

NEW HAMPSHIRE DRINKING WATER & GROUNDWATER TRUST FUND



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Vacant, House of Representatives

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Paul Sanderson, NH Fish and Game Department

Bernie Rousseau, Public Member

Robert R. Scott, NH Department of Environmental Services

Tim Vadney, P.E., NH Water Pollution Control Association

Christopher S. Way, NH Economic Development

January 14, 2019

Larry D. Goodhue, Chief Executive Officer Pennichuck Water Works, Inc. 25 Manchester Street P.O. Box 1947 Merrimack, NH 03054

Subject: 2018 Drinking Water and Groundwater Trust Fund Pre-Application, dated June 15, 2018 and Submission of Project for Consideration of Loan Funds from the NH Drinking Water Groundwater Trust Fund, dated November 2, 2018

Project: Merrimack River Raw Water Intake, Merrimack

Dear Mr. Goodhue,

Congratulations on your recent loan award from the Drinking Water and Groundwater Trust Fund (DWGTF) Advisory Commission. On January 7, 2019, the DWGTF Advisory Commission authorized borrowing funds up to \$5,500,000 for the Merrimack River Raw Water Intake project presented in the subject documents.

The next step to move forward with securing the loan is completion and submission of a final application package. The required documents are listed on the enclosed checklist and are available online at https://www4.des.state.nh.us/nh-dwg-trust/?page_id=391. Once the final application has been submitted, the Funding Recipient will enter into a loan agreement, which must be approved by Governor and Council to be effective. The interest rate approved by the Advisory Commission effective on October 1, 2018 for 5, 10, 15, 20, 30, and 40-year loan terms is 3.38%.

The final application is due **by May 1, 2019**. Construction cannot begin until after Governor and Council approval and an environmental review has been completed. However, any non-construction project-related work that has been completed is eligible for reimbursement once the loan agreement is in place.

January 14, 2019 Merrimack River Raw Water Intake, Merrimack Page 2 of 2

We ask that you keep us informed of progress made toward seeking the authority to borrow. Should your project not move forward, please contact us as soon as possible. If you have any questions, please contact me at 603-271-8321 or at erin.holmes@des.nh.gov.

Sincerely,

Erin Holmes, P.E.

Drinking Water and Groundwater Trust Fund Administrator MtBE Remediation Bureau

Attachments: Final Application Checklist

Holmes

Cc: Michael Juranty, P.E., MtBE Remediation Bureau Administrator, NHDES Johnna McKenna, Drinking Water and Groundwater Bureau, NHDES John Boisvert, P.E., Chief Engineer, PWW, john.boisvert@pennichuck.com

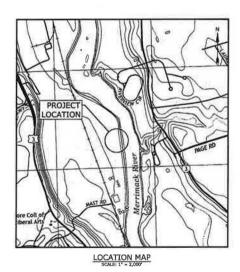
JJB 2

MERRIMACK RIVER INTAKE IMPROVEMENTS

MERRIMACK, NEW HAMPSHIRE PROJECT NO: P0597-3

JANUARY 2019

	LIST OF DRAWINGS
SHEET NO.	SHEET TITLE
G-001	COVER
G-100	ABBREVIATIONS, LEGENDS, AND GENERAL NOTES
C-101	EXISTING SITE CONDITIONS
C-102	INTAKE ALIGNMENT PLAN AND PROFILE
C-501	INTAKE DETAILS
C-502	PROCESS PIPING INTAKE STATION SITE AND FLOOR PLANS
C-503	SITE DETAILS
D-101	DEMOLITION INTAKE STATION FLOOR PLAN
S-001	STRUCTURAL ABBREVIATIONS, LEGEND AND GENERAL NOTES
S-100	STRUCTURAL INTAKE STATION INTAKE STRUCTURES PLA
S-101	STRUCTURAL PRECAST WET WELL STRUCTURE PLAN AND ELEVATIONS.
S-102	PLATFORM STRUCTURAL PLAN AND DETAILS
S-300	STRUCTURAL CAST-IN-PLACE JUNCTION STRUCTURE ELEVATIONS AND SECTIONS
L-101	LANDSCAPING PLAN AND DETAILS
E-101	ELECTRICAL INTAKE STATION FLOOR PLAN









OWNER:

PENNICHUCK WATER WORKS MERRIMACK, NEW HAMPSHIRE

RELEASED FOR BID

COMPLETE SET 15 SHEETS

2019PWWDWGTF000033

LEGEND

TRON ROD FOUND

MF 0	IRON ROD FOUND
Pro	IRON PIPE FOUND
D=10	DRILL HOLE FOUND
Œ	BLECTRIC METER
•	PAD MOUNTED TRANSFORMER
•	MANHOLE
	CONCRETE BOUND WITH DRILL HOLE
м	WATER GATE VALVE
Ф	UTILITY POLE
aro	GUY POLE
	GUY WIRE
0	DECEDUOUS TREE
0	CONTFEROUS TREE
-	SIGN (SINGLE POSTED)
	POST
@	BORING LOCATION
DESCRIPTION OF THE PROPERTY OF	GRAVEL.
	BEDROCK
200.400 garage 200.	SEDIMENT/OVERBURDEN
E 15/204/ E 15/604	RIP-RAP
	CLEAR AND GRUE LIMIT
	APPROXIMATE EXCAVATION LIMIT
	PROPERTY LINE
	PROPOSED AIRBURST PIPE
-	EXISTING WATER MAIN
	UNDERGROUND ELECTRIC
~	OVERHEAD ELECTRIC
***************************************	TREE LINE
x	EXISTING FENCE

----- INDEX CONTOURS

---- APPROXIMATE EDGE OF WATER WETLAND LINE EROSION CONTROL BARRIER

ABBREVIATIONS

V 25			
BOTTOM OF EXPLORATION	BOE	INVERT	IN
CAST IRON	a	TRON PIPE	IP
CONCRETE	CONC	MECHANICAL JOINT	M
DIMENSION RATIO	DR	NOT TO SCALE	N
DUCTILE IRON	DI	PROPERTY LINE	P
ELEVATION	BLEV	STAINLESS STEEL	55
EROSION CONTROL	EC	STATION	รา
GUY WIRE	GW	STONE BOUND	SE
GUY POLE	GP	UTILITY POLE	UF
HEGH DENSTTY POLYETHYLENE	HDPE	UTILITY STRUCTURE	v
INTERIOR DIAMETER	ID	WATER GATE VALVE	w

PROJECT DESCRIPTION

THE PRODUCT CONSISTS OF CONSTRUCTION OF A NEW PAW WATER DITAGE ON THE HERRIPHOCK ENVER IN MERRIPHOCK, No. THE DITAGE SHALL BE CONSTRUCTED BY INSTRUMENT AS 10x192 (INSIDE DIPERSIONS) INF-CAST CONCIDENT WIT WELL STRUCTURE AT THE SITTE OF THE ESISTING PAW WATER MERRIPHORAL KEVER INTAGE PIEW PROPRIOS STATION WITH A 4-HONG TEXT INTAGE THAT A PROPRIOS MATCH VIZ. 15 UP HORIZONTALLY INTO THE REVER. A 124-MIS-MIS-CAST-MIR-MICE SUPPLIES SHALL BE REPORTED FROM THE PROPRIOS STATION WITH A 4-HONG TEXT INFORMATION FOR THE PARTIES SHALL BE REMOVED FROM THE DIRECTOR BOARDON THE WITH WELL STRUCTURE AND COUNTRIES HOLD BE CONSTITUTED FOR SHALL BE REMOVED FROM THE DIRECTOR BOARDON THE WITH WELL STRUCTURE AND COUNTRIES HOLD BE CONSTITUTED AND CONNECTOR PIEW. BY THE WITH THE ADDRESS AND A SHALL BE CONSTITUTED WITH THE MISSISSIPPLY AS A MISSISSIPPLY SHALL BE CONSTITUTED WHICH THE DIRECTOR AS THE CONSTITUTE OF WITH THE DIRECTOR AS THE CONSTITUTED WHICH THE DIRECTOR AS THE CONSTITUTED WHICH THE DIRECTOR AS THE CONSTITUTED WHICH THE DIRECTOR AS THE DIRECTOR AS THE DIRECTOR WITH THE DIRECTOR AS T

GENERAL NOTES

- Existing littlify locations and land elevations are based on a ground survey conducted by dought survey in Manary 2017, Prode to construction, different the Exact Location of Utilities by 1957 RT. Or other methods whese regulates, when althorozzo by the Exonser, vertical colature is added on invoice.
- $\mathbf{z}_{\scriptscriptstyle \parallel}$ Stream Bed elevations are based on a Bathymetric survey conducted by substructure Inc. in May 2015,
- 3, BORING LOCATIONS SHOWN ARE APPROXIMATE ONLY AND BORINGS ARE NOT GUARANTEED TO REPRESENT THE EXISTING CONDITIONS, LOSS ARE INCLUDED IN PROJECT MANUAL.
- 4. PROVIDE SEDIMENTATION AND EROSION CONTROL MEASURES PRIOR TO BEGINNING ANY CONSTRUCTION.
- MAINTAIN EROSION CONTROL DEVICES THROUGHOUT CONSTRUCTION, UISPECT AFTER EACH RADISTORM AND DURING MAJOR STORM EYEMTS TO DETERMINE THAT ALL SEDIMENTATION AND SHOSION CONTROL MEASURES ARE ADEQUATELY IN PLACE AND EFFECTIVE.
- WHERE HEAVY EQUIPMENT WILL CROSS EXISTING BELOW GRADE UTILITIES PROVIDE PROTECTION OF BELOW GRADE UTILITIES BY STEEL PLATING OR OTHER MEANS AS NECESSARY.
- STORE ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS IN A SECONDARY CONTAINER AND REMOVE FROM THE SITE TO A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR DURING NON WORK HOURS.
- PROVIDE A SUPPLY OF ABSORBENT SPILL RESPONSE MATERIALS SUCH AS BOOMS OR BLANKETS, AT THE CONSTRUCTION SITE AT ALL TIMES TO CLEAN UP POTENTIAL SPILLS OF NAZARDOUS MATERIALS.
- 9. THE INTAKE PUHP STATION MUST REMAIN IN SERVICE THROUGHOUT CONSTRUCTION, MAINTAIN ACCESS TO THE INTAKE PUMP STATION BY THE OWNER THROUGHOUT CONSTRUCTION.
- 10. A MINIMUM OF 12MGD SHALL BE SUPPLIED TO EXISTING PUMP STATION THROUGHOUT CONSTRUCTION DURATION.
- 11. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE FOLLOWING PERMITS;
 A. NHOES SHORLAND IMPACT PERMIT 2017-02317,
 B. NHOES WETLANDS IMPACT PERMIT 2017-02316,
 C. IJ.S. ARMY CORPS OF ENGINEERS PERMIT NAE-2018-00177,







Merrimack **River Intake Improvements**

Pennichuck Water Works

Merrimack, New Hampshire

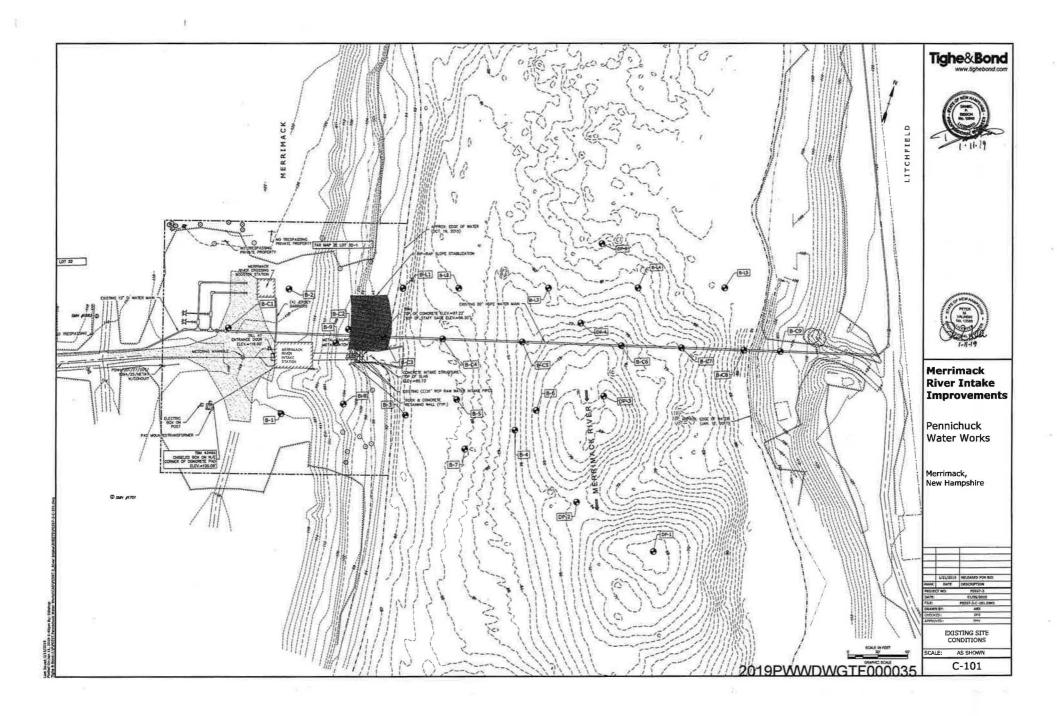
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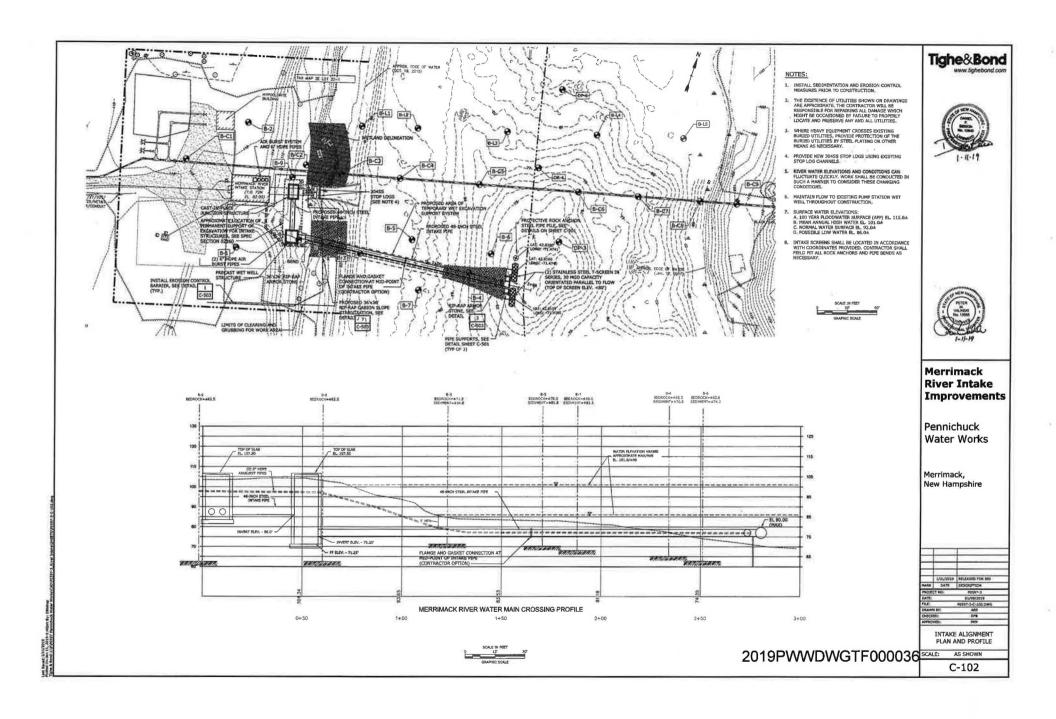
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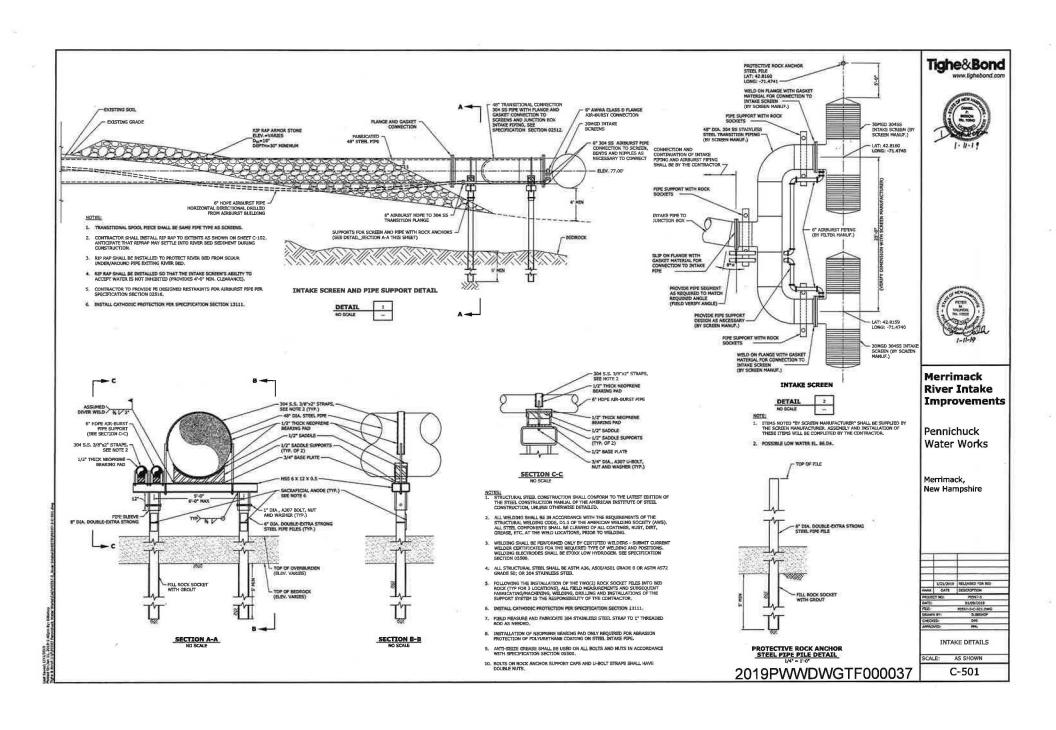
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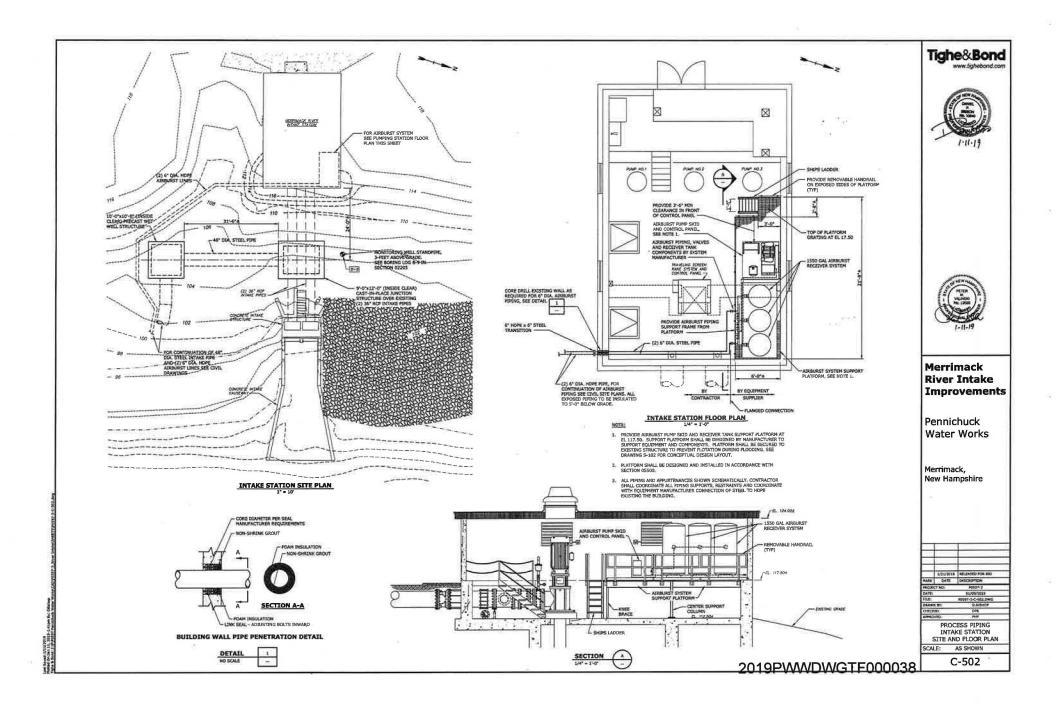
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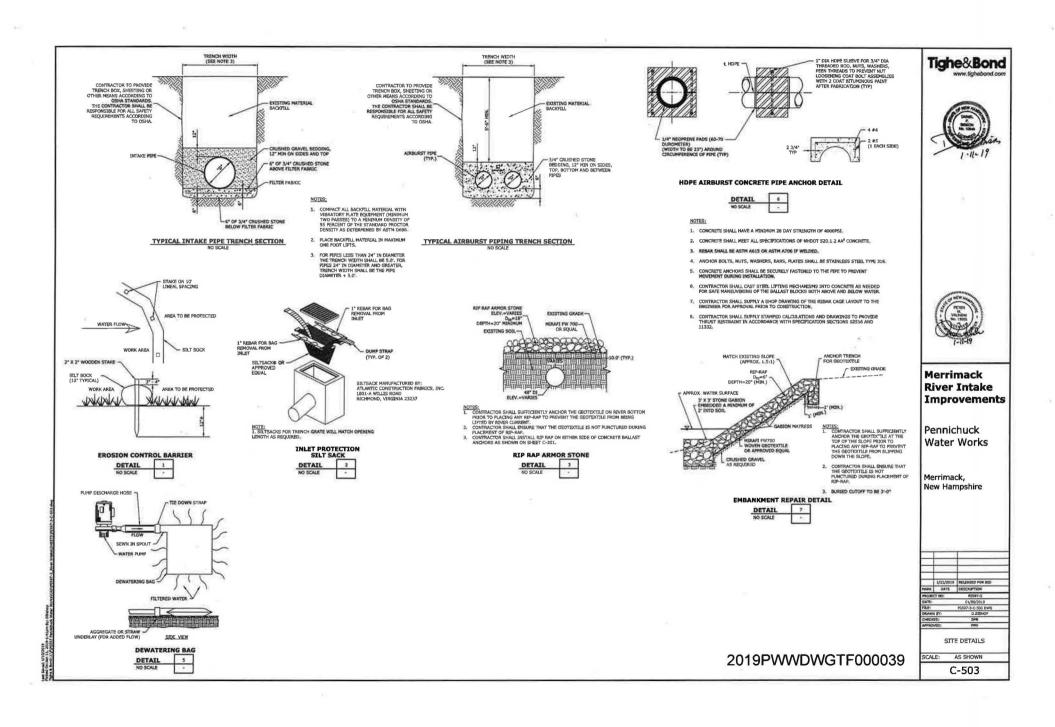
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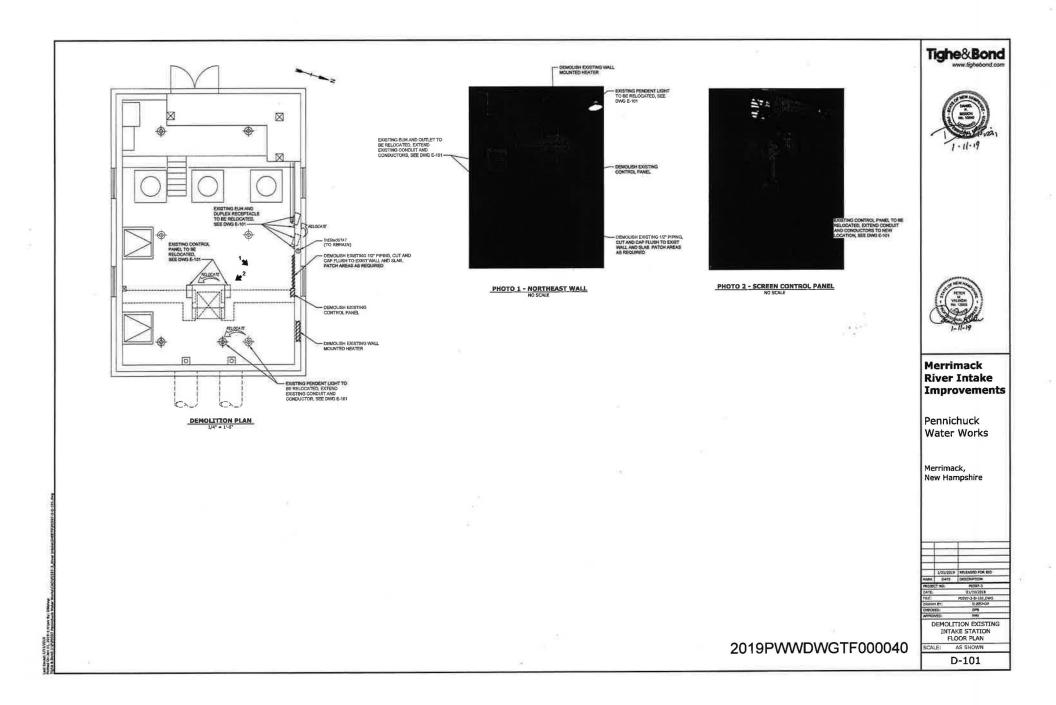












STRUCTURAL WORK SHALL CONFORM TO NEW HAMPSHIRE STATE BUILDING CODE, LATEST EDITION, INCLUDING HOST RECENT ADDENDA, AND CONTRACT DOCUMENTS. IN CASE OF CONTIACT, MOST STRUMENT REQUIREMENT SHALL GOVERN. CONTRACTOR SHALL VERLEY AND COORDINATE DIMENSIONS RELATED TO THIS PROJECT.

CONTRACTOR SHALL EXAMINE DRAWINGS FOR ALL TRADES FOR THE VERMICATION OF LOCATION AND DIMENSIONS OF ALL CHASES, INSERTS, OPENINGS, BLEEVES AND DTHER PROJECT REQUIREMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

PROVIDE CAULKING AT ALL CONTROL JOINTS, PROVIDE COMPRESSIBLE FILLER AND SEALANT AT ALL EXPANSION AND ISOLATION JOINTS.

PROVIDE PREMOLDED TOUNT FULER WHERE SLARS ON GRADE ABUT WALLS AND COLUMNS.

REINFORCEMENT

DETAILING, VARAICATION, AND EXECTION OF REINFORCEMENT, UNLESS OTHERWISE NOTES, SHALL COMFORM TO ACT "MIDDING CODE REQUIREMENTS FOR REIMFORCED CONCRETE (ACT JULY" AND ACT "MANIAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACT 313)", LATEST EDITION.

STEEL REINFORCEMENT UNLESS OTHERWISE SHOWN SHALL CONFORM TO ASTM A615 GRADE 60 MINIMUM (YIELD STRENGTH - 60,000 PSI)

WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO: ASTM A185.

PROVIDE AND SCHEDULE ON SHOP CHANNING, ALL NECESSARY ACCESSORIES TO HOLD REMONCEMENT SECURITY OF HOSTICON HOUNAWA REQUIREMENTS SHALL SE: HIGH GIALL 4"-O" ON CENTER, 4"5 SUPPORT BAR FOR HIGH GHARES, SAAB BOLISTERS, 3"-4" ON CENTER, ALL WIRE CHAIRS AND BOLISTERS TO BE PLASTIC TIPPED.

THE CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS

(A) CAST-IN-PLACE CONCRETE.

		EXPOSED TO EARTH, WATER, OR WEATHER	NOT EXPOSED TO EARTH, WATER, OR WEATHER
(a)	SLAB ON GRADE	3 INCHES	2 INCHES
(b)	SLAB/WALL #3 TO #5 INCL'S	1 1/2 INCHES	3/4 INCHES
(c)	SLAB/WALL #6 TO #11 INCL'S	2 INCHES	3/4 INCHES
(d)		TION FROM THESE REQUIREMENTS .0) INCHES OR LESS, AND +1/2" FO CK.	

(B) PRECAST CONCRETE

(a) SLASS #11 BAR AND SMALLER 1 1/4 INCHES 5/8 INCHES (b) WALL #11 BAR AND SMALLER

(C) IN NO CASE SHALL THE COVER BE LESS THAN THE BAR DIAMETER.

WHERE CONTINUOUS BARS ARE CALLED FOR THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS. CONSISTS AND COPED AT RELESSANT SPLICES ON RECORDS AT DESCRIPTIONS DROVED THE WHERE REPROCEEDING ITS (OR TOWN ON OR DAWNESS, PROVIDE RETRIFFORCEMENT IN ACCORDANCE WITH APPLICABLE PRICEL, DETAILS OR SHIELDA TO THAT SHOWN FOR MOST REALLY SHURLES STULATIONS, AS DETERMINED OF THE RESPORTE, IN HO CASE SHALL REPROSECIMENT DE LESS THAN HIGHOUN REPROFEDENCY PERMITTED BY THE APPLICABLE CODES, NOR, LESS THAN THE ROLLOWING:

STRUCTURAL SLABS-,0028 GROSS CONCRETE AREA IN EACH DIRECTION STRUCTURAL WALLS-,0028 GROSS CONCRETE AREA IN EACH DIRECTION

WHERE REINFORCEMENT IS CALLED FOR IN SECTION, REINFORCEMENT IS CONSIDERED TYPICAL WHEREVER THE SECTION APPLIES.

REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

WELDED WIRE FABRIC SHALL LAP 12" OR TWO SPACES, WHICHEVER IS LARGER, AND SMALL BE WIRED TOGETHER. R10

REINFORCEMENT COUPLER SPLICES SHALL BE MECHANICAL DEVICES CAPABLE OF TRANSMITTING THE ULTIMATE TENSILE AND COMPRESSIVE STRENGTH OF THE BAR. R11 INSTALLATION OF RENFORCEMENT SHALL BE COMPLETED AT LEAST 24 HOURS PRICE TO SCHEDULED CONCRETE PLACEMENT, NOTIFY ENGINEER OF CONFLICTION AT LEAST 24 HOURS RISON TO SCHEDULED COMPLETION OF PLACEMENT OR RESPONSEDMENT.

REINFORCEMENT SHALL BE SET BEFORE PLACING CONCRETE, SETTING ANY REINFORCEMENT INTO WET CONCRETE IS PROHIBITED.

CONCRETE WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318), AND SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING (ACI 301).

CONCRETE SHALL BE CONTROLLED CONCRETE, PROPORTIONED, MIXED AND PLACED UNDER THE SUPERVISION OF AN APPROVED CONCRETE TESTING AGENCY OR THE ENGINEER. G CONCRETE SHALL BE NORMAL WEIGHT CONCRETE AND SHALL HAVE A COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED AND SHALL BE AIR ENTRAINED (SEE SPECS)

THE USE OF CONSTRUCTION JOINTS WHERE SHOWN ON THE DRAWINGS IS MANDATORY.
OMISSIONS, ADDITIONS OR CHANGES SHALL NOT BE MADE EXCEPT WITH THE SUBMISSION OF A
WRITTEN REQUEST TOGETHER WITH DRAWINGS OF THE PROPOSED JOINT LOCATIONS FOR
APPROVAL OF THE STRUCTURAL ENGINEER.

CS WHERE CONSTRUCTION JOINTS ARE NOT SHOWN, DRAWINGS SHOWING LOCATION OF CONSTRUCTION JOINTS AND CONCRETE PLACING SEQUENCE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PREPARATION OF THE REINFORCEMENT SHOP DRAWINGS.

C6 CONCRETE SLABS SHALL BE CAST SO THAT THE SLAB THICKNESS IS AT NO POINT LESS THAN

CONCRETE SLABS AND WALLS SHALL BE CAST ALTERNATELY OR IN A CHECKERBOARD FASHION SO THAT ADJACENT SECTIONS ARE FLACED NO SOOKER THAN THREE DAYS APART, AT LEAST TWO DAYS MUST ELAPSE AFTER FLACING CONCRETE IN WALLS BEFOR

CONCRETE SHALL BE PLACED WITHOUT HORIZONTAL CONSTRUCTION JOINTS EXCEPT WHERE SHOWN OR NOTED. CB

EXPOSED EDGES OF CONCRETE ELEMENTS SHALL HAVE CHAMFERED CORNERS

ONLY CRITICAL CONSTRUCTION JOINTS ARE SHOWN, SEE SPECIFICATIONS FOR REQUIRED MAXIMUM SPACING OF CONSTRUCTION JOINTS.

U BARS-SAME SIZE & SPACING AS WALL/SLAB

NO CONCRETE SHALL BE PLACED IN WATER OR ON FROZEN GROUND.

BOTTOM OF FOUNDATION ELEVATIONS GIVEN ON DRAWINGS ARE TO BE CONSIDERED MIXIMUM DEPTHS, CONTRACTOR SHALL HAVE FURTHER EXCAVATION AS REQUIRED TO REACH GOOD BEARING. ALL EXCAVATIONS FOR FOOTINGS SHALL BE FINISHED BY HAND FOR THE LAST 6".

F3 ALL FINISHED EXCAVATIONS SHALL BE INSPECTED BY THE ENGINEER BEFORE ANY CONCRETE IS FLACED. F4

FS

ALL BACKFILL UNDER OR ADJACENT TO ANY PORTION OF THE STRUCTURES SHALL BE COMPACTED IN 6" LIFES, SEE SPECIFICATIONS.

REMOVE UNDIFFICABLE FILL AMOND REMOVE THIS SUBGRADE PER SPECIFICATION REQUIREMENTS. IMAGINEL WITH COMPACTED STRUCTURE (GRANULAR) FILL UP TO THE UNDIGSTOR OF THE SYLLIDING SJACS, SEE SPECIFICATIONS.

#5 BAR x 5'-0" EACH FACE

DISTANCE PAST OPENING, HOOK REINFORCING BARS

 FOR SLAB OR WALL APPLICATION WITH A CONCRETE THICKNESS LESS THAN 12 INCHES, 180° OR 90°, HOOK BARS NAY BE USED IN LIEU OF 'U' BARS. PROVIDE ADDITIONAL BARS USING NOT LESS THAN ONE HALF OF INTERRUPTED BARS AT EACH SIDE OF OPENING AT 3" ON CENTER.

OPENINGS IN CONCRETE WALLS AND SLABS

3. FOR TOP BARS IN SLAB, INCREASE DEVELOPMENT LENGTH BY 30% TYPICAL REINFORCING AT

RECTANGULAR OPENINGS

ALL STOPS OF OPE

INTERRUPTED MAR

DEVELOPMENT BAR SIZE SPLICE LENGTH DESIGNATION (INCHES) CLASS B ENGLISH METRIC CLASS B 25 #3 #10 15 19 33 #4 #13 19 40 #5 \$16 24 31 #6 #19 29 37 48 70 42 54 \$7 #22 #8 #25 48 62 81 91 54 70 #9 #79 #10 #32 61 79 103

REBAR SPLICE LENGTH SCHEDULE

#S BAR x 5'-0" EACH FACE (ALL CORNERS OF OPENING)

HERE NOT POSSIBLE

DISTANCE PAST OPENING, HOOK REINFORCING BARS

CIRCULAR OPENINGS

- If Clear spacing between the rebars is less than three bar diameters, or if cover is less than two bar diameters, increase the splice length by an adoptional sols.
- IF EPOXY COATED REBAR IS USED, INCREASE THE SPLICE LENGTH BY AN ADDITIONAL SON.
- 3. IF LIGHTWEIGHT CONCRETE IS USED, INCREASE THE SPLICE LENGTH BY AN ADDITIONAL 30%

ON INJUSTING JOW.

AT THE MINIMUM REBAR SPLICE LENGTH SCHEDULE IS BASED ON PC= 4,000 PSI
AND Py= 60,000 PSI. ADJUST FOR OTHER STRENGTHS USDIG ACT-318.

S. POR HOMZINTAL RESPROADSHIPT SO PACED THAT MORE THAT IN INCHES OF PRESH CONCRETE IS CAST IN THE MEMBER BELOW, INCREASE THE DEVELO

1/2

6. WHEN BARS OF DIFFERENT SIZE ARE LAP SPLICED, THE SPLICE LENGTH SHALL BE THE LARGER OF EITHER THE DEVELOPMENT LENGTH OF THE LARGER BAR OR THE SPLICE LENGTH OF THE SMALLER BAR.



Tighe&Bond



Merrimack **River Intake Improvements**

Pennichuck Water Works

Merrimack, New Hampshire

	SPLICE	LENGTH HORIZONTAL BARS
- The same	 0.	U BASS AT OPERING AND DISCONTINUOUS ENDS OF WALLS STANDARD HOOK (TYP)
1		LAP OUTSIDE BARS OR PROVIDE CORNER BARS AS SHOWN,

TYPICAL CONSTRUCTION JOINT

- 4" PVC WATERSTOP

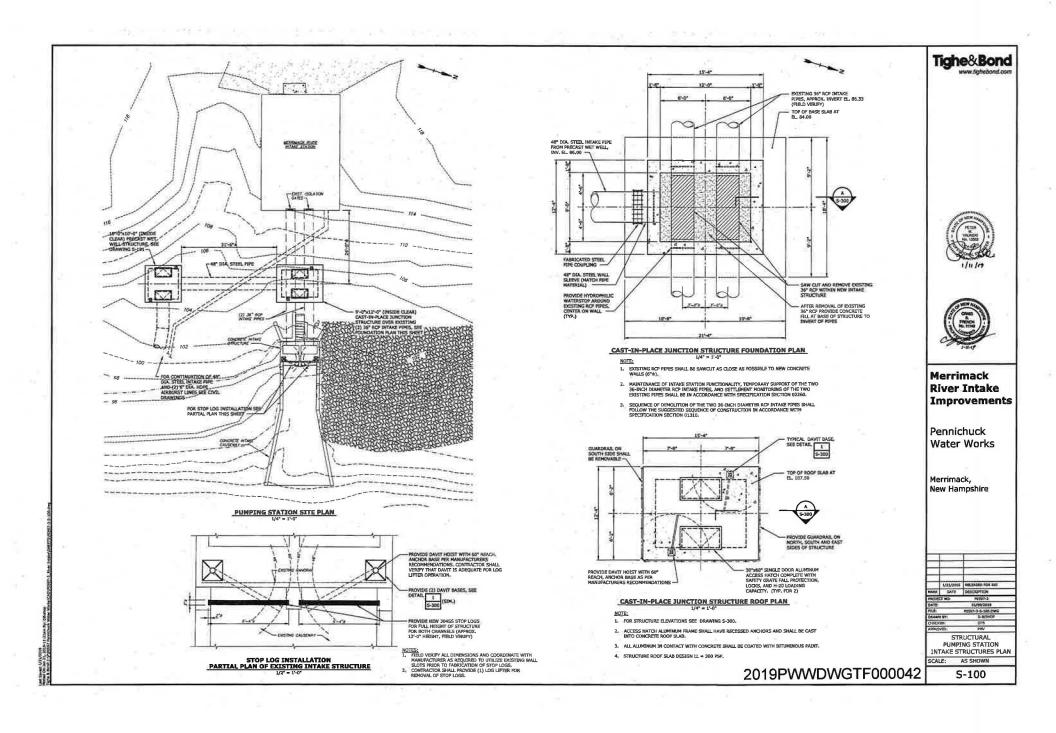
PLAN OF HORIZ. REINF. AT CORNERS OF CONCRETE WALLS

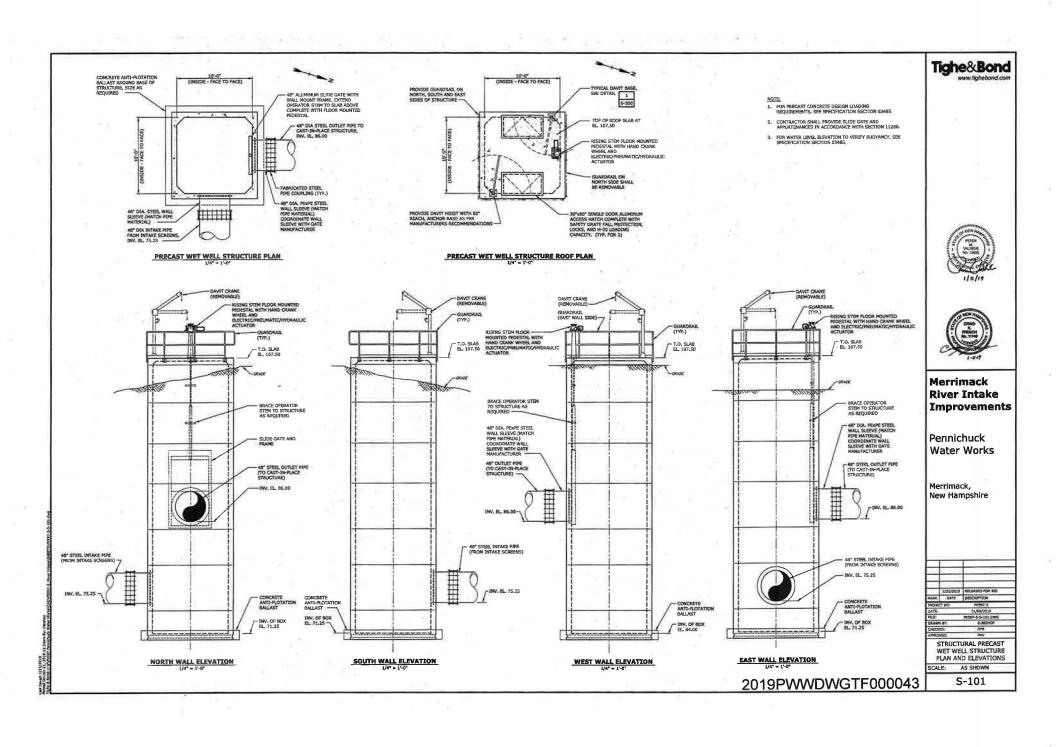
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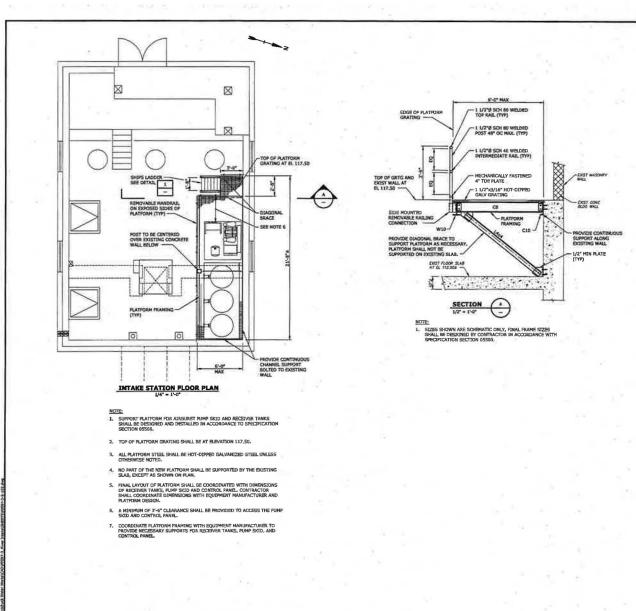
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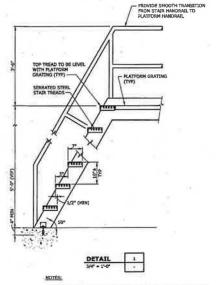
SCALE: AS SHOWN

S-001









- VENDOR MANUFACTURED AND SUPPLIED ACCESS LADDER SHALL BE IN CONFORMANCE WITH SPEC SECTION 05500.
- 2, HANDRAIL TO BE SMOOTH AND FREE OF ALL BURRS AND DEFECTS,
- 3. ALL STEEL SHALL BE HOT-DIPPED GALVANIZED.

Tighe&Bond





Merrimack River Intake Improvements

Pennichuck Water Works

Merrimack, New Hampshire

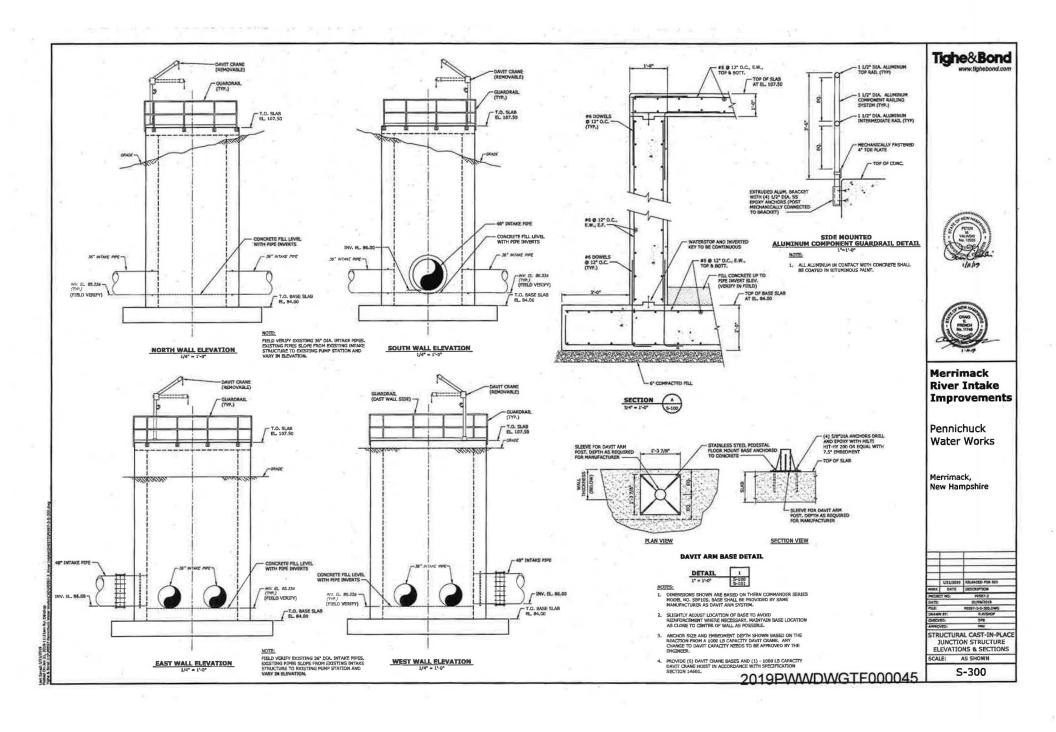
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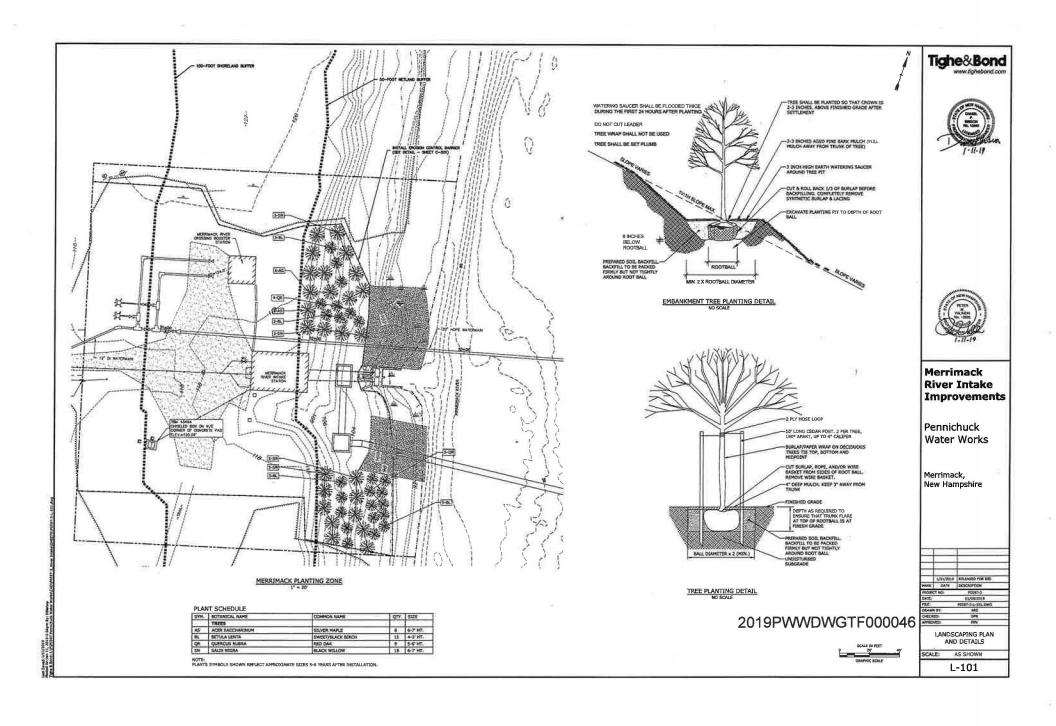
PLATFORM STRUCTURAL PLAN AND DETAILS

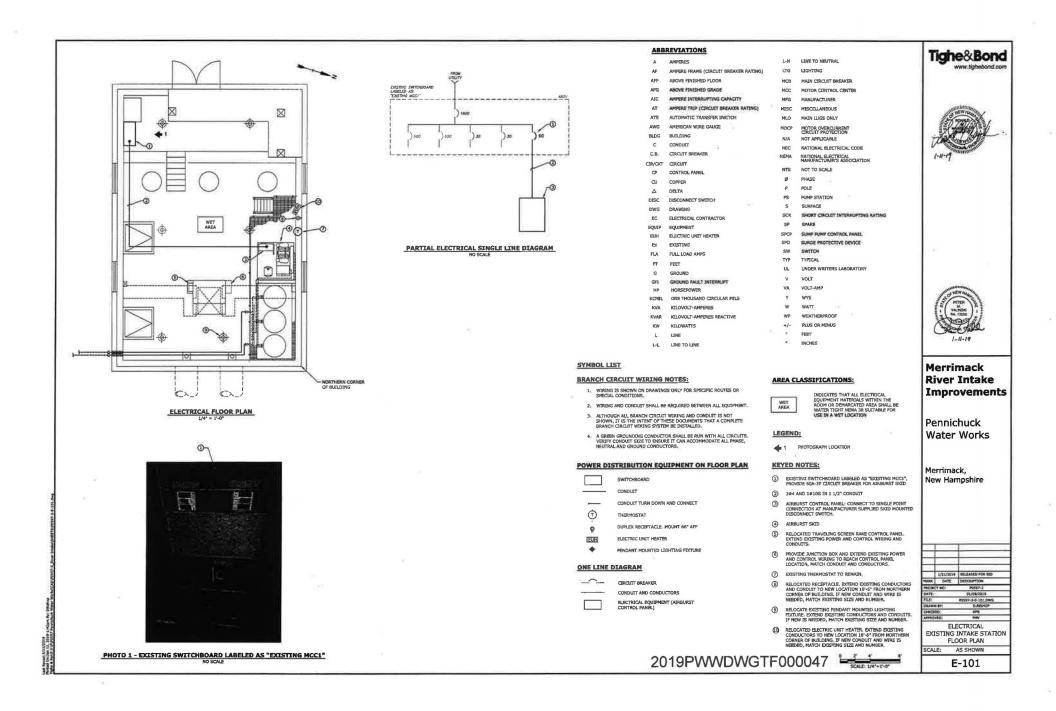
SCALE: AS SHOWN S-102

2019 2019-11-11am Ny: Dilabus

2019PWWDWGTF000044







From:

Holmes, Erin

To:

Boisvert, John; McKenna, Johnna

Cc:

Freise, Clark

Subject: Date: RE: DWGTF Loan - Merrimack River Intake Friday, January 18, 2019 3:49:09 PM

Attachments:

image001.png

Hi John,

We have received clear direction that the Advisory Commission is not in favor of 40 year loan terms. The loan term we can offer is up to 30 years and we feel that is consistent with the life of the asset. Please do not hesitate to contact Assistant DES Commissioner and Trust Fund Advisory Commission member Clark Freise or myself if you have any questions.

Thank you,

Erin Holmes, P.E.

DWG Trust Fund Administrator

MtBE Remediation Bureau

From: Boisvert, John < john.boisvert@PENNICHUCK.com>

Sent: Wednesday, January 16, 2019 10:15 AM

To: Holmes, Erin < Erin. Holmes@des.nh.gov>; McKenna, Johnna < Johnna. McKenna@des.nh.gov>

Subject: DWGTF Loan - Merrimack River Intake

Erin and Johnna

Thank you for passing along the loan approval letter. We have already starting on the application and we are assembling the required documents. We do have an important question especially for our NHPUC filing. The approval letter suggests that the loan term could be for 5, 10, 15, 20, 30, or 40 years. For the Pennichuck Board of Directors authority to borrow we can get authorization to borrow for up to and including a 40 year term. For the NHPUC we will need to be more specific. We would prefer a 40 year term as it is more consistent with the life of the asset life of the intake structure. If 40 years will be approved we would like confirmation of that to include with the NHPUC filing. If 40 is not going to be allowed but 30 years will be, we just need to know that so our filing with the NHPUC accurately reflects the terms. Any light you can shed on term of the loan will be most helpful.

Our current plan is to:

- Receive the authority to borrow in the form of a resolution of the Pennichuck Board on January 25th.
- File the completed loan application on the 29th and,
- File with the NHPUC the 30th or the 31st.
- Seek shareholder approval (City of Nashua) approval in February.

Regards,



John J. Boisvert, P.E.
Chief Engineer
Pennichuck Water
25 Manchester St.
Merrimack, New Hampshire 03054

Ph: (603) 913-2328