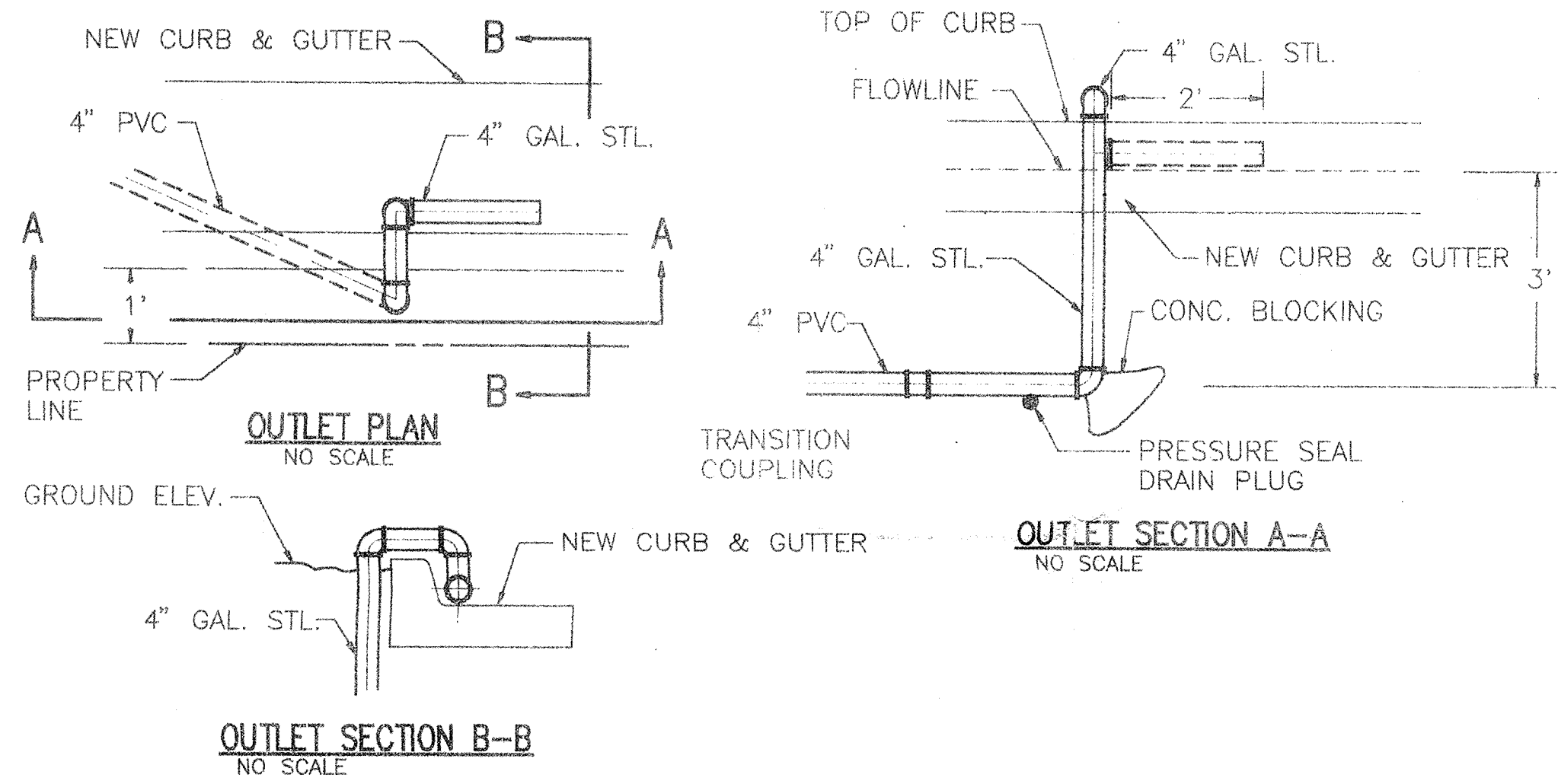


CONSTRUCTION NOTES

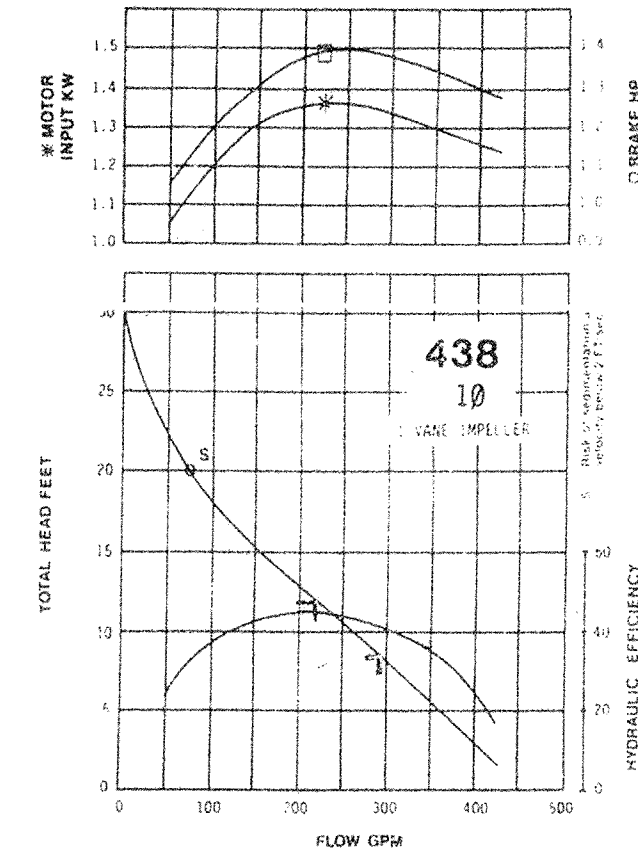
- 1. CONCRETE FOR NEW INLET STRUCTURE SHALL BE 4000#-28-DAY STRENGTH. REBAR SHALL BE GRADE 40 BARS.
- 2. ALL SMALL DIAMETER PVC PIPE SHALL BE SDR 26 PIPE.
- 3. TWO WORKING DAYS PRIOR TO AN EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE A 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5. MAINTENANCE OF THE ONSITE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- 6. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING AND SURVEYING FROM BASELINES, GRADES AND BENCH MARKS SHOWN ON THE PLANS, OR AS MODIFIED IN THE FIELD BY THE ENGINEER, FOR ALL ITEMS OF WORK WHICH REQUIRE STAKING AND SURVEYING. IT SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY TO REESTABLISH ANY MISSING POINTS. STAKING AND SURVEYING IS INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL WASTE MATERIAL.



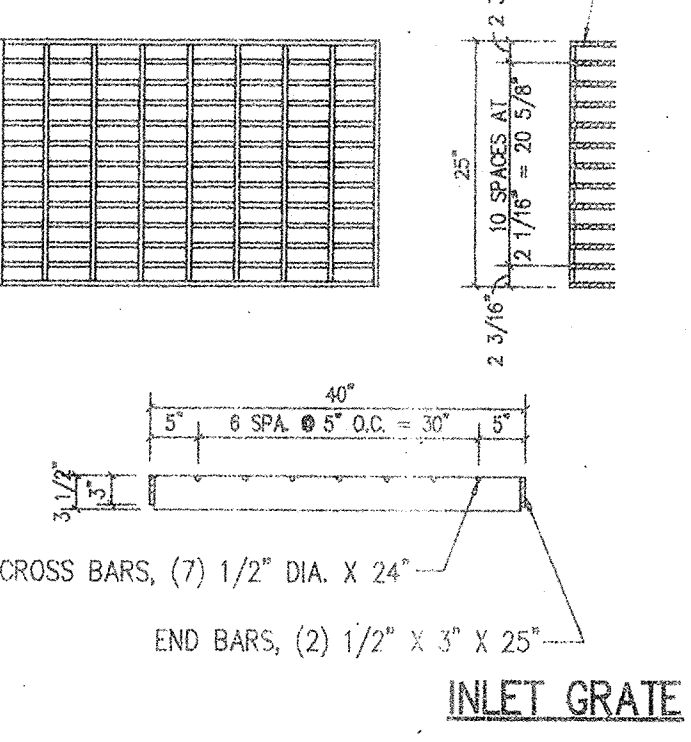
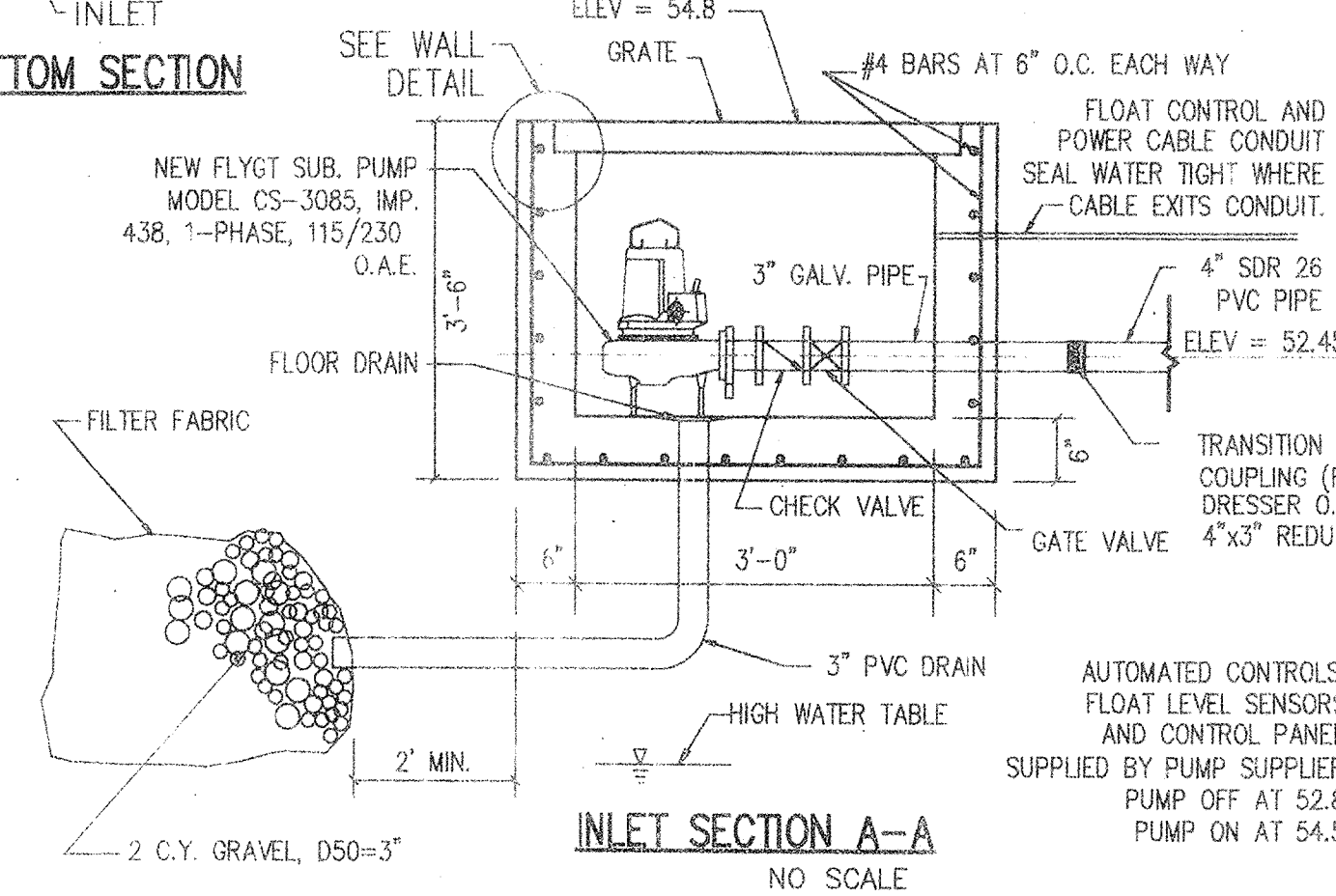
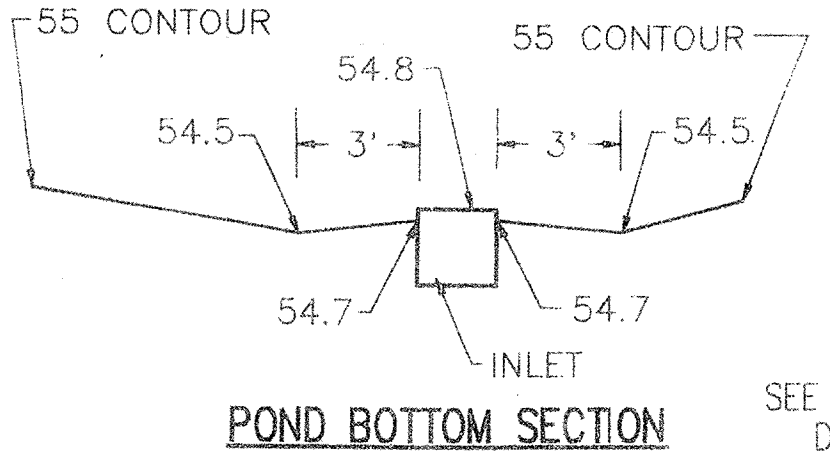
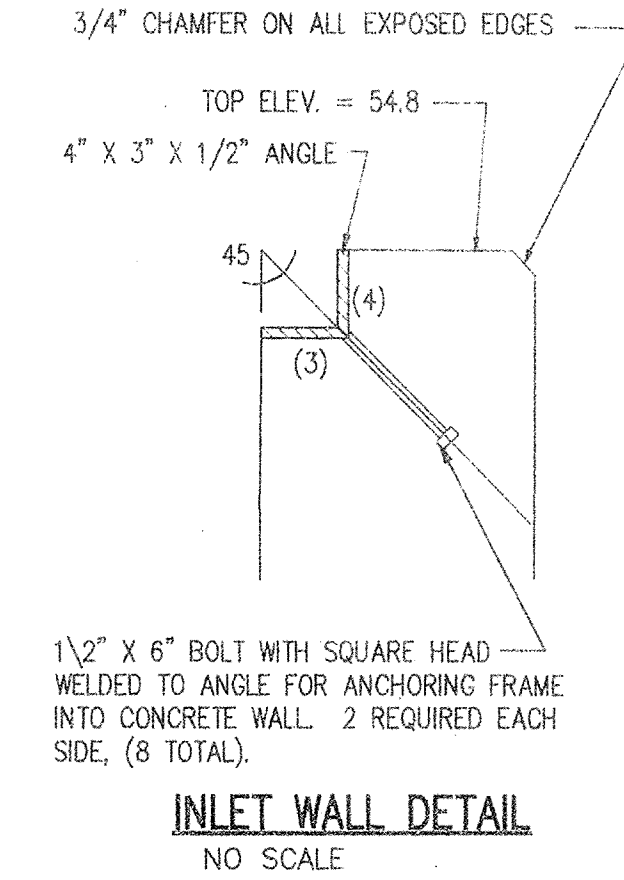
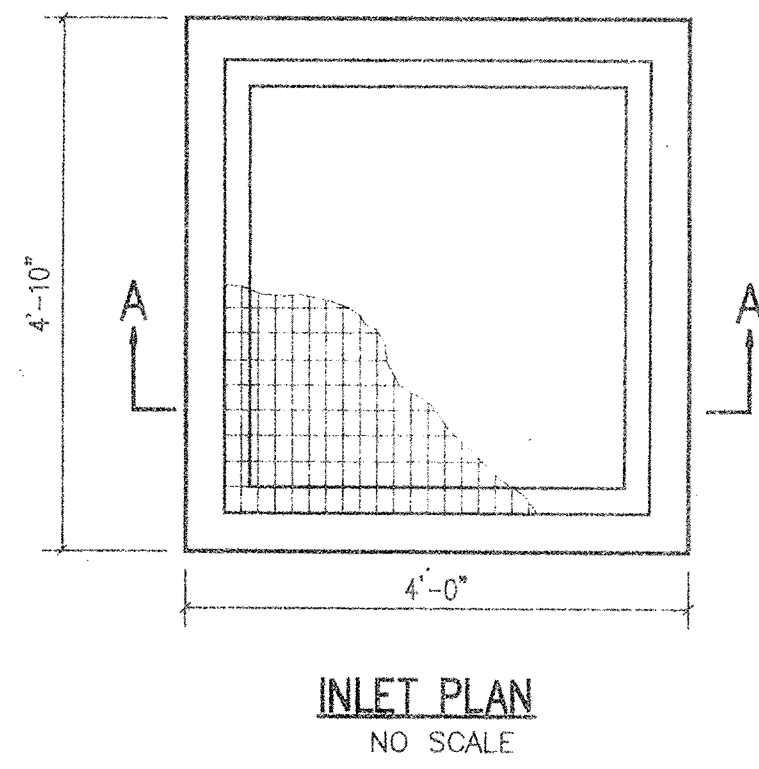
PUMP DATA:

STATIC LIFT: 1 FT. TO 5 FT. (POND LEVEL VARIATION)
TOTAL EQUIVALENT FEET OF DISCHARGE PIPE = 154'
ALLOWABLE DISCHARGE = 0.7 cfs = 314 gpm
SYSTEM HEAD LOSS = 7.5'
TOTAL DYNAMIC LOSS = 8.5' TO 12.5'
PUMP SELECTION TO OPERATE BETWEEN 220 gpm AND 300 gpm (APPROX)

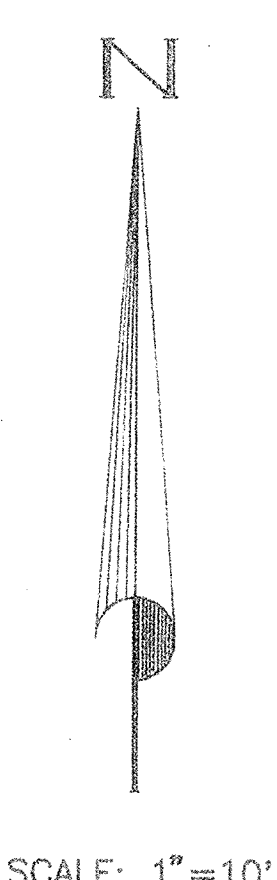
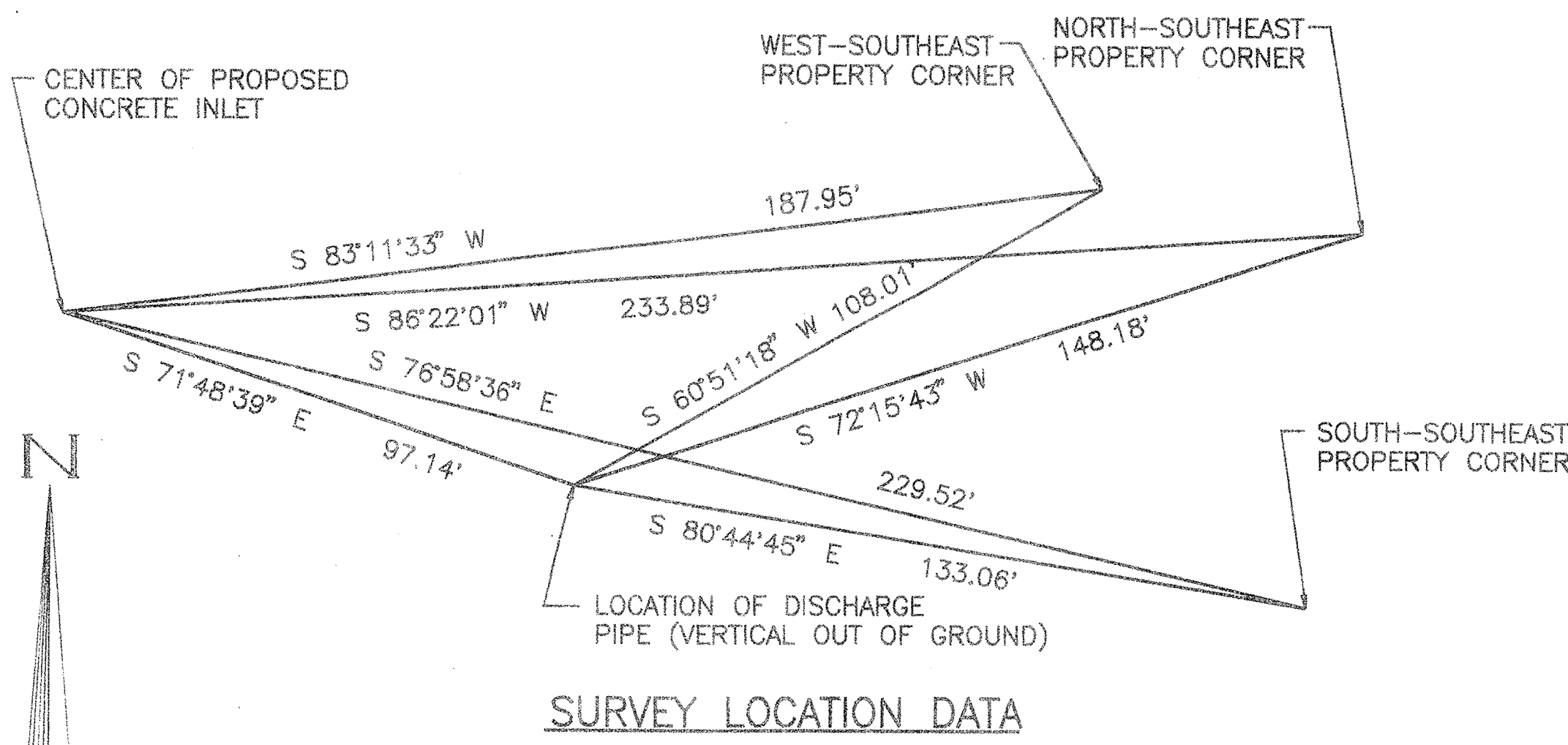
PUMP CURVE:



65 cfs
2740 cfm
pond down to 12.5' less ✓
ok



- INLET CONSTRUCTION NOTES**
- 1. ALL BARS SHALL BE STRUCTURAL GRADE STEEL, GRADE A36.
 - 2. THE GRATE SHALL BE WELDED WITH 1/8" FILLET WELD AROUND BOTH SIDES OF CROSS BARS, 1/4" FILLET WELD BOTH SIDES OF BEARING BARS TO END BARS.
 - 3. AFTER CLEANING SURFACE OF SCALE, RUST, OILS, ETC., PAINT GRATE WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69) WITH TOP OF GRATE.
 - 4. GRIND WELDS FLUSH WITH BEARING BARS.
 - 5. WHEN INSTALLED IN FRAME, PUSH TIGHT TO ONE SIDE, OTHER SIDE SHALL HAVE 1/2" MAX. OPENING. SPACERS WELDED TO FRAME MAY BE USED IF REQUIRED TO KEEP 1/2" SPACE OR LESS.



ALBUQUERQUE MAIL SERVICE
GRADING AND DRAINAGE PLAN

KEMPER-VAUGHAN
CONSULTING ENGINEERS

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Designed KRK Drawn SE Checked KRK Sheet 2 of 2

File DURABILT\AMS-DR2A Date SEPTEMBER 1995