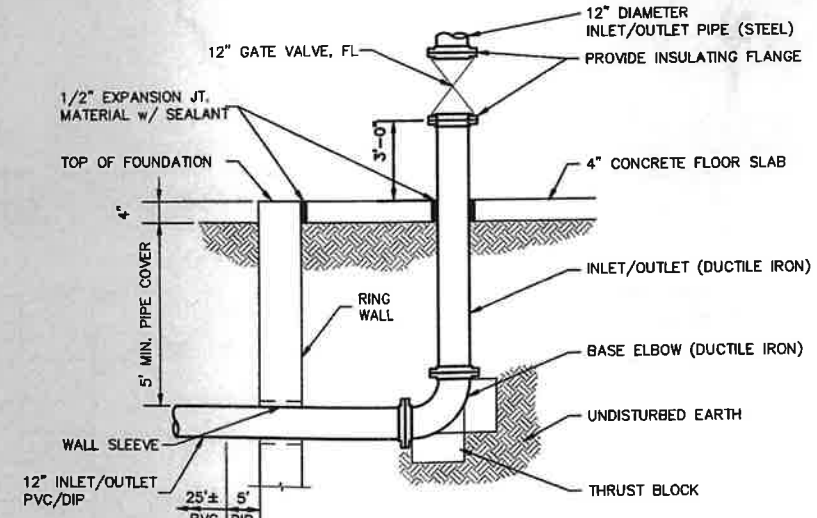
NOTES:
 SHOP WELD RAILING IN 3 PCS. WELD PIECES TOGETHER IN FIELD. SHOP TRIM EXCESS ROLLED TOP ANGLE TO LENGTH AFTER ROLLING. LEAVE MID-RAIL AND TOE BOARD EXCESS LENGTH.
 TOP RAIL: 2-L2 1/2" X 2" X 1/4"-15'-8 1/2"
 ROLL I.S. R=5'-0" W/2 1/2" LEG OUT
 MID RAIL: 2-FLAT BARS 2" X 1/4"-15'-8 1/2"
 ROLL I.S. R=5'-0"
 TOE BOARD: 2-FLAT BARS 4" X 1/4"-15'-8 1/2" ROLL I.S. R=5'-0"
 HANDRAIL AS SHOWN IS 10 FT. DIA. ACTUAL SIZE SHALL BE DETERMINED BY TANK MANUFACTURER AND SHALL BE LARGE ENOUGH TO AVOID CONFLICT W/ ALL HATCHES AND VENTS.



PLAN - WATER TANK LETTERING
 NOT TO SCALE

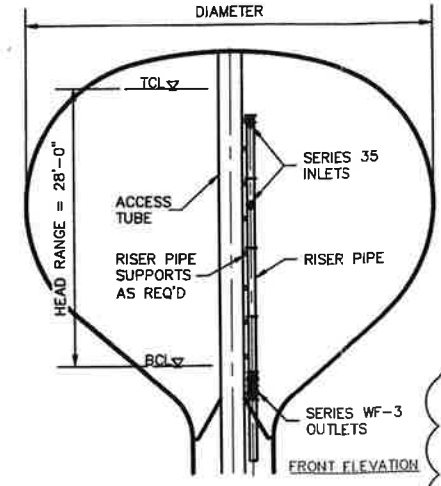


ELEVATION - WATER TANK LETTERING
 NOT TO SCALE

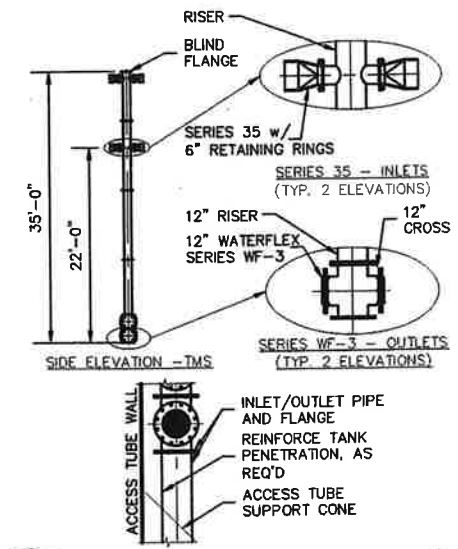


INLET/OUTLET PIPE ENTRANCE DETAIL
 NOT TO SCALE

- GENERAL NOTES**
- DIAMETER OF BASE CONE AND DIMENSIONS OF FOUNDATION SHALL BE DETERMINED BY THE TANK CONTRACTOR BASED UPON THE ALLOWABLE SOIL BEARING SPECIFIED AND THE RECOMMENDATIONS OF THE SOIL REPORT. FOUNDATION DESIGN TO BE BY TANK MANUFACTURER.
 - A LADDER SAFETY DEVICE MEETING OSHA STANDARDS SHALL BE PROVIDED.
 - SEE SPECIFICATIONS FOR OPTIONAL ACCESSORIES.
 - PROVIDE 4-4" SCHEDULE 40 CONDUITS THROUGH FOUNDATION AND FINISHED FLOOR FOR FUTURE USE. UTILIZE WALL SLEEVES AND CAP CONDUITS ON BOTH ENDS.



MIXING SYSTEM DETAIL
 NOT TO SCALE



- NOTES:**
- DRAWING INTENDED AS A GENERAL REPRESENTATION FOR BUDGET ESTIMATE PURPOSES ONLY.
 - "TIDEFLEX MIX SYSTEM" AS MANUFACTURED BY REDYVALVE IS SHOWN IN THIS DETAIL.
 - "FRESH MIX SYSTEM" AS MANUFACTURED BY CBI IS ALSO AN ACCEPTABLE MIXING SYSTEM.
 - ALL INLET/OUTLET VALVES TO BE NSF-61 APPROVED EPDM.

DWG: F:\2016\2501-3000\016-2994\40-Design\AutoCAD\Final Plans\Sheets\PEIN\VC_COV-GEN NOTE-QUANTITY_62994.dwg
 DATE: Jan 15, 2018 1:05pm
 XREFS: C:\BLK_62994
 O'Neill
 USER: bjb@olsson.com