

Appendix C: Public Notice
CENWS-PL-04-05



US Army Corps
of Engineers.
Seattle District

Public Notice

Planning Branch
P.O. Box 3755
Seattle, WA 98124-3755
ATTN: Noel Gilbrough (PM-PL)

Public Notice Date: February 17, 2004
Expiration Date: March 18, 2004
Reference: CENWS-PL-04-05
Name: Meridian Valley Creek Realignment

30-DAY PUBLIC NOTICE

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Seattle District (Corps) in partnership with the city of Kent, Washington propose to remove Meridian Valley Creek from an existing concrete flume, moving the stream away from 256th St. SE and into a more natural stream channel. The relocated stream will flow into a constructed streambed that will meander through a large wetland that borders Big Soos Creek. The site is located in Kent, Washington. This work is subject to Section 404 of the Clean Water Act, and is covered by the Nationwide Permit 27 process. Pursuant to 36 CFR Part 800.3(b) this public notice also identifies the area of potential effect (APE) and initiates the Section 106 National Historic Preservation Act process. The proposed project is described below and shown on the enclosed drawings. The purpose of this Public Notice is to solicit comments from interested persons, groups, agencies and Indian tribes.

LOCATION

The project site is located south of 256th St. SE and west of 148th Ave. SE in the northeast quarter of Section 27, Township 22 North, and Range 5 East of the Willamette Meridian in the city of Kent, in King County, Washington.

PROJECT BACKGROUND

Meridian Valley Creek is a three-mile long stream that drains approximately 1,449 acres. The lower reaches of the stream lie within Kent, WA, while the upper reaches fall within south King County, WA. Meridian Valley Creek originates from a wetland, and flows in a southeasterly direction through North Meridian Park and the Meridian Valley Golf and Country Club. It ultimately joins Big Soos Creek near the corner of 256th St. SE and 148th Ave SE. Sometime after 1968, the lower portion of the creek was diverted from its natural course and directed into a concrete raceway that is about 6 feet wide, with vertical sides, and a flat concrete bottom. It parallels the south side of 256th St. SE for approximately 850 feet before spilling into Big Soos Creek.

PURPOSE AND PROJECT OBJECTIVE

The project purpose is to restore natural function to this portion of Meridian Valley Creek by re-aligning the stream from the existing roadside concrete flume adjacent to 256th St. SE in Kent to a naturalized riparian corridor away from the roadway. The project will improve in, and near-stream habitat quality and complexity, improve fish passage conditions for adult resident and anadromous fish, improve rearing habitat for juvenile fish, provide spawning habitat, and maintain or improve water quality for use by all life stages of salmonid fish or other aquatic or terrestrial wildlife.

AUTHORITY

Federal involvement in ecosystem restoration is supported in law and Executive Order. The Corps Civil Works Ecosystem Restoration Policy (ER 1165-2-501), the Fish and Wildlife Coordination Act of 1958, Federal Water Project Recreation Act of 1965, National Environmental Policy Act of 1969, Water

Resource Development Act (WRDA) of 1986, and the WRDA of 1990 provide national policy directing consideration of projects that benefit ecological resources. Specifically, Section 306 of the WRDA of 1990 authorized the Secretary of the Army to include environmental protection as one of the primary missions of the Corps. The Green/Duwamish Ecosystem Restoration Study stems from the Corps' authority under Section 216 of the River and Harbors and Flood Control Act of 1970, which enables the Corps to undertake restoration related to the hydrologic regime of aquatic ecosystems. Congress specifically authorized the Green/Duwamish River Basin Feasibility Study (of which this project is a part) in Section 101(b)(26) of WRDA 2000. Section 106 National Historic Preservation Act requirements follow the Planning Guidance Notebook (ER 1105-2-100, Appendix C, C-4 Cultural Resources)

PROPOSED PROJECT/AREA OF POTENTIAL EFFECT (APE)

The project consists of removing Meridian Valley Creek from the 850-foot concrete raceway/flume in which it currently runs, and relocating it to a constructed stream channel that is farther south of 256th St. SE than the existing flume. The relocated stream will meander through a large wetland that borders Big Soos Creek, and flow into Big Soos Creek. The relocated stream will run approximately 1,150 feet from the existing box culvert beneath 256th St. SE to its confluence with Big Soos Creek. At the upper end of the project, a concrete extension (approximately 30 additional feet) will be added to the existing box culvert to allow for future road widening activities, and to direct the stream away from the toe of a steep slope and into the newly constructed streambed. The new streambed will parallel 256th St. SE for approximately 200 feet along the toe of a steep slope. The stream channel then turns to the southeast, dropping gently to a broad wetland plain. The stream continues its southeastern course through the wetland to its confluence with Big Soos Creek. This portion of the stream contains numerous off-channel habitat areas to provide refuge, rearing, and foraging opportunities for juvenile fish. These areas will also serve to store water during high flow events. The constructed streambed is designed to reach creek bankfull conditions at the 1.5 year event. The off-channel habitat areas are designed to be full of water at the 2-year storm event (approximately 130 cfs).

The upper portion of the constructed stream channel will be approximately seven feet wide across the bottom and eleven feet wide across the top. In the lower reach of the stream channel where it runs through the wetland, the channel will be ten feet wide at the bottom and have a top width of eighteen feet. Average channel depth will range from one and one half feet to three feet. To control and prevent bed and bank erosion, and to encourage stream equilibrium, log weirs or rock drop-pool gradient control structures, large woody debris (LWD), log vanes and deflectors, and bio-engineering will be used in the design. Upon completion of construction, all exposed soil will be hydroseeded and planted with native species. Some emergent species from the disturbed wetland may be salvaged and replanted.

The final element of the proposed channel relocation is the establishment of an interpretive trail. The trail will start from the right of way on 256th, and run through the upland buffer, ending in a viewing platform at the edge of the stream and near a backwater lobe. An additional spur from the trail (Option "A") was designed, but there are no plans to develop it at this time.

Approximately 13,357 square feet (0.3 acres) of wetland will be impacted from the excavation of the stream channel and associated backwater lobes. Additional wetland impacts will occur if some portion of the spoils is side-cast into the wetland to create hummocks. The intent of establishing the hummocks would not be to create upland areas within the wetland. The hummocks would remain wetland areas, but the slightly higher elevation would allow the establishment of shade tolerant, wetland adapted conifers like western red cedar (*Thuja plicata*), that would ultimately provide a source of large woody debris to Big Soos Creek.

MITIGATION

As restoration, this project is considered self-mitigating.

ENDANGERED SPECIES

The Endangered Species Act of 1973, as amended, requires assessment of potential impacts to listed and proposed species. Listed and proposed species that may occur in the project vicinity include:

Bald Eagle (*Haliaeetus leucocephalus*) – threatened;
Coastal/Puget Sound Bull Trout (*Salvelinus confluentus*) – threatened;
Puget Sound Chinook Salmon (*Oncorhynchus tshawytscha*) – threatened:

In accordance with Section 7(a)(2) of the Endangered Species Act of 1973, as amended, federally funded, constructed, permitted, or licensed projects must take into consideration impacts to federally listed and proposed threatened or endangered species. The Corps prepared two Programmatic Biological Assessments (BA) to assess potential impacts of the proposed work on species protected under the Act, one for species under the jurisdiction of the USFWS and one for species under the jurisdiction of NOAA Fisheries. Both Services concurred with the not likely to adversely affect determinations presented. Copies of the BAs are available from the Corps upon request.

CULTURAL AND HISTORIC RESOURCES

The District Engineer has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible, and other sources of information. The following is current knowledge of the presence or absence of historic properties and the effects of the undertaking upon these properties:

Professional cultural resources studies are being conducted for the proposed project. These studies have defined the Area of Potential Effect (APE) as the immediate project area where ground disturbing activities will occur. If historic properties eligible for the National Register of Historic Places are found to be present in the project area, a programmatic agreement for data recovery (if necessary) will be developed in consultation with the Muckleshoot Tribe and the OAHF that describes specific measures that will be taken to mitigate adverse effects resulting from the project.

The District Engineer invites responses to this Public Notice from Native American Nations, Federal, State, and local agencies, historical and archaeological societies, and other parties likely to have knowledge of or concerns with historic properties in the area.

PUBLIC HEARING

Any person may request, in writing and within the comment period specified in this notice, that a public hearing be held to consider this proposal. Requests for public hearings shall state, with particularity, the reason for holding a public hearing.

EVALUATION

The decision whether to perform the proposed work will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits that reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers, Seattle District is soliciting comments from the public; Native American Nations; Federal, State, and local agencies and officials; and other interested parties in order to

consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps of Engineers to determine whether to modify, condition, or not proceed with the proposed work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The evaluation of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act. This evaluation will include an alternatives analysis.

ADDITIONAL EVALUATION

The Meridian Valley Creek Realignment was previously evaluated in the Final Programmatic Environmental Impact Statement and Restoration Plan (FPEIS) for the Green/Duwamish River Basin Ecosystem Restoration Program, prepared by the Seattle District Corps and King County DNRP in November 2000.

Pursuant to the National Environmental Policy Act, a draft Environmental Assessment has been prepared to describe the design and impacts in greater detail. The draft Environment Assessment (EA) is posted and available on the Seattle District web site at: <<http://www.nws.usace.army.mil/ers/envirdocs.html>>.

COMMENT AND REVIEW PERIOD

Comments on these factors will be accepted, made part of the record, and will be considered in determining whether it would be in the best public interest to proceed with the proposed project. Comments should reach this office, Attn: Planning Branch, not later than the expiration date of this public notice to ensure consideration.

Requests for additional information should be directed to Mr. Noel Gilbrough, Project Manager, at (206) 764-3652 or Ms. Nicolle Rutherford, Environmental Coordinator, at (206) 764-6716.

Encl
Drawings (13) – Plan Set - Vicinity Map and Sheets 1-12.

CITY OF KENT

JIM WHITE - MAYOR

MEMBERS OF CITY COUNCIL

TIM CLARK CONNIE EPPERLY LEONA ORR JULIE PETERSON
 BRUCE WHITE JUDITH WOODS RICO YINGLING

DON WICKSTROM - DIRECTOR OF PUBLIC WORKS BRENDA JACOBER - CITY CLERK
 GARY GILL - CITY ENGINEER TOM BRUBAKER - CITY ATTORNEY

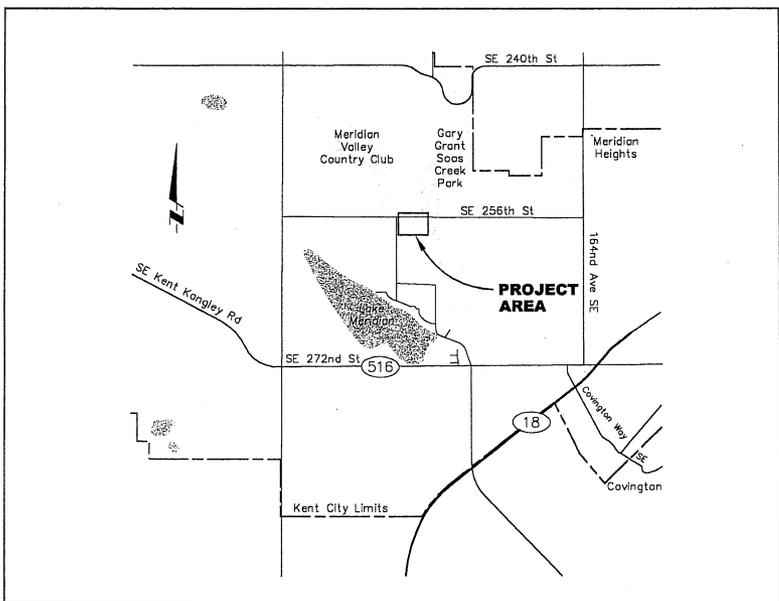


SHEET INDEX

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2. Site Plan
3. T.E.S.C. and Dewatering Plan - Lower Reach
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6. Culvert Extension Plan and Profile
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8. Stream Grading Plan - Lower Reach
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SE 256th Street Flume Removal and Meridian Valley Creek Restoration

90% SUBMITTAL
FOR REVIEW ONLY



VICINITY MAP
NOT TO SCALE

Proposed: Meridian Valley Creek Restoration

Applicant: City of Kent/U.S. Army Corps of Engineers

Corps Reference #: CENWS PL-04-05

Purpose: Restore Creek

In: Meridian Valley Creek, a tributary of Big Soos Creek

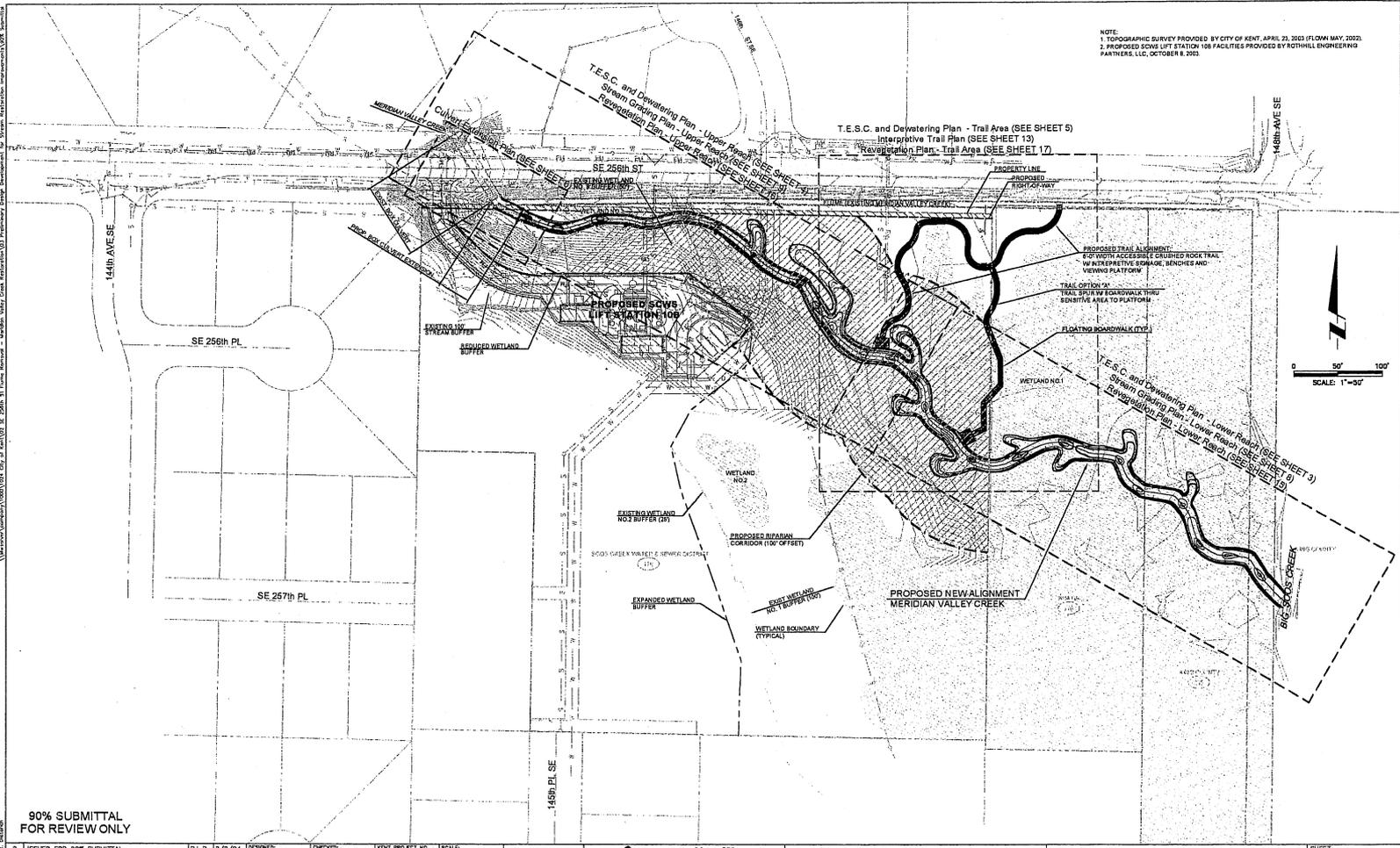
Near: Kent, WA

Datum: NGVD

Adjacent Property Owners:

1. Soos Creek Sewer & Water District
2. King County

NOTE:
 1. TOPOGRAPHIC SURVEY PROVIDED BY CITY OF KENT, APRIL 23, 2003 (FLOW MAY, 2003).
 2. PROPOSED SOWS UPT STATION 108 FACILITIES PROVIDED BY ROTHILL ENGINEERING PARTNERS, L.L.C., OCTOBER 8, 2003.

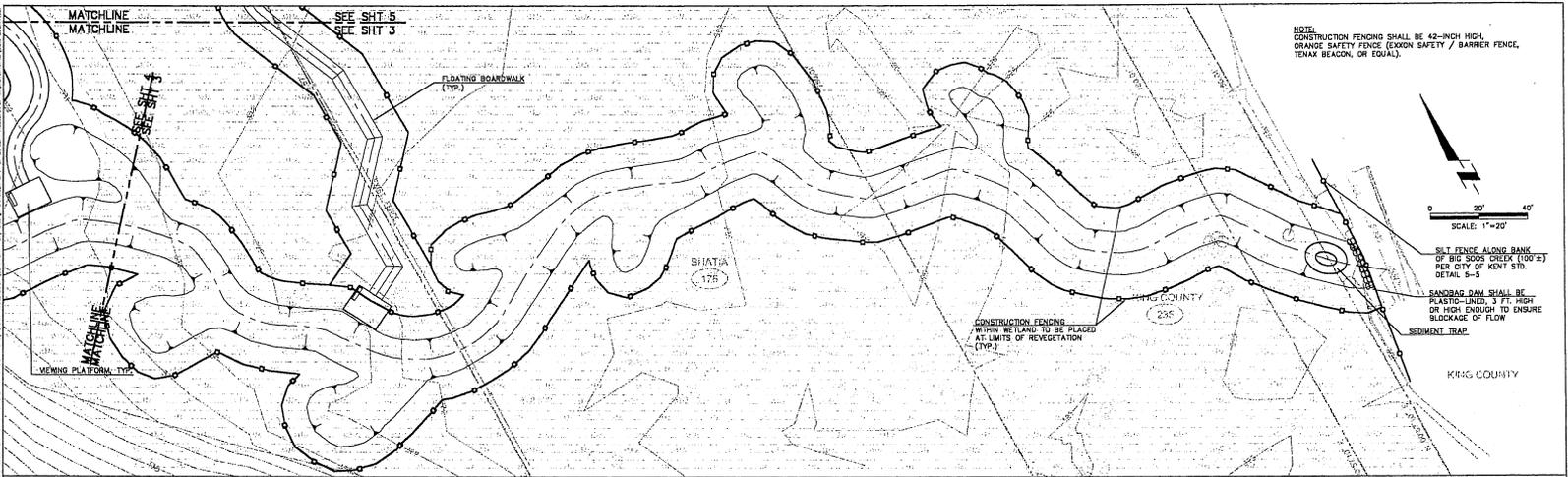


90% SUBMITTAL
 FOR REVIEW ONLY

NO.	REVISION	BY	DATE	APPROVED:	CITY ENGINEER	DATE	Nov. 8, 2003	0'	1"	BAR IS ONE INCH ON ORIGINAL DRAWING UNLESS OTHERWISE INDICATED	City of Kent Public Works Department Engineering Division	SE 256th Street Flume Removal and Meridian Valley Creek Restoration Site Plan	City of Kent King County, Washington	SHEET 2 OF 17 FILE NO.
2	ISSUED FOR 90% SUBMITTAL	R.L.B.	12/2/04	DESIGNED: R.L.B.	CHECKED: B.A.M.	KENT PROJECT NO. 3540	SCALE: HORIZONTAL AS NOTED	VERT: AS NOTED						
1	RE-ISSUED FOR 90% SUBMITTAL	R.L.B.	12/7/03	DRAWN: N.E.D.	PROJECT ENGR: B.A.M.									
0	ISSUED FOR 90% SUBMITTAL	R.L.B.	11/10/03	BY	DATE									

Proposed: Meridian Valley Creek Restoration
Applicant: City of Kent/U.S. Army Corps of Engineers
Corps Reference #: CENWWS PL-04-05
Purpose: Restore Creek
In: Meridian Valley Creek, a tributary of Big Soos Creek
Near: Kent, WA
Datum: NGVD

Adjacent Property Owners:
 1. Soos Creek Sewer & Water District
 2. King County



T.E.S.C AND DEWATERING PLAN

90% SUBMITTAL
FOR REVIEW ONLY

DESIGNED: R.L.B.	DESIGNED: R.A.M.	KENT PROJECT NO. 2540	SCALE: AS NOTED	BAS IS ONE INCH ON ORIGINAL DRAWING UNLESS NOTED OTHERWISE	 City of Kent Public Works Department Engineering Division	SE 256th Street Flume Removal and Meridian Valley Creek Restoration T.E.S.C. and Dewatering Plan—Lower Reach	City of Kent King County, Washington	SHEET 3 OF 17 FILE NO.
DRAWN: N.E.D.	PROJECT ENGINEER: R.A.M.	CONV. MGMT. REVIEW	NO. AS NOTED					
NO. 2	BY: R.L.B.	DATE: 2/22/04	APPROVED:	DATE: Nov. 8, 2003				
REVISION	BY	DATE	APPROVED:	CITY ENGINEER				

Proposed: Meridian Valley Creek Restoration

Applicant: City of Kent/U.S. Army Corps of Engineers

Corps Reference #: CENWWS PL-04-05

Purpose: Restore Creek

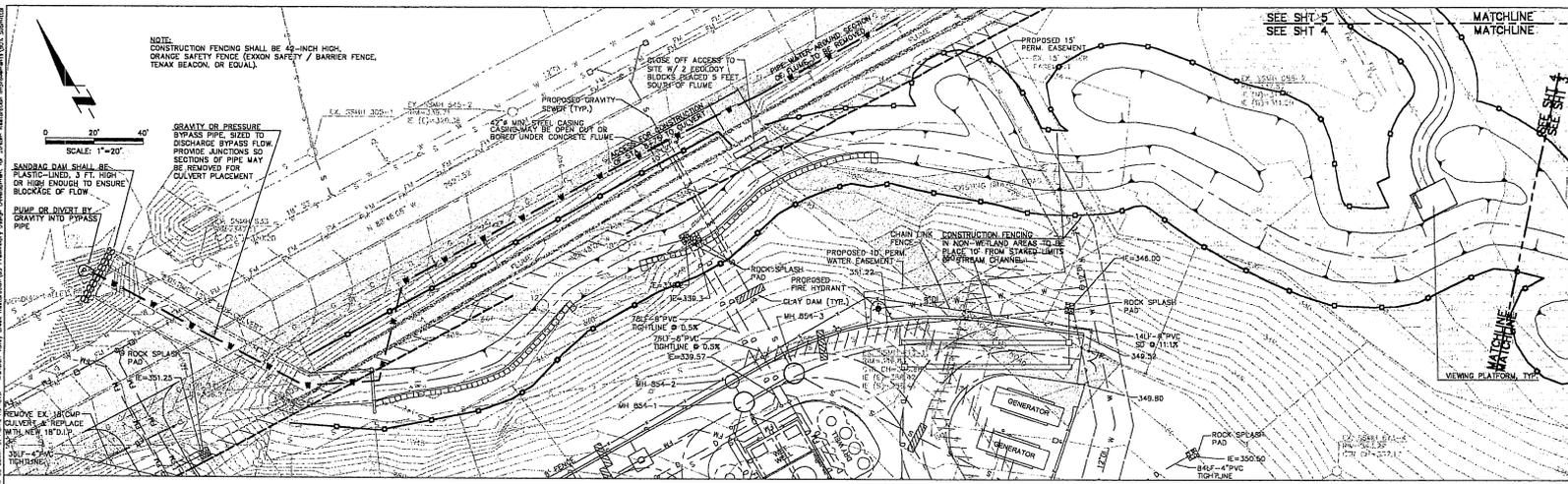
In: Meridian Valley Creek, a tributary of Big Soos Creek

Near: Kent, WA

Datum: NGVD

Adjacent Property Owners:

1. Soos Creek Sewer & Water District
2. King County



T.E.S.C AND DEWATERING PLAN

90% SUBMITTAL FOR REVIEW ONLY

NO. 2	ISSUED FOR 80% SUBMITTAL	R.L.B.	2/2/04	DESIGNED: R.L.B.	CHECKED: R.A.M.	KENT PROJECT NO. 2540	SCALE: HORIZ. AS NOTED	BARS TO THE RIGHT ON ORIGINAL DRAWING ADJUST SCALES ACCORDINGLY	 City of Kent Public Works Department Engineering Division	SE 256th Street Flume Removal and Meridian Valley Creek Restoration T.E.S.C. and Dewatering Plan—Upper Reach	City of Kent King County, Washington	SHEET	4 of 17
NO. 1	REVISION	BY	DATE	DRAWN: N.E.D.	PROJECT: DOOR R.A.M.	CONST. WORK REVIEW	VERT. AS NOTED					DATE: Nov. 8, 2003	FILE NO.

Proposed: Meridian Valley Creek Restoration

Applicant: City of Kent/U.S. Army Corps of Engineers

Corps Reference #: CENWS PL-04-05

Purpose: Restore Creek

In: Meridian Valley Creek, a tributary of Big Soos Creek

Near: Kent, WA

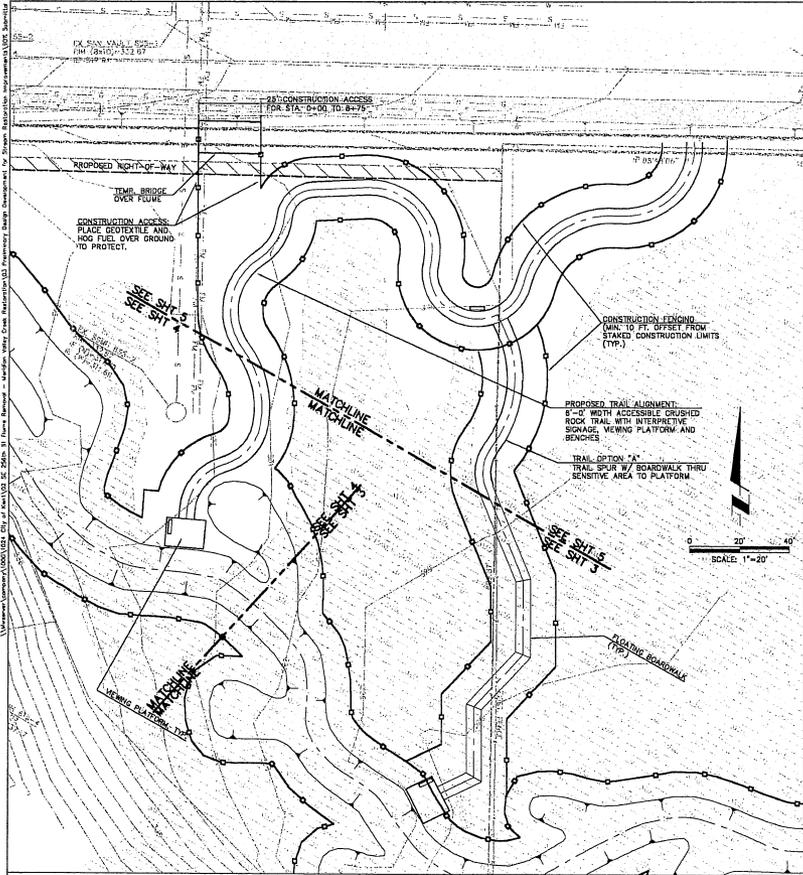
Datum: NGVD

Adjacent Property Owners:

1. Soos Creek Sewer & Water District
2. King County

Proposed: Meridian Valley Creek Restoration
Applicant: City of Kent/U.S. Army Corps of Engineers
Corps Reference #: CENWWS PL-04-05
Purpose: Restore Creek
In: Meridian Valley Creek, a tributary of Big Soos Creek
Near: Kent, WA
Datum: NGVD

Adjacent Property Owners:
 1. Soos Creek Sewer & Water District
 2. King County



T.E.S.C AND DEWATERING PLAN

90% SUBMITTAL
FOR REVIEW ONLY

DESIGNED: R.L.B.	CHECKED: R.A.M.	KENT PROJECT NO. 2564	SCALE: AS NOTED	BAR IS ONE INCH ON ORIGINAL DRAWING UNLESS SPECIFIED OTHERWISE
DRAWN: N.E.D.	PROJECT ENGR: R.A.M.	CONST. MGMT. REVIEW	NOTE: AS NOTED	
ISSUED FOR 90% SUBMITTAL	R.L.B. 2/3/04	APPROVED:	DATE: Nov. 8, 2003	
NO. 1	REVISION	BY	DATE	



City of Kent
Public Works Department
Engineering Division

SE 256th Street Flume Removal
and Meridian Valley Creek Restoration
T.E.S.C. and Dewatering Plan - Trail Area

City of Kent
King County, Washington

SHEET	5 of 17
FILE NO.	

T.E.S.C AND DEWATERING NOTES

- APPROVAL OF THIS TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN (TESCP) DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN.
- THE TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLAN DRAWINGS ARE CONCEPTUAL AND CONTRACTOR IS REQUIRED TO SUBMIT A DETAILED TESC PLAN IN ACCORDANCE WITH SECTION 1-07.15.
- THE IMPLEMENTATION OF THESE TESC AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPDATING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION.
- THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER TO INSURE THAT SEDIMENT LOADED WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
- THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND AS THE CITY REQUIRES.
- THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING AND OPERATION.
- ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY EMBANKMENTS, WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF TWO (2) DAYS, SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED TESC METHODS. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH OCTOBER INCLUSIVE.
- ANY AREA NEEDING TESC MEASURE, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
- THE TESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT AND AS THE CITY DEEMS NECESSARY.
- AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LOADED WATER INTO THE DOWNSTEAM SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCES AND WASH PADS PER CITY STANDARDS, SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- DURING THE TIME PERIOD OF NOVEMBER 1ST THROUGH MARCH 31ST, ALL PROJECT AREAS THAT ARE EXPOSED FOR MORE THAN TWO (2) DAYS SHALL BE COVERED BY ONE OF THE FOLLOWING COVER MEASURES: MULCH, SOODING, OR PLASTIC OVERLAY.
- ANY PERMANENT RETENTION DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY AND SHALL BE CLEANED OUT ENTIRELY WITH PROPER DISCHARGE OF WASTEWATER. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN.
- WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, THE APPROPRIATE MIXTURE SHOWN ON LANDSCAPING PLAN WILL BE USED FOR THE TYPE OF AREA DISTURBED.
- WHERE STRAW MULCH FOR TEMPORARY EROSION IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF THREE (3) INCHES OR 3,000 LBS/ACRE.
- AS CONSTRUCTION PROGRESSES AND UNEXPECTED SEASONAL CONDITIONS DICTATE, AND AS THE CITY REQUIRES, THE PERMITTEE SHOULD ANTICIPATE THAT MORE TESC MEASURES WILL BE NECESSARY TO PROTECT ADJACENT PROPERTIES AND ENSURE DISPERSED TESC CONDITIONS AND PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE MINIMUM REQUIREMENTS OUTLINED ON THE APPROVED PLANS.
- FILTER FABRIC FENCE SHALL BE USED WHERE NOTED ON THE PLANS OR AS DIRECTED BY THE CITY.

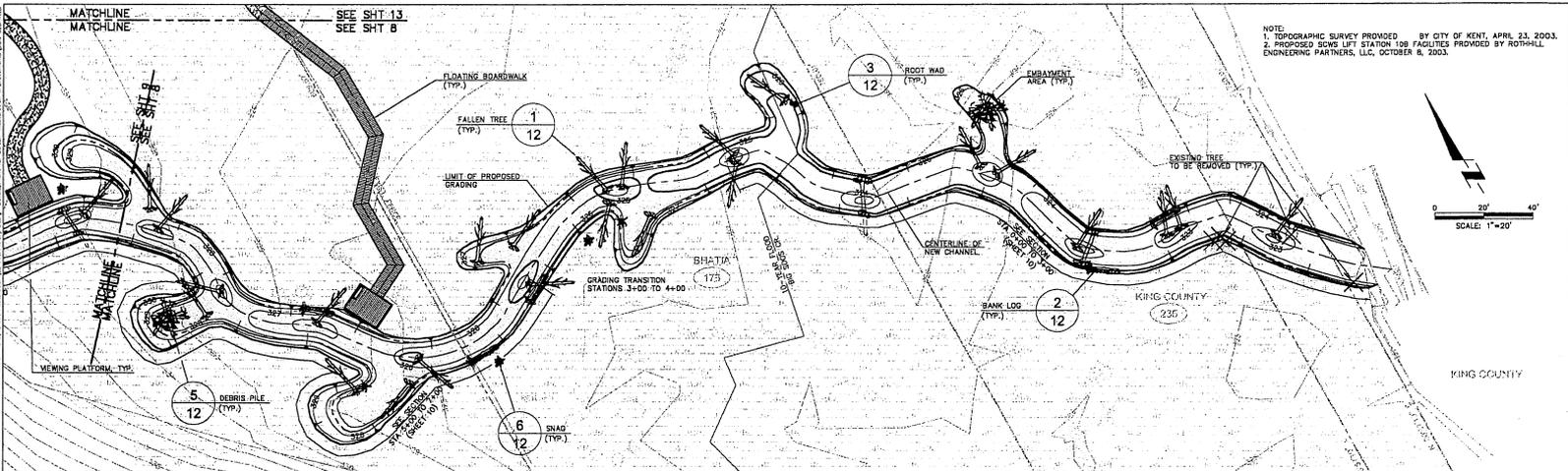
DISCHARGE CORRECTING MONTH TO EXCEEDANCE PROBABILITY (CFS)

MONTH	10%	50%	20%	80%
MAY	1.0	2.7	4.5	8.0
JUNE	1.1	2.7	3.3	4.8
JULY	1.2	1.1	1.5	2.3
AUG	0.8	1.1	1.5	2.8
SEP	0.7	1.1	1.5	3.0
OCT	0.7	1.5	2.9	8.0

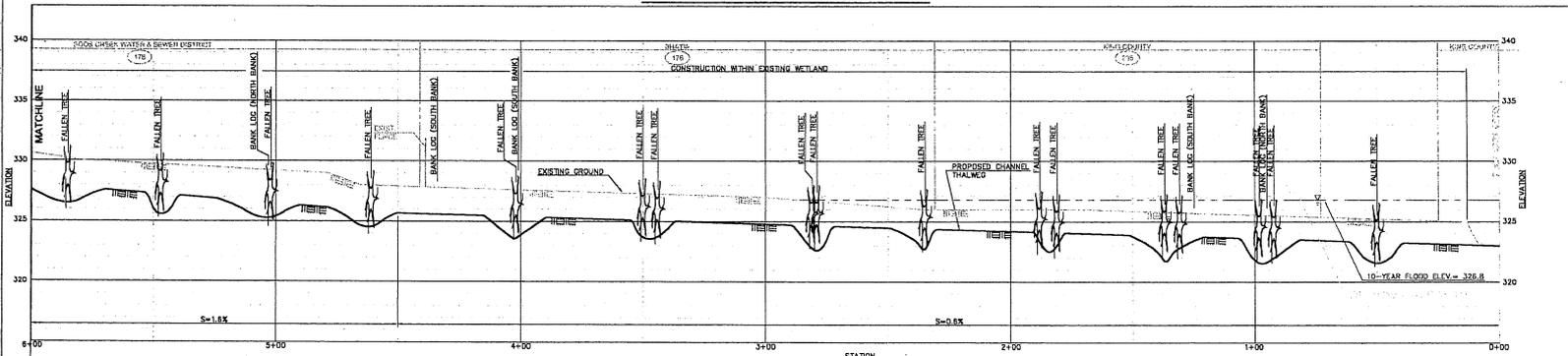
CONSTRUCTION SEQUENCING

- SITE PREPARATION
- INSTALL ALL TEMPORARY EROSION CONTROL MEASURES, GENERAL AND SITE SPECIFIC AS NOTED ELSEWHERE.
 - INSTALL A TEMPORARY ACCESS BRIDGE OVER THE FLUME AT THE LOCATION INDICATED ON THE PLANS AND CONSTRUCT ACCESS TO PROJECT.
 - LOCATE BY SURVEY THE LOCATION OF THE NEW STREAM CHANNEL. MARK CUT/FILL DEPTHS ON GRADE STAKES AT THESE LOCATIONS.
 - CLEAN AND DRUB AREAS SHOWN ON THE PLANS TO BE GRADED AND/OR REPLANTED.
 - PLACE COIR FABRIC AND HOG FUEL ALONG CHANNEL ALIGNMENT FOR VEHICLE ACCESS IN WETLAND.
- CHANNEL GRADING OF DOWNSTEAM REACH (STATION 0+00 TO 8+75)
- EXCAVATE ACCORDING TO GRADING PLANS, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE, IN ORDER TO FORM THE DESIRED DIMENSIONS OF THE CHANNEL. CHANNEL SHOULD BE EXCAVATED BELOW THE FINISH ELEVATIONS INDICATED ON THE GRADING PLAN TO ALLOW SPACE FOR STREAMBED GRAVEL PLACEMENT.
 - SCULPT THE OVERFLOW CHANNELS PARALLELING THE ACTIVE STREAM CHANNEL AS SHOWN ON THE PLANS AND AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE. THE OVERFLOW CHANNELS ARE TO BE EXCAVATED TO THE ELEVATION OF ADJACENT STREAM SECTIONS, INCLUDING POOL DEPRESSIONS TO ACCOMMODATE LOG STRUCTURES.
 - INSTALL AND ANCHOR THE IN-STREAM LOG HABITAT FEATURES ACCORDING TO PLANS AND SPECIFICATIONS AND AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
 - INSTALL INTERPRETIVE TRAIL.
 - CULVERT EXTENSION AND CHANNEL GRADING OF UPSTREAM REACH (STATION 8+75 TO CULVERT)
 - CONSTRUCT A SANGHAR AND PLASTIC DAM ACROSS THE UPSTREAM FACE OF THE CULVERT AT W 256TH STREET.
 - DIVERT WATER BY GRAVITY OR PUMPING INTO A DIVERSION PIPE PLACED THROUGH CULVERT AND ALONG ROAD EMBANKMENT TO A DOWNSTEAM LOCATION IN THE FLUME.
 - EXCAVATE ACCORDING TO GRADING PLANS, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE, IN ORDER TO FORM THE DESIRED DIMENSIONS OF THE CHANNEL. CHANNEL SHOULD BE EXCAVATED BELOW THE FINISH ELEVATIONS INDICATED ON THE GRADING PLAN TO ALLOW SPACE FOR STREAMBED GRAVEL PLACEMENT.
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 - INSTALL AND ANCHOR THE IN-STREAM LOG HABITAT FEATURES ACCORDING TO PLANS AND SPECIFICATIONS AND AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
 - INSTALL CULVERT EXTENSION.
 - DIVERT FLOW INTO NEW CHANNEL.
 - BREAKUP AND FILL REMAINING FLUME AND REVEGETATE.
 - REVEGETATION
 - REVEGETATE THE ENTIRE LENGTH OF DISTURBED CHANNEL BANK AND STREAM CORRIDOR ACCORDING TO REVEGETATION PLANS.
 - PREPARE THE PLANTING AREA BY FLAGGING THE LOCATIONS OF EACH TREE AND LARGE SHRUB PRIOR TO INSTALLATION.
 - PREPARE THE PLANTING PITS AND INSTALL THE PLANTS PER THE PLANTING DETAIL SPECIFICATIONS.
 - MULCH EACH TREE AND SHRUB AS SHOWN IN THE DETAILS (2-INCH WOOD CHIP MULCH).
 - HYDROSEED OR HAND SEED AS NECESSARY TO REPAIR AREAS DISTURBED FOLLOWING PLANT PLACEMENT.

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Applicant: City of Kent/U.S. Army Corps of Engineers
Corps Reference #: CENWS PL-04-05
Purpose: Restore Creek
In: Meridian Valley Creek, a tributary of Big Soos Creek
Near: Kent, WA
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GRADING PLAN



GRADING PROFILE

90% SUBMITTAL FOR REVIEW ONLY

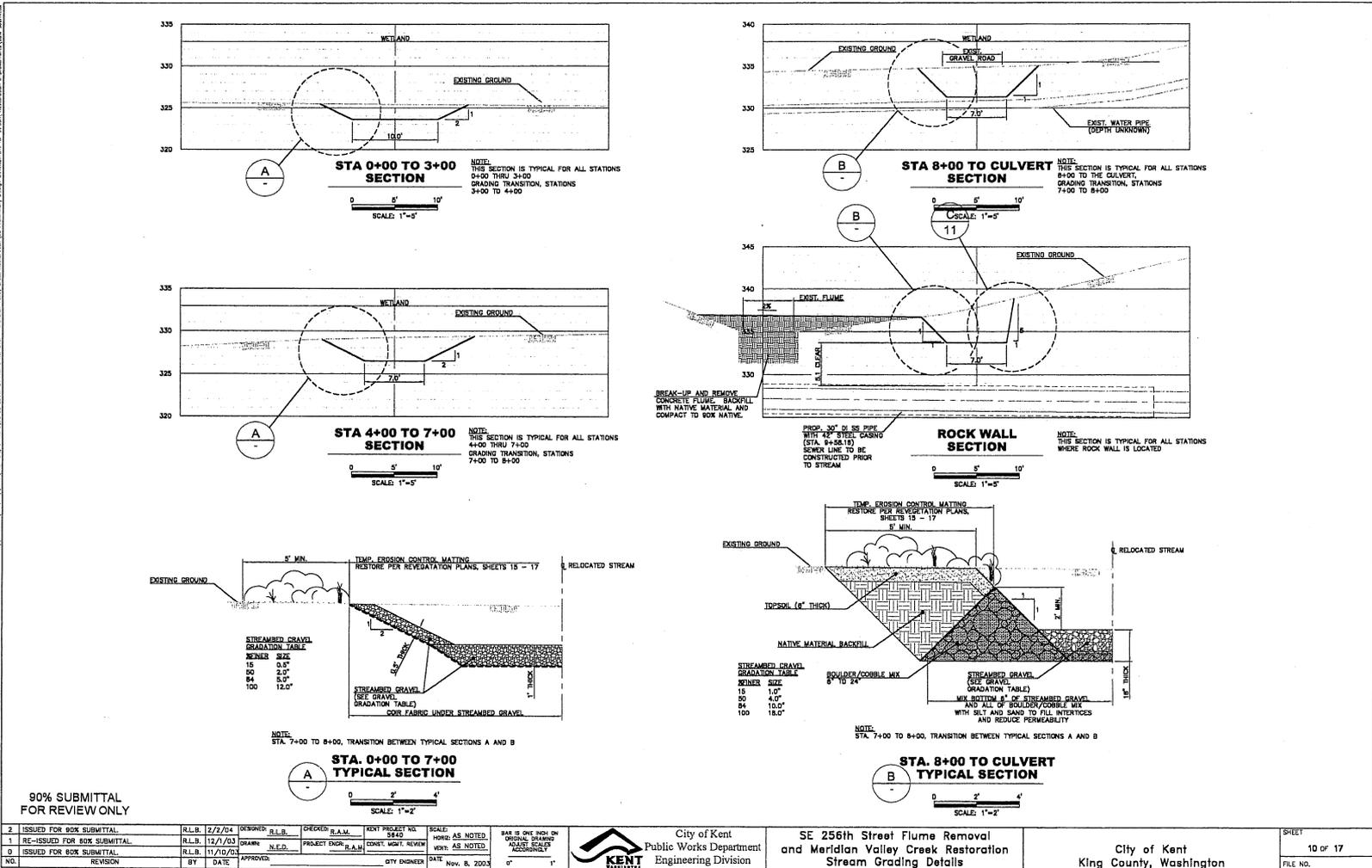
2	ISSUED FOR BOX SUBMITTAL	R.L.B. 12/2/04	DESIGNED	R.L.B.	CHECKED	R.A.M.	KENT PROJECT NO.	SCALE	HORIZ. AS NOTED	BAR IS ONE INCH ON ORIGINAL DRAWING. ALL OTHER SCALES ACCURACIES.		City of Kent Public Works Department Engineering Division	SE 256th Street Flume Removal and Meridian Valley Creek Restoration Stream Grading Plan—Lower Reach	City of Kent King County, Washington	SHEET 8 of 17 FILE NO.
1	RE-ISSUED FOR BOX SUBMITTAL	R.L.B. 12/7/03	DRAWN	N.E.D.	PROJECT ENGR.	R.A.M.	CONVT. W/MT. REVIEW	VERT. AS NOTED							
0	ISSUED FOR BOX SUBMITTAL	R.L.B. 11/10/03	APPROVED				CITY ENGINEER	DATE	Nov. 8, 2003	0"	1"				

Adjacent Property Owners:

1. Soos Creek Sewer & Water District
2. King County

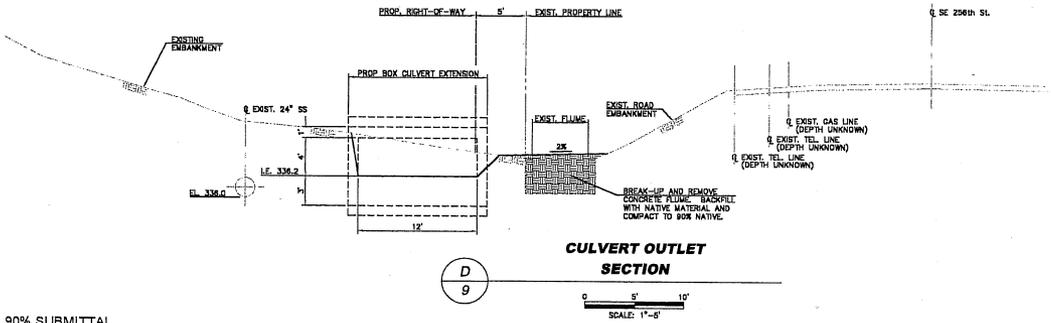
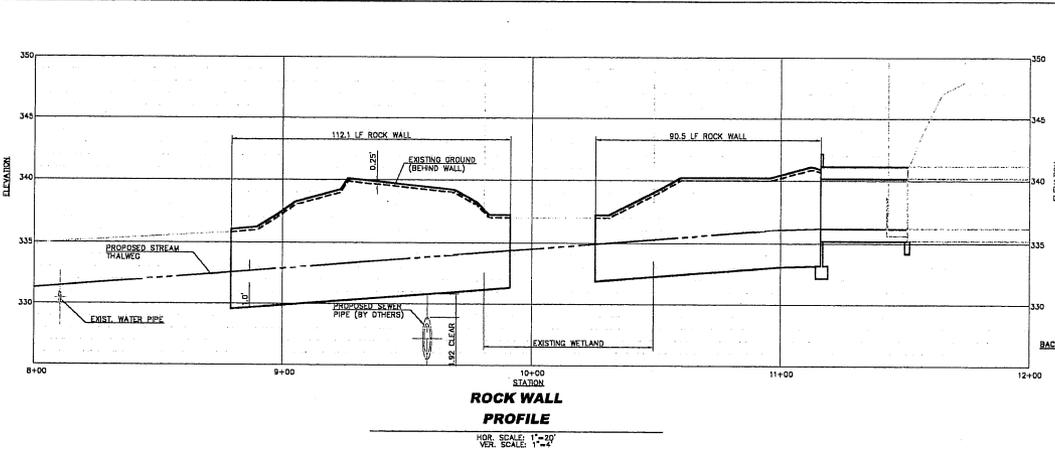
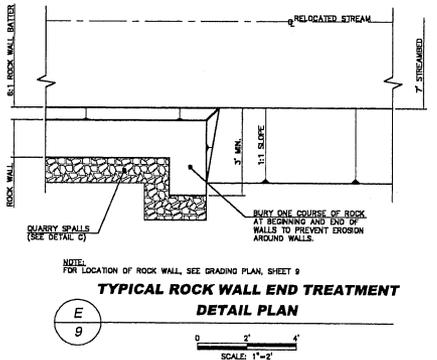
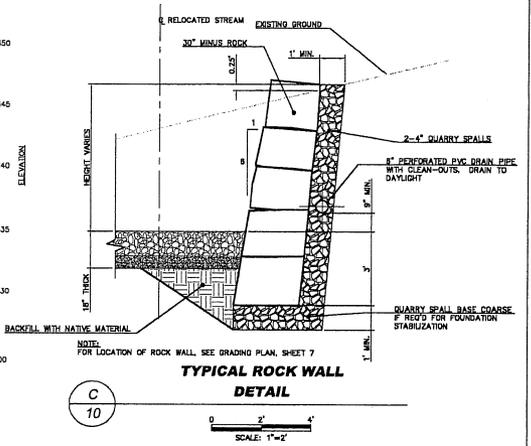
Proposed: Meridian Valley Creek Restoration
Applicant: City of Kent/U.S. Army Corps of Engineers
Corps Reference #: CENWWS PL-04-05
Purpose: Restore Creek
In: Meridian Valley Creek, a tributary of Big Soos Creek
Near: Kent, WA
Datum: NGVD

Adjacent Property Owners:
 1. Soos Creek Sewer & Water District
 2. King County



90% SUBMITTAL FOR REVIEW ONLY

2	ISSUED FOR 90% SUBMITTAL	R.L.B. 12/2/04	DESIGNED	R.L.B.	CHECKED	R.A.M.	KENT PROJECT NO. 3445	SCALE:	NONE AS NOTED	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES ACCORDINGLY.		City of Kent Public Works Department Engineering Division	SE 256th Street Flume Removal and Meridian Valley Creek Restoration Stream Grading Details	City of Kent King County, Washington	SHEET 10 of 17 FILE NO.
1	RE-ISSUED FOR 90% SUBMITTAL	R.L.B. 12/1/03	DRAWN	N.E.D.	PROJECT ENGR.	R.A.M.	DATE	Nov. 8, 2003	0"						
0	ISSUED FOR 90% SUBMITTAL	R.L.B. 11/7/03	BY	DATE	APPROVED	CITY ENGINEER	DATE	Nov. 8, 2003	0"						



90% SUBMITTAL FOR REVIEW ONLY

NO.	REVISION	BY	DATE	APPROVED
2	ISSUED FOR 80% SUBMITTAL	R.L.B.	12/2/04	REVISION: R.L.B.
1	RE-ISSUED FOR 80% SUBMITTAL	R.L.B.	12/1/03	DRAWN: J.N.E.D.
0	ISSUED FOR 80% SUBMITTAL	R.L.B.	11/10/03	PROJECT ENG: R.A.M.

KENT PROJECT NO. SE40	SCALE: HORIZ: AS NOTED	VERT: AS NOTED
CONSTR. MGMT. REVIEW	ADJUST SIZES ACCORDINGLY	
CITY ENGINEER	DATE: Nov. 8, 2003	

City of Kent
Public Works Department
Engineering Division

SE 256th Street Flume Removal
and Meridian Valley Creek Restoration
Stream Rock Wall Profile and Details

City of Kent
King County, Washington

SHEET 11 of 17
FILE NO.

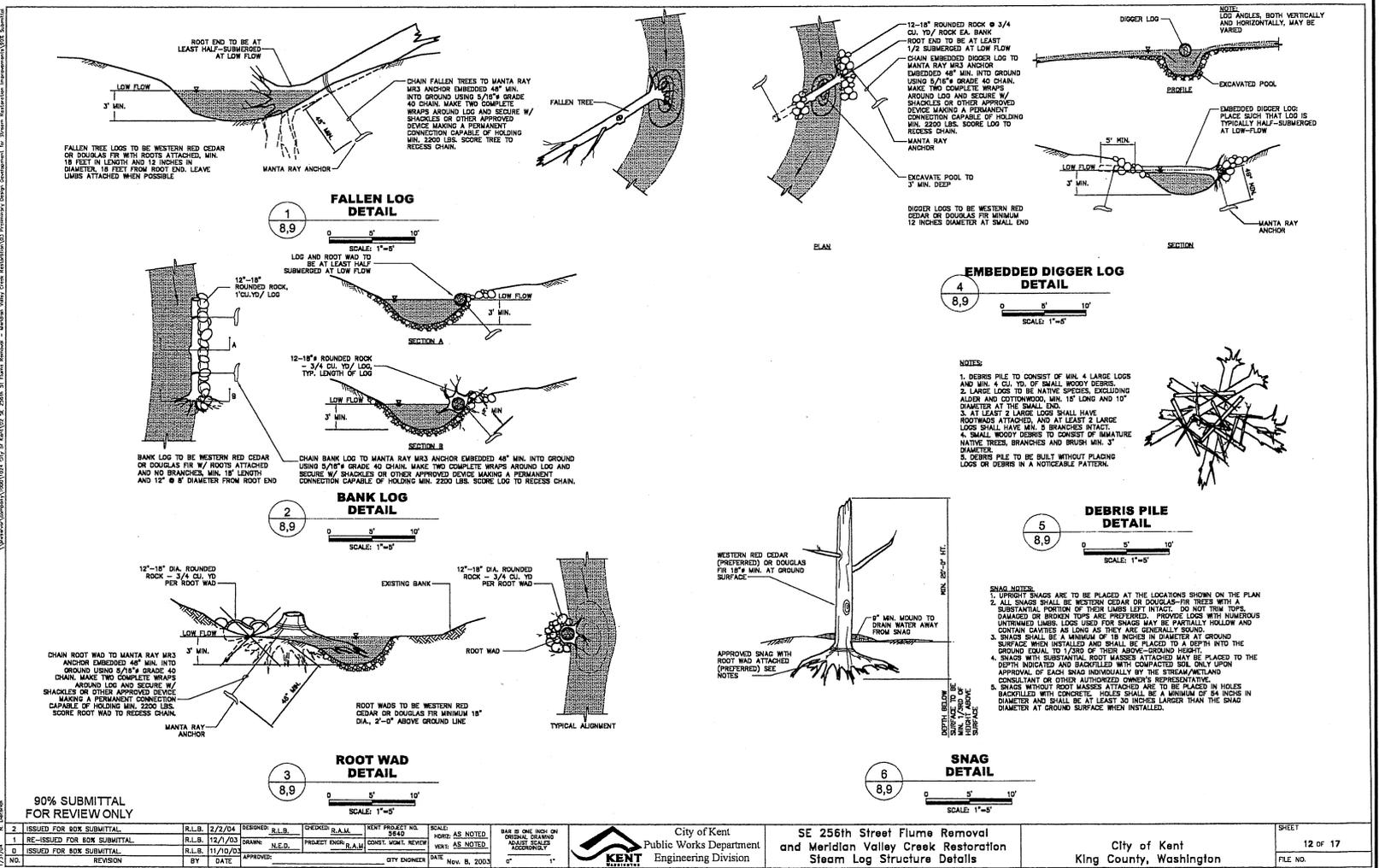
Proposed: Meridian Valley Creek Restoration
Applicant: City of Kent/U.S. Army Corps of Engineers
Corps Reference #: CENWS PL-04-05
Purpose: Restore Creek
In: Meridian Valley Creek, a tributary of Big Soos Creek
Near: Kent, WA
Datum: NGVD

Adjacent Property Owners:
 1. Soos Creek Sewer & Water District
 2. King County

Sheet 11 of 17
February, 2004

Proposed: Meridian Valley Creek Restoration
Applicant: City of Kent/U.S. Army Corps of Engineers
Corps Reference #: CENWS PL-04-05
Purpose: Restore Creek
In: Meridian Valley Creek, a tributary of Big Soos Creek
Near: Kent, WA
Datum: NGVD

Adjacent Property Owners:
 1. Soos Creek Sewer & Water District
 2. King County



80% SUBMITTAL FOR REVIEW ONLY

2	ISSUED FOR 80% SUBMITTAL	R.L.B.	2/22/04	DESIGNED	R.L.B.	CHECKED	R.A.M.	KENT PROJECT NO.	3540	SCALE	HOW AS NOTED	BAR IS ONE INCH ON GROUND DRAWING UNLESS SCALES INDICATED OTHERWISE
1	RE-ISSUED FOR 80% SUBMITTAL	R.L.B.	12/7/03	DRAWN	N.E.D.	PROJECT ENGR.	R.A.M.	CONTR. NO.	AS NOTED	VER:	AS NOTED	
0	ISSUED FOR 80% SUBMITTAL	R.L.B.	11/7/03	BY	DATE	APPROVED:	QTY ENGINEER	DATE	Nov. 8, 2003	0"	1"	

City of Kent
 Public Works Department
 Engineering Division

SE 256th Street Flume Removal
 and Meridian Valley Creek Restoration
 Steam Log Structure Details

City of Kent
 King County, Washington

SHEET
 12 of 17
 FILE NO.