

3rd Ave Cul-de-sac Water Quality Retrofit
 Direct runoff to new infiltration basin or subsurface infiltration chamber within draw.
 Direct high flow bypass safely to Ben Johnson Rd drainage system.

Rock Ridge Way & Cobblestone Way Cul-de-sac's Water Quality Retrofits
 Install new catchbasins and compliant drywells/infiltration trenches with bubble-ups for high flow bypass.

3rd Ave & Deer Pointe Dr Cul-de-sac's Water Quality Retrofit
 Zoom-In of New Infiltration Basin within Draw

Deer Pointe Dr Water Quality Retrofit
 Install new compliant drywells/infiltration trenches along Deer Pointe Dr.
 Direct cul-de-sac runoff to new infiltration basin or subsurface infiltration chamber within draw.
 Direct high flow bypass safely to Ben Johnson Rd drainage system.

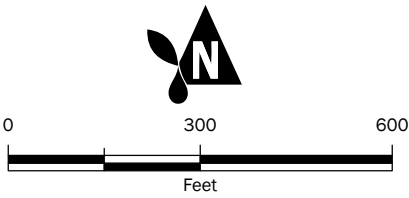
3rd Ave & Pitchstone Dr Water Quality Retrofit
 Utilize existing piped diversion and bubble-up structure to direct runoff to new catch basins at the base of Pitchstone Dr and upsized infiltration chamber.

Billy Meadow Ln Cul-de-sac Water Quality Retrofit
 Install new sedimentation manhole with compliant drywell/infiltration trench.
 Utilize existing piped outfall for overflow.

Primary Project Benefit:
 Retrofits will retain and infiltrate stormwater runoff from pollutant generating impervious surfaces for up to the 6-month, 24-hour storm event, thus reducing pollutant loading to the Snake River.

Secondary Project Benefit:
 Eliminates existing hillside erosion caused by frequent overflow events of the existing infiltration chambers that likely contaminate the Snake River.

- Existing Catch Basin
- Existing Storm Manhole
- Existing Infil Chamber
- Existing Bubble-Up
- - Existing Ditch / Gully
- Existing Storm Pipe
- Proposed Bubble-Up
- Proposed Catch Basin
- Proposed Manhole
- Proposed Sed Manhole
- Proposed Drywell
- <all other values>
- - Proposed Storm Pipe
- - Proposed Open Channel
- ⌋ Approximate Project Area
- ▭ Parcel Boundary
- Infil Basin - Presettling Cell
- Infil Basin - WQ Cell
- ▭ Access Road
- ▭ Existing Easement
- ➡ Approximate Flow Direction



Preferred Conceptual Retrofits
 The Ridges Urban Stormwater Retrofit Design Project
 Asotin County, WA

	JUN-2020	BY: EBP	MAP NO. 3
	PROJECT NO. 190377	REVISED BY: ---	

GIS Path: L:\Projects\190377 Asotin Co The Ridges Urban Stormwater Retrofit Design Project\Figures\PreferredConceptualRetrofits.mxd | Coordinate System: NAD 1983 StatePlane Washington South FIPS 4602 Feet | Date Saved: 6/23/2020 | User: gpruneda | Print Date: 6/3/2020