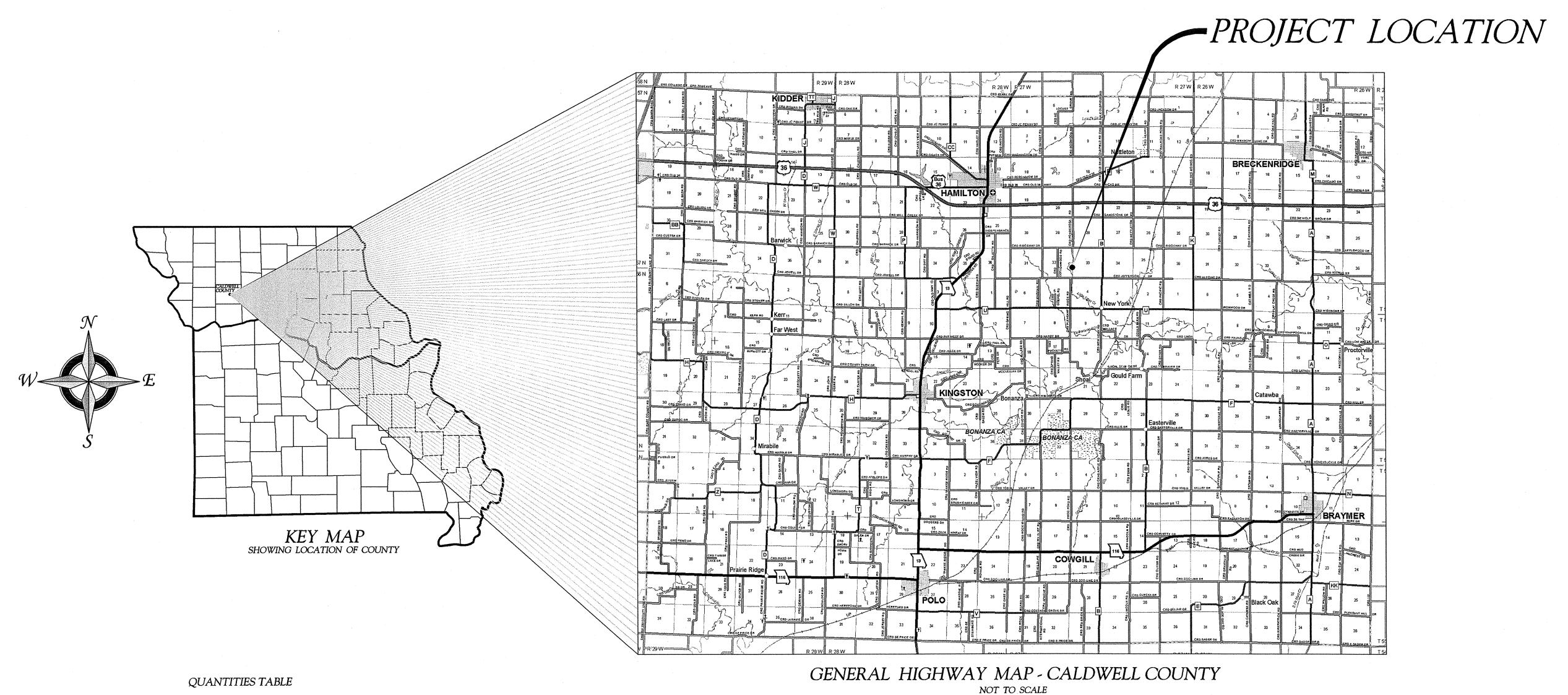
INTAKE STRUCTURE DESIGN LITTLE OTTER CREEK LAKE CALDWELL COUNTY, MISSOURI MARCH, 2009



186 LINEAL FEET

417 LINEAL FEET DUCTILE IRON PIPE - 12" CLASS 55 AND FITTINGS 18 LINEAL FEET DUCTILE IRON PIPE - 12" CLASS 52 AND FITTINGS VALVE VAULT STRUCTURE 1 LUMP SUM LEVEL CONTROL VALVE SYSTEM 1 LUMP SUM TRASH SCREENS 1 LUMP SUM 1 LUMP SUM ALUMINUM LADDER 1 LUMP SUM GRATING AND HANDRAIL MANWAY 11,940 POUNDS STEEL REINFORCEMENT - GRADE 60 CONCRETE - CLASS 4000 137 CUBIC YARDS

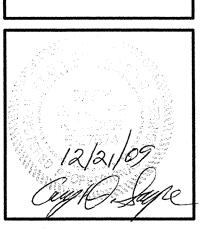
SAND DIAPHRAM AND DRAIN ASSEMBLY - PLASTIC

(PVC) 6" DIAMETER - MED SLOTTED AND FITTINGS

OWNER APPROVAL CALDWELL COUNTY COMMISION

PRESIDING COMMISSIONER

DATE





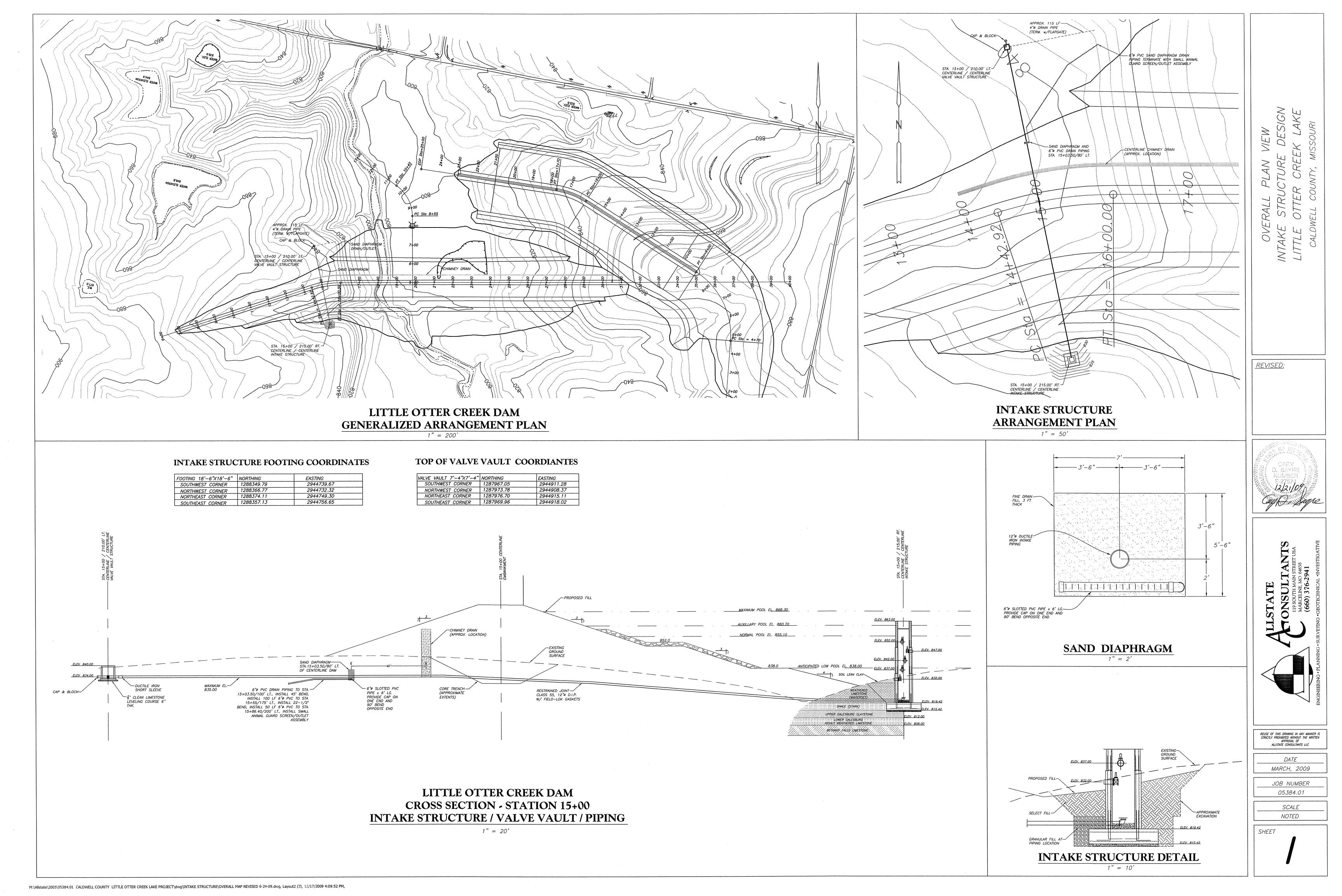
REUSE OF THIS DRAWING IN ANY MANNER IS STRICTLY PROHIBITED WITHOUT THE WRITTEN APPROVAL OF ALLSTATE CONSULTANTS LLC

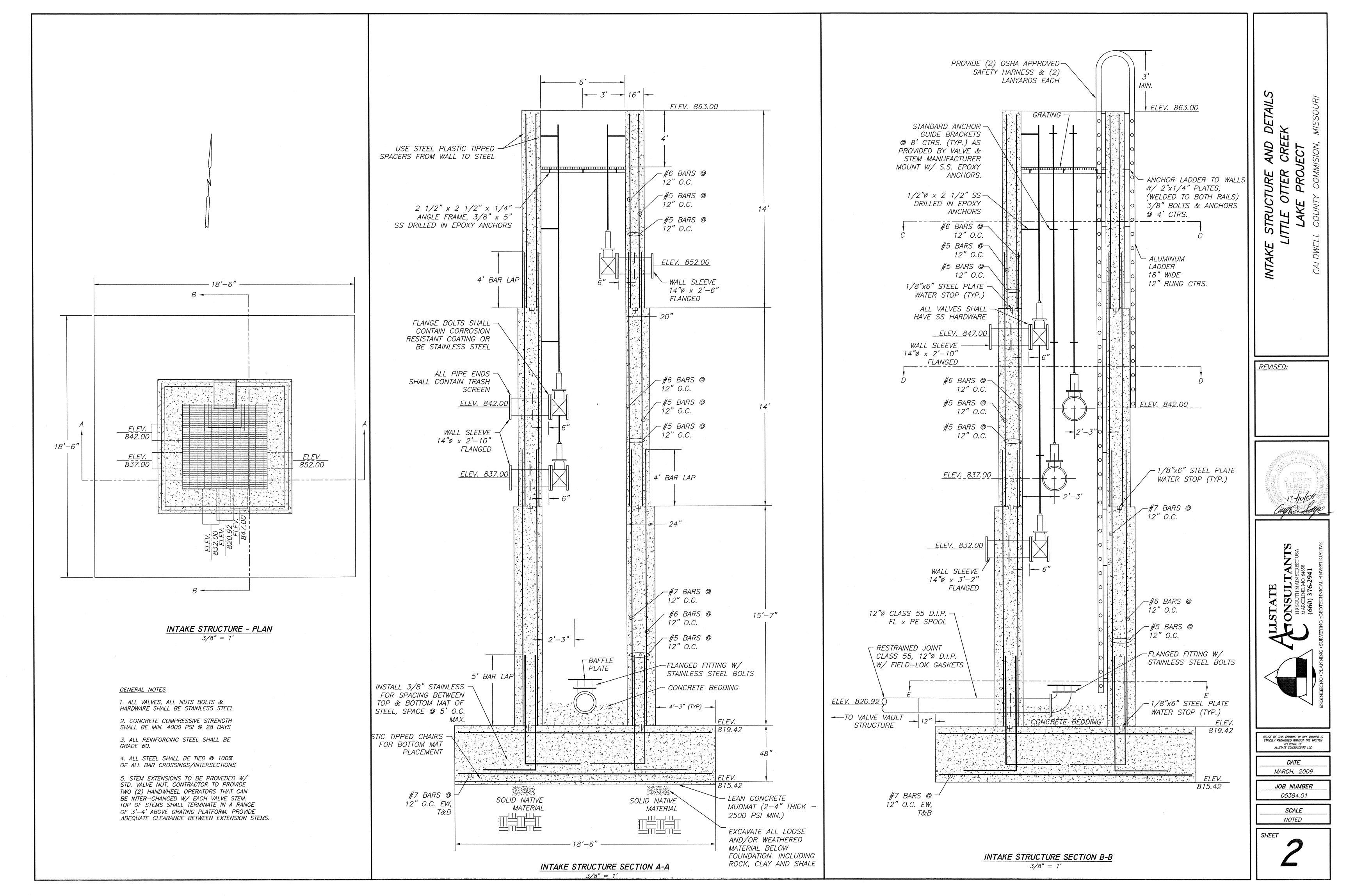
MARCH, 2009

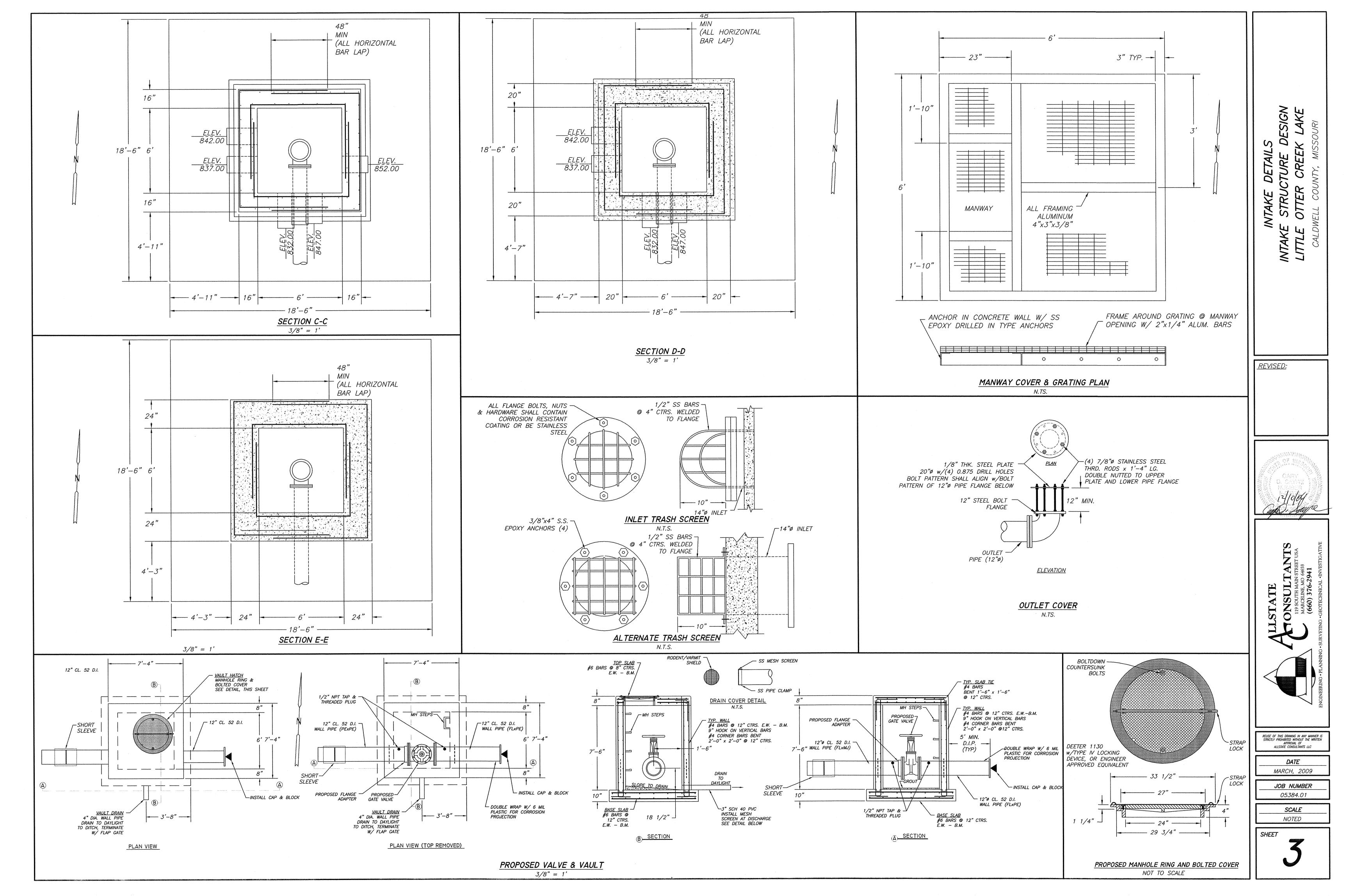
JOB NUMBER 05384.01

SCALE NOT TO SCALE

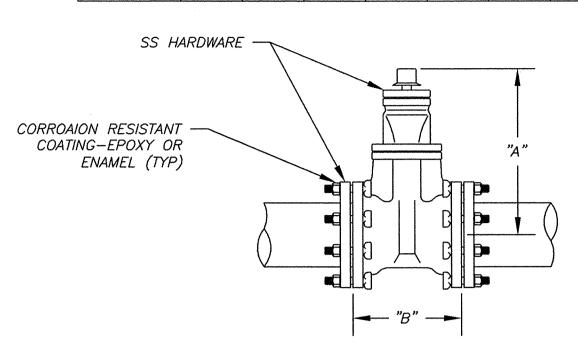
SHEET





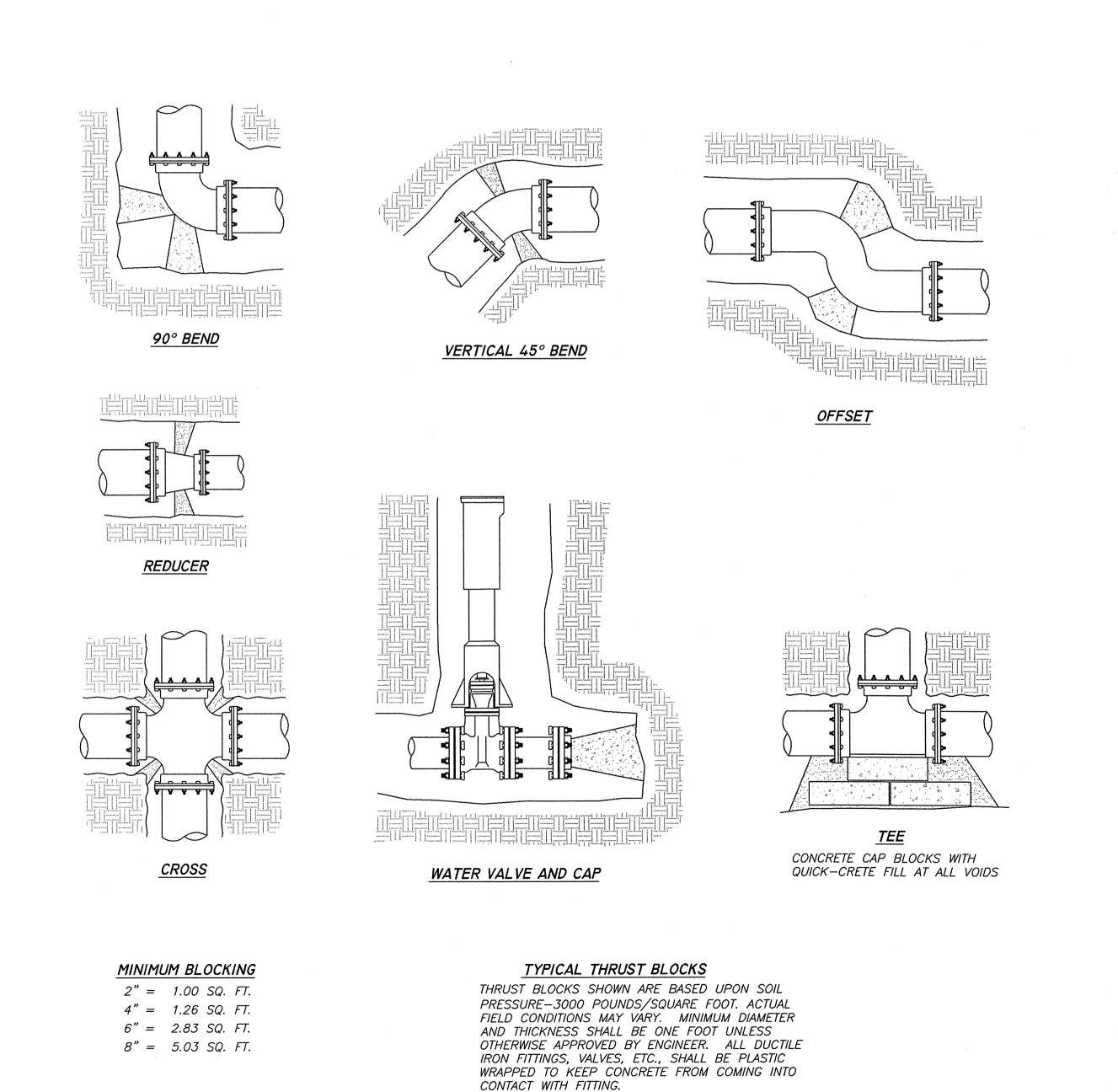


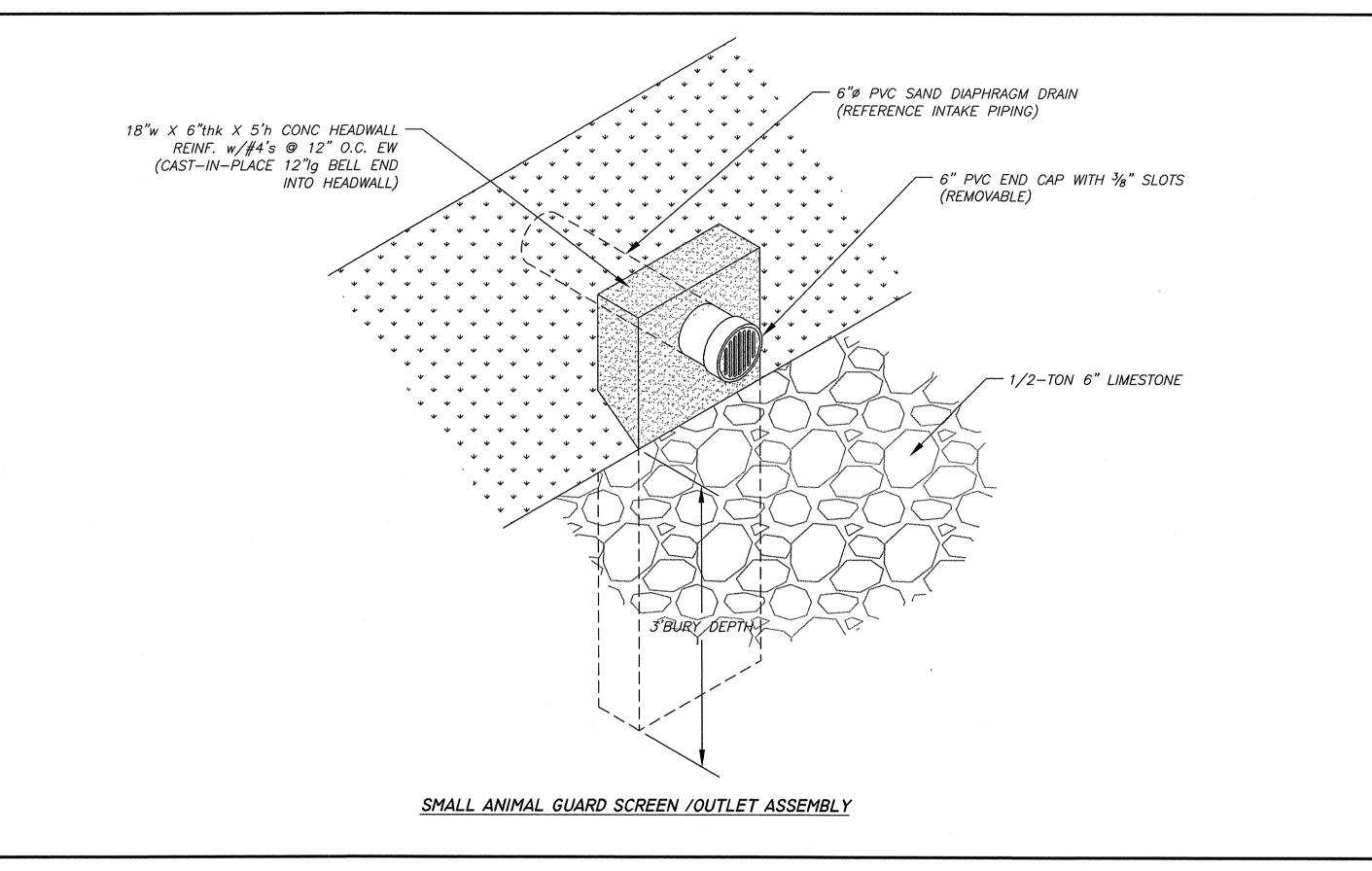
DIMENSION	NOMINAL SIZE								
	2"	3"	4"	6"	8"	10"	12"	14"	16"
Α	9.88"	12.38"	14.19"	18.00"	21.50"	25.50"	28.62"	32.04"	39.39"
В	8.50"	9.00"	10.00"	11.50"	12.50"	14.75"	14.88"	15.00"	19.75"

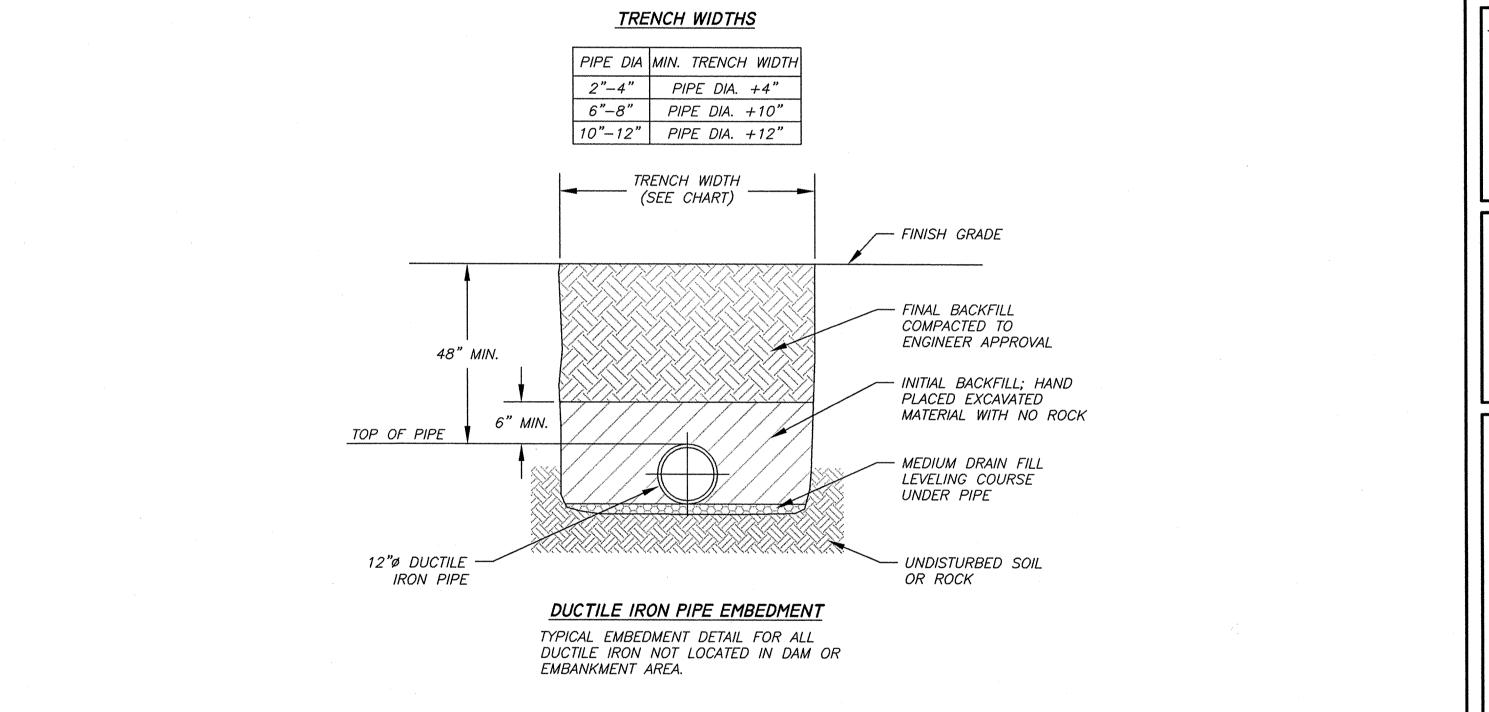


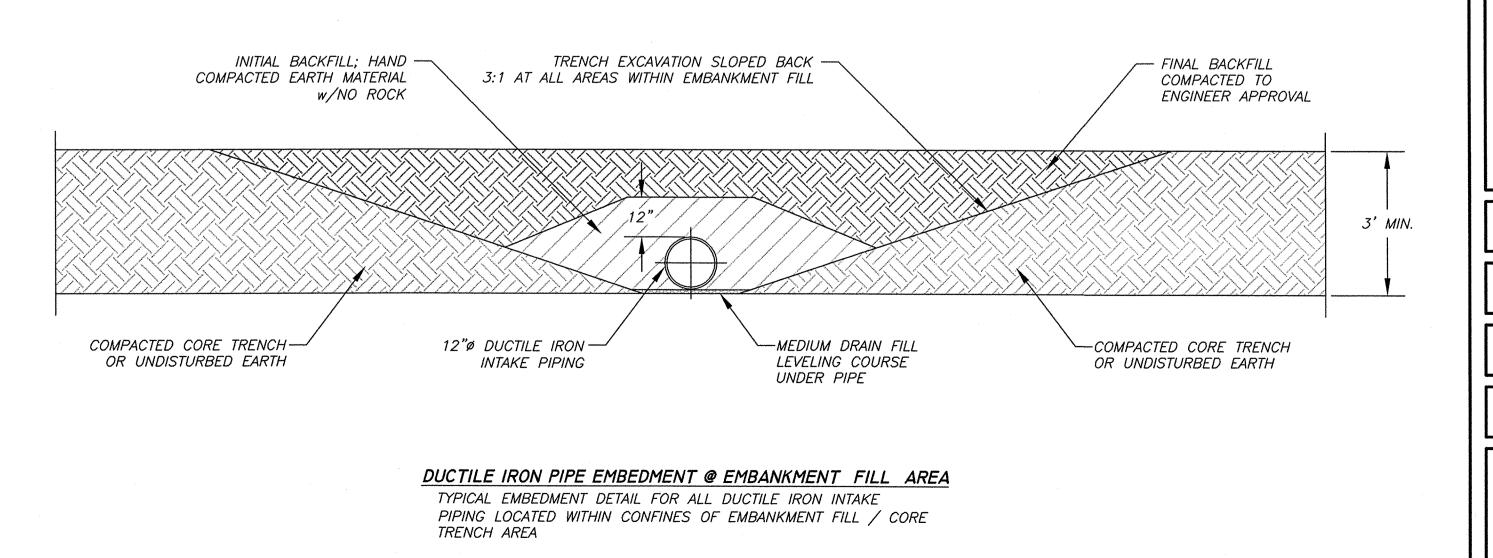
TYPICAL GATE VALVE

GATE VALVES SHALL BE MUELLER A—2360 RESILIENT WEDGE VALVES
WITH MECHANICAL JOINT ENDS, OR ENGINEER APPROVED EQUIVALENT.









TYPICAL WATER DAINTAKE STRUCTURE

REVISED:

12/10/01 pa

NSULTANTS
19 SOUTH MAIN STREET USA
19 SOUTH MAIN STREET USA
14 RCELINE, MO 64658
660) 376-2941
SOTECHNICAL •INVESTIGATIVE

ALLESTA 119 SC 119 SC MARC (666 (666

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ALLSTATE CONSULTANTS LLC

DATE

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MARCH, 2009

SCALE NOT TO SCALE

SHEET