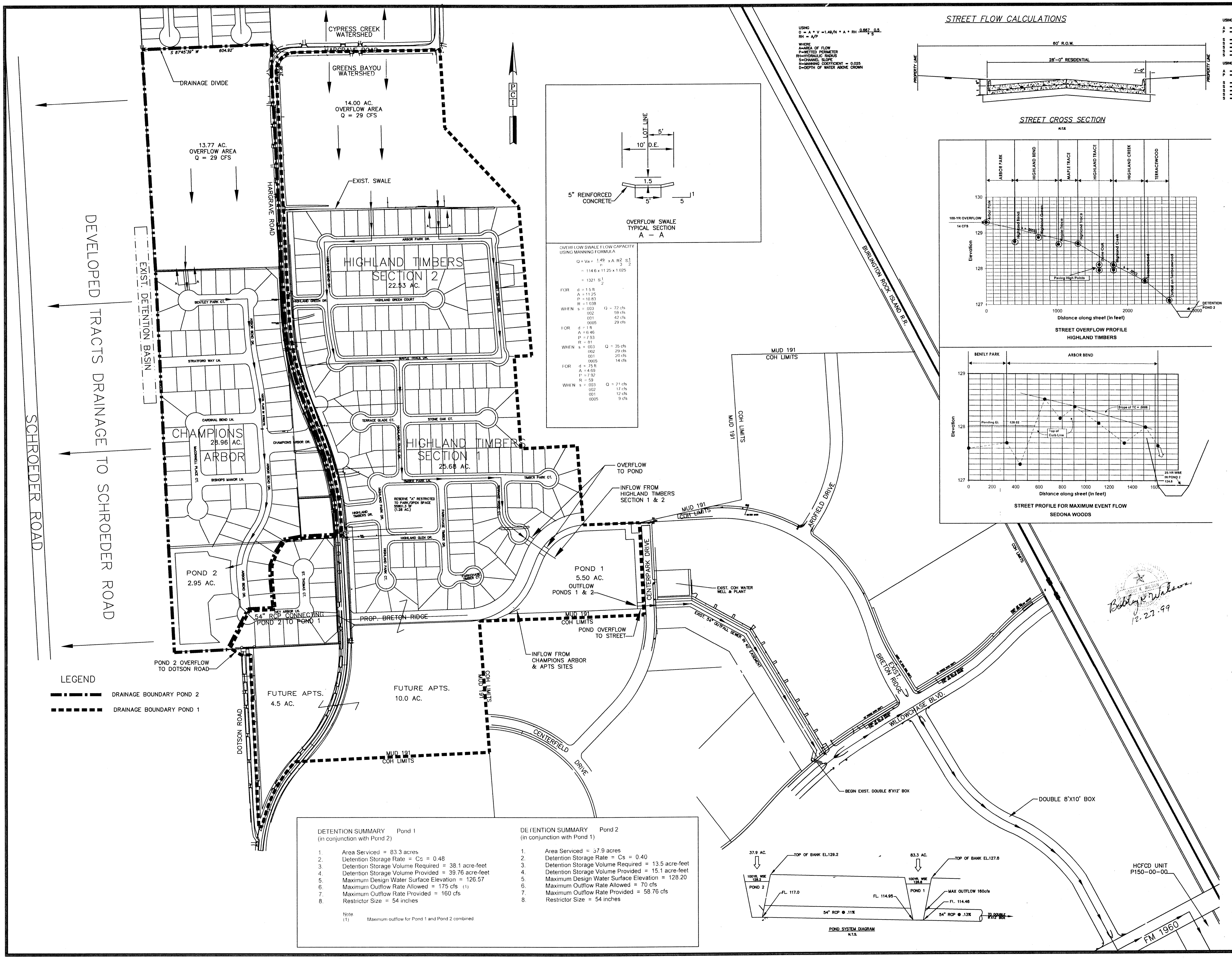

DETENTION SUMMARY Pond 1
(in conjunction with Pond 2)

1. Area Serviced = 83.3 acres
2. Detention Storage Rate = Cs = 0.48
3. Detention Storage Volume Required = 38.1 acre-feet
4. Detention Storage Volume Provided = 39.76 acre-feet
5. Maximum Design Water Surface Elevation = 126.57
6. Maximum Outflow Rate Allowed = 175 cfs (1)
7. Maximum Outflow Rate Provided = 160 cfs
8. Restrictor Size = 54 inches

Note.
(1) Maximum outflow for Pond 1 and Pond 2 combined.

DETENTION SUMMARY Pond 2
(in conjunction with Pond 1)

1. Area Serviced = 37.9 acres
2. Detention Storage Rate = Cs = 0.40
3. Detention Storage Volume Required = 13.5 acre-feet
4. Detention Storage Volume Provided = 15.1 acre-feet
5. Maximum Design Water Surface Elevation = 128.20
6. Maximum Outflow Rate Allowed = 70 cfs
7. Maximum Outflow Rate Provided = 58.76 cfs
8. Restrictor Size = 54 inches

Rev.	Date	Description	App.

PRIVATE UTILITY LINES SHOWN

RELIANT ENERGIES, INC./ENTEX 12/29/99

SOUTHWESTERN BELL TELEPHONE CO. 12/29/99
Valid for One Year Only

RELIANT ENERGIES, INC./H.L.&P. CO. 12/29/99
Approval Only for Crossing Underground Ductlines Unless Noted. Valid at Time of Review Only.

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

REVIEWED BY

PRIVATELY FUNDED PUBLIC WORKS	CITY FUNDED PUBLIC WORKS
WATER 1-6-2000	
WASTEWATER 1-6-00	PROJECT MANAGER
STORM WATER 1-6-2K	CONSTRUCTION
STREET AND BRIDGE	CHIEF ENGINEER

OTHER APPROVAL

TRAFFIC AND TRANSPORTATION — SPONSOR DEPARTMENT

CITY ENGINEER — DATE

DIRECTOR OF PUBLIC WORKS AND ENGINEERING — DATE 1-11-2000

SUBMITTED:		DESIGNED BY:	BOBBY WILSON
SCALE:	1" = 200'	DRAWN BY:	BILL DORRIS
DATE:	OCTOBER 1999	SHEET NO.	3 OF 11 SHEETS
SURVEY BY:			
F B NO:	481	CITY DWG. NO.	ARDRLAOT.DWG

HARRIS COUNTY MUD 191 DETENTION FACILITIES to serve HIGHLAND TIMBERS SECTION 1 & 2

OVERALL AREA DRAINAGE

PROVIDENT CONSULTING, INC.
1200 WEST 11TH ST.
HOUSTON, TEXAS 77008
(713)802-1019