



POST FALLS APARTMENT COMPLEX

TEAM COMPLEX DESIGNERS

MEMBERS: ALIYANA AVALOS, NOAH GEORGE, PARKER SCHWERS

PROJECT SPONSOR: ARDURRA GROUP, INC.

SPONSOR CONTACT: JOANNA LITALIEN



BACKGROUND

- Located in Post Falls, Idaho
- Developing area
 - 16-acre plot
 - Proposed new housing between Wal-Mart and Cabela's



OBJECTIVES

- Design building and parking layout
- Design stormwater storage
- Create Grading Plan
- Design utilities to align with existing main line connections

COST ESTIMATE

Design	Total Cost
Utilities	\$ 362,016
Site Layout	\$ 733,584
Grading/Storm	\$ 195,965
Total	\$1,291,565

DESIGN

UTILITIES

- Water and Sewer mains
- Water and Sewer services
- Fire-Riser and Hydrant connection and location
- Municipal Network Connection

STORMWATER & GRADING

- Site divided into four stormwater basins
- Seven double depth drywells
- Designed to 20 year 2 hour storm event
- Grading designed to meet Post Falls and ADA standards

SITE LAYOUT

- 16 Buildings
 - 384 Units
- Pedestrian ramps
 - Parallel and perpendicular



2023 Capstone Project