

Downey Farmstead Side Channel Creation Project

A City of Kent
Salmon Habitat and
Flood Reduction Project

Existing Conditions



Aerial Photo taken March 30, 2011

Existing Conditions - On Ground



Upstream end of project site near SR 516 bridge
looking at left bank of Green River



Aerial view of project site looking east, SR 516 in
center of photo, Frager Road and Green River to left

Existing Conditions - On Ground



Looking west at the existing Frager Road from the middle of the project site



Looking west from the SR 516 overpass at the project site (upstream end), DOT right-of-way and raised highway berm on far left

Existing Conditions - On Ground



Looking at the middle of the project site towards the northeast from the edge of SR 516



Looking east from the old Downey Bridge foundation just after invasive blackberry was cleared from the river bank – Frager Road on right

Existing Conditions – On Ground



Mouth of Mullen Slough, downstream end of the project site



Looking upstream from the Mullen Slough bridge towards the project site

After Side Channel Creation (Photoshop Rendering)



Proposed Landscaping Along Future Side Channels



Before Project



Flooding pictures from 2/23/12 – River Level at ~10,000 CFS at Auburn Gage. The Downey Project will reduce peak flood flows by approximately 6” at the SR 516 bridge.

After Project

(Artists Rendition)



BIRD'S EYE VIEW

DOWNEY FARMSTEAD SIDE CHANNEL

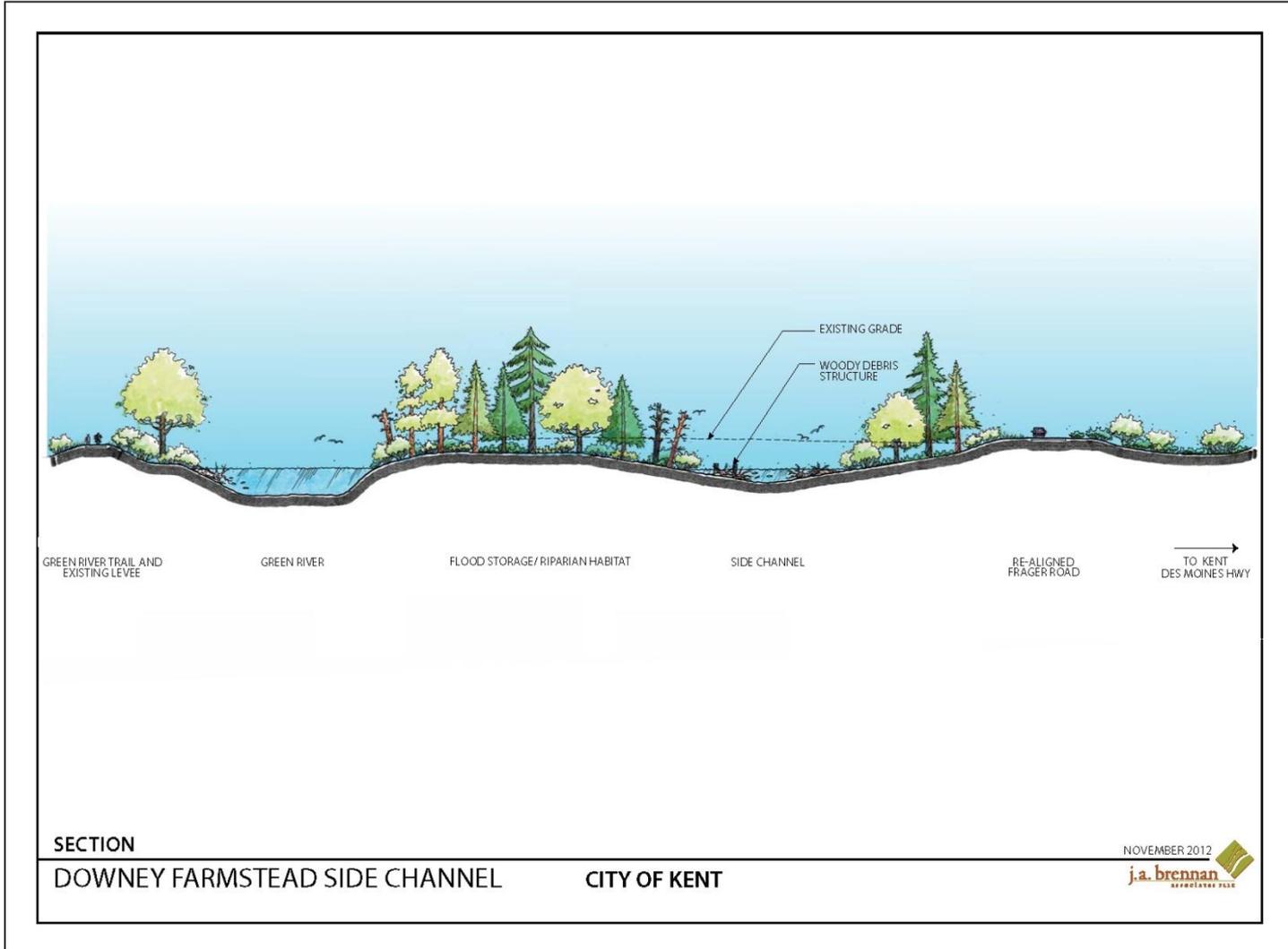
CITY OF KENT

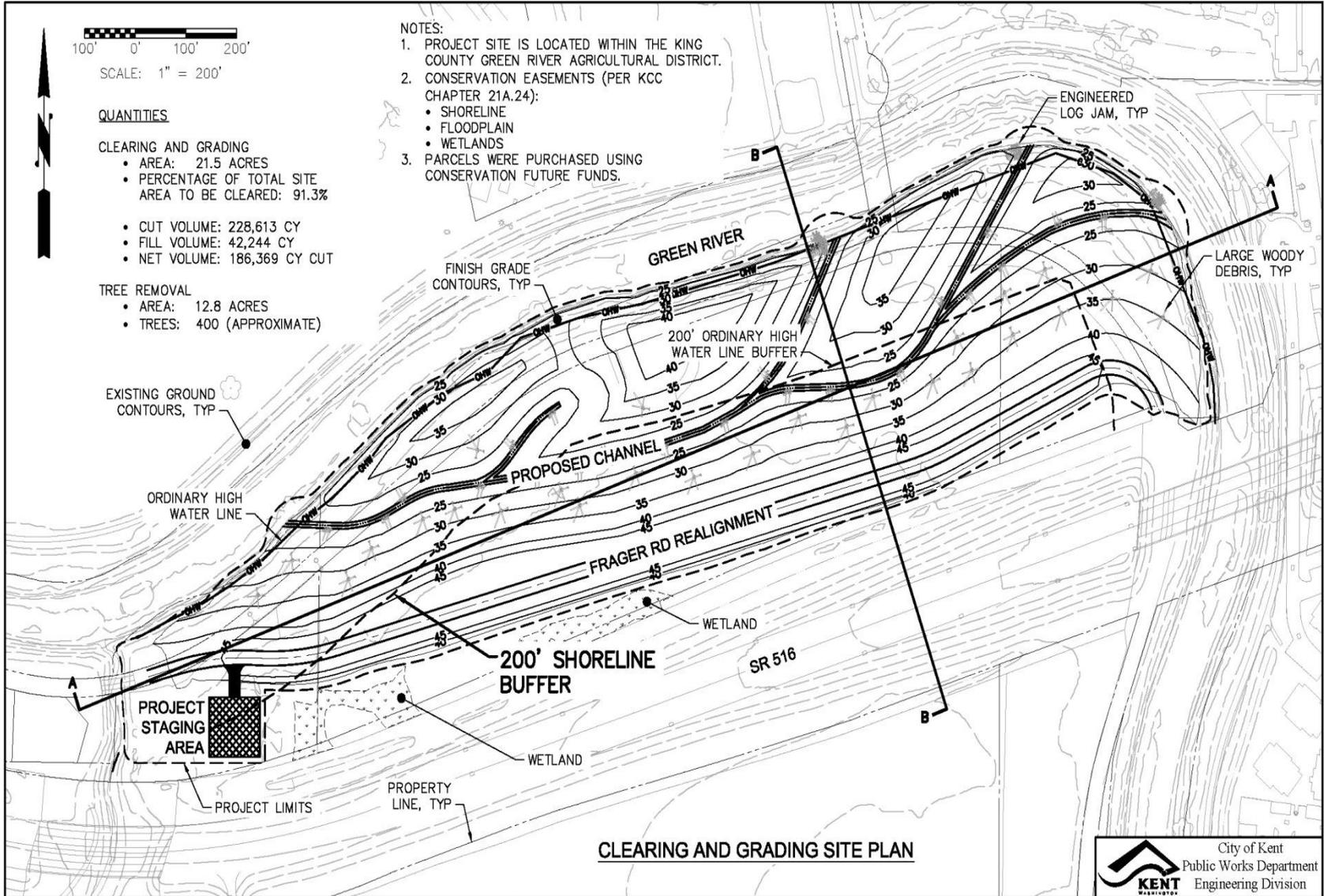
NOVEMBER 2012



After Project Profile

(Artists Rendition)





SCALE: 1" = 200'

QUANTITIES

- CLEARING AND GRADING**
- AREA: 21.5 ACRES
 - PERCENTAGE OF TOTAL SITE AREA TO BE CLEARED: 91.3%
 - CUT VOLUME: 228,613 CY
 - FILL VOLUME: 42,244 CY
 - NET VOLUME: 186,369 CY CUT
- TREE REMOVAL**
- AREA: 12.8 ACRES
 - TREES: 400 (APPROXIMATE)

- NOTES:**
1. PROJECT SITE IS LOCATED WITHIN THE KING COUNTY GREEN RIVER AGRICULTURAL DISTRICT.
 2. CONSERVATION EASEMENTS (PER KCC CHAPTER 21A.24):
 - SHORELINE
 - FLOODPLAIN
 - WETLANDS
 3. PARCELS WERE PURCHASED USING CONSERVATION FUTURE FUNDS.

CLEARING AND GRADING SITE PLAN

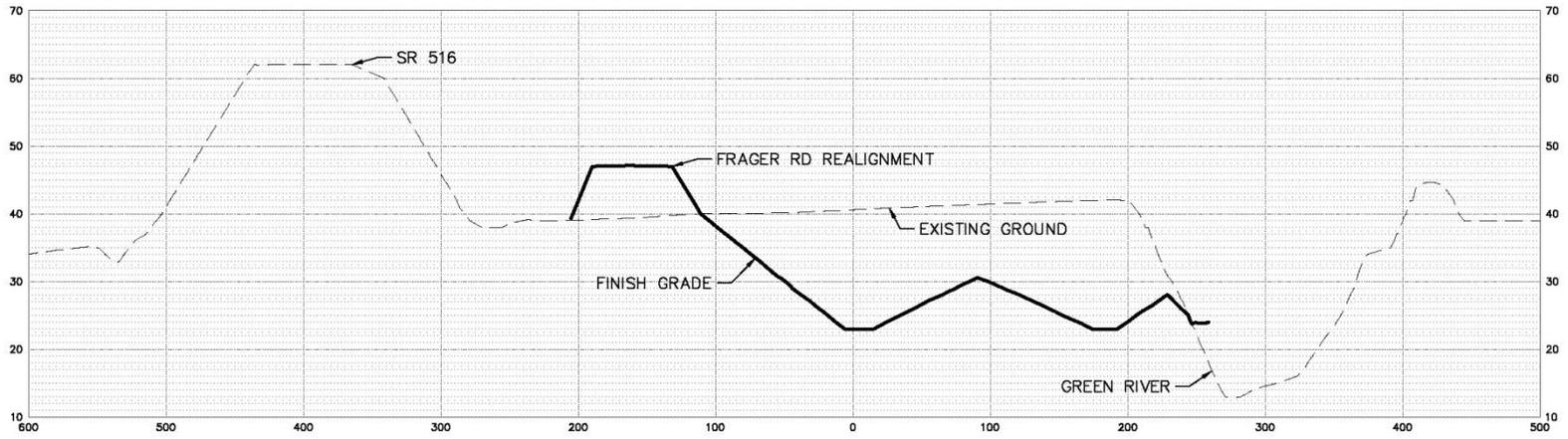
City of Kent
Public Works Department
Engineering Division



HORIZONTAL SCALE:
1" = 100'



VERTICAL SCALE:
1" = 20'



SECTION B-B