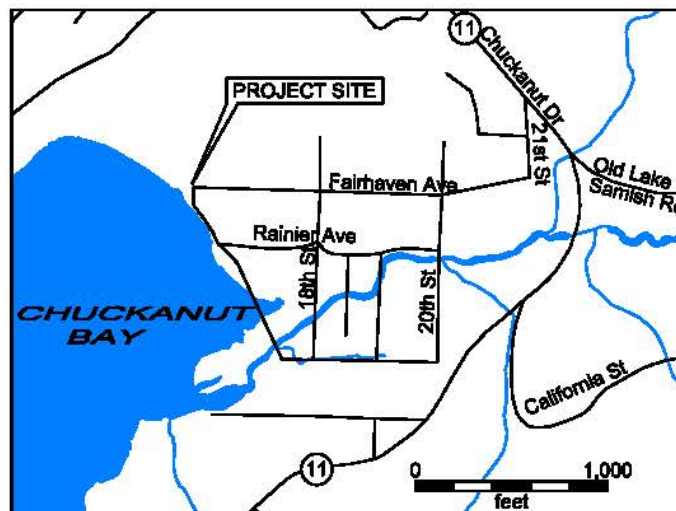
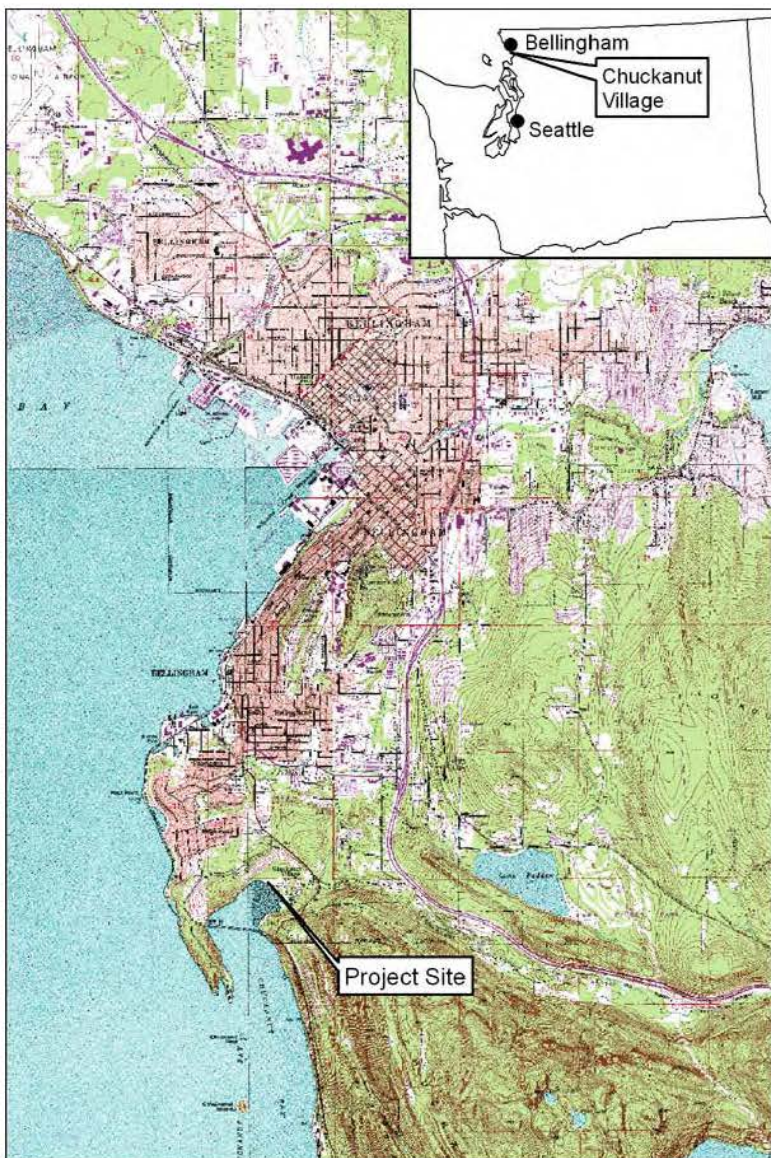
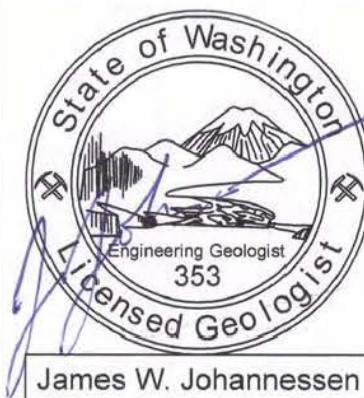


Chuckanut Village Marsh

COB Project #

Drawing Index

Sheet	Sheet Title
1	Cover Sheet
2	Site Plan - Existing Conditions
3	Proposed Conditions - Beach and Inlet
4	Path - Plan + Profile
5	Inlet - Plan + Profile
6	Parking Area - Plan + Profile
7	Details
8	Guardrail detail - COB Parks design manual drawing 2840.03
9	Silt fence detail - COB Public Works Design Guidelines drawing EC-615



Driving Directions

From interstate 5 northbound take exit 250. At the bottom of the ramp turn left onto State Route 11. Follow route 11 for 2.5 miles, then turn right onto 21st St. At sharp right, 21st becomes Fairhaven Ave. Proceed to the end of the road to the project site.



701 Wilson Ave, Bellingham, WA 98225
(P) 360-647-1845, (F) 360-671-6654
www.coastalgeo.com

PURPOSE: Culvert removal and beach restoration
DATUM: MLLW (MHHW = +8.4' MLLW)
ADJACENT PROPERTY OWNERS:
Burton Baxter Heinrich Family Trust
Patrick & Mary Frost Stephen & Mamie Hofeditz
Kevin Engels John Goodman

CHUCKANUT VILLAGE MARSH

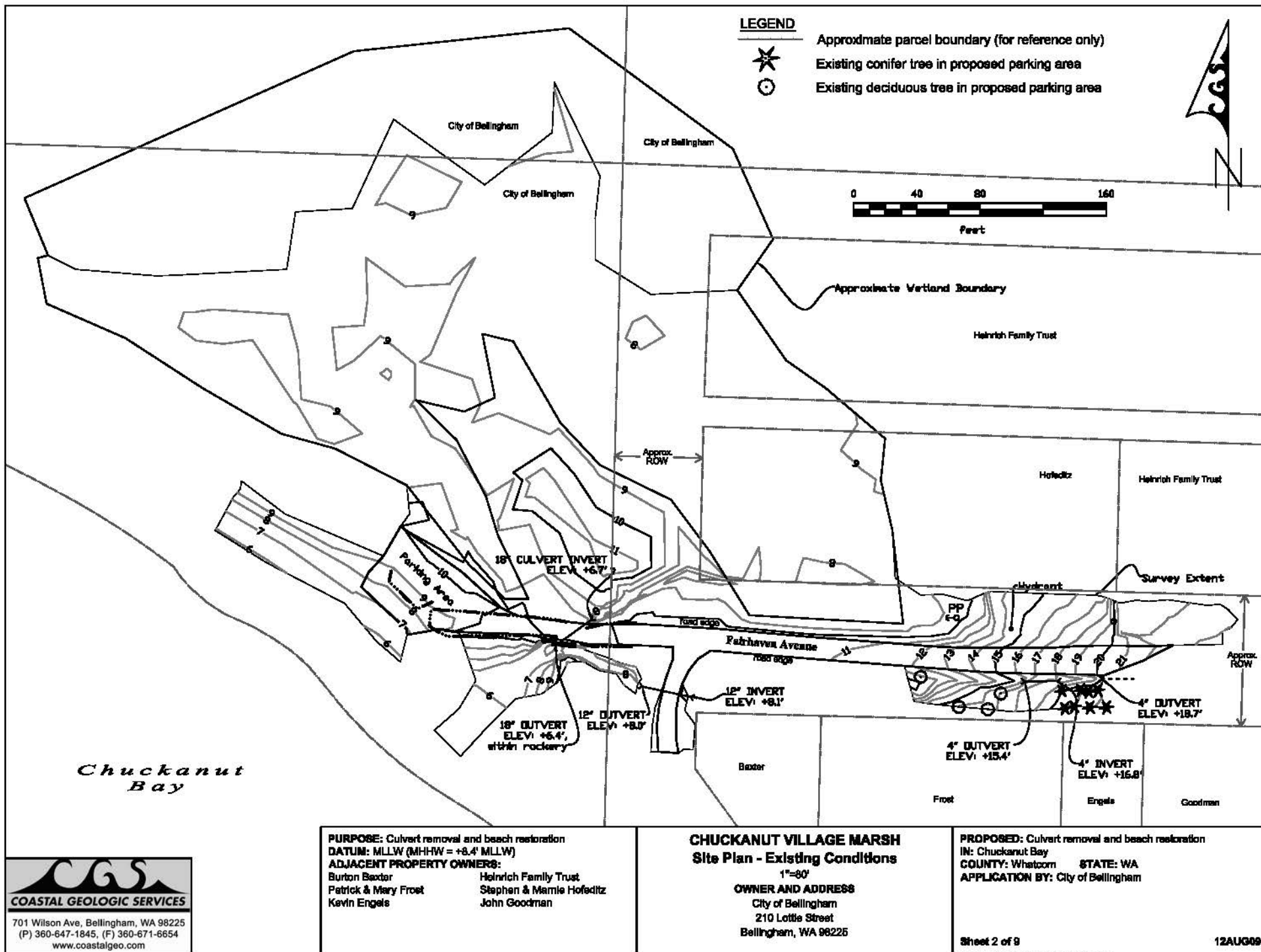
Vicinity Map
OWNER AND ADDRESS
City of Bellingham
210 Lottie Street
Bellingham, WA 98225

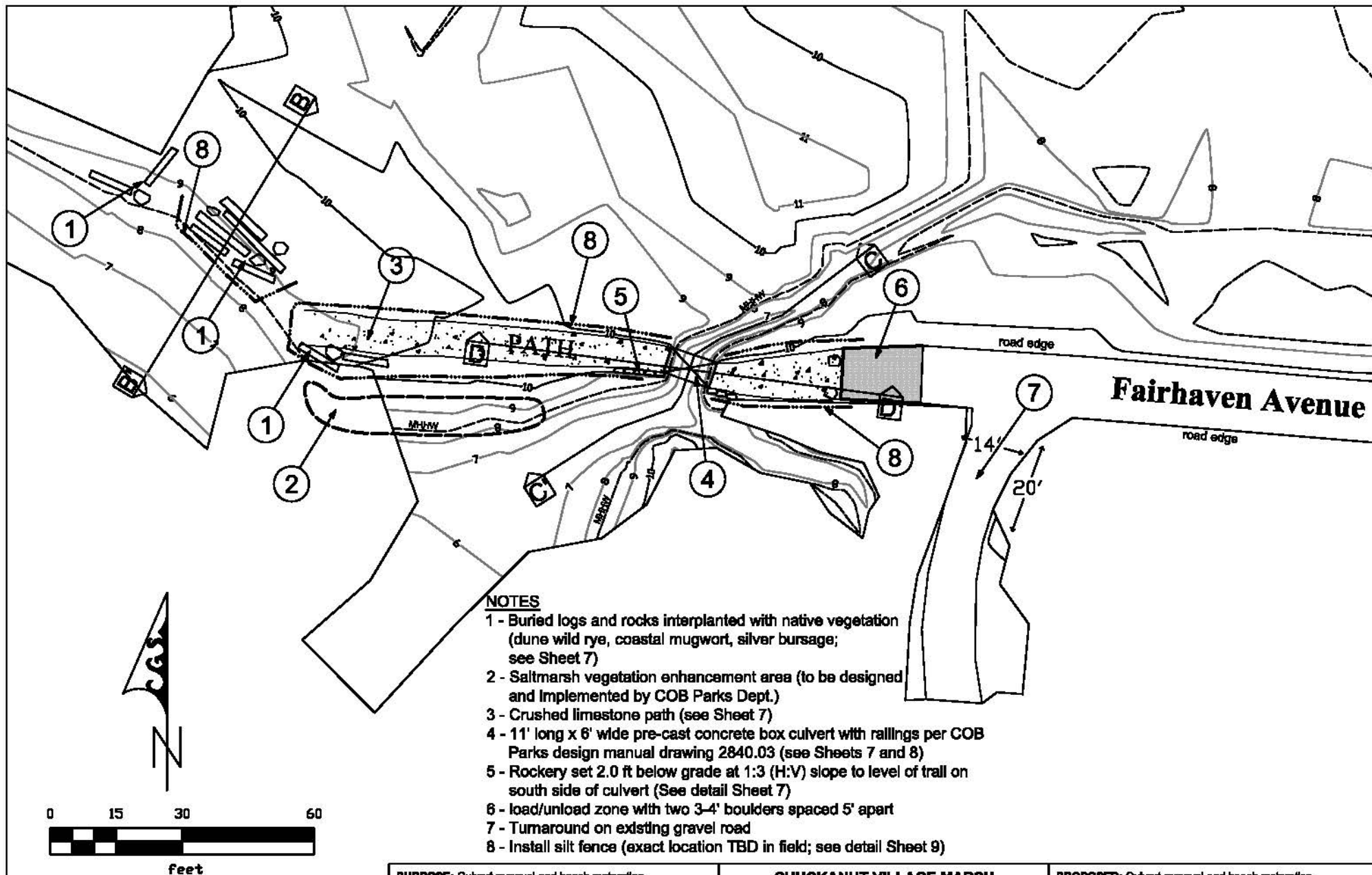
PROPOSED: Culvert removal and beach restoration
IN: Chuckanut Bay
COUNTY: Whatcom **STATE:** WA
APPLICATION BY: City of Bellingham

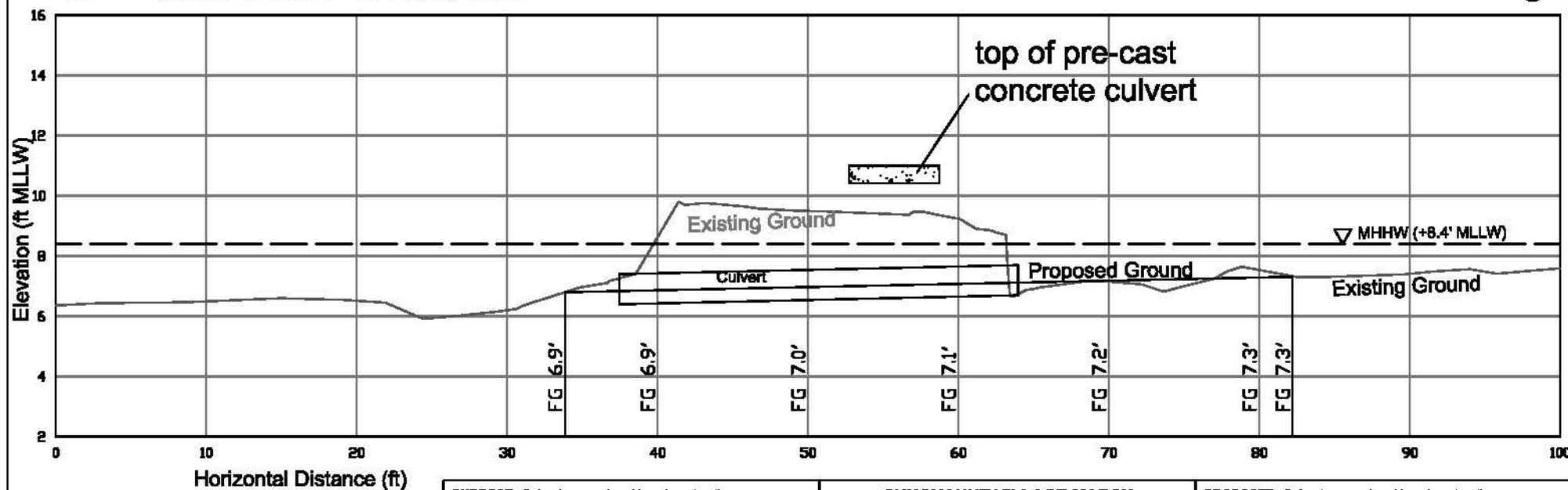
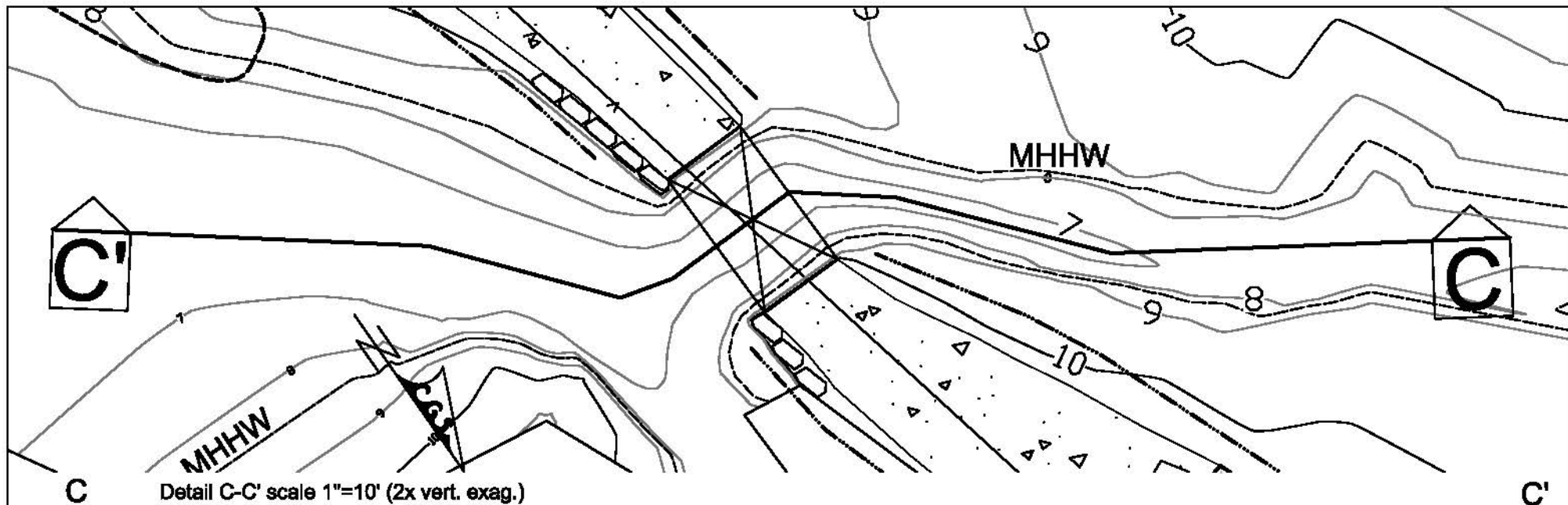
Sheet 1 of 9

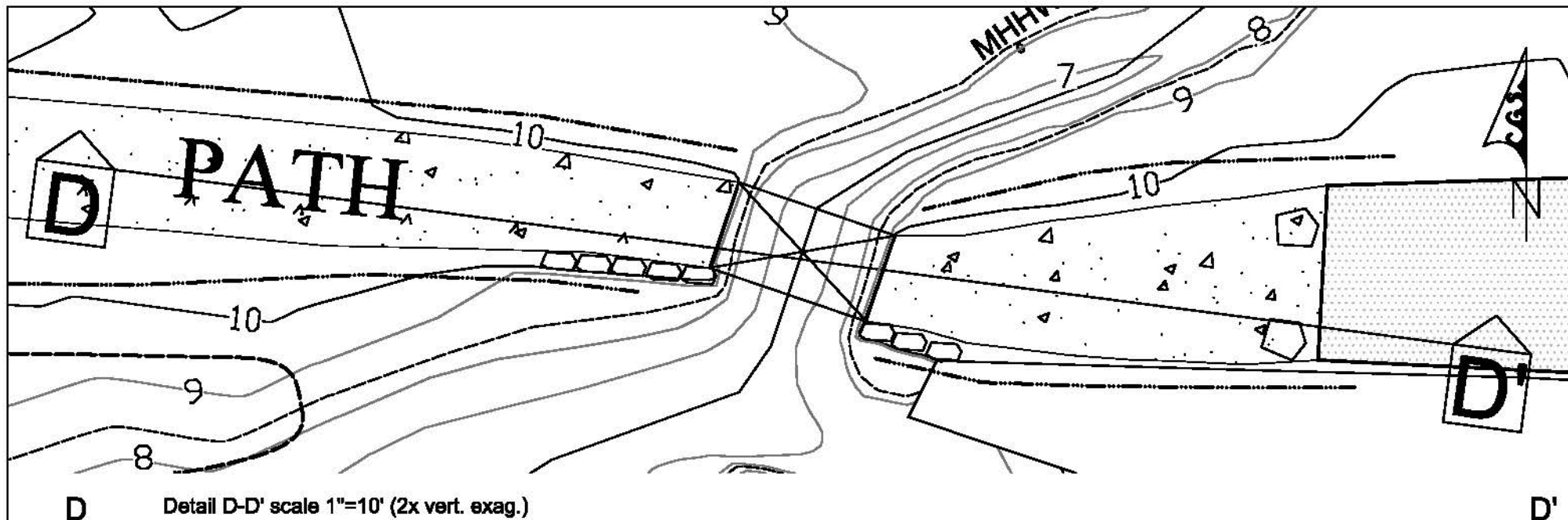
12AUG08

-FairhavenMarsh08-014_Corps_Damaging.dwg



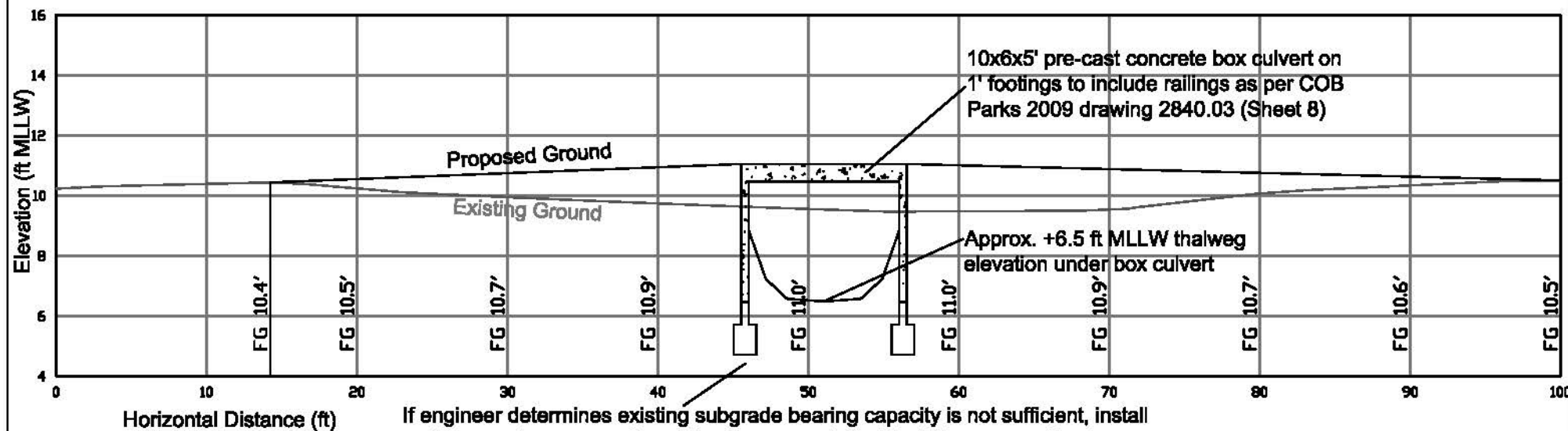






D Detail D-D' scale 1"=10' (2x vert. exag.)

D'

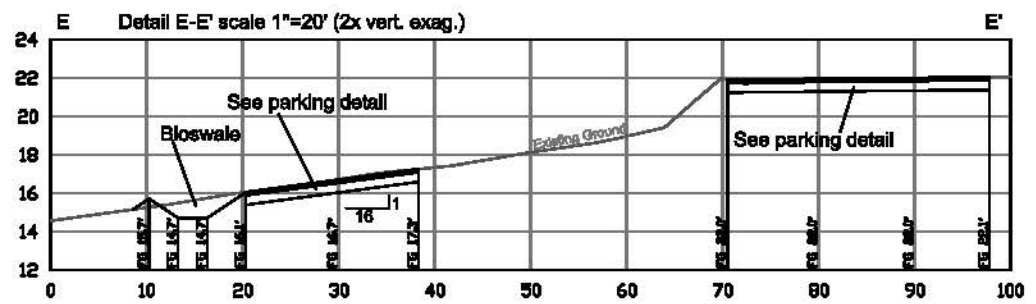
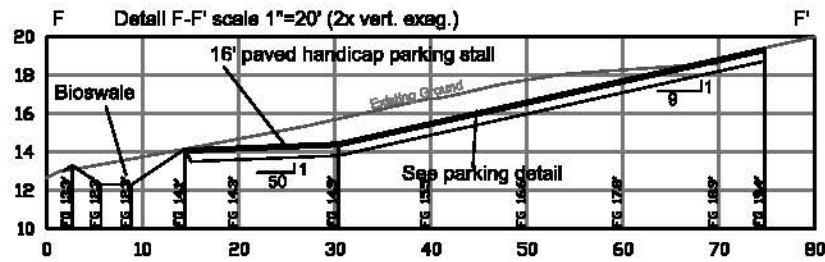
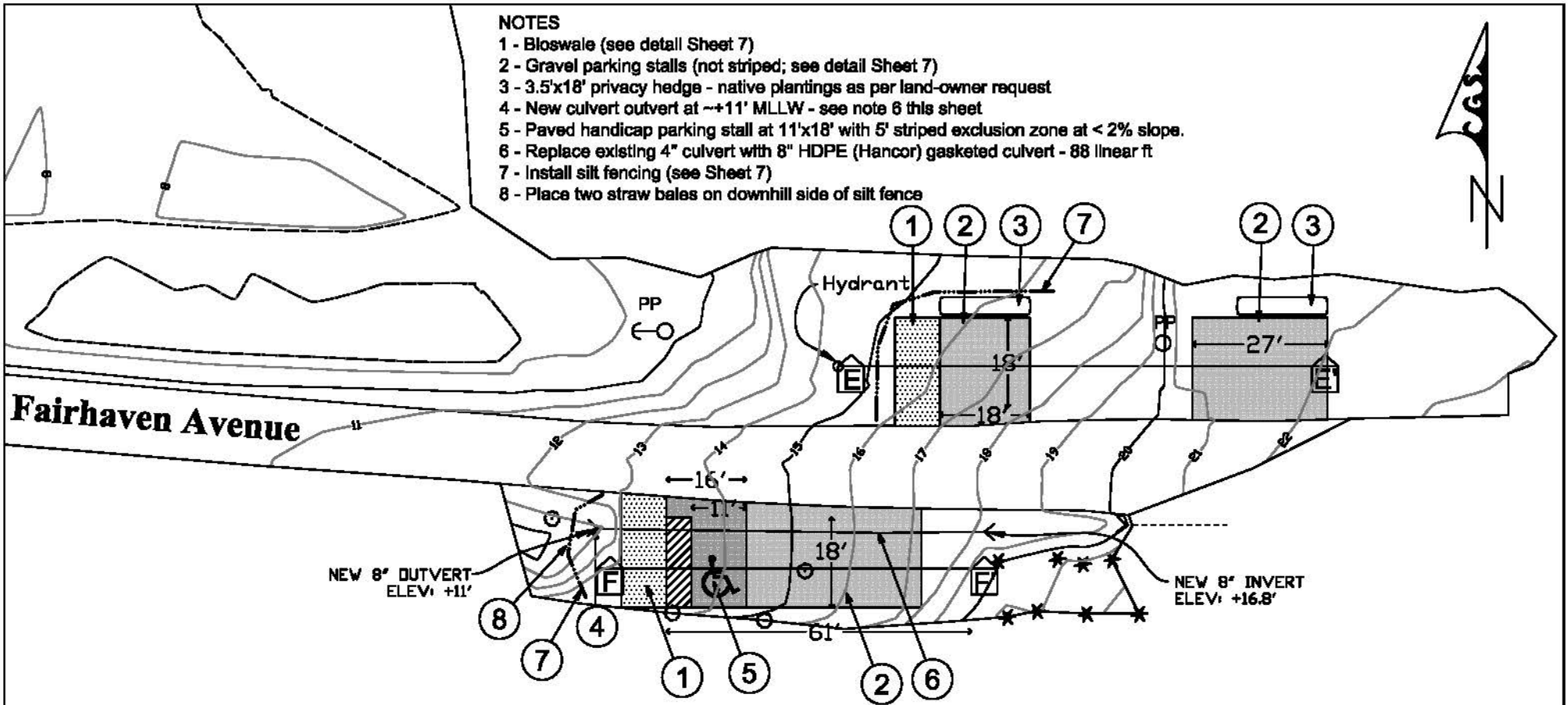


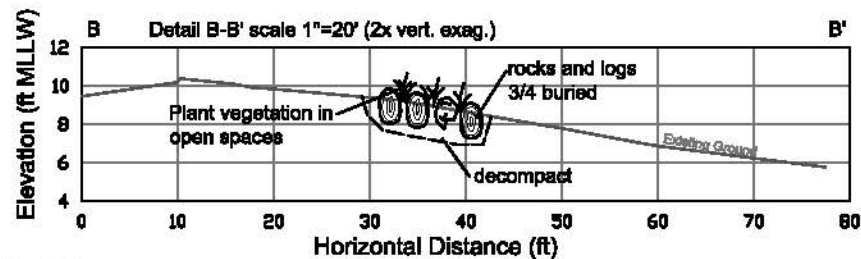
If engineer determines existing subgrade bearing capacity is not sufficient, install and compact quarry spalls and/or overexcavate and install quarry spalls

PURPOSE: Culvert removal and beach restoration
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CHUCKANUT VILLAGE MARSH
Path and inlet
 1"=20'
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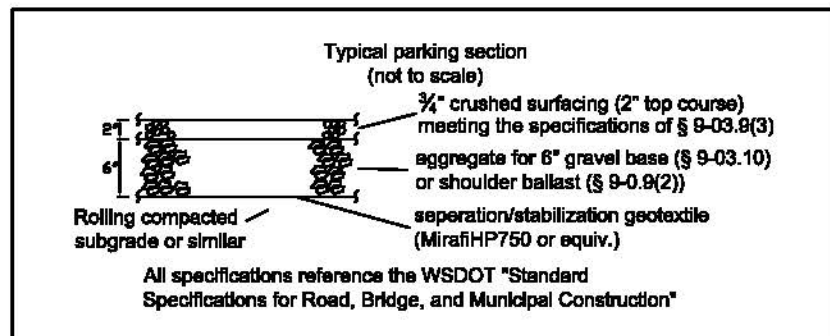
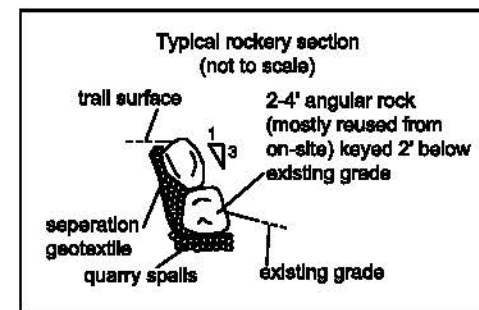
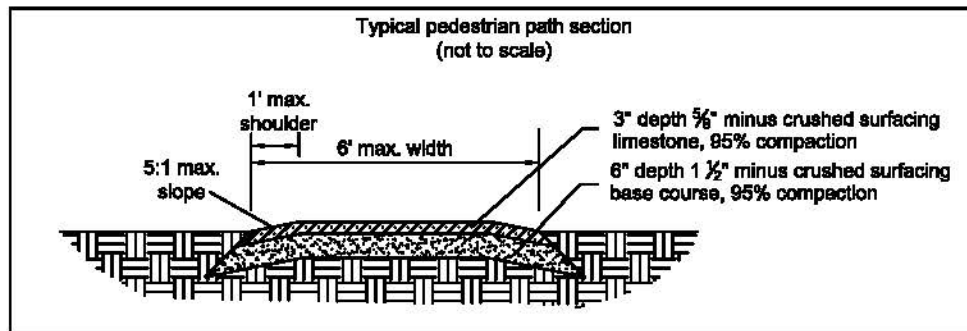
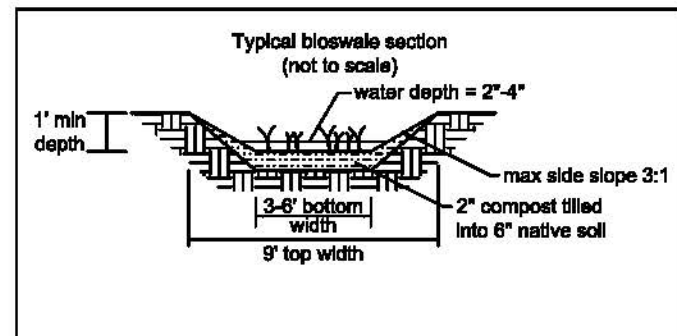


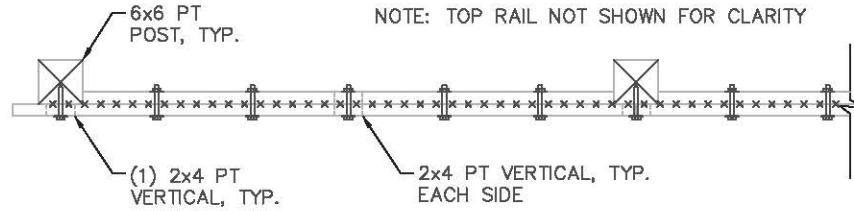
Plant List

Dune wildrye (*Elymus mollis*)

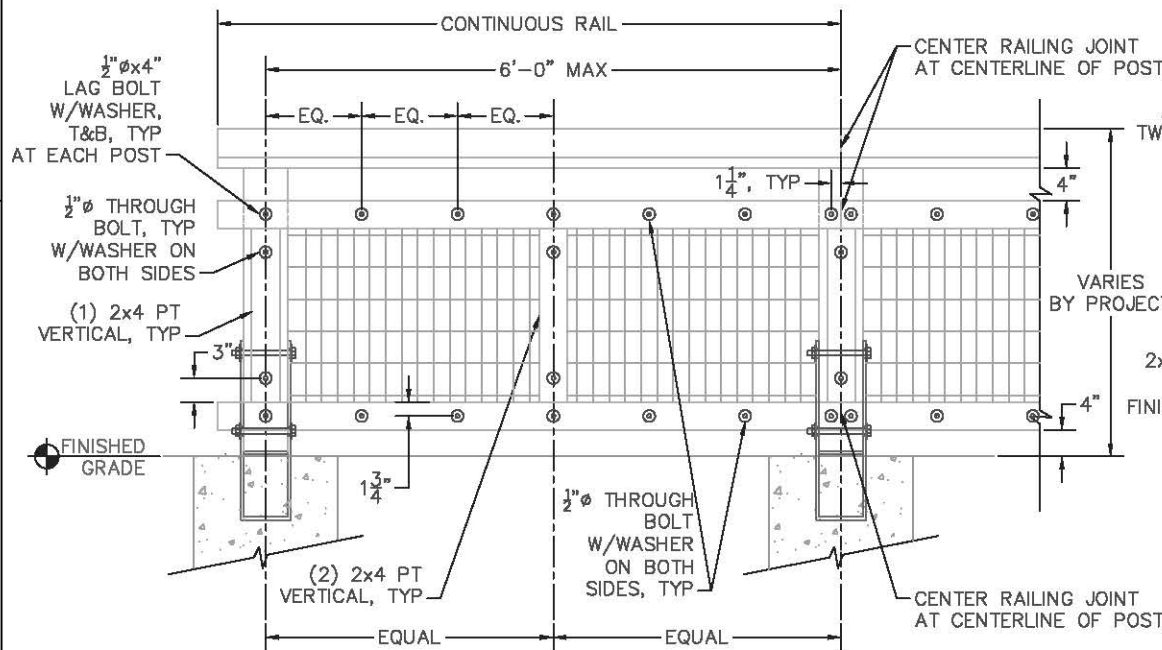
Coastal mugwort (*Artemisia suksdorfii*)

Silver bursage (*Ambrosia chamissonis*)

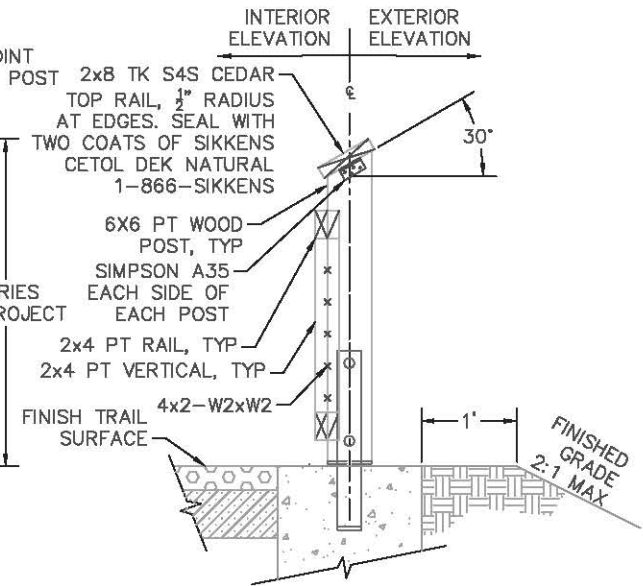




GUARDRAIL PLAN VIEW



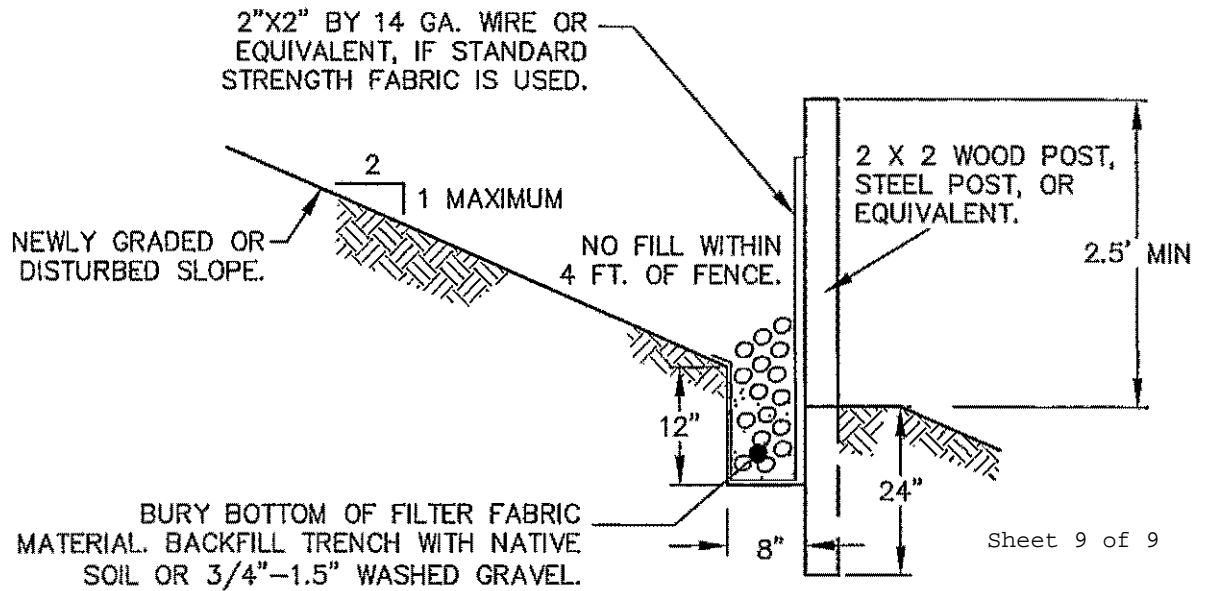
GUARDRAIL INTERIOR ELEVATION



GUARDRAIL SIDE VIEW

NOTES:

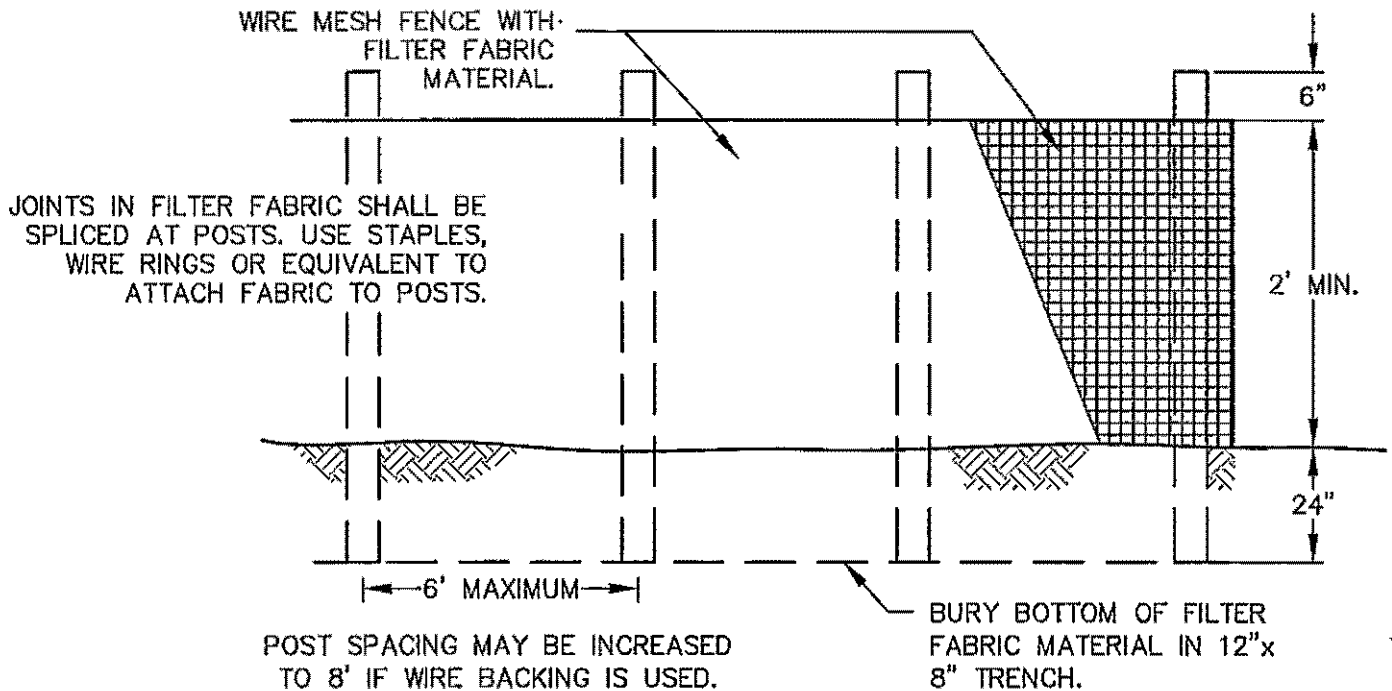
- DESIGN SHOWN REPRESENTS MINIMUM DESIGN REQUIREMENTS. ACTUAL DESIGN FOR SITE SPECIFIC CONDITIONS WILL NEED TO BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF WASHINGTON.
- ALL STEEL AND WWF SHALL BE A36 STRUCTURAL UNLESS NOTED OTHERWISE.
- FOOTING DESIGN MAY VARY PER SITE CONDITIONS.
- REFERENCE DETAIL 2840.06 FOR FOUNDATION AND POST BASE DETAILS.
- ALL HARDWARE, PLATES, AND FASTENERS SHALL BE HOT DIP GALVANIZED.
- WHERE TRAIL SLOPES, POSTS AND VERTICAL RAILS SHALL REMAIN PLUMB. HORIZONTAL RAILS SHALL BE SLOPED TO MATCH GRADE OF TRAIL.
- BROWN PRESSURE TREATMENT SHALL BE USED ON ALL PRESSURE TREATED WOOD.
- CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL SHOW ALL TRANSITIONS, JOINTS, AND PANEL SECTIONS AT BOTH HORIZONTAL AND VERTICAL CURVES.
- ALL LUMBER SHALL BE DF-2. REFERENCE WSDOT SPECS FOR GRADE STAMP AND SUBMITTAL REQUIREMENTS.



Sheet 9 of 9

TYPICAL CROSS SECTION

NTS



ELEVATION

NTS

NOTES:

1. FENCE SHALL NOT BE INSTALLED ON SLOPES STEEPER THAN 2:1.
2. JOINTS IN FILTER FABRIC SHALL BE OVERLAPPED 6 INCHES AT POST.
3. USE STAPLES, WIRE RINGS, OR EQUIVALENT, TO ATTACH FABRIC TO WIRE FENCE.
4. REMOVE SEDIMENT WHEN IT REACHES 1/3 FENCE HEIGHT.

APPROVED

Perp. Smith
City Engineer

11/29/04

Date

CITY OF BELLINGHAM
REINFORCED SILT FENCE

DRAWING
EC-615