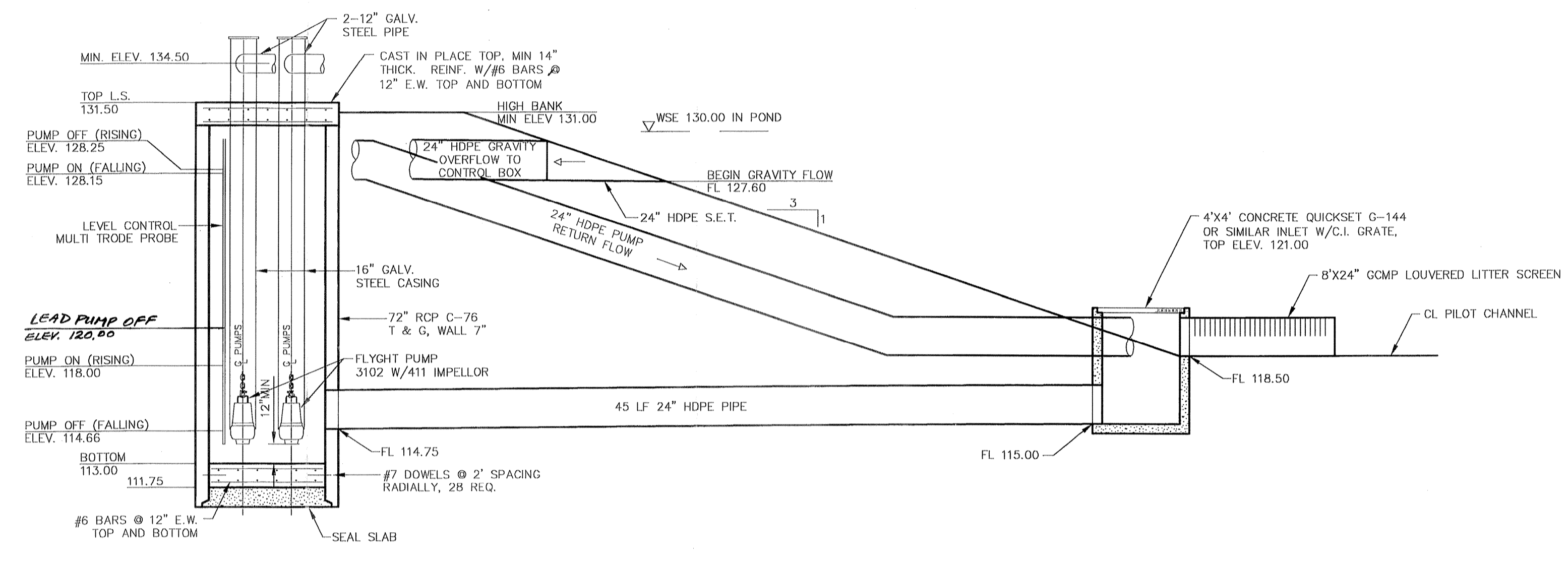


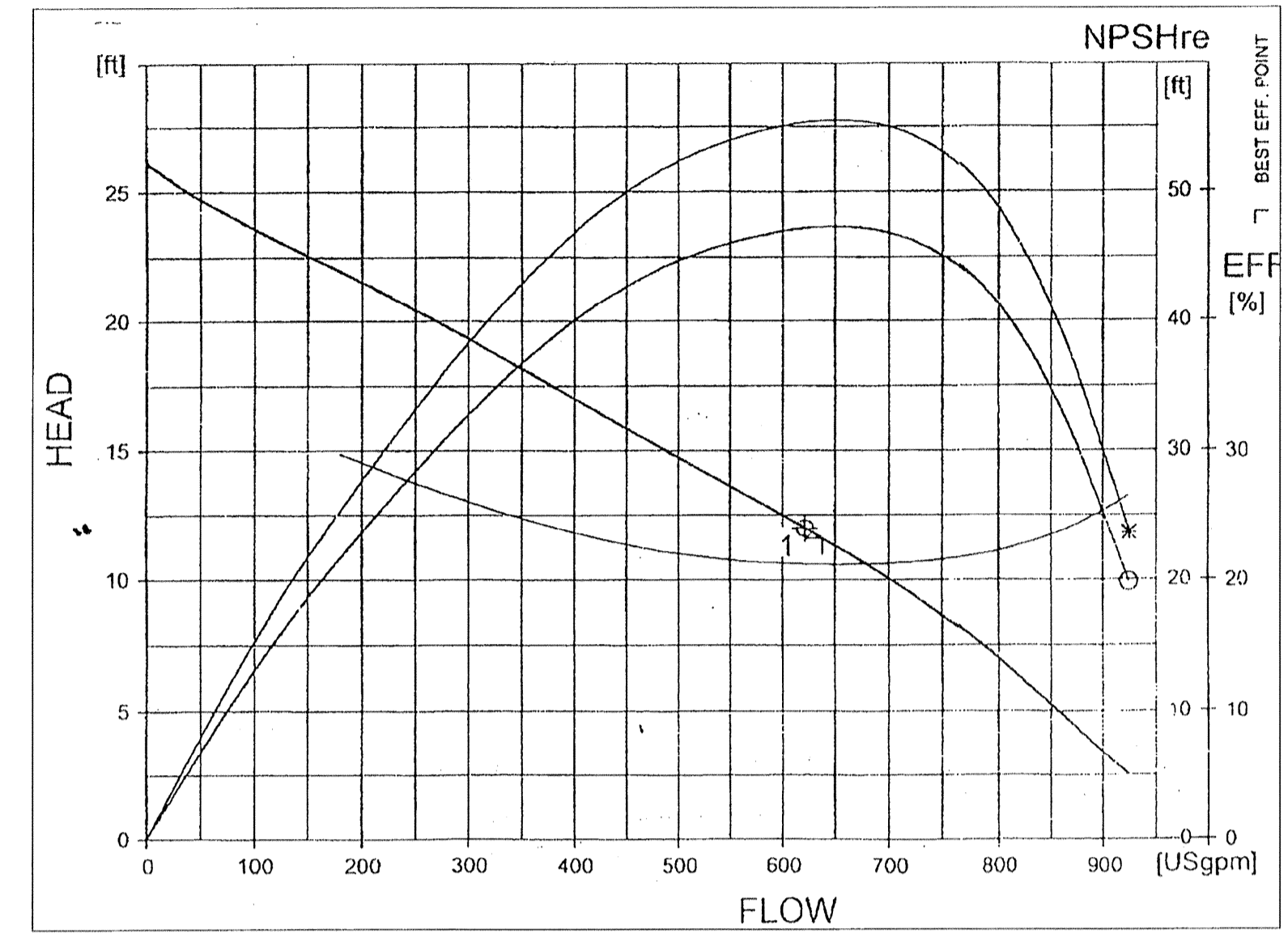
HEAVY DUTY ACCESS COVER:
CLEAR OPENING 2'-6" X 4'-0"
PROVIDE SAFETY NET SYSTEM



MAX. HEAD = 19.84'
MIN. HEAD = 6.35'

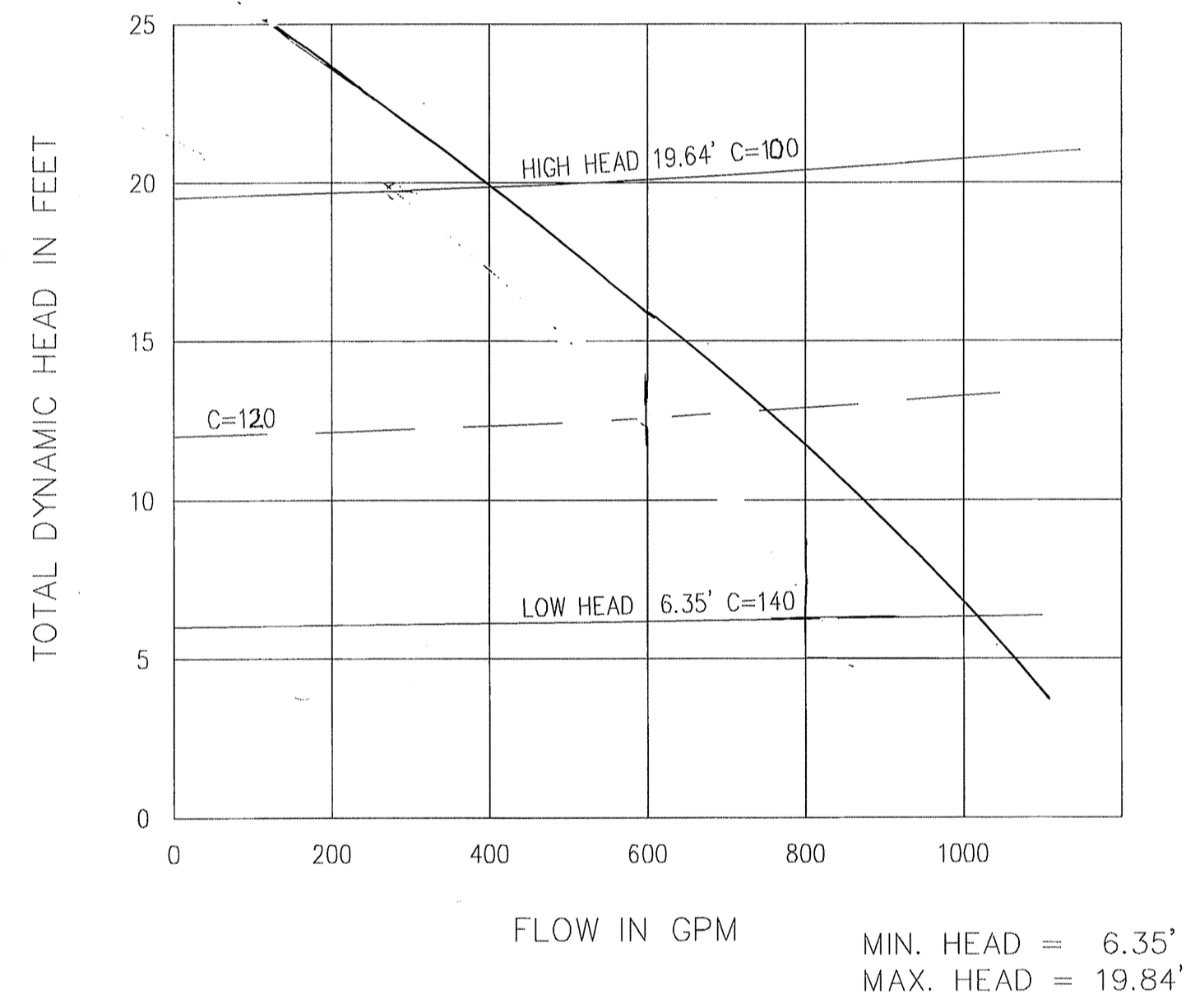
LIFT STATION CROSS SECTION
1" = 5'

PERFORMANCE CURVE



THIS CURVE IS BASED ON FLYGT 3102 PUMP W/411 IMPELLER @ 1745 RPM, PUMPS WITH SIMILAR CHARACTERISTICS MAY BE CONSIDERED. THIS PUMP USES A SHP 460V 3 PHASE MOTOR.

SYSTEM CURVE



MIN. HEAD = 6.35'
MAX. HEAD = 19.84'

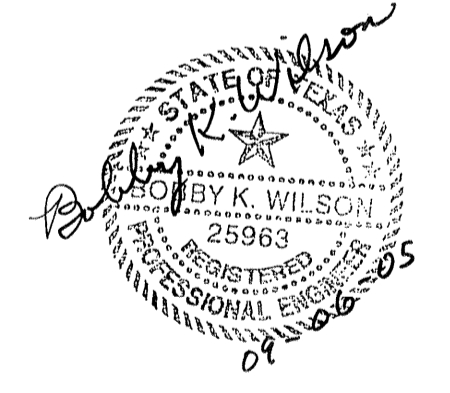
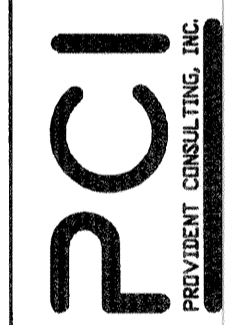
STATION OPERATION TABLES

VILLAS AT WILLOWBROOK STORM WATER LIFT STATION			
RISING LEVEL CYCLE			
WATER LEVEL ELEVATION	ACTION		PUMP OPERATION
118.00	PUMP ON	LEAD PUMP ON	PUMP ON
120.00	LAG PUMP ON		PUMP ON
128.25	PUMP OFF	BOTH PUMPS OFF	PUMP OFF
FALLING LEVEL CYCLE			
WATER LEVEL ELEVATION	ACTION		PUMP OPERATION
114.66	LEAD PUMP OFF		PUMP OFF
119.50	LAG PUMP OFF		PUMP ON
128.15	BOTH PUMPS ON		PUMP OFF

NOTE: AN ADDITIONAL LEVEL CONTROL IS INSTALLED AT THE OUTFALL MANHOLE TO SHUT PUMPS OFF IF THE ROADSIDE DITCH OUTFALL IS MORE THAN 1/2 FULL, (EL. 128.80)

BENCH MARK
BENCHMARK: NATIONAL GEODETIC SURVEY MARKER
Y1216, 1973 ADJ., ELEV = 125.994
Y1216, 1978 ADJ., ELEV = 125.406
Y1216, 1988 ADJ., ELEV = 123.94
ELEVATIONS ARE BASED ON 1973 ADJUSTMENT

PROVIDENT CONSULTING, INC.
1405 ALLSTON ST.
HOUSTON, TEXAS 77008
(713)802-1019



VILLAS AT WILLOWBROOK
IN
HARRIS COUNTY MUD 191
HARRIS COUNTY, TEXAS
LIFT STATION AND
PUMP DETAILS

WATER	WASTEWATER	TRAFFIC
ST. & BRIDGE	STORMWATER	SWQ

FILE NO:
DRAWING SCALE:
AS SHOWN
VERT: HORZ:
SHEET No: 15 OF 24

