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IDWR / NORTH

79326

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

Ident. No. 96-9543

1. Name of applicant(s) City of Dover Phone 208.265.8339
 Name connector (check one): ☐ and ☐ or ☐ and/or
 Mailing address PO Box 115 City Dover
 State ID Zip 83825 Email dovercity@nctv.com
2. Source of water supply Pend Orielle River which is a tributary of Columbia River
3. Location of point(s) of diversion:

TWP	RGE	SEC	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #

4. Water will be used for the following purposes:
- Amount 1.34 for Municipal purposes from 1/01 to 12/31 (both dates inclusive)
 (cfs or acre-feet per year)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)
5. Total quantity to be appropriated is (a) 1.34 cubic feet per second (cfs) and/or (b) 970 acre feet per year (af).
6. Proposed diverting works:
- a. Describe type and size of devices used to divert water from the source. 10hp submersible pump in sleeve to intake screen
- b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11. For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ No
- c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ No
- e. If well is already drilled, when? _____; drilling firm _____; well was drilled for (well owner) _____; Drilling Permit No. _____
7. Description of proposed uses (if irrigation only, go to item 8):
- a. Hydropower; show total feet of head and proposed capacity in kW. _____
- b. Stockwatering; list number and kind of livestock. _____
- c. Municipal; complete and attach the Municipal Water Right Application Checklist.
- d. Domestic; show number of households _____
- e. Other; describe fully. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Ident. No. 969543

Point of Diversion/Place of Use Supplement

Attachment to: ☒ Application for Permit to Appropriate Water ☐ Application for Transfer** ☐ Adjudication Claim
☐ Application for Amendment of Permit ☐ Beneficial Use Field Report ☐ Statutory Claim

Location of points of diversion (POD):

New POD?	Twp	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Source	Local name or well/diversion tag #
☒ Yes	57	2W	32			NW	SW	Bonner	Pend Oreille River	
☐ Yes	57	2W	32			NE	SW	Bonner	Pend Oreille River	96-8592
☐ Yes	57	2W	31			NE	SE	Bonner	Pend Oreille River	96-09247
☐ Yes										
☐ Yes										
☐ Yes										
☐ Yes										
☐ Yes										
☐ Yes										
☐ Yes										

Description of place of use (POU):

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57	2W	19			M	M				M	M	M	M	M	M	M	M	M	
57	2W	20							M		M	M			M	M			
57	2W	21									M		M	M			M		
57	2W	28					M	M	M	M		M	M						
57	2W	29			M	M			M	M	M	M	M	M	M	M	M	M	
57	2W	30	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
57	2W	31	M	M	M	M	M	M		M					M				
57	2W	32		M			M	M	M	M	M	M							

8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Total number of acres to be irrigated: _____

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping?

Existing Water Right _____

10. a. Who owns the property at the point of diversion? Dover Bay Development
- b. Who owns the land to be irrigated or place of use? Lot owners within city limits
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: Easement agreement between City and Property owner

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary.

Proposal is to provide municipal water for domestic and minor yard irrigation to the residents within the City of Dover.

12. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year).

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Annie Shaha
Signature of Applicant

Signature of Applicant

ANNIE SHAHA Mayor
Print Name (and title, if applicable)

Print Name (and title, if applicable)

Received by [Signature] Date 5/13/14 Time _____ Preliminary check by _____
Fee \$ 290.00 Received by [Signature] Receipt No. N030442 Date 5/13/14

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
MUNICIPAL WATER RIGHT APPLICATION CHECKLIST
FOR AN APPLICATION TO APPROPRIATE WATER FOR MUNICIPAL PURPOSES

An application to appropriate water for municipal purposes must be prepared in accordance with the requirements listed below to be acceptable for processing by the Department. There are two types of permits for municipal water use. The first type of municipal permit provides water for reasonably anticipated future needs (RAFN) over a defined planning horizon.¹ The second type of municipal permit, called non-RAFN, provides water solely for use to meet needs that will arise in the near-term (five years).² A non-RAFN permit may have an annual volume limitation associated with it. Each type of municipal water use has a distinct set of review requirements.

Applicant Name: City of Dover

1. Type of Municipal Provider. Applicant must qualify as a Municipal Provider to obtain a municipal water right. See Idaho Code § 42-202B (5). Check one:

- ☒ Type 1 – Municipality
☐ Type 2 – Franchise or political subdivision supplying water to a municipality
☐ Type 3 – Corporation or association regulated as a “public water supply” system by IDEQ
☐ Attach documentation of qualification as a Municipal Provider. See Idaho Code § 42-202(2).

2. List existing Water Rights (permits, licenses, decrees, and beneficial use claims) available to the applicant for municipal needs. These rights may or may not have a purpose of use expressly defined as “municipal”. Include a separate attachment as needed.

Right Number	Nature of Use	Diversion Rate (cfs)	Annual Vol. (acre-feet)	Service Area
96-8592	Municipal	0.23	166	City Limits
96-09247	Irrigation	2.0	477	Dover Bay Development
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

3. List the total diversion rate from Item 2. Be sure to account for any combined diversion rate limits in the approval conditions of each right listed. 1.57 CFS (total from 2)
4. List the total volume from Item 2. Be sure to account for any combined volume limits in the approval conditions of each right listed. 1136 AF (total from 2)

¹ For a thorough discussion of RAFN water rights, see IDWR’s *Recommendations for the Processing of Reasonably Anticipated Future Needs (RAFN) Municipal Water Rights at the Time of Application, Licensing, and Transfer*.

² For a thorough discussion of non-RAFN water rights, see IDWR’s Application Processing Memorandum No. 18.

5. Planning Horizon. See Idaho Code § 42-202B (7). Check one:

- ☐ RAFN. Specify planning horizon: ____ years. Go to Item 6.
☒ Non-RAFN (≤5 years). Go to Item 7.

6. If application is for RAFN:

- ☐ Attach justification for planning horizon. See Idaho Code § 42-202(2) and § 42-202B(7).
☐ Attach description of service area. See Idaho Code § 42-202(2) and § 42-202B(9).
☐ Attach population projection within the service area over the planning horizon. See Idaho Code § 42-202(2) and § 42-202B(8).
☐ Attach evaluation for demand within the service area over the planning horizon. See Idaho Code § 42-202(2) and § 42-202B(8).

Does demand exceed the totals listed in Items 3 and 4?

Y N

- ☐ ☐ Rate?
☐ ☐ Volume?

If the answer is “No” to both rate and volume and a new point of diversion is needed, file a transfer application pursuant to Idaho Code § 42-222(1).

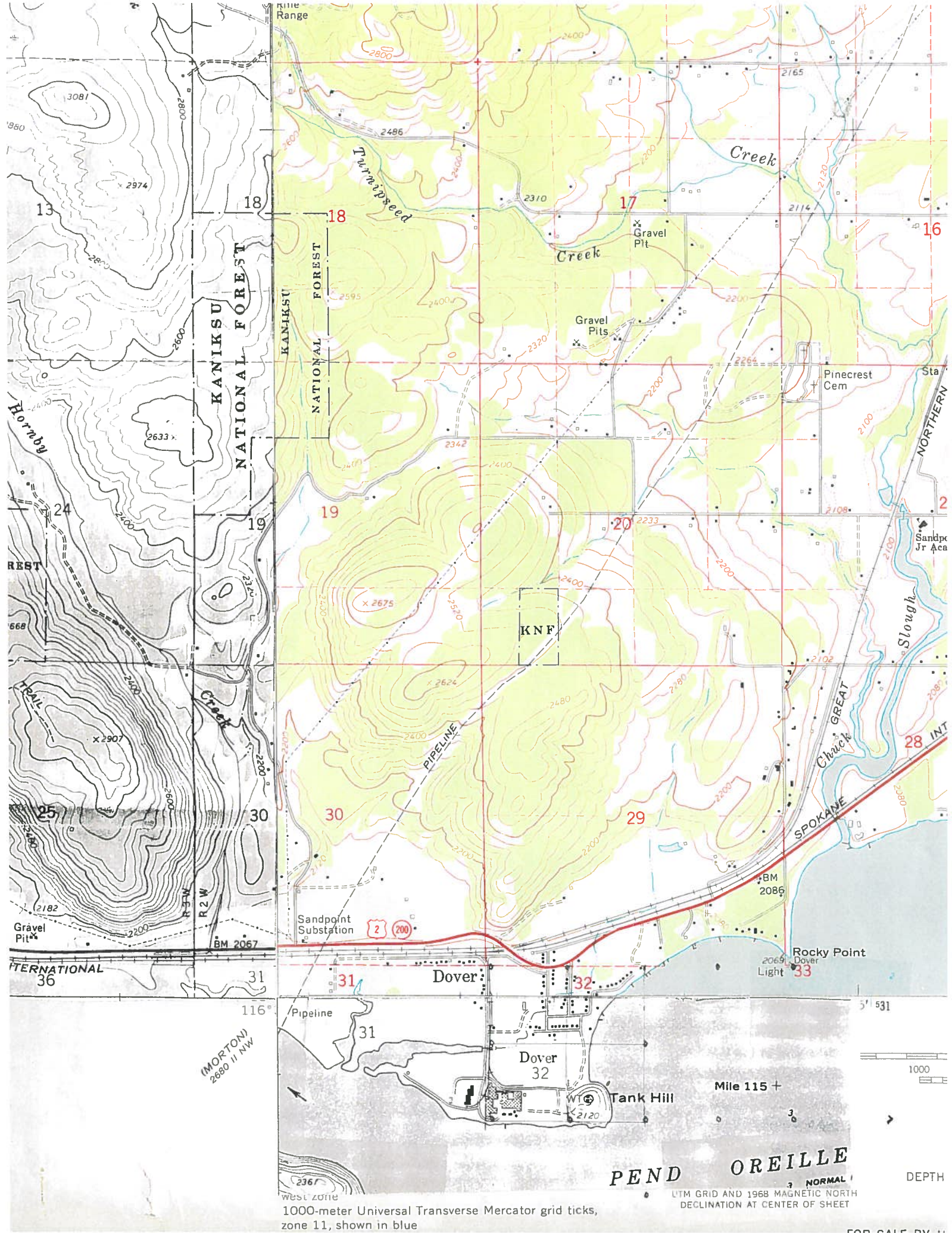
7. If application is for non-RAFN:

When submitting proof of beneficial use, non-RAFN permit holders will be required to show that water was diverted for an additional increment of beneficial use over existing water rights during the authorized development period, which may be up to five years from the date of approval. Do existing demand and short term needs exceed the combined authorizations from the existing water rights listed in Items 3 and 4?

Y N

- ☒ ☐ Rate?
☒ ☐ Volume?

If the answer is “No” to both rate and volume and a new point of diversion is needed, file a transfer application pursuant to Idaho Code § 42-222(1).



1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue

PEND OREILLE
UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

DEPTH

Ball, Dianne

From: Ball, Dianne
Sent: Wednesday, June 04, 2014 3:18 PM
To: mary.terra-berns@idfg.idaho.gov; jbrady@idl.idaho.gov
Subject: RE: Application for Permit No. 96-9543 and 96-9544
Attachments: App__and_map_96-9544.pdf; App__and_map_96-9543.pdf

Dear Mary and Jim:

The Department of Water Resources is seeking written comment and/or recommendations from your agency regarding the above referenced water right application. A copy of each of the applications is enclosed for your reference.

Your prompt response to this request is appreciated. If your agency desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days after final publication.

This is scheduled to publish in Bonner County Daily Bee on June 19 and 26, 2014 with July 7, 2014 as final date for protests to be received in our office.

I will be out of the office for surgery recovery so please contact Eric Davis with any response or questions regarding either of these two applications.

Sincerely,
Dianne Ball

Administrative Assistant
Idaho Department of Water Resources
7600 N Mineral Dr., Ste. 100
Coeur d'Alene, ID 83815
208-762-2800 Fax 208-762-2819



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region, 7600 Mineral Drive, Suite 100, Coeur d'Alene, Idaho 83815

Phone: (208) 762-2800 FAX: (208) 762-2819 www.idwr.idaho.gov

June 4, 2014

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

CITY OF DOVER
PO BOX 115
DOVER, ID 83825

Application For Permit No. 96-9543

Dear Applicant(s):

The Department of Water Resources has received your water right application. Please refer to the number referenced above in all future correspondence regarding this application.

A legal notice of the application has been prepared and is scheduled for publication in the BONNER COUNTY DAILY BEE on 6/19/2014 and 6/26/2014. Protests to this application may be submitted for a period ending ten (10) days after the second publication.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the permit.

Please contact this office if you have any questions regarding the application.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eric Davis'.

Eric Davis
Water Resource Agent, Senior

Ball, Dianne

From: Ball, Dianne
Sent: Wednesday, June 04, 2014 2:46 PM
To: Legal Notices-Bonner Co Daily Bee-Amber Bangeman
Cc: Davis, Eric
Subject: Application for Permit No. 96-9543, 96-9544
Attachments: LegalNotice 06-04-14 e-mail, BCDB 96-9543, 9544.doc

Hi, Amber,

Please publish the enclosed legal notice on the dates indicated, June 19 and 26, 2014 (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

Please send a proof/preview copy for my review before this goes to press.

This should be very close to press ready for **2 column**, 8 pt, CenturyOldStyle font, and justified – hopefully just an easy copy and paste.

I will be out of the office for a few weeks, but will be able to check e-mail from home.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 7/7/2014. Your cooperation is always greatly appreciated.

Thanks for all your super help in making sure our legals print as submitted.

Dianne Ball

Administrative Assistant
Idaho Department of Water Resources
7600 N Mineral Dr., Ste. 100
Coeur d'Alene, ID 83815
208-762-2800 Fax 208-762-2819

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

96-9543

CITY OF DOVER

PO BOX 115

DOVER, ID 83825

Point of Diversion NWSW S32 T57N R02W BONNER County

Point of Diversion NESW S32 T57N R02W BONNER County

Point of Diversion NESE S31 T57N R02W BONNER County

Source PEND OREILLE RIVER tributary COLUMBIA RIVER

Use: MUNICIPAL 01/01 to 12/31 1.34 CFS

Total Diversion: 1.34 CFS

Date Filed: 5/13/2014

Place of Use: MUNICIPAL

Municipal use is within the service area of the applicant.

96-9544

SEASONS AT SANDPOINT

424 SANDPOINT AVE

SANDPOINT, ID 83864

Point of Diversion L2(SWNW) S23 T57N R02W BONNER CO

Source LAKE PEND OREILLE tributary PEND OREILLE RIVER

Use: INDUSTRIAL 01/01 to 12/31 0.04 CFS

Use: IRRIGATION 04/01 to 10/31 0.03 CFS

Total Diversion: 0.07 CFS

Date Filed: 5/23/2014

Place of Use: INDUSTRIAL T57N R02W S23

L1(NWNW) L2(SWNW)

Place of Use: IRRIGATION same as INDUSTRIAL

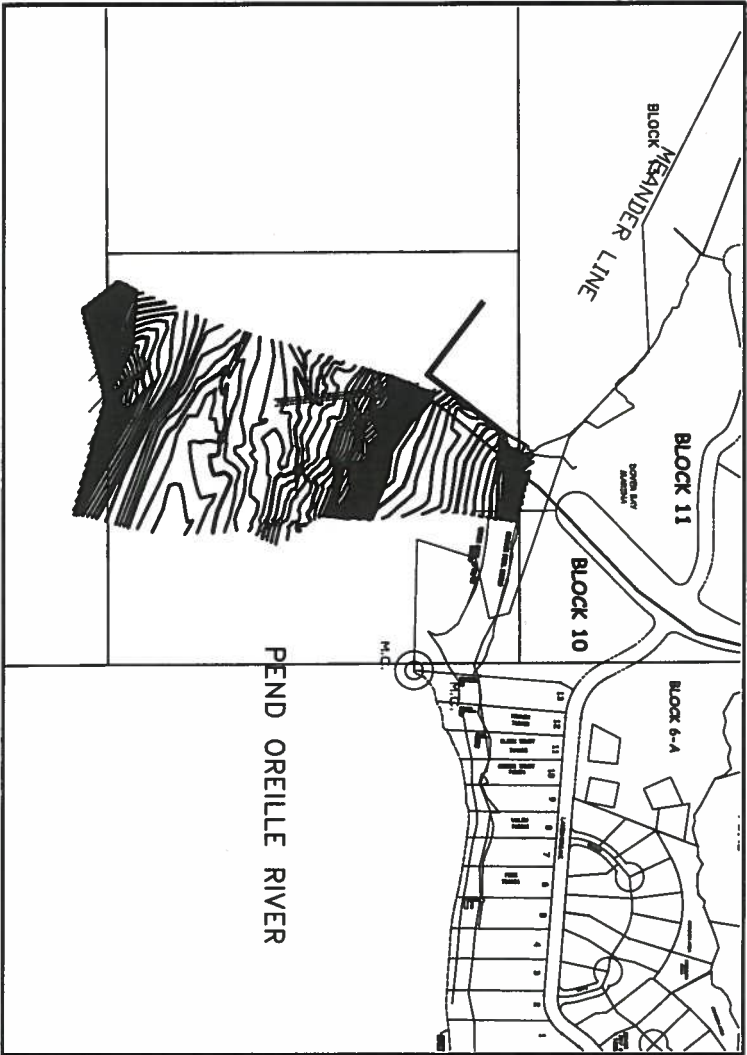
Total Acres: 1

Industrial use is for washing docks.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Northern Region office at (208) 762-2800. Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Northern Region, 7600 Mineral Drive, Suite 100, Coeur D' Alene ID 83815 together with a protest fee of \$25.00 for each application on or before 7/7/2014. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 6/19/2014 and 6/26/2014



SITE
NTS



VICINITY MAP
NTS

City of Dover Raw Water Intake Construction Plans

City of Dover
Sec. 31, T57N., R.2W., B.M., Bonner County, Idaho.

City Dover
P.O. Box 115
Dover, ID 83825

ENGINEER

TATE
ENGINEERING INC.



1103 N. 4th Street Coeur d' Alene Idaho,
83814 (208)676-8708 FAX: (208)667-2129
E-MAIL: rate@tate-eng.com

INDEX OF SHEETS

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6. Proposed Vault at SSF Site
7. Existing Pump Vault Layout
8. Proposed Pump Vault Layout
9. Proposed Metering Vault Layout at SSF
10. Details
11. Details
12. Survey of Slow Sandfilter Site

NOTE

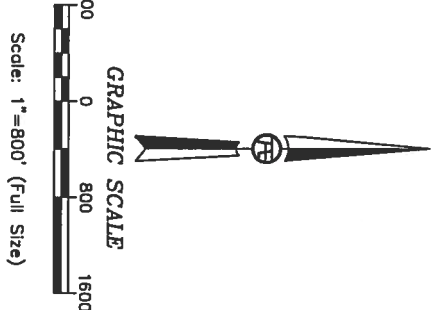
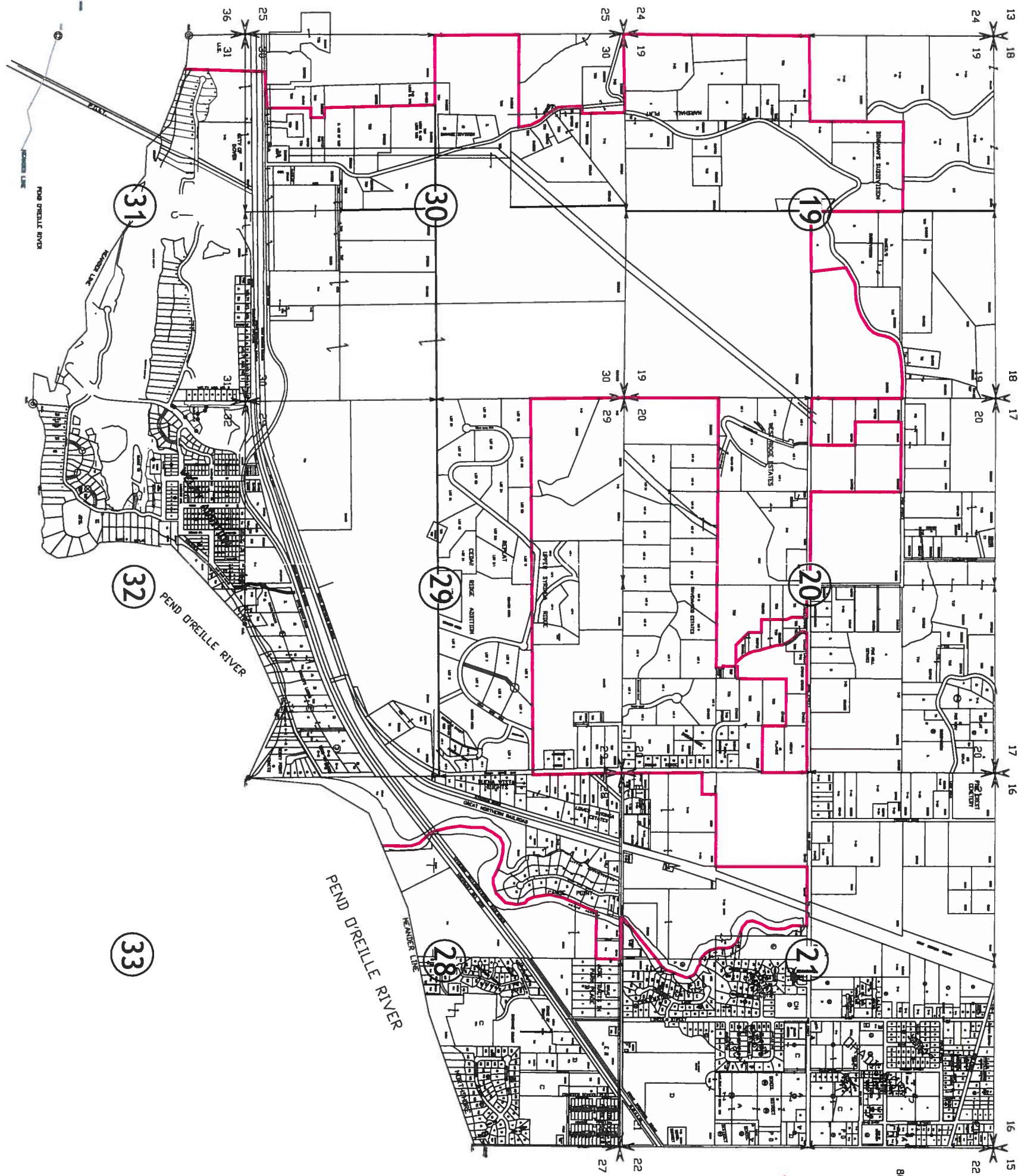


THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

CALL 48 HOURS BEFORE YOU DIG
CALL 811



Township 57 North, Range 2 West



LEGEND
CORPORATE CITY LIMITS

City of Dover
Bonner County, Idaho
Public Land Survey System Sections and
Corporate City Limits

PROJECT: 11.048b
DRAWING: ZONING MAP OF DOVER
DESIGN BY: RMT
DRAWN BY: dps
CHK. BY: RMT
LAST EDIT DATE: 5/6/14

REVISION			
NO.	DESCRIPTION	BY	DATE

REUSE OF DRAWING
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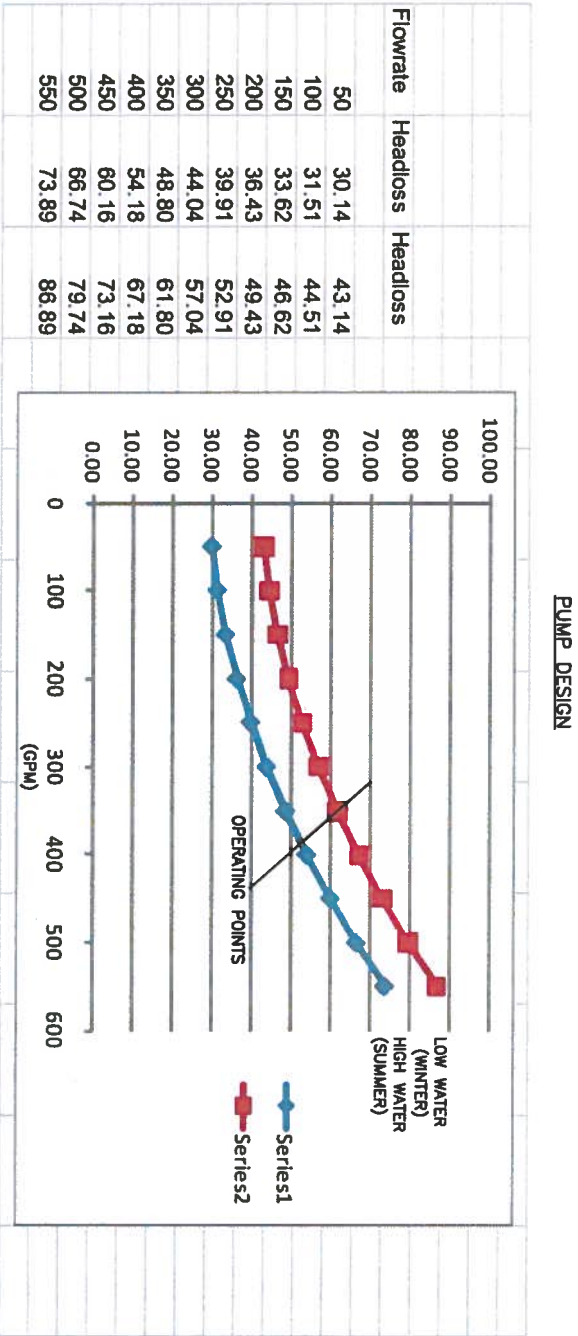


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E-MAIL: tate@tate-eng.com

PRELIMINARY
PLANS
NOT FOR
CONSTRUCTION

PROJECT EXPLANATION

THE EXISTING CITY OF DOVER RAW WATER INTAKE IS FAILING AND NEEDS TO BE UPGRADED, BUT CANNOT BE COMPLETED WITHOUT A BACKUP IN PLACE. THIS NEW INTAKE WILL NOT ONLY PROVIDE REDUNDANCY AND ADDITIONAL SUPPLY FOR THE CITY, BUT WILL ALSO PROVIDE A MEANS OF UPGRADING THE EXISTING INTAKE. THE COMPLETION OF THIS NEW INTAKE WILL EVENTUALLY LEAD TO THE UPGRADE OF THE EXISTING INTAKE AND A NEW WATER TREATMENT PLANT.



PUMP SERVICING

THE PUMP WILL BE PULLED BY STANDARD METHOD, WHICH IS DISCONNECTING THE DELIVERY PIPE WITHIN THE IRRIGATION VAULT, AND THEN PULLING OUT OF THE SLEEVE. THE PUMP WILL SET APPROXIMATELY 430 LINEAL FEET INTO THE SLEEVE. AFTER THE PUMP HAS BEEN SERVICED, IT WILL BE REINSTALLED IN THE REVERSE ORDER THAT IT WAS REMOVED. THE PROCEDURE WILL BE EXACTLY THE SAME AS THAT OF THE EXISTING INTAKE.

- GENERAL NOTES:**
- All work shall conform to the Idaho Standards for Public Works Construction,* current edition.
 - The Contractor shall notify the appropriate utility company prior to starting work near any facilities and shall coordinate this work with company representatives. All utility services shall be installed underground. For existing utility locations, contact CALL BEFORE YOU DIG at 811 at least 48 hours prior to starting any excavations.
 - Work shall not begin until a Permit and Notice to Proceed is issued by the Design Engineer and IDEQ.
 - The Contractor shall notify the Design Engineering Inspector 48 hours prior to starting work.
 - The Contractor shall have an approved set of improvement plans on the job site at all times.
 - Concrete shall be portland concrete cement with a minimum 28 day compressive strength of 3000 psi.
 - All underground utility laterals shall be installed and approved before construction of curbs, cross gutters, or surfacing of the streets.
 - Where trenches are within public easements, compaction test results shall be submitted to the Engineer of Record.
 - All operations conducted on the premises, including the watering up, repair, arrival, departure or running of trucks, earthmoving equipment, construction equipment and any other associated equipment shall generally BE limited to the period between 6:00 a.m. and 5:00 p.m. everyday unless otherwise approved by City of Dover.
 - All existing improvements including curb and gutter, sidewalks, asphalt, concrete or P.C.C. paving, which are being joined or matched in connection with this project, shall be joined or matched in a manner satisfactory to the Design Engineer, including necessary sawcutting, removal, replacement and capping.
 - No revisions shall be made to these plans without the approval of the Design Engineer.

- WATER SYSTEM NOTES:**
- The minimum water service shall be one (1) inch.
 - Water mains shall be AWWA C-900 pipe (DR-18) and shall be constructed with the top of the pipe at a minimum of 60 inches below finish grade except where otherwise indicated with specific elevations and approved by the Design Engineer.
 - No disruption of existing water services while making connection to existing mains shall be allowed without specific approval from the City of Dover. All affected properties must be notified at least 48 hours prior to shut-off. Failure to comply with notifying or other requirements could result in a stop-work notice, fines, and/or other penalties.
 - No connections for the purpose of obtaining water supply during construction shall be made without first obtaining approval from the City of Dover.
 - The existence and location of water facilities shown on the plans were obtained by a search of available City of Dover records. Location and elevation of existing water facilities shall be confirmed by field measurements and excavation exploration by the contractor prior to beginning of new work. This will allow time to permit revision of plans, as necessary, because of conflicts with other facilities.
 - The Design Engineering Inspector shall be notified at least 48 hours prior to any inspection.
 - All fittings or appurtenances removed from the water lines shall be returned by the contractor to the City of Dover.
 - All water mains, valves, fire hydrants, services, and appurtenances shall be returned by the contractor to the City of Dover.
 - All water mains shall be tested in accordance with City of Dover requirements. Hydrostatic testing shall be witnessed by the design engineer. Results of chlorination and bacterio tests shall be submitted to the design engineer for approval.

City of Dover Raw Water Intake
City of Dover Located in
Sec 31, T57N., R.2W., B.M., Bonner County, Idaho.
Notes

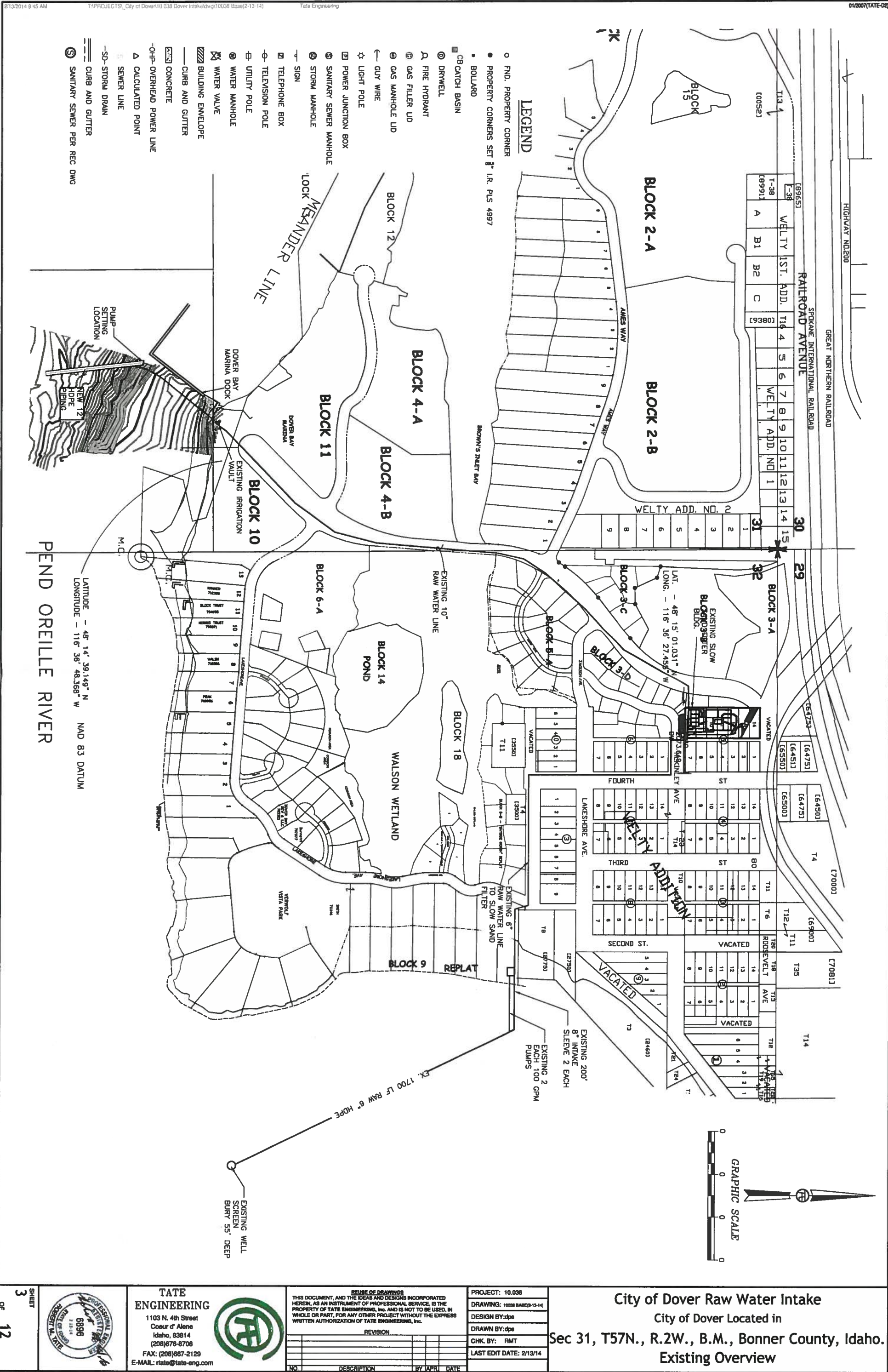
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DRAWING:	10038 BASE(2-13-14)
DESIGN BY:	dps
DRAWN BY:	dps
CHK. BY:	RMT
LAST EDIT DATE:	2/13/14

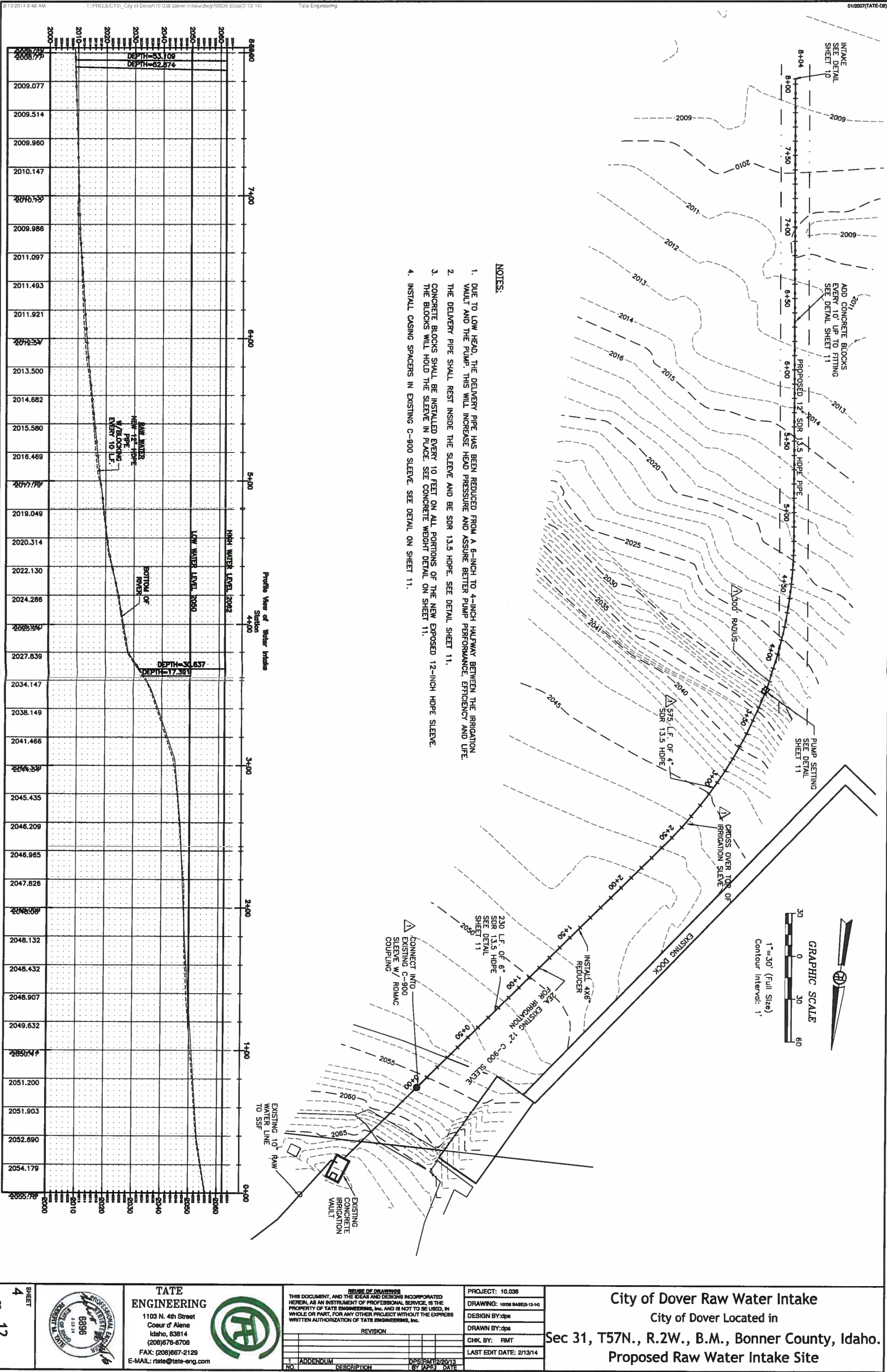
REVISION			
NO.	DESCRIPTION	BY	DATE

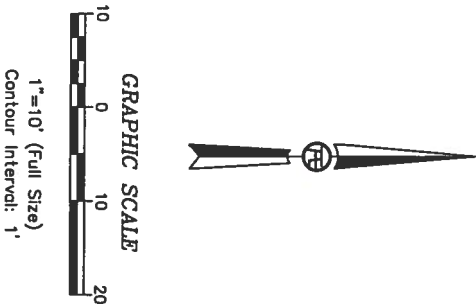
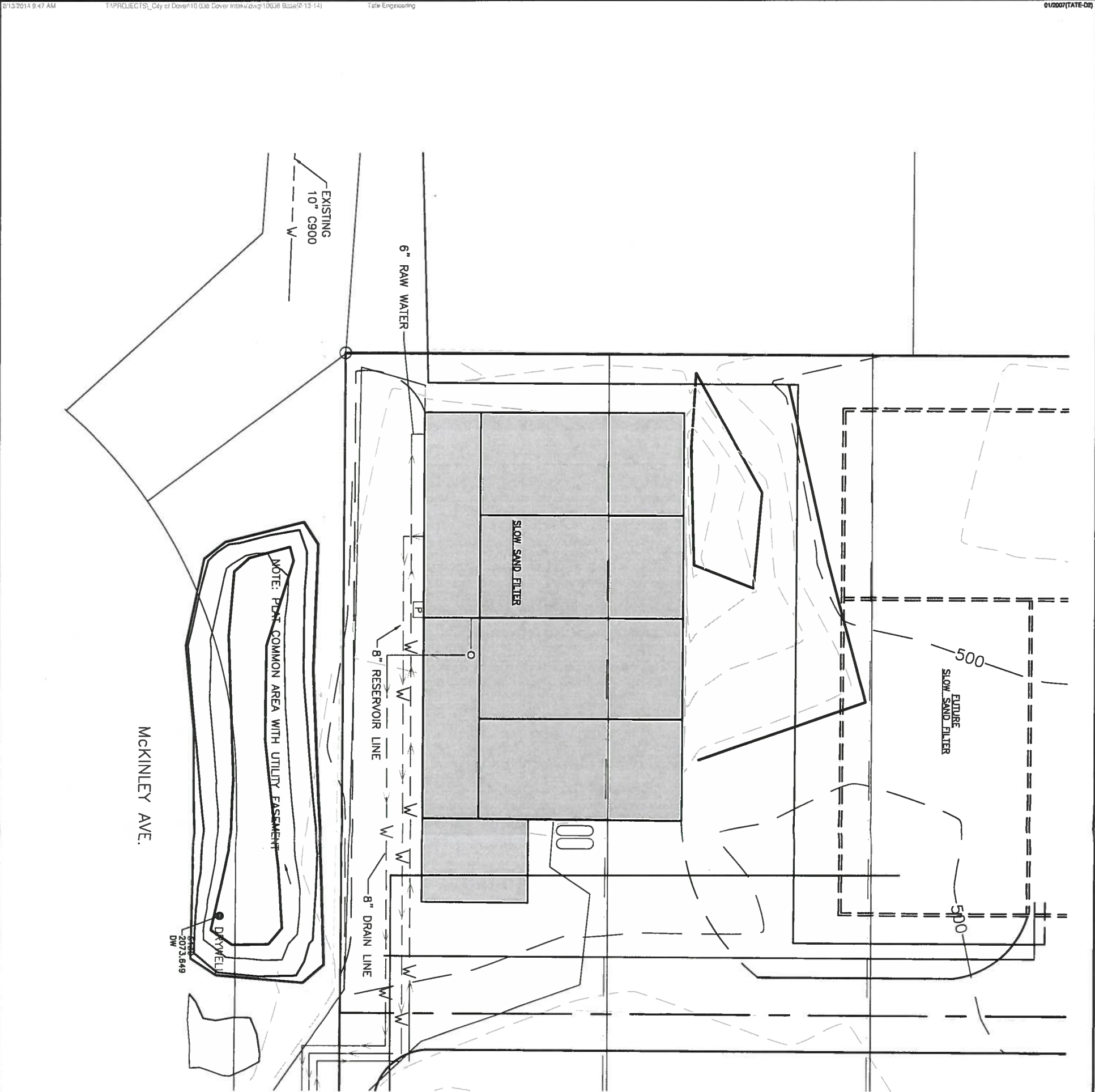


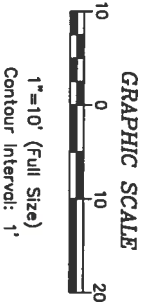
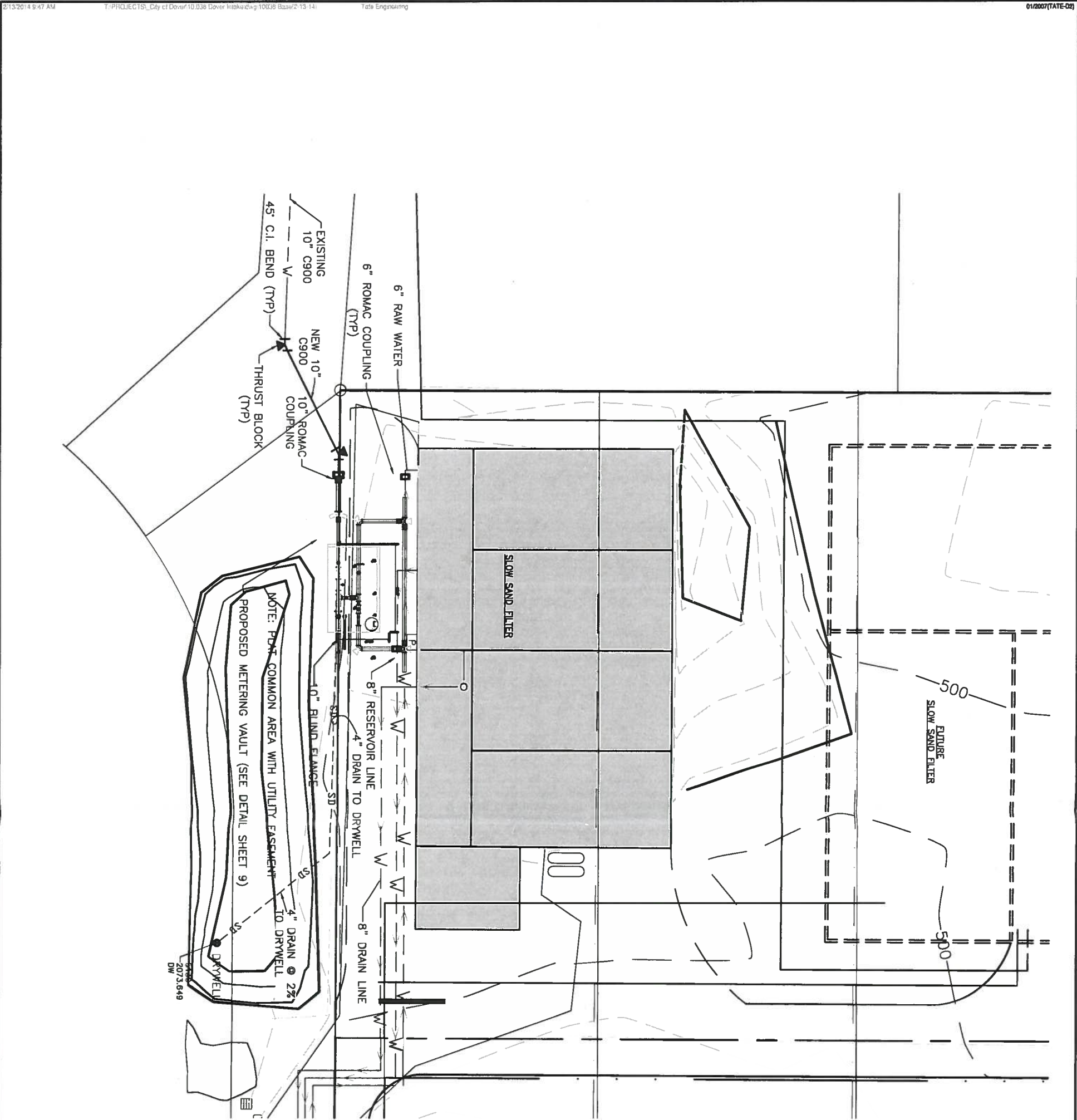
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E-MAIL: rtate@tate-eng.com

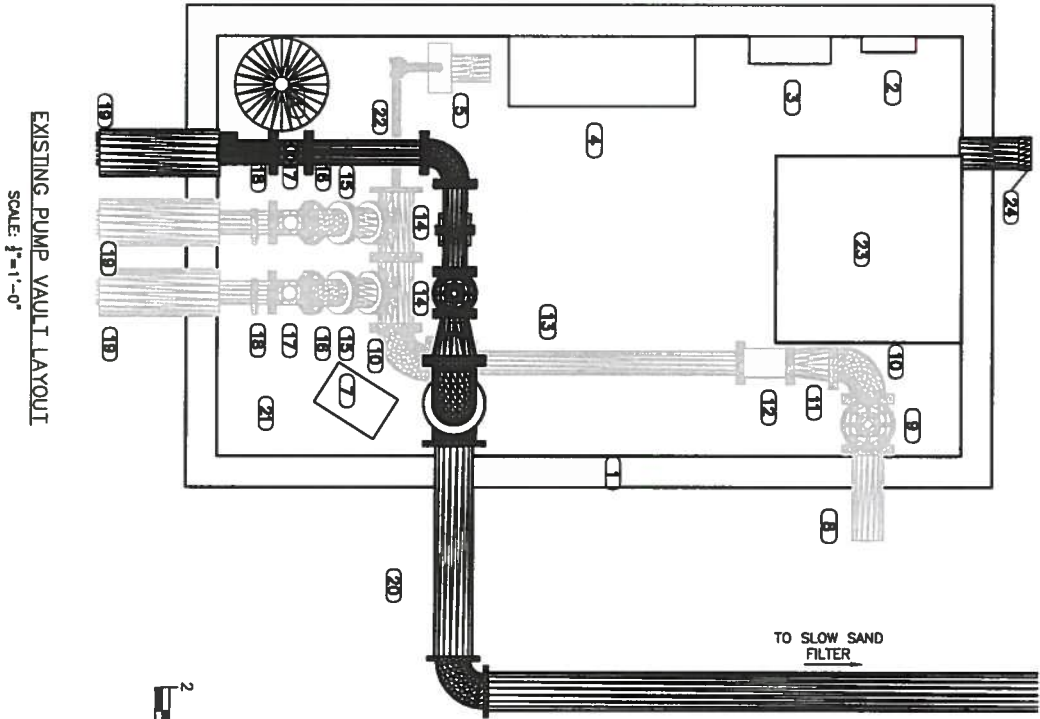




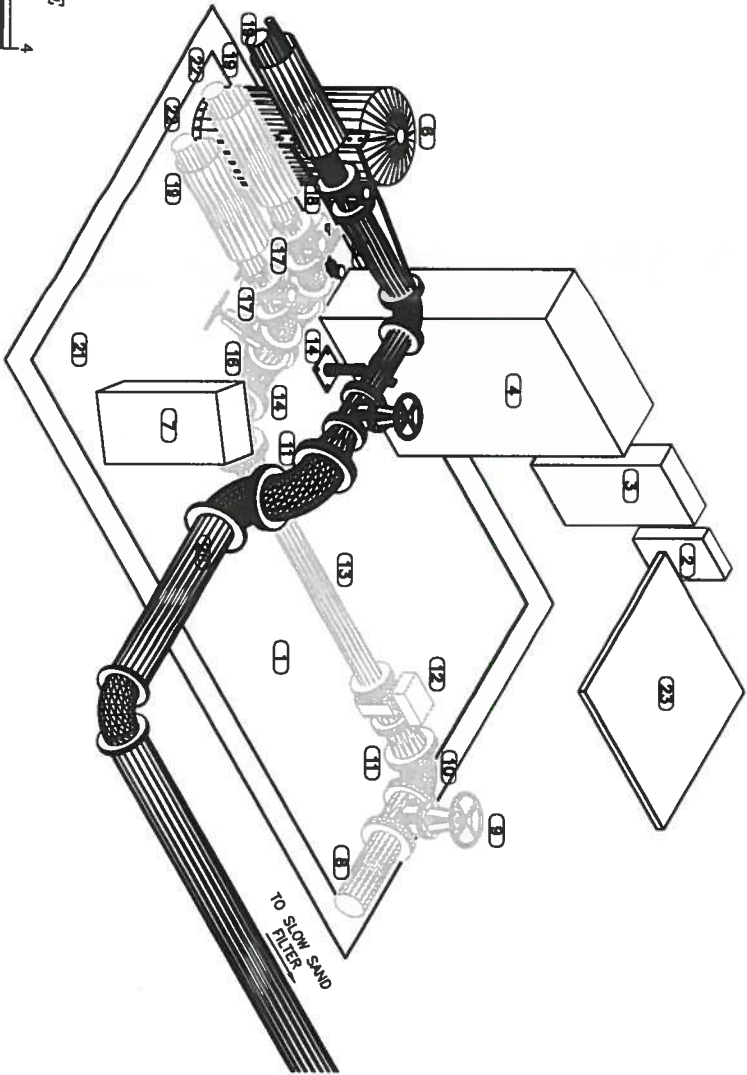
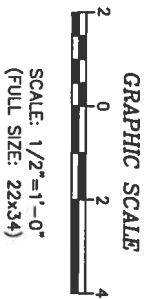








EXISTING PUMP VAULT LAYOUT
SCALE: 3/4"=1'-0"



EXISTING PUMP VAULT LAYOUT ISOMETRIC
NOT TO SCALE

- EXISTING VAULT
- (1) VAULT - 16'-8" INSIDE DIM.
 - (2) ELECTRICAL PANEL, 14"x4"
 - (3) ELECTRICAL PANEL, 21"x7"
 - (4) VFD MOTOR CONTROL PANEL, 48"x18"
 - (5) PRIMING PUMP - 5 HP BALDOR
 - (6) PRESSURE TANK - 125 GAL.
 - (7) HUMIDITY CONTROLLER
 - (8) 8" D.I. PIPE
 - (9) 8" GATE VALVE
 - (10) 8" 90° BEND
 - (11) 8"x6" REDUCER
 - (12) 6" FLOW METER
 - (13) 8" D.I. SPOOL - 67" LONG
 - (14) 8" TEE
 - (15) 8" GATE VALVE
 - (16) 8" 45° BEND
 - (17) 8" CHECK VALVE
 - (18) 6"x1" OSS SADDLE
 - (19) 12" C-900 SLEEVE
 - (20) 10" D.I.
 - (21) 6" FLOOR DRAIN
 - (22) 2" GALV. PIPE
 - (23) 4"x4" DOUBLE LID ALUM. HATCH
 - (24) 8" BLIND FLANGE

PROFESSIONAL ENGINEER
6886
2.13.14
BOBBI M. TATE

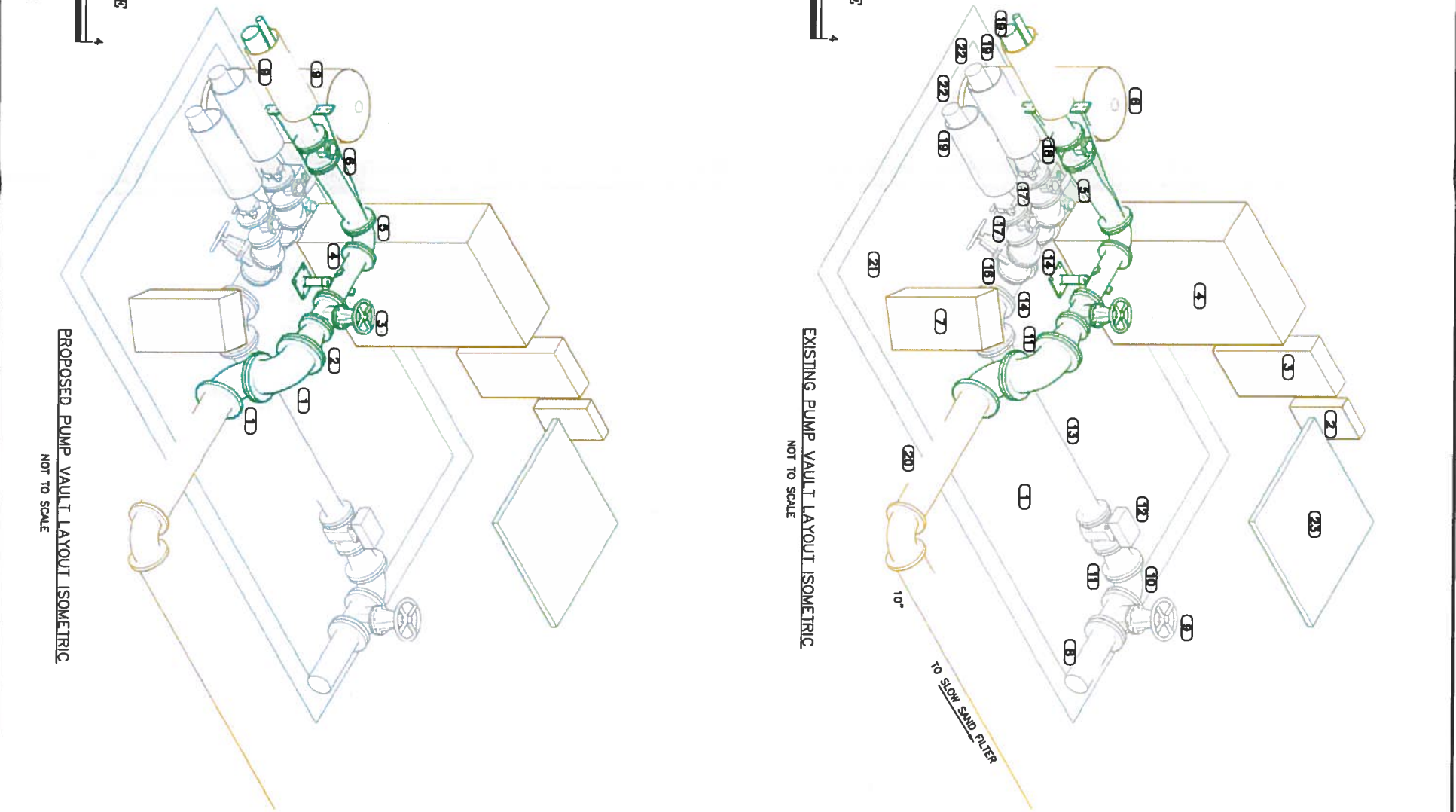
TATE
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(208)676-6708
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REVISION			
NO.	DESCRIPTION	BY	DATE

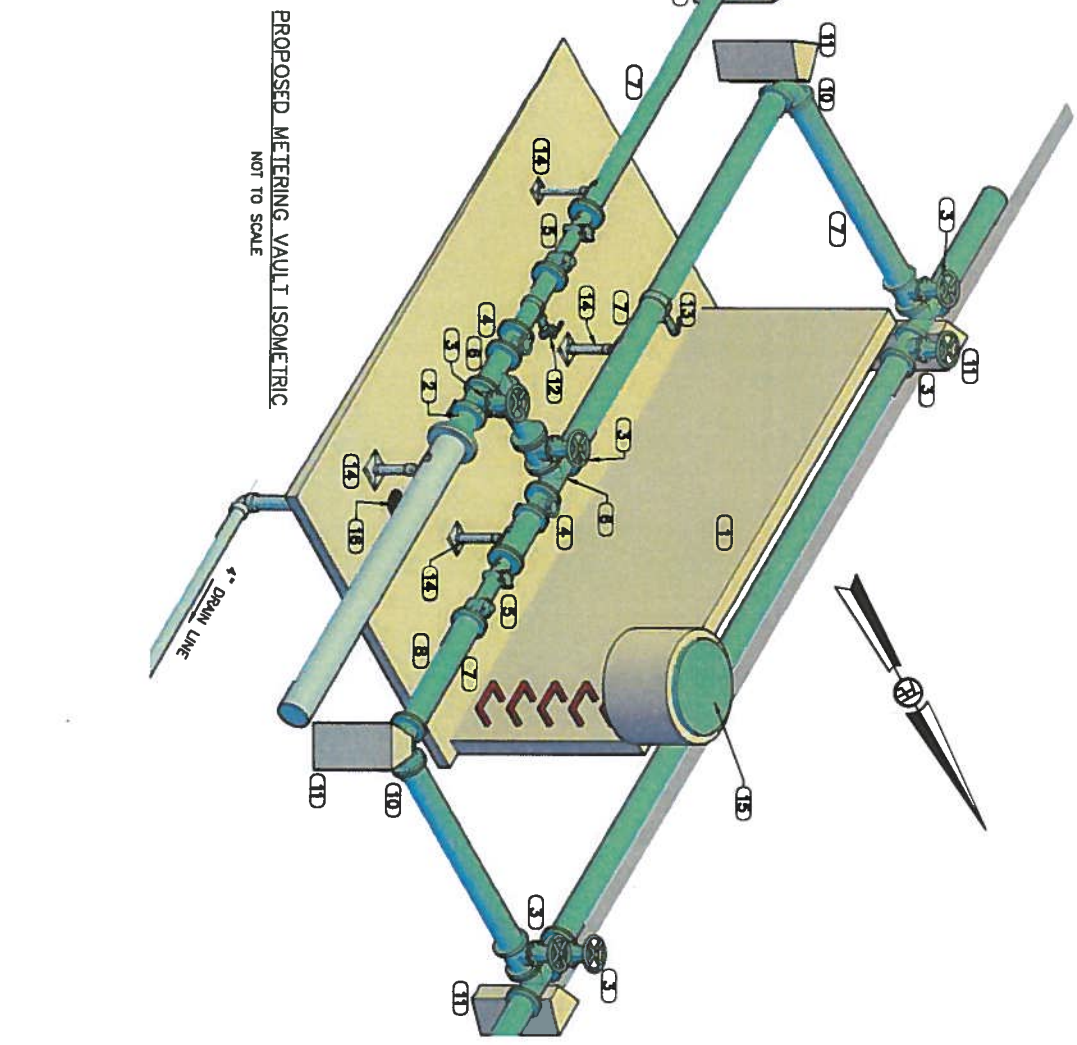
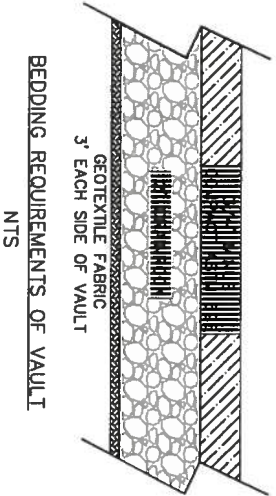
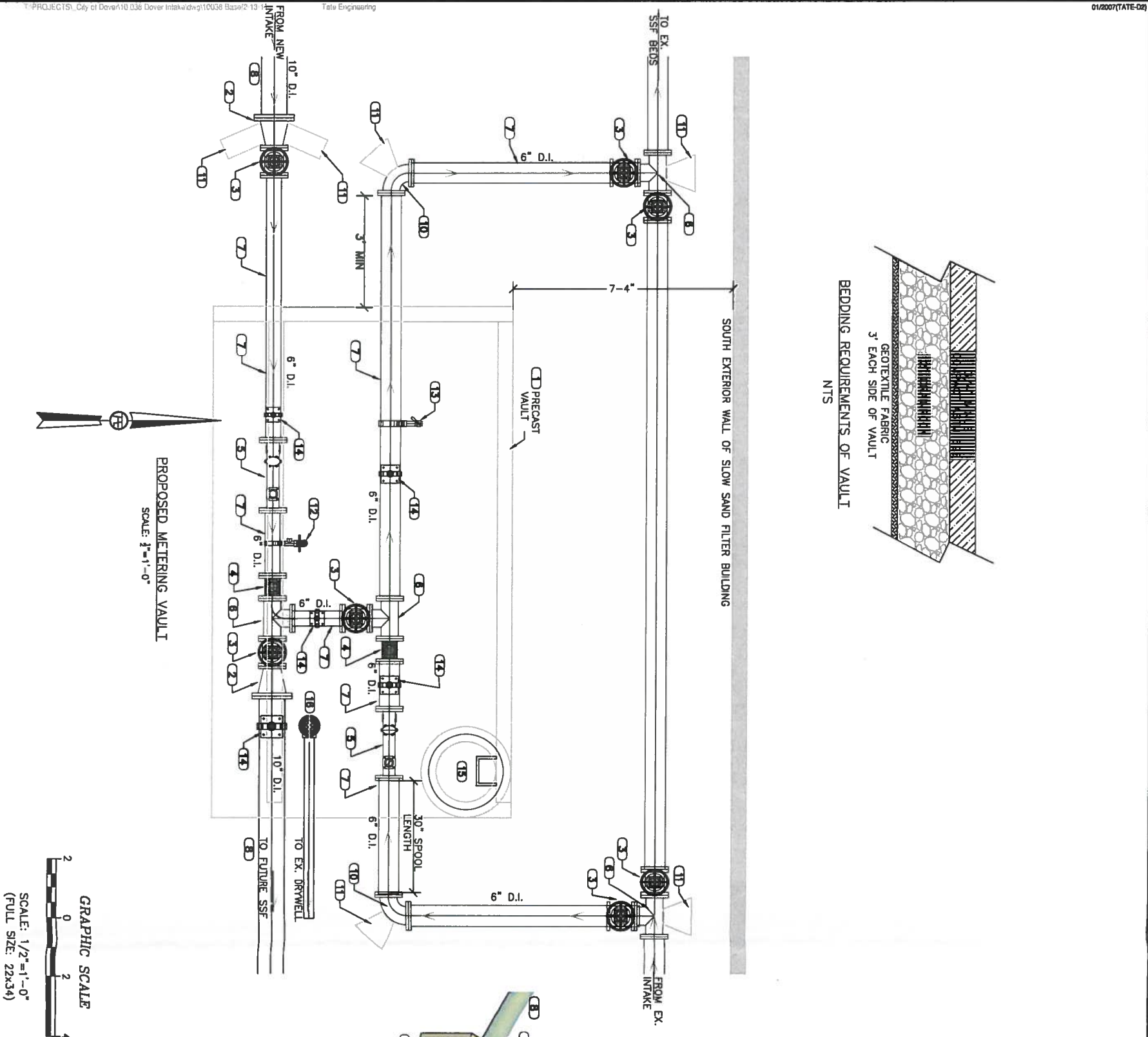
PROJECT: 10.038
DRAWING: 10038 BASE(2-13-14)
DESIGN BY:dps
DRAWN BY:dps
CHK BY: RMT
LAST EDIT DATE: 2/13/14

City of Dover Raw Water Intake
City of Dover Located in
Sec 31, T57N., R.2W., B.M., Bonner County, Idaho.
Existing Pump Vault Layout



- | PROPOSED VAULT | |
|----------------|---|
| 1 | 10" 90° BEND |
| 2 | 10" X 6" REDUCER |
| 3 | 6" GATE VALVE |
| 4 | 6" DIA SPOOL, 22.5" LONG |
| 5 | 6" 90° BEND |
| 6 | 6" HDPE SPOOL |
| 7 | 8" CHECK VALVE |
| 8 | 3/4" HDPE AIRLINE TO INTAKE
W/STANDARD AIR HOSE CONNECTION |
| 9 | PIPE RESTRAINT |

2/13/2014 9:50 AM T:\PROJECTS\City of Dover\10.038 Dover Intake\dwg\10038 Base(2-13-14).dwg Tate Engineering 01/2007(TATE-09)



- PROPOSED VAULT**
- (1) WILBERT 10"x17" PRECAST VAULT
 - (2) 10"x6" C.I. REDUCER
 - (3) 6" RS GATE VALVE W/ VALVE BOX
 - (4) 6" GLOBE STYLE CHECK VALVE
 - (5) 6" MACROMETER FLOW METER
 - (6) 6" C.I. TEE
 - (7) 6" DUCTILE IRON PIPE
 - (8) 10" DUCTILE IRON PIPE
 - (9) 10" RS GATE VALVE
 - (10) 6" C.I. 90° BEND
 - (11) CONCRETE THRUST BLOCK
 - (12) DSS SADDLE W/SMOOTH NOSED SAMPLE TAP
 - (13) DSS SADDLE W/2" FLUSH TO WASTE
 - (14) STEEL PIPE SUPPORT
 - (15) TANK ACCESS LID
 - (16) 4" FLOOR DRAIN

THIS TABLE BASED ON 150 PSI MAIN PRESSURE 2000 PSF SOIL BEARING PRESSURE

[illegible]

ZONE 1: A) NO SPECIAL REQUIREMENTS
ZONE 2: A) WATER AND GPP, SEPARATED BY AT LEAST 8 FEET AT OUTLET BOWLS
AND B) WATER AT LEAST 18 INCHES DEEPER IN ELEVATION THAN THE GPP.
AND OTHER C) GPP, CONSTRUCTED TO WATER MAIN STANDARDS AND PRESSURE, TESTED FOR WATER TIGHTNESS.
ON D) SEE SPECIFIC REQUIREMENTS APPROVED BY DEC.

ZONE 3: NOT ALLOWED.

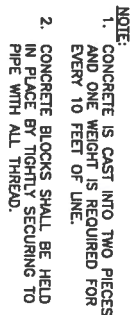
NOTE: SEPARATE ZONES FORMERLY HAVING BEEN ASKED FOR HORIZONTAL SEPARATION AND IF VERTICAL SEPARATION, ZONE 1 AND ZONE 3 PLACEMENTS ARE NOT ALLOWED.

NOTE: SANITARY SEWER FORCE MAINS MUST HAVE MIN. 10' HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION. ZONE 2 AND ZONE 3 PLACEMENTS ARE NOT ALLOWED.

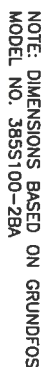


NOTE:
4. FOR PIPES SMALLER THAN 30"
6. FOR PIPES 30" AND LARGER

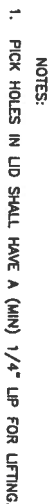
TYPICAL TRENCH SECTION
FROM ISPPC STANDARD DRAWING SD--301



N.T.S



N. J.



N.T.S.



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REVISION					
NO.	DESCRIPTION	BY	APP.	DATE	

PROJECT: 10.036	 ASMT EXHIBIT 10.036
DRAWING: 10036 -SHT 12	
DESIGN BY: Tate	
DRAWN BY: dch	
CHK. BY: RMT	
LAST EDIT DATE: 2/13/14	 ASMT EXHIBIT 10.036

City of Dover
City of Dover Located in
Sec 31, T57N., R.2W., B.M., Bonner County, Idaho.
Survey of Slow Sand Filter Site