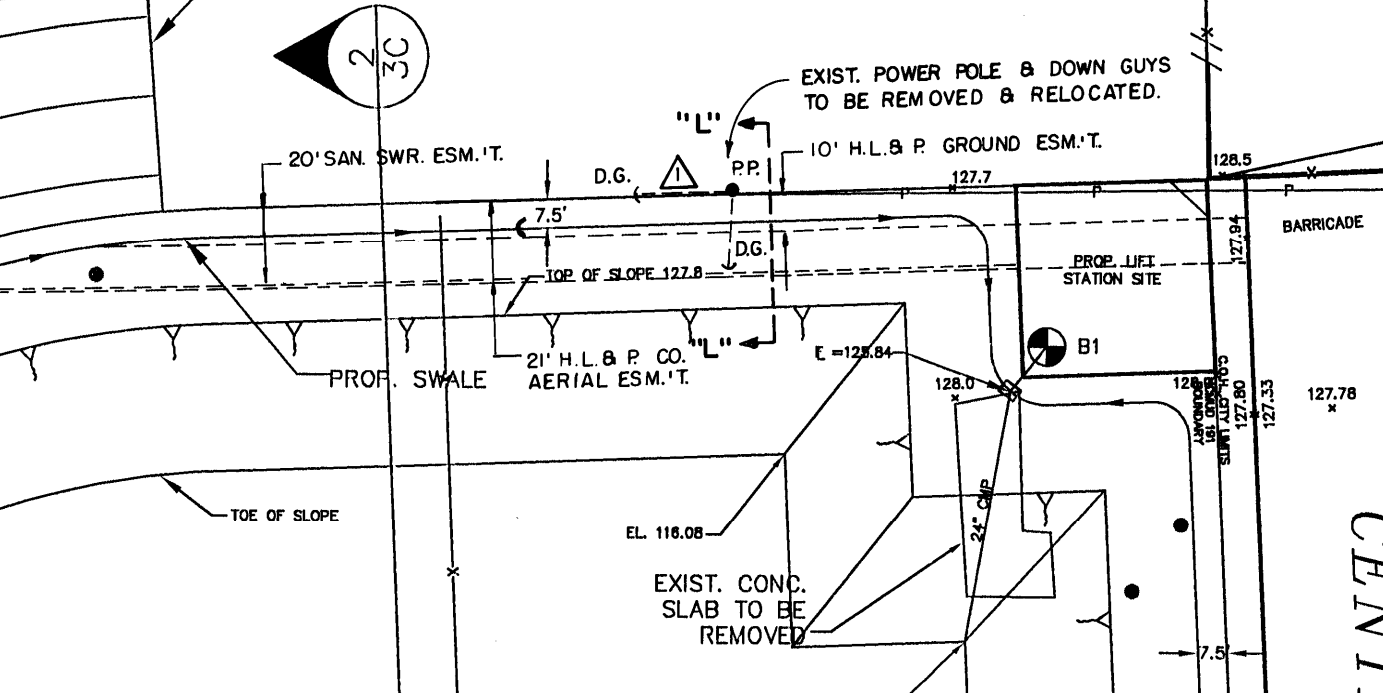
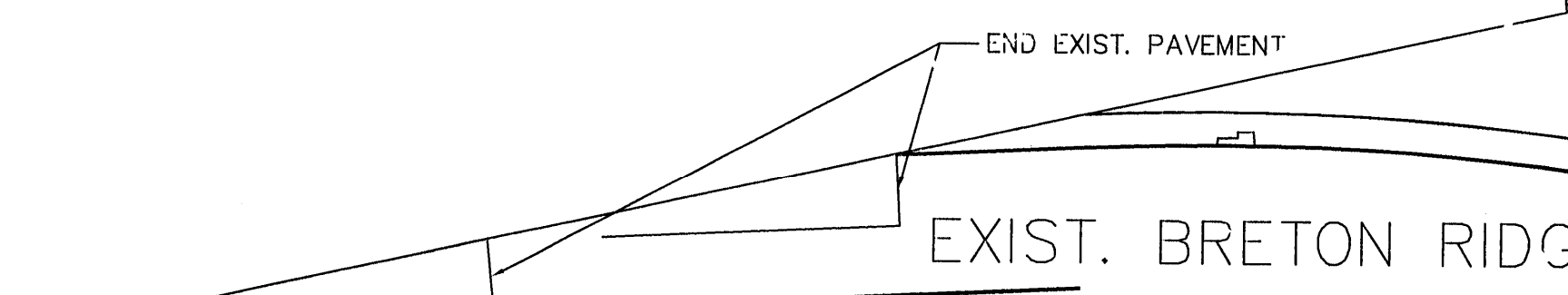


ACREAGE
END PROP. BRETON RIDGE PAVING

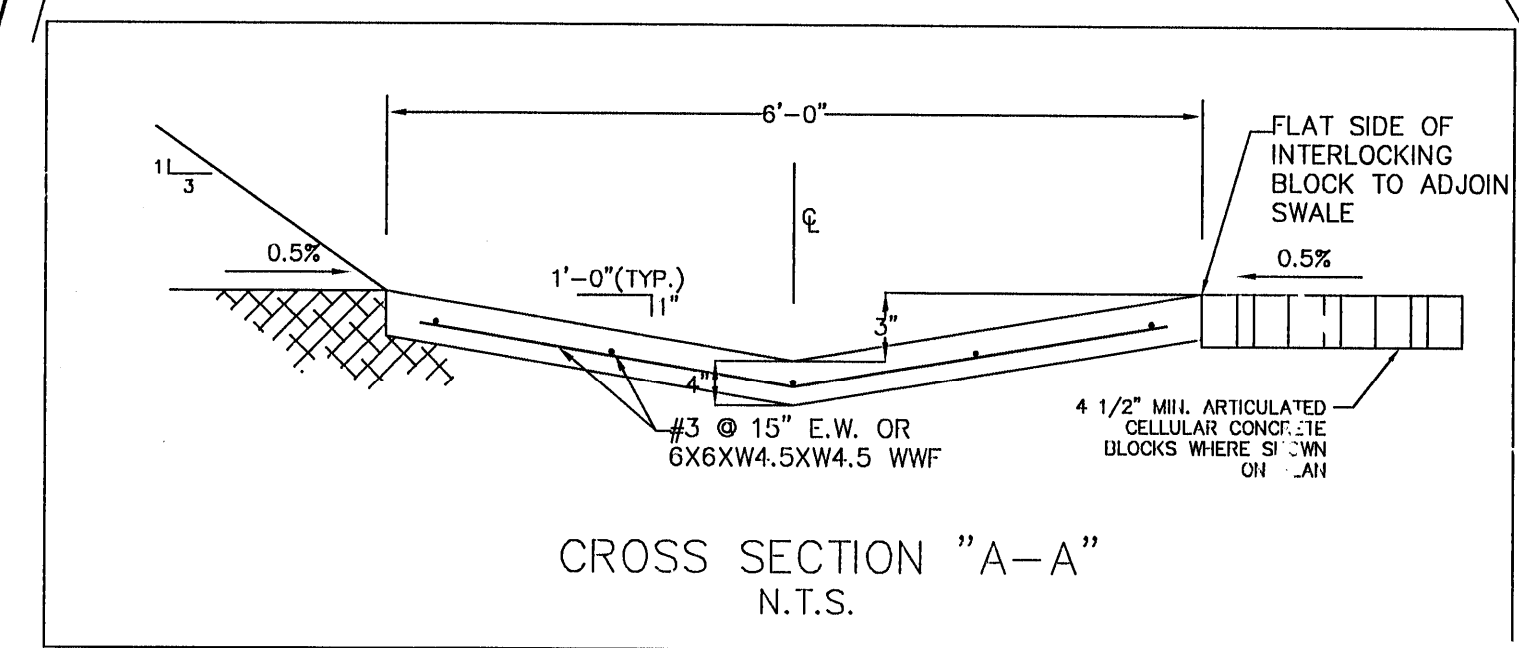


HIGHLAND TIMBERS DETENTION POND 1
PROPOSED TO BE ACCEPTED BY H.C.F.C.D. FOR MAINTENANCE PROVIDED A 1 YEAR MAINTENANCE PERIOD BY DEVELOPER SATISFACTORILY DEMONSTRATES LONG TERM DESIGN COMPLIANCE.

HARRIS COUNTY MUD 254 WATER PLANT SITE VOLUME 338, PAGE 73 H.C.M.R.

7/21/99
7/27/99
7/30/99

- DETENTION SUMMARY**
1. Area Served = 79 acres
 2. Detention Storage Rate = Cs = 0.50
 3. Detention Storage Volume Required = 39.50 acre-feet
 4. Detention Storage Volume Provided = 40.57 acre-feet
 5. Maximum Design Water Surface Elevation = 127.80
 6. Maximum Outflow Rate Allowed = 125 cfs
 7. Maximum Outflow Rate Provided = 118 cfs
 8. Restrictor Size = 50 inches
 9. As per that Report Entitled Preliminary Engineering Report Highland Timbers Detention Pond, Prepared by Bobby Wilson, dated Sept. 23, 1998, and as Accepted by H.C.F.C.D. Letter dated Sept. 25, 1998.



BENCH MARK

BENCH MARK: NATIONAL GEODETIC SURVEY MARKER
Y1216, 1973 ADJ., ELEV. = 123.994
Y1216, 1978 ADJ., ELEV. = 125.406
Y1216, 1988 ADJ., ELEV. = 123.94 (THIS ADJUSTMENT WAS USED FOR CUTTEN ROAD)

ELEVATIONS SHOWN HEREON ARE BASED ON 1973 ADJUSTMENT

TBM #1: SET RAILROAD SPIKE ON SOUTH SIDE OF 14" TALLOW APPROXIMATELY 31 FEET NORTH OF THE END OF CENTERFIELD DRIVE ELEVATION = 128.80

TBM #2: SET RAILROAD SPIKE ON SOUTH SIDE OF POWER POLE WITH TRANSFORMER ON WEST SIDE OF PRIVATE ROAD AND 200 FEET NORTH OF PRIVATE ROAD ELEVATION = 130.82

TBM #3: SET RAILROAD SPIKE ON EAST SIDE OF POWER POLE ON WEST SIDE OF HARGRAVE ROAD AND NORTH OF THE INTERSECTION OF DOTSON ROAD & HARGRAVE ROAD ELEVATION = 128.04

TBM #4: RAILROAD SPIKE ON EAST SIDE OF POWER POLE #1362 ON THE WEST SIDE OF HARGRAVE ROAD APPROXIMATELY 30 FEET NORTH OF 18 INCH R.C.P. AT GRAVEL DRIVE FROM 13627 HARGRAVE ROAD ELEVATION = 130.56

NOTE:
THIS TRACT IS IN ZONE "X" AS PER FEMA FLOOD INSURANCE RATE MAP PANEL NO. 46201C0245 J, HARRIS COUNTY, TX, REVISED NOV. 6, 1988. ZONE "X" IS DESCRIBED AS BEING OUTSIDE THE 500 YEAR FLOODPLAIN.

Rev.	Date	Description	App.
11-8-99		ADDED SAN. SWR. & H.L. & P. CO. ESM.T.'S.	

PRIVATE UTILITY LINES SHOWN

Reliant Energies, Inc./ENTEX	7/27/99
Southwestern Bell Telephone Co.	7/27/99
Reliant Energies, Inc./H.L. & P. CO.	7/27/99

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

REVIEWED BY	
PRIVATELY FUNDED PUBLIC WORKS	CITY FUNDED PUBLIC WORKS
Water	PROJECT MANAGER
Wastewater	CONSTRUCTION
Street and Bridge	CHIEF ENGINEER

CITY ENGINEER DATE: 9/21/99
DIRECTOR OF PUBLIC WORKS AND ENGINEERING DATE:

SUBMITTED: SCALE: 1" = 50'
DATE: JUNE 1999
SURVEY BY: 000
DESIGNED BY: BOBBY WILSON
DRAWN BY: BILL DORRIS
SHEET NO. 3A OF 9 SHEETS
CITY DWG. NO. OALD.DWG

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

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