TOWN OF NATICK, MASSACHUSETTS BOARD OF SELECTMEN

CONTRACT NO. W-144 FOR WATER TREATMENT PLANT BACKWASH TANK

BOARD OF SELECTMEN

JONATHAN H. FREEDMAN, CHAIRMAN SUSAN G. SALAMOFF, VICE CHAIRMAN RICHARD P. JENNETT, JR., CLERK MICHAEL J. HICKEY AMY K. MISTROT

TOWN ADMINISTRATOR

MARTHA L. WHITE

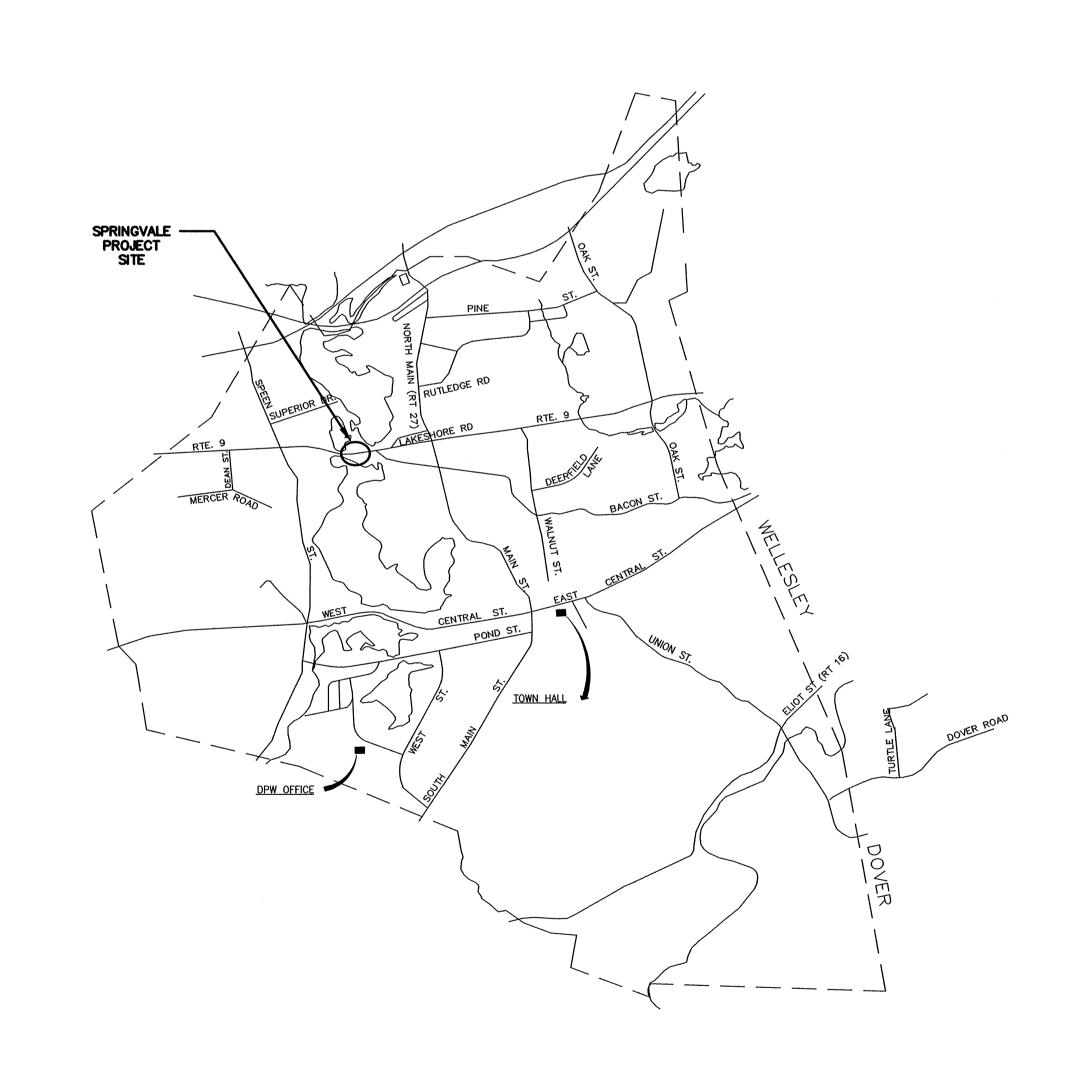
DIRECTOR OF PUBLIC WORKS

JEREMY MARSETTE

WATER AND SEWER SUPERINTENDENT

ANTHONY COMEAU

HALEY AND WARD, INC.
ENGINEERS
MAYNARD, MASSACHUSETTS



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SHEET NO. DRAWING NO. DRAWING NAME 1 CVR COVER SHEET

2 G1 PROPOSED PIPING LAYOUT & SITE PLAN
3 M1 PIPING & SECTION ELEVATIONS
4 SD1 MISCELLANEOUS UTILITY DETAILS

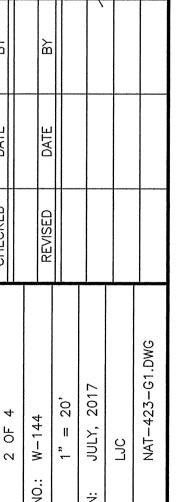
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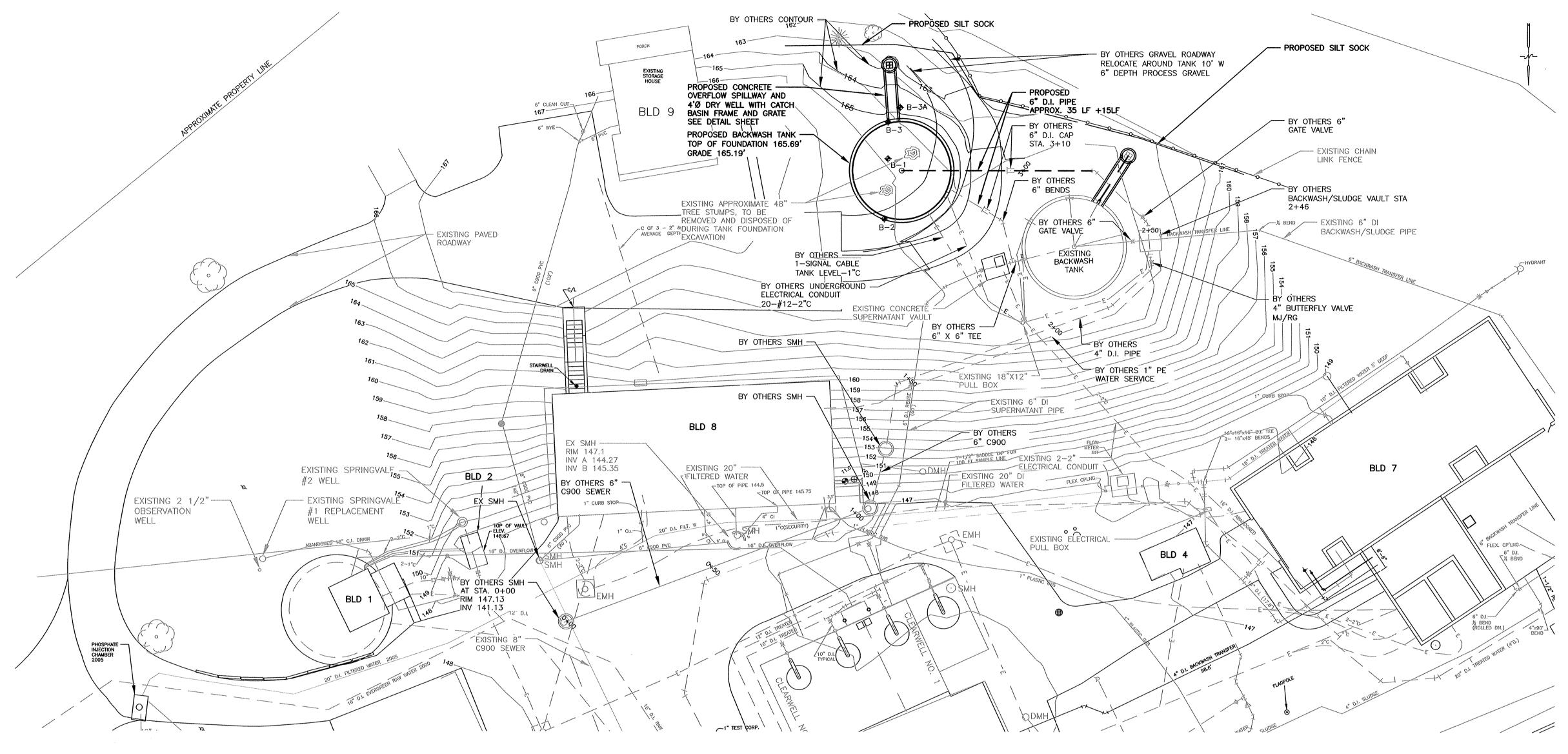
RETAINER GLANDS.

WETLANDS NOTE:



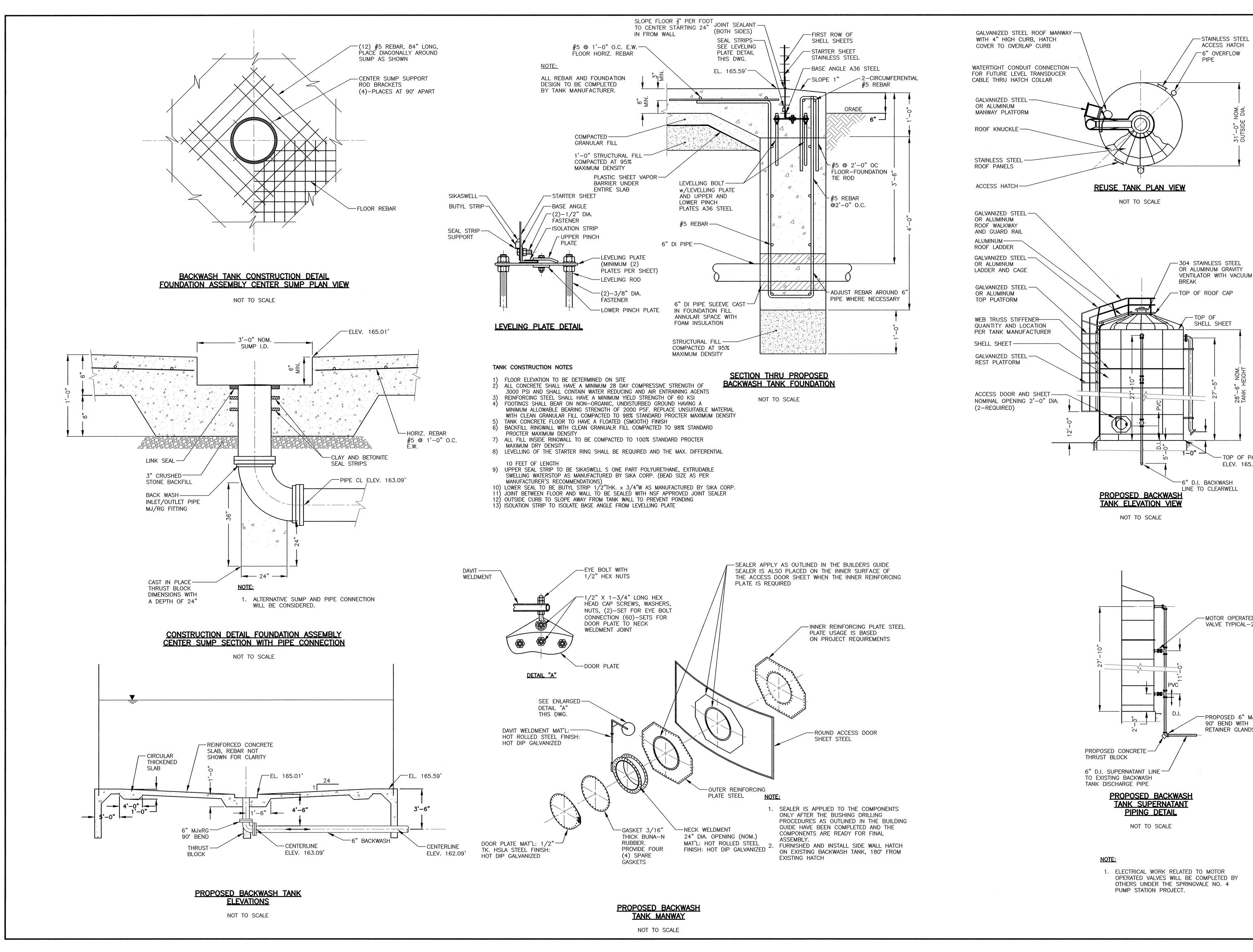
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G1



SITE PLAN

SCALE: 1" = 20'



ATMENT KWASH ANK TRE

ACCESS HATCH

NG & TION

-TOP OF PAD

ELEV. 165.59'

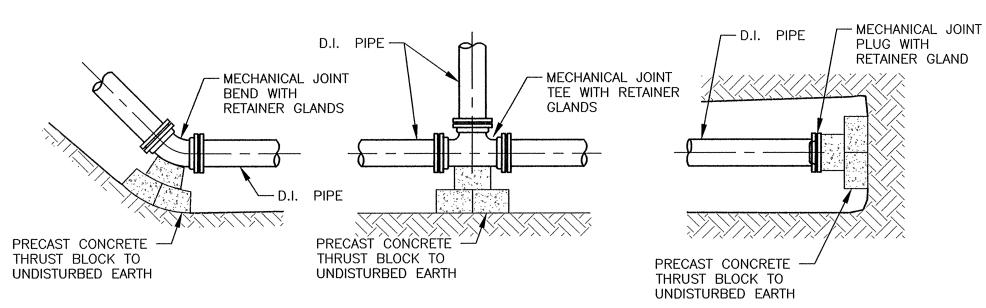
-MOTOR OPERATED VALVE TYPICAL-2

-PROPOSED 6" MJ 90° BEND WITH

RETAINER GLANDS

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TYPICAL THRUST BLOCK DETAILS

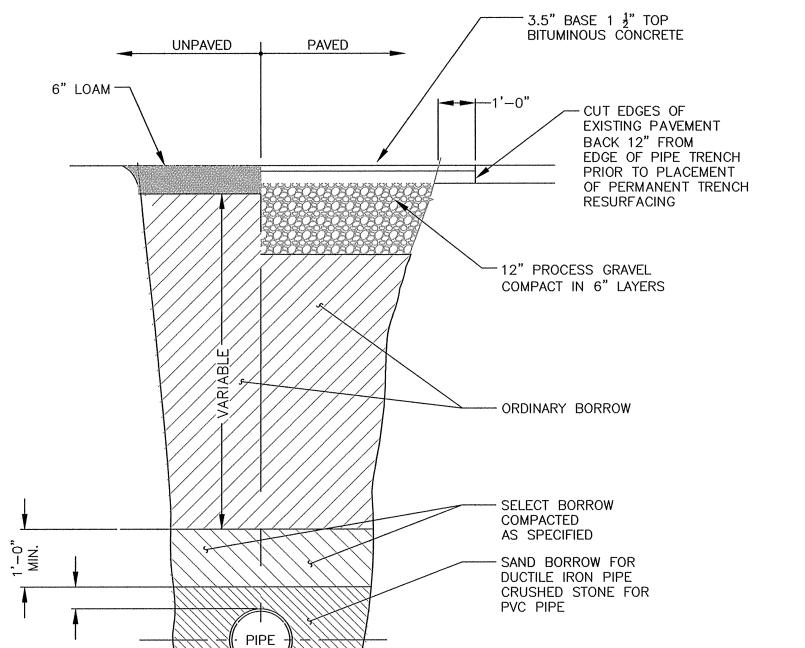
NOT TO SCALE

	ACTURER'S E DEFLECTION	
PIPE DIAMETER	INCHES PER 20' LENGTH	DEGREES OF DEFLECTION
4" PUSH-ON	21"	5 °
6" PUSH-ON	21"	5 °
8" PUSH-ON	21"	5 °
10" PUSH-ON	21"	5 °
12" PUSH-ON	21"	5 °
14"-24" PUSH-ON	12"	3 °

NOT

PIPING SHALL BE PUSH-ON JOINT DUCTILE IRON PIPE AND DEFLECTION SHALL NOT EXCEED 75% OF MANUFACTURER'S RECOMMENDATION.

ALLOWABLE JOINT DEFLECTION TABLE FOR D.I. PUSH-ON PIPE

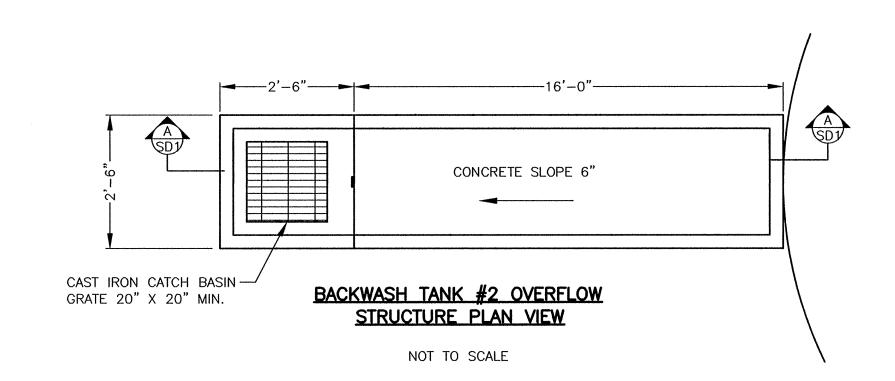


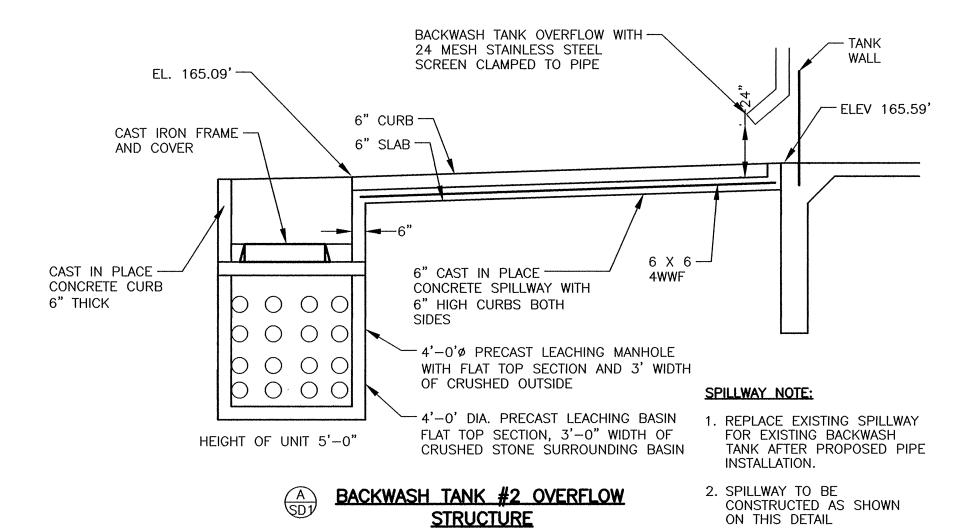
- D.I. PIPE SET ON GRADE

PVC PIPE SET 4" ABOVE

TYPICAL TRENCH SECTION
FOR D.I./PVC PIPE

NOT TO SCALE



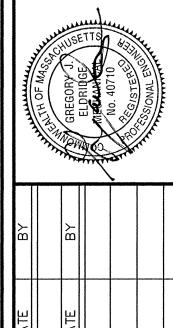


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TOWN OF NATICK, MASSACHUSETTS
BOARD OF SELECTMEN
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BACKWASH TANK

MISCELLANEOUS V

3y and Ward, Inc. 63 GREAT ROAD, SUITE 200, NARD, MASSACHUSETTS 01754-2097 (978) 648-6025 FAX: (978) 648-6068



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