

Gravity Outlet Alternatives



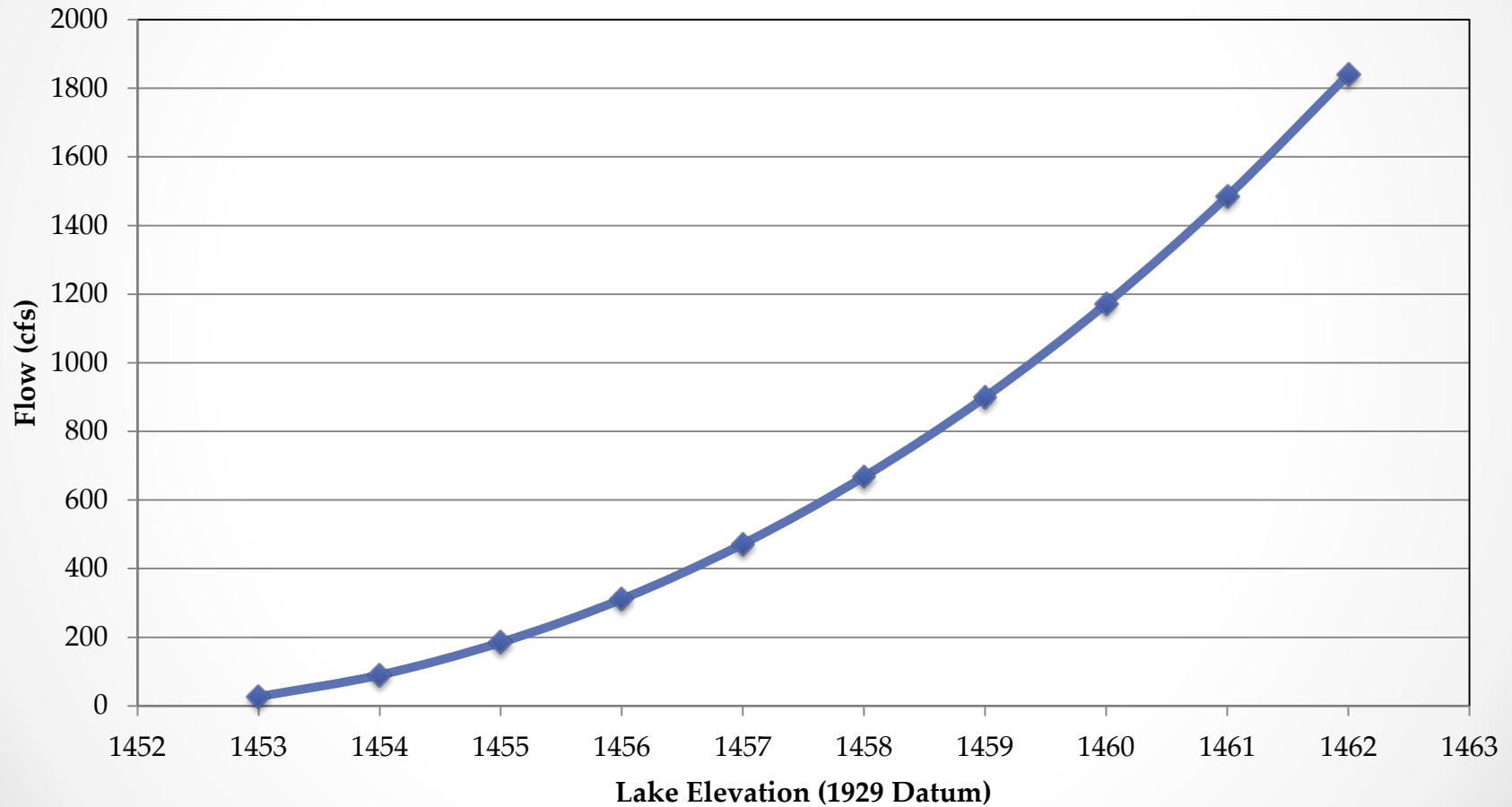
Alternative 2a

- Based on the analysis, Alternative 2a was chosen as the best route
- The channel length for Alternative 2a would be approximately **0.95 Miles** long
- A channel with upstream invert at 1452 ft (1929 Datum) with a bottom width of 40 feet would discharge approximately 90 cfs when lake is at 1454 ft

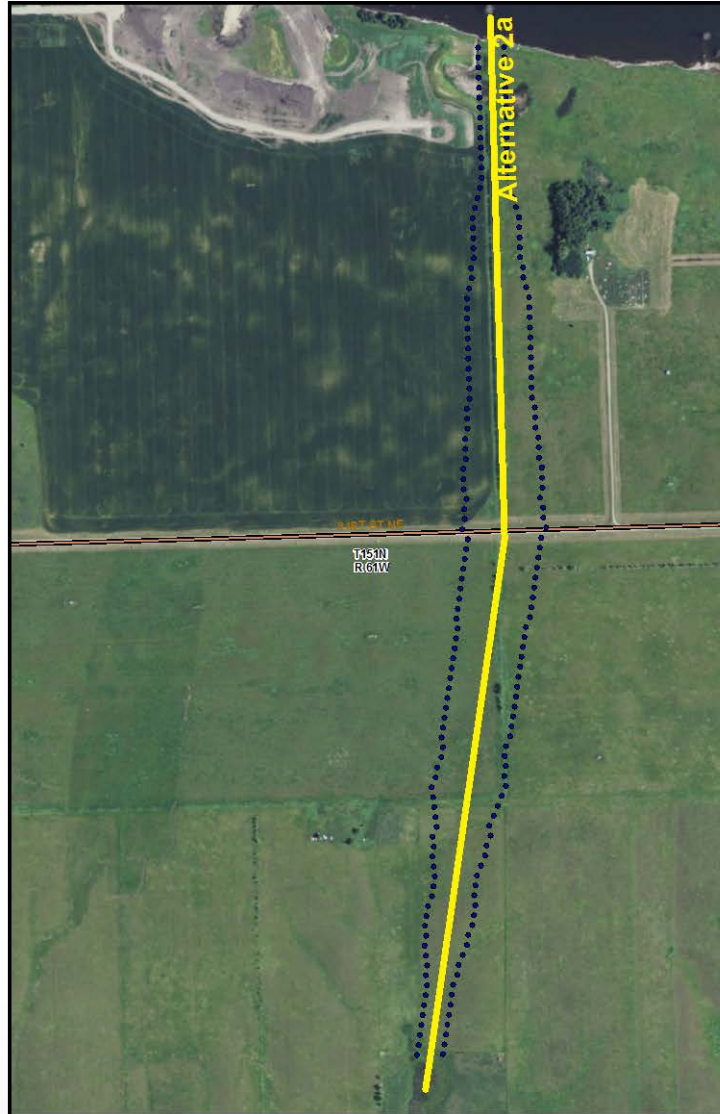
Alternative 2a Rating Curve Data

Lake Elevation (1929 Datum)	Flow (cfs)	Velocity (fps)
1453	27	0.62
1454	90	0.94
1455	185	1.18
1456	311	1.39
1457	472	1.57
1458	668	1.74
1459	900	1.89
1460	1,172	2.03
1461	1,485	2.17
1462	1,840	2.3

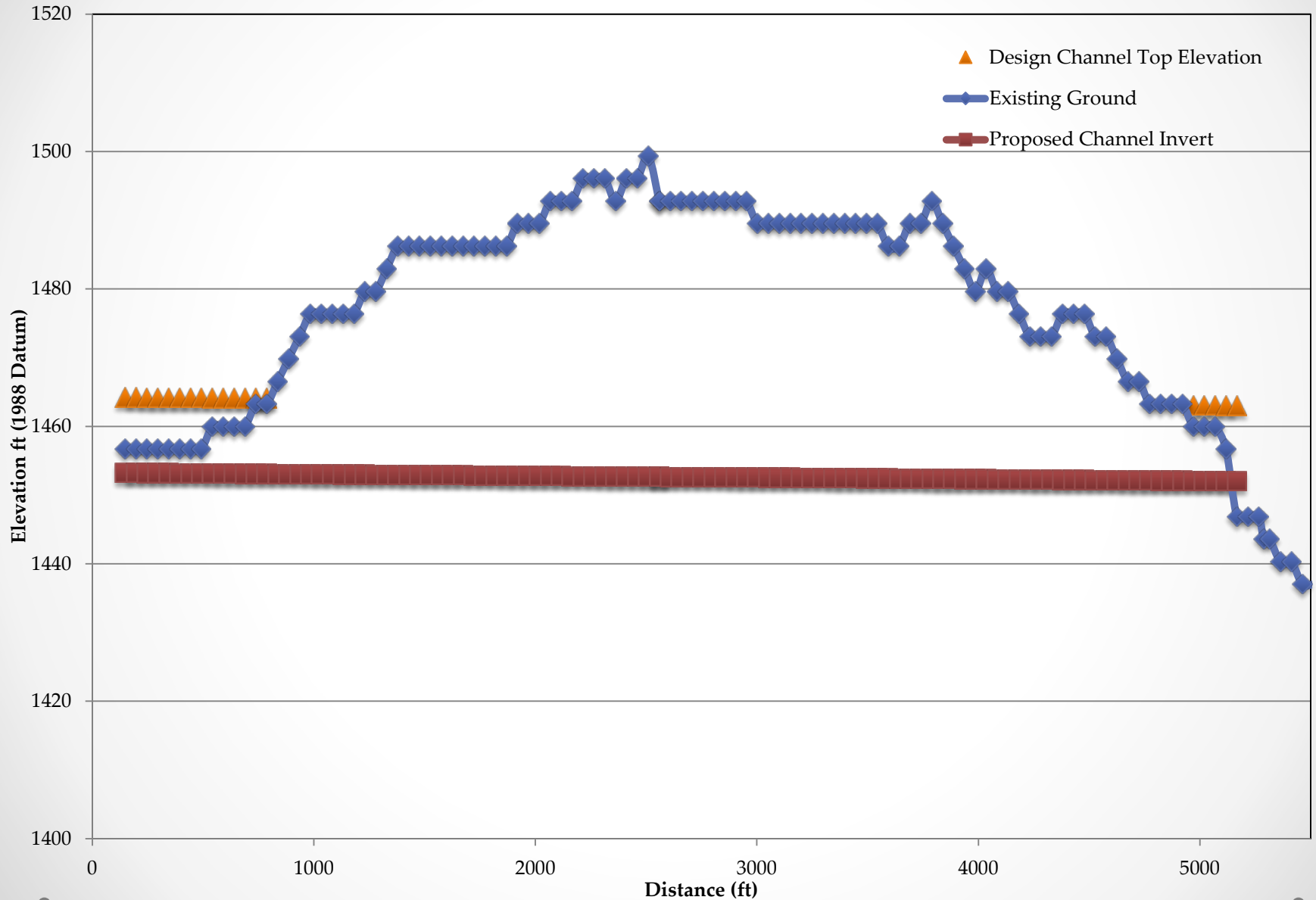
Alternative 2a Rating Curve



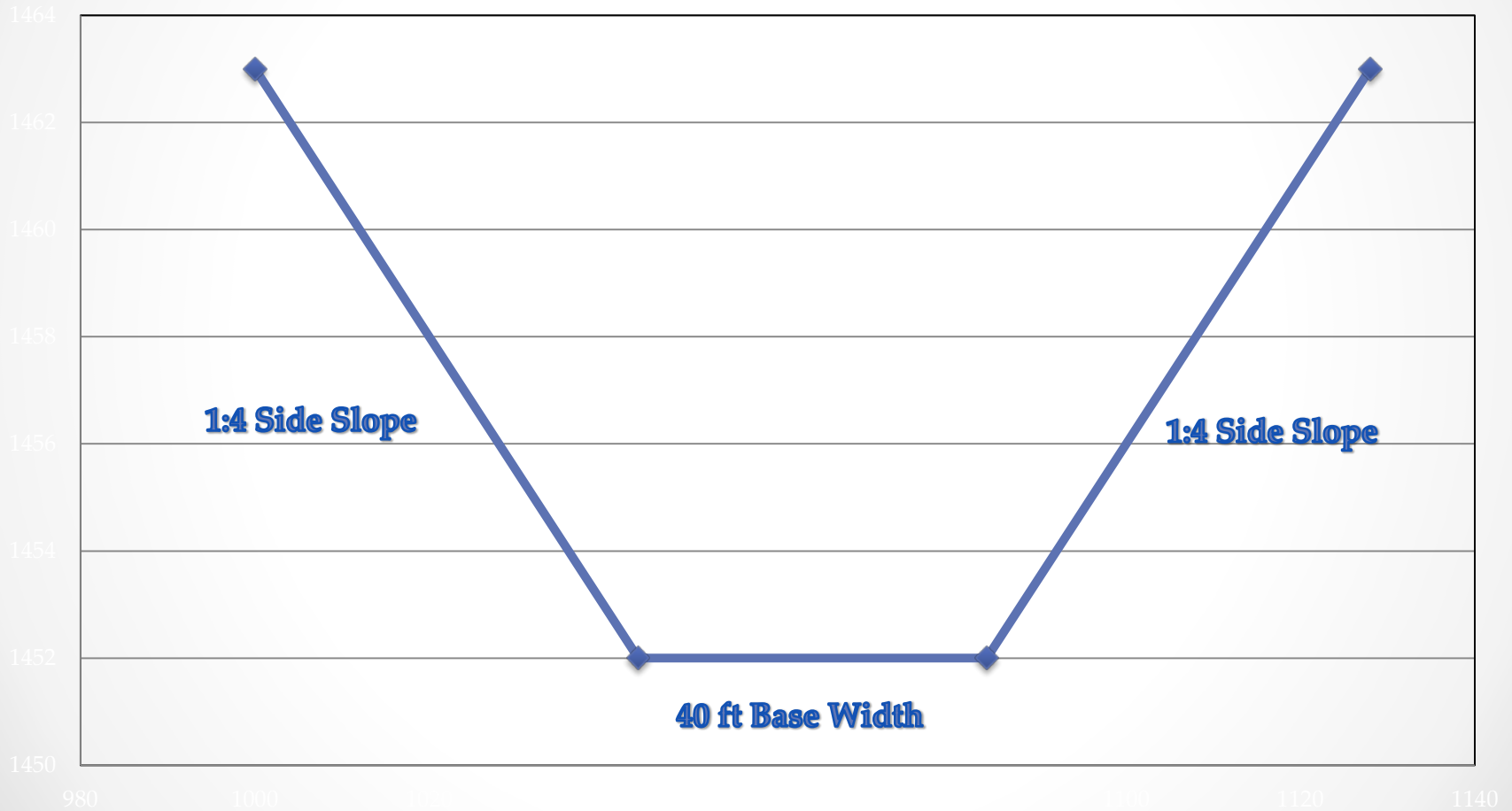
Alternative 2a with Top Width



Alternative 2a Profile Data



Typical Cross-Section



Drop Structure

