

**GENERAL NOTES**

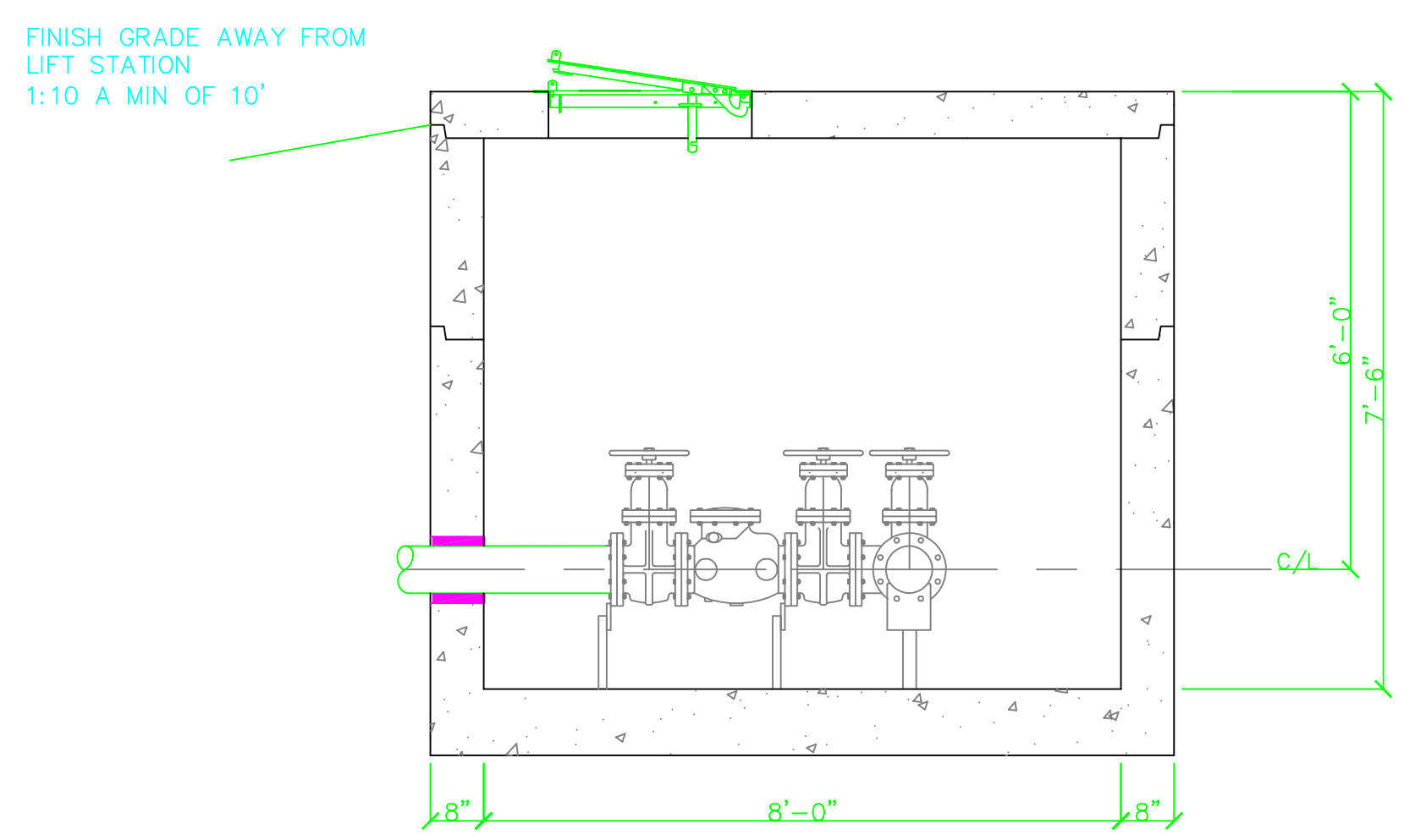
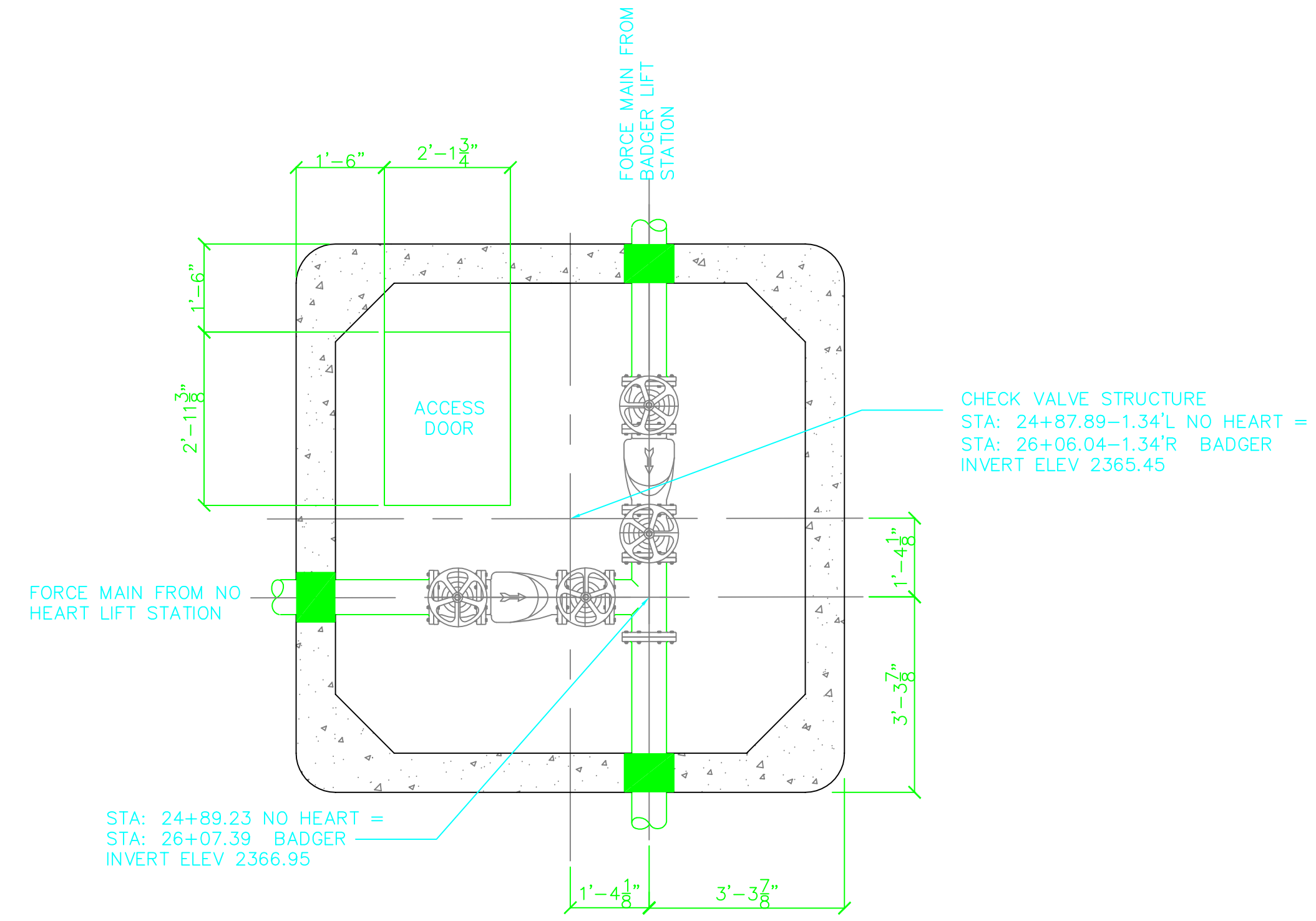
1. CHECK VALVE STRUCTURE IN 8'x8' PRECAST BOX SECTION MANHOLES WITH MONOLITHIC BASE. ALL COMPONENTS SHALL BE AIR ENTRAINED, 4,000 PSI CONCRETE. AT 28 DAYS, MANUFACTURED PER ASTM C478. COVER SHALL BE DESIGNED FOR H2O LOADING, ALUMINUM ACCESS COVER SHALL BE CAST INTO COVER. MANHOLE STRUCTURES SHALL BE WATERTIGHT, O-RING JOINTS PER ASTM C443 OR FLEXIBLE BUTYL RUBBER JOINT SEALANT AS PER MANUFACTURE'S RECOMMENDATIONS. ALL PIPES SHALL BE SEALED WITH POSITIVE SEAL GASKET MANHOLE BOOTS.

2. CHECK VALVE PIPING SHALL BE 6" DIA. DIP AND SHALL EXTEND A MINIMUM OF 6' BEYOND THE VALVE STRUCTURE AND THERE CHANGE TO 6" DIA "YELOMINE" PVC FORCEMAIN.

**EQUIPMENT LIST**

- 3 10' LENGTHS 6" DIP FLANGED ONE END
- 2 6" CHECK VALVES LEVER AND WEIGHT FLANGED, AWWA C-508
- 4 6" RESILIENT SEAT GATE VALVES OPERATING HAND WHEEL FLANGED, AWWA C-509
- 1 6" DIP TEE FLANGED, AWWA C-110, 250psi
- 6 PIPE SUPPORTS, 2 EACH LEG, PLACED SUCH THAT LEG IS SUPPORTED WHEN ANY ITEM IS REMOVED.

ALL EQUIPMENT SHALL BE COATED WITH A FUSION BONDED EPOXY, AWWA C-550  
ALL BOLTS AND NUTS SHALL BE ASTM A320 GR B-8 316 STAINLESS STEEL



**PRECAST CHECK VALVE STRUCTURE**

PROJECT	P0316
DATE	10/27/06
DRAWN BY	JWB
REVISIONS	

**PROJECT CRHA-031 BADGER SUBDIVISION  
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EAGLE BUTTE, SOUTH DAKOTA**

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**SHP**

**CHECK VALVE STRUCTURE FOR  
BADGER / NO HEART FORCE MAIN**

**SHEET  
C3.21**

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