



### Mid and South County Elevation Benchmark Correlation

The following is a tabulation and correlation of existing elevation control benchmarks in the DD7 service area.

Station	Description	NAVD88 Elevation (NGS)	Elevation (WLS) by Digital Level (DL)	Difference GPS vs. (DL)	Difference NGS vs. DL	NAD83 Coordinates	Geographic Coordinates (TSP/SCZ)
AIRPORT	Set by Wortech in median south of flagpole at Southeast Texas Regional Airport	12.8 feet (Bluebooked by NGS based on Wortech surveys)	12.618 feet	-0.127 feet	-0.182 feet	X = 3,544,787.77 Y = 13,929,350.62	94° 01' 14.57502" 29° 57' 27.87717"
F 1017	Inside Airport hangar Primary Control Monument for Mid and South Jefferson County	16.5 feet	15.691 feet	N/A	-0.809 feet	* X = 3,544,153 Y = 13,929,237	94° 01' 22" 29° 57' 27"
DD7-777	DD7 Primary Control Monument located at Halbouty Detention Facilities based on F 1017	5.08 feet				X = 3,556,568.64 Y = 13,920,546.56	93° 59' 05.05828" 29° 55' 55.81947"
LUB-0520-D	Set by TCOON located at Total Dock Rd. and Neches River	3.66 feet (Bluebooked by NGS based on Wortech surveys)				X = 3,588,054.32 Y = 13,939,058.95	93° 52' 58.34278" 29° 58' 45.41172"

777 is the Primary Control Monument for all DD7 Masterplan work. It's elevation was established relative to F 1017 which has been the recognized Benchmark for Mid and South Jefferson County for many years. The AIRPORT benchmark established by Wortech Land Surveying is based on recognized elevation controls in North Jefferson County. There is a difference of approximately 0.81 ft. between these datum's as shown in the table.

\* Converted from Lat/Long on NGS Data Sheet

#### **Abbreviations:**

DD7	Jefferson County Drainage District No. 7
DL	Digital Level
NAVD88	North American Vertical Datum
NGS	National Geodetic Survey
TCOON	Texas Coastal Oceanic Observation Network
WLS	Wortec Land Surveyors