

NOTES

TBM
CONCRETE NEXT TO
ALUMINUM FLANGE W OF
FENCE CORNER
EL 92.23
ESTABLISHED 8/23/15

TBM
ALUMINUM FLANGE W OF
FENCE CORNER
EL 92.26
REESTABLISHED 2/2/11

1. THIS IS A NOT TO SCALE GRAPHICAL REPRESENTATION OF THE DAETWYLER WEIR AND BRIDGE STRUCTURE FOR THE PURPOSE OF IDENTIFYING STRUCTURE ELEVATIONS TO MONITOR ANY SETTLEMENT OF THE STRUCTURE.
2. STRUCTURE ELEVATIONS ARE TAKEN ON THE CONCRETE NORTH OF THE ALUMINUM ANGLE SUPPORTING THE CATWALK. 2011 ELEVATIONS WERE TAKEN ON THE ANGLES RESULTING IN THE NEW VALUES EXPECTED TO BE .02' LOWER.
3. OLD WEIR ELEVATIONS ARE TAKEN ON THE TOP OF THE COMPOSITE BOARDS. NEW ARE ON TOP OF ALUMINUM EXTENSIONS.
4. ORANGE COUNTY BENCHMARKS USED ARE BRASS DISKS LOCATED IN THE CENTER OF THE HEADWALLS OF THE BRIDGE STRUCTURE (NGVD 29).

	2/2/11 OLD WEIR	8/23/15 OLD WEIR	8/23/15 NEW WEIR			
8/23/15 WS DOWNSTREAM OF WEIR 86.93	86.40		86.44	86.47?	87.95	2015
	88.00		87.95	86.39	88.00	2011
8/23/15 WS UPSTREAM OF WEIR 87.13	86.14	86.11	86.44			
	86.21	86.20	86.45			
	88.12		88.11			
	86.19	86.20	86.42			
	86.31	86.33	86.43			
	88.22		88.20			
	86.30	86.30	86.42			
	86.35	86.32	86.43			
	88.25		88.23			
	86.34	86.32	86.43			
	86.33	86.33	86.45			
	88.25		88.23			
	86.37		86.43			
	86.39	86.39	86.42			
	88.29		88.28			
	86.36		86.38	86.43	88.31	2015
				86.40	88.33	2011

8/23/15

1. VARIANCE IN ELEVATIONS BETWEEN 2/2/11 AND 8/23/15 ARE LESS THAN 0.02' WHICH IS WITHIN THE ERROR OF MEASUREMENT.
2. THERE IS NO SIGNIFICANT SETTLEMENT OF THE STRUCTURE SINCE 2011.
3. THE NORTH WEIR HAS BEEN ADJUSTED IN A FASHION WHICH PREVENTS VERIFICATION OF PREVIOUS ELEVATION.
4. THE SOUTH WEIR WAS NOT ADJUSTED.

OC BENCHMARK
L-1058-006
EL. 92.287 VERIFIED IN
ERROR WITH OC
SURVEYOR RON CLARK
2/2/2011 ACTUAL
ELEVATION 92.34



OC BENCHMARK
L-1058-005
EL. 92.22 8/31/2000
VERIFIED WITH OC
SURVEYOR RON CLARK
2/2/2011
CURRENTLY LISTED AS
CS038

DAETWYLER
DRIVE

DAETWYLER WEIR		
8/23/15 ELEVATION CHECK		
FOR: LAKE CONWAY NAVIGATION ADVISORY BOARD		
SCALE: NONE	DATE: 8/23/15	FILENAME: CNBDWY02
SHEET 1 OF 1	DESIGNED BY: DWW	DRAWN BY: DWW

DW
ENGINEERING, INC.

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