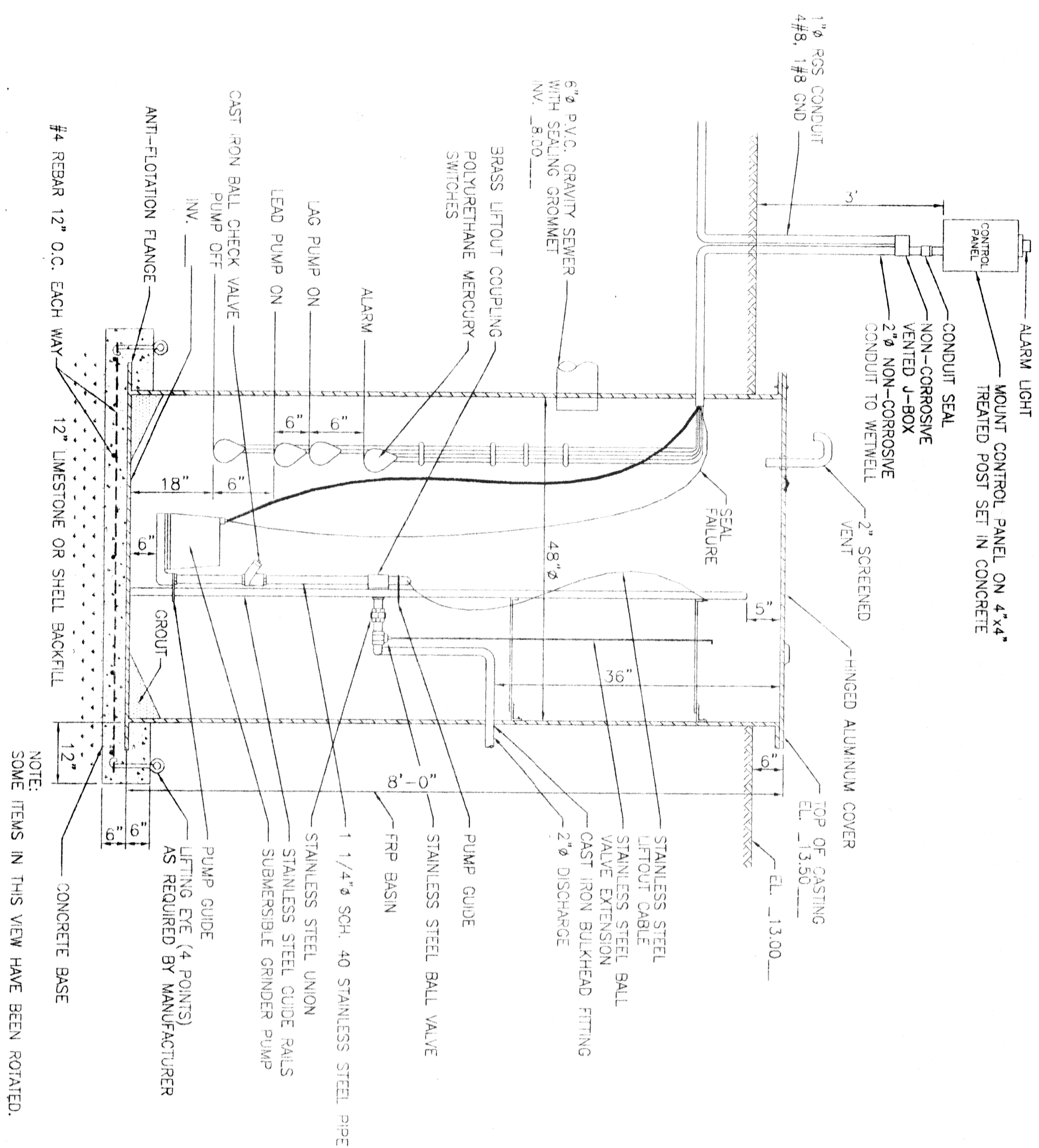
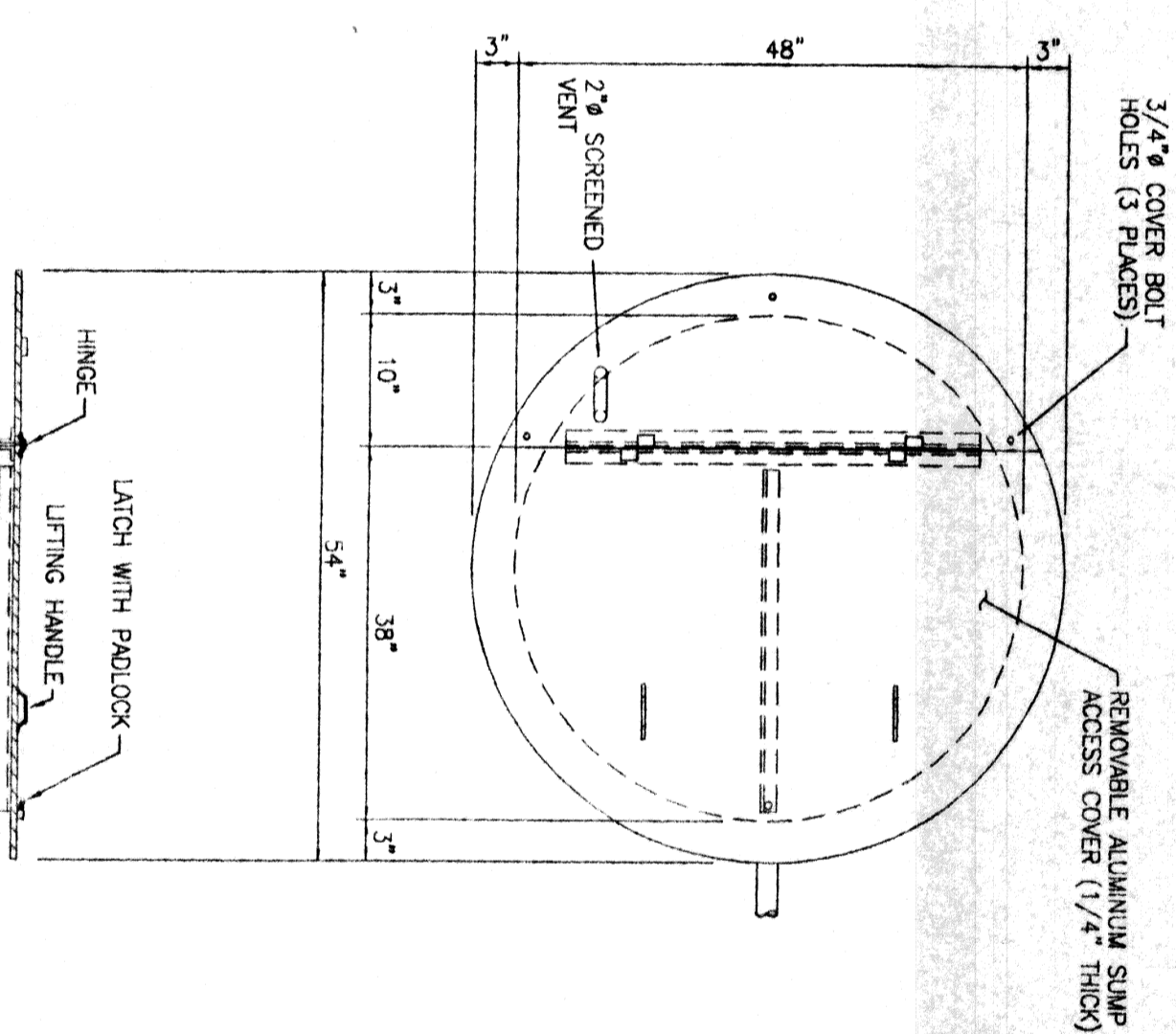


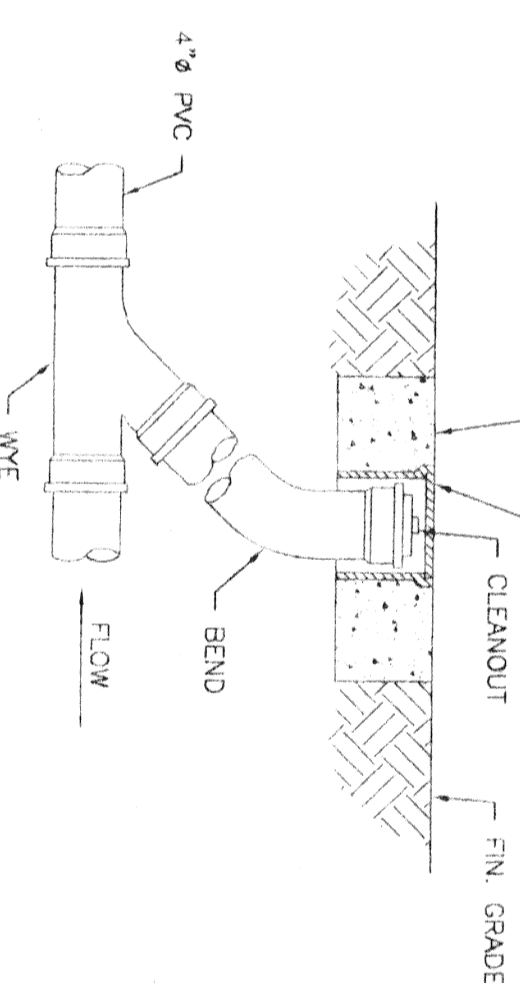
PLAN
N.T.S.



SECTION
N.T.S.



TYPICAL HATCH COVER
N.T.S.



GRAVITY SEWER CLEANOUT DETAIL
N.T.S.

- GRAVITY SEWER NOTES:**
1. GRAVITY SEWER PIPE SHALL BE PVC PIPE MEETING ASTM D3034, OR AS SPECIFICATIONS.
 2. PIPE BENDING SHALL BE SANS, OPENING FROM 6' BELOW PIPE INVERT TO 3' ABOVE PIPE SPRING-LINE BY FULL WIDTH OF TRENCH.

- SEWER FORCE MAIN NOTES:**
1. SEWER FORCE MAIN SHALL BE GLASS 200 PVC, SDR21 ASTM D2241 SPECIFICATIONS.
 2. FORCE MAIN SHALL HAVE 30' MINIMUM COVER.
 3. PROVIDE 6\"/>
 - 4. PROVIDE NON-CORROSION METALLIC MARKER TAPE BURIED IN THE TRENCH ALONG THE PIPE CENTER LINE, 12\"/>
 - 5. COMPLETED FORCE MAIN SHALL BE PRESSURE TESTED AT 75 PSF FOR 2 HOURS.
 - 6. PROVIDE 75-BUILT PLAN SIGNING THE EXACT LOCATIONS OF THE COMPLETED FORCE MAIN AND GRAVITY SEWER.

- GRINDER PUMP NOTES:**
1. CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE PACKAGED DUPLEX, 300-GAL-MOUNT TYPE SEWER PUMPING STATION WITH SUBMERSIBLE GRINDER PUMPS, FIBERGLASS SUMP, AND CONTROL PANEL.
 2. LIFT STATION SUMP SHALL BE FACTORY FABRICATED OF FIBER-REINFORCED POLYESTER (FIBERGLASS) WITH RELATIVELY SMOOTH INTERIOR AND EXTERIOR SURFACES WITHIN AND PRESSURE FROM SOUGHT AND AN ADDITIONAL 10% OVERHEAD FOR OVERSIGHT.
 3. PUMPS SHALL BE SUBMERSIBLE GRINDER TYPE SEWER PUMPS WITH 2 HP, 3500 RPM, 200 VOLT, THREE PHASE MOTORS. EACH PUMP SHALL DELIVER 15 GPM AT 21' TDH, OVERHEADING.
 4. PUMP UNLOADING AND DISCHARGE PRINGS SHALL BE ARRANGED SO THAT EITHER PUMP CAN BE LIFTED OUT FOR SERVICE FROM THE TOP OF THE SUMP. PUMPS SHALL BE MOUNTED ON STAINLESS STEEL GUIDE BALLS WITH LEFT-OUT COUPLINGS FOR EASY REMOVAL AND REPOSITION WITHOUT TOOLS OR DE-MANAGING THE WEI-WELL.
 5. ALL THE PUMP, BRACKET'S, BRACKS, MISCELLANEOUS METAL PARTS AND FASTENERS BE SCHEDULE 40, THE 316 STAINLESS STEEL.
 6. ACCESS HATCH AND FRAME SHALL BE ALUMINUM WITH STAINLESS STEEL HARDWARE WINDOW THICKNESS.
 7. PUMP LEVEL CONTROLS SHALL BE SEALED MERCURY FLOAT SWITCHES SUSPENDED ALARM LEVELS.
 8. CONTROLS SHALL AUTOMATICALLY ALTERNATE LEAD AND LAG PUMPS. EACH CONTROL CONTROLS SHALL INCLUDE A THERMAL-MAGNETIC CIRCUIT BREAKER, MAGNETIC STARTER AND H-O-A SWITCH FOR EACH PUMP. A FLASHING HIGH WATER LEVEL ALARM LIGHT SHALL BE MOUNTED ON THE EXTERIOR OF THE CONTROL PANEL.
 9. GROUND CONDUIT SHALL BE 1/2\"/>
 - 10. ELECTRICAL SERVICE TO THE LIFT STATION SHALL BE 3-PHASE, 60 HZ, CONTRACTOR IS TO VERIFY PHASE AND VOLTAGE IN THE FIELD PRIOR TO ORDERING EQUIPMENT.
 - 11. ALL ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, LATEST REVISION.

FOR CONSTRUCTION
OWNER: Honda Dealership
ARCHITECT: Krebs, Lasalle, Lemieux Consultants, Inc.
DATE: 4/10/03
CONTRACTOR: _____

HONDA DEALERSHIP
LAKESHORE ESATES
ST. TAMMANY PARISH, LA

GRINDER PUMP STATION DETAILS & NOTES

NO.	DESCRIPTION	DATE	DESIGNED BY	CHECKED BY	APPROVED BY
1	REVISIONS				

DATE	DESCRIPTION	NO.	DESIGNED BY	CHECKED BY	APPROVED BY

KREBS, LASALLE, LEMIEUX CONSULTANTS, INC.
ENGINEERING • PLANNING • SURVEYING • HYDROLOGY • ENVIRONMENTAL
3013 27TH STREET METairie, LA 70002 (504)837-9170
2107 N. CALDWAY BLVD. SUITE F, MONROE, LA 70448 (504)824-5125
SCALE: AS SHOWN (DRAWING NO. 12 OF 14)
DESIGNED BY: MMH DRAWN BY: MMH CHECKED BY: MMH APPROVED BY: _____

