

PROJECT LOCATION FOR THE "CLOVER CREEK IMPROVEMENTS AT PARKLAND PRAIRIE PRESERVE" IS JUST SOUTHWEST OF THE INTERSECTION OF TULE LAKE ROAD SOUTH AND YAKIMA AVENUE SOUTH IN PARKLAND, WASHINGTON. CONSTRUCTION ACCESS WILL BE THROUGH AN EXISTING GATE ON THE EAST SIDE OF THE PRAIRIE PRESERVE.

MAP SCALE: 1" = 1,000' (FROM DeLORME 1999).

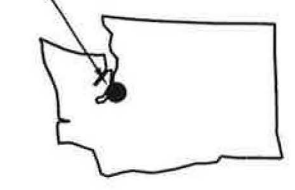
CLOVER CREEK IMPROVEMENTS AT PARKLAND PRAIRIE PRESERVE

Kristin Williamson (360-412-0808)
(kristinw@spsseg.org)
South Puget Sound Salmon Enhancement Group
6700 Martin Way East, Suite 112
Olympia, WA 98516

DRAWING LIST:

1. PROJECT LOCATION & DRAWING LIST
2. EXISTING PRESERVE SITE PLAN
3. SITE PLAN FOR CHANNEL IMPROVEMENTS
4. SECTIONS AND DETAILS
5. STREAMBED AND BANK DETAILS
6. PRAIRIE MOUND DETAILS

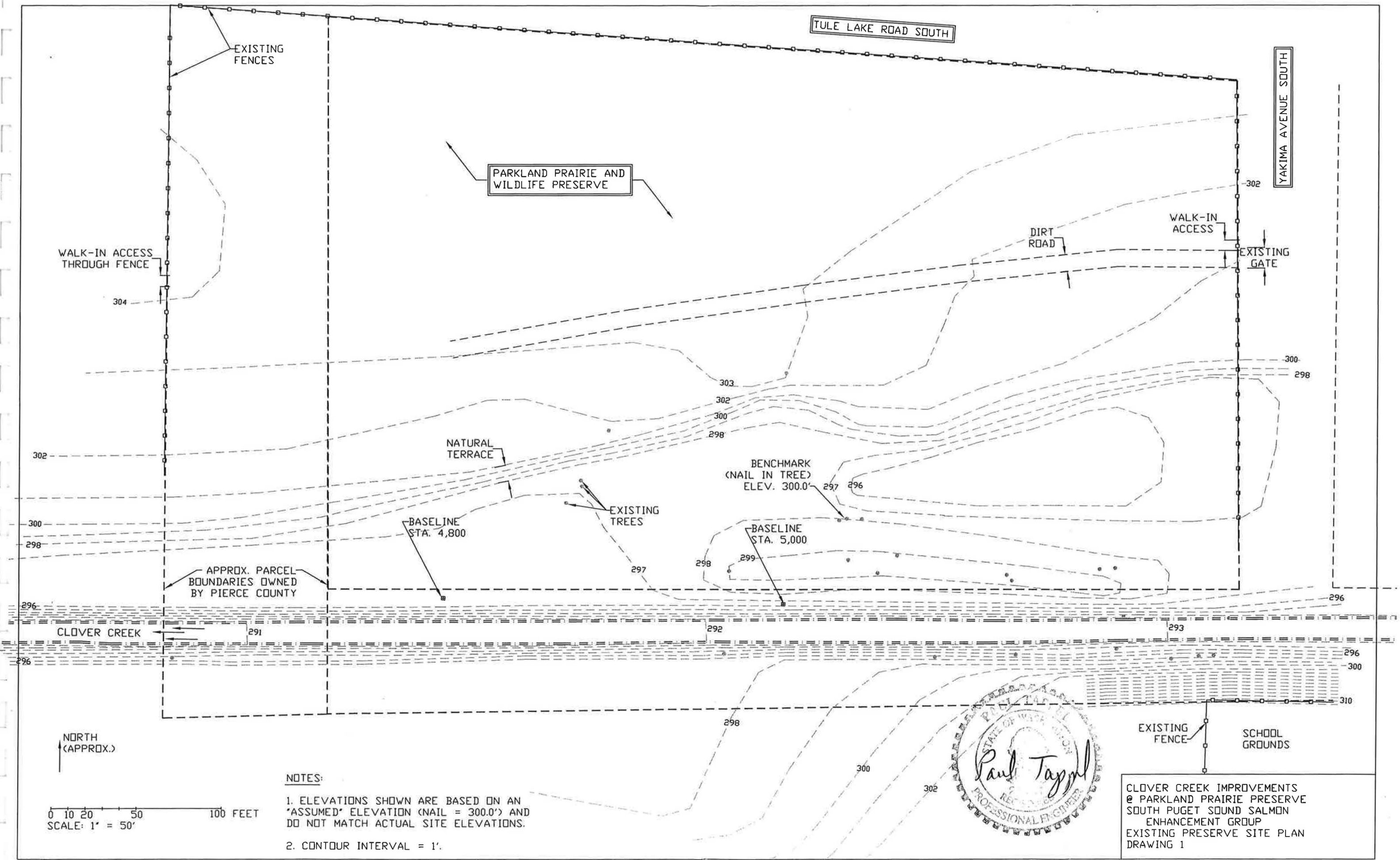
THE PROJECT SITE IS LOCATED AT THE PARKLAND PRAIRIE PRESERVE IN PARKLAND, WASHINGTON. THE PRESERVE IS AN UNDEVELOPED FOUR ACRES OF LAND JUST SOUTH OF TULE LAKE ROAD SOUTH, AND WEST OF YAKIMA AVENUE SOUTH.



JUNE 2008

CLOVER CREEK IMPROVEMENTS
AT PARKLAND PRAIRIE PRESERVE
SOUTH PUGET SOUND SALMON
ENHANCEMENT GROUP

PROJECT LOCATION & DRAWING LIST
DRAWING 1



NOTES:

1. ELEVATIONS SHOWN ARE BASED ON AN "ASSUMED" ELEVATION (NAIL = 300.0') AND DO NOT MATCH ACTUAL SITE ELEVATIONS.
2. CONTOUR INTERVAL = 1'.

CLOVER CREEK IMPROVEMENTS
@ PARKLAND PRAIRIE PRESERVE
SOUTH PUGET SOUND SALMON
ENHANCEMENT GROUP
EXISTING PRESERVE SITE PLAN
DRAWING 1



EXISTING
FENCES

LEGEND FOR CHANNEL IMPROVEMENTS

INDIVIDUAL ROOT WADS (30 EACH) &
LOGS (30 EACH) WITH TRUNKS BURIED
INTO BANKS FOR ANCHOR.

STREAMBED & STREAMBANK "ARMOR"
MATERIALS WITH 6"-12" SIZE
BOULDERS & COBBLES. FILL VOIDS
WITH NATIVE SOILS.

TULE LAKE ROAD SOUTH

PRAIRIE MOUNDS WITH EXTRA
EXCAVATED MATERIALS, EACH
MOUND 40'-SIZE x 4'-HIGH +/-
16 MOUNDS TOTAL
(BUILD IN CLUSTERS)
(AVOID EXISTING TREES)

YAKIMA AVENUE SOUTH

WALK-IN ACCESS
THROUGH FENCE

WALK-IN
ACCESS

EXISTING
GATE

PARKLAND PRAIRIE AND
WILDLIFE PRESERVE

APPROX. PARCEL
BOUNDARIES OWNED
BY PIERCE COUNTY

NATURAL
TERRACE

SECTION A
DRAWING 3

BENCHMARK
(NAIL IN TREE)
ELEV. 300.0'

SECTION B
DRAWING 3

SECTION C
DRAWING 4

SECTION D
DRAWING 4

START & END
NEW CHANNEL
5' INSIDE
PIERCE COUNTY
PROPERTY

CLOVER CREEK

FILL CROSS-HATCH
AREA TO ELEV. 297'
(PROTECT TREES)

FILL CROSS-HATCH
AREA TO ELEV. 297'
(PROTECT TREES)

FILL CROSS-HATCH
AREA TO ELEV. 298'
(PROTECT TREES)

EXISTING CHANNEL LENGTH = 620'
PROPOSED CHANNEL LENGTH = 660'
SINUOSITY = 1.1

NORTH
(APPROX.)

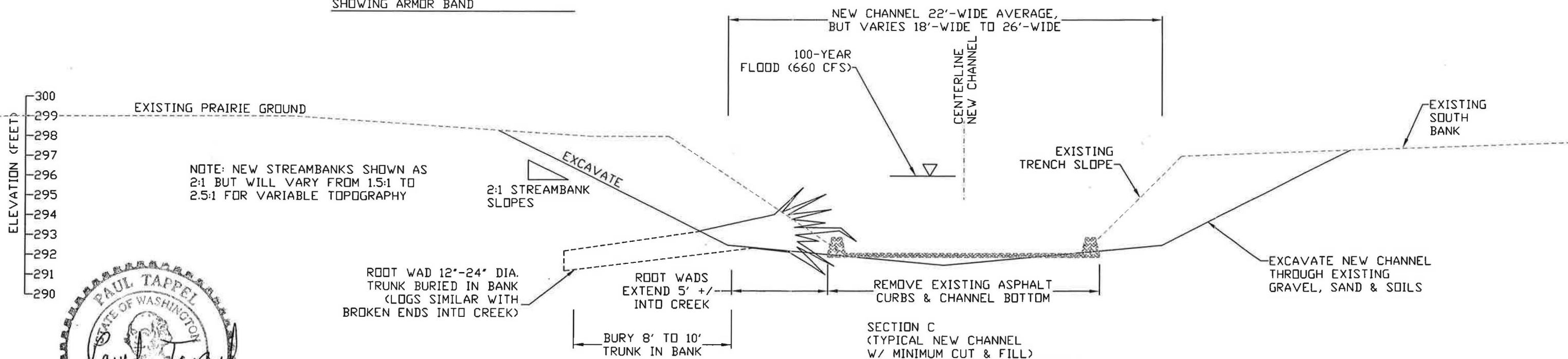
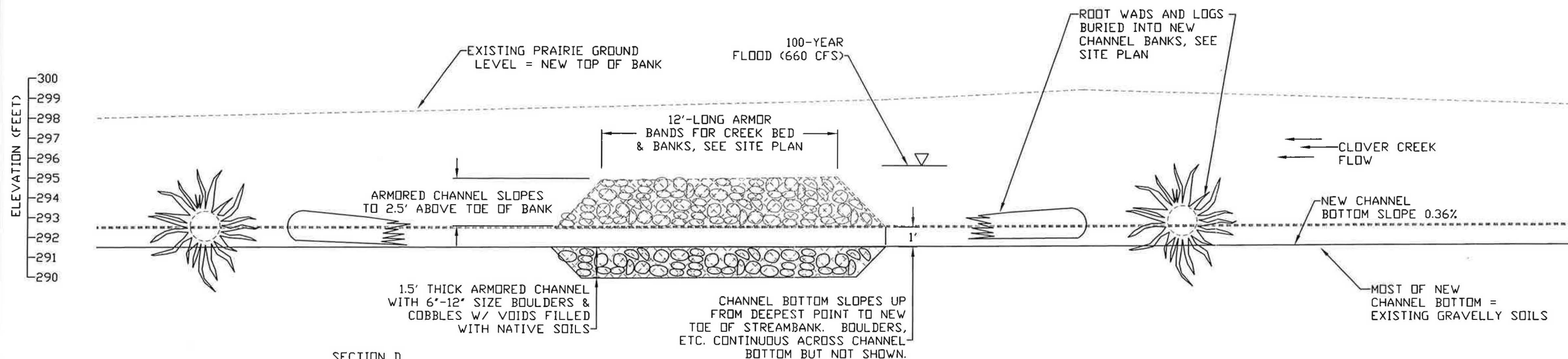
0 10 20 50 100 FEET
SCALE: 1" = 50'

NOTES:

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"ASSUMED" ELEVATION (NAIL = 300.0') AND
DO NOT MATCH ACTUAL SITE ELEVATIONS.

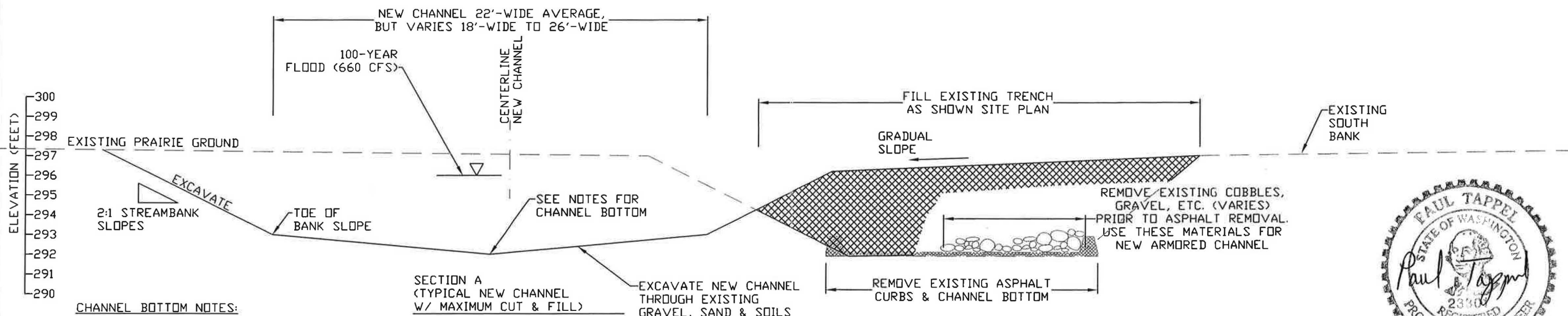
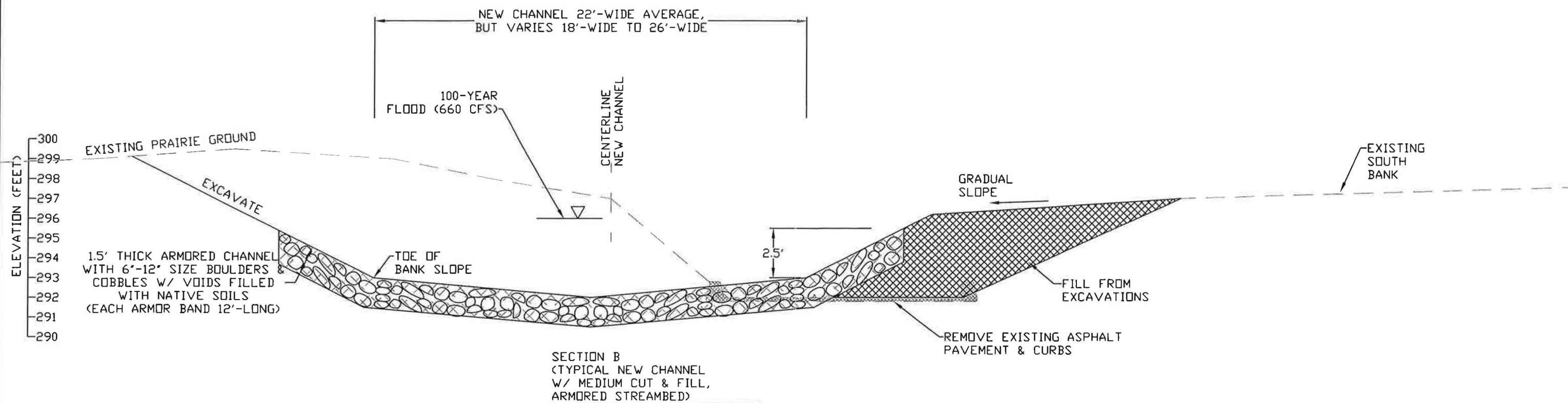
2. CONTOUR INTERVAL = 1'.

CLOVER CREEK IMPROVEMENTS
@ PARKLAND PRAIRIE PRESERVE
SOUTH PUGET SOUND SALMON
ENHANCEMENT GROUP
PROPOSED PRESERVE SITE PLAN
DRAWING 2



0 5 10
SCALE: 1" = 5'

CLOVER CREEK IMPROVEMENTS
@ PARKLAND PRAIRIE PRESERVE
SOUTH PUGET SOUND SALMON
ENHANCEMENT GROUP
STREAMBED AND BANK DETAILS
DRAWING 4



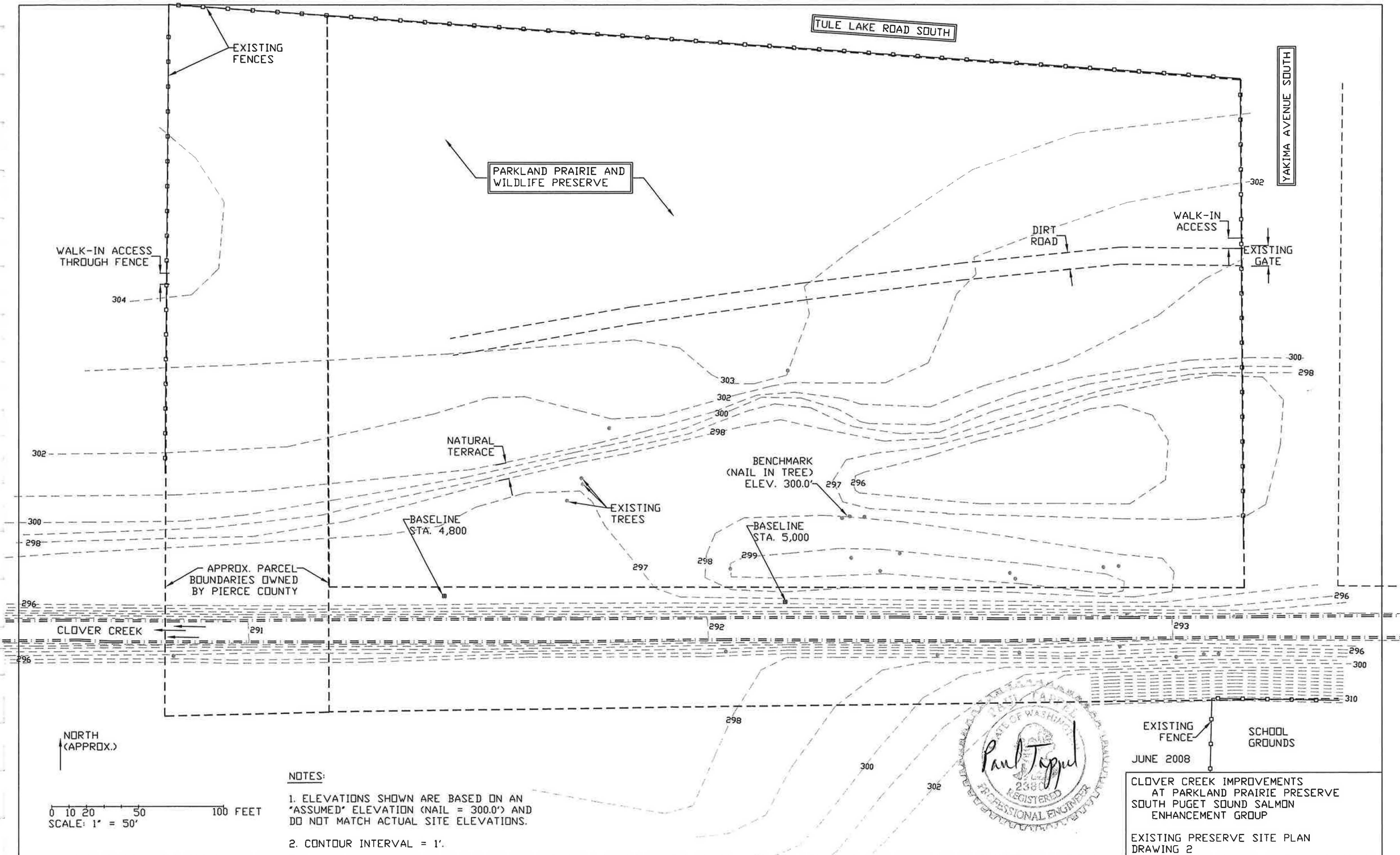
CHANNEL BOTTOM NOTES:

1. LOWEST POINT FOR NEW CHANNEL IS 0.5' BELOW EXISTING ASPHALT AT ENDS NEW CHANNEL REACHES.
2. LOW POINT IN CHANNEL WIDTH SHALL MEANDER FROM NORTH-TO-SOUTH TO WITHIN 4' OF THE TOE BANK SLOPES.
3. LOW POINT OF CHANNEL IS 1' +/- LOWER ELEVATION THAN TOE OF BANK SLOPES.

0 5 10
SCALE: 1" = 5'



CLOVER CREEK IMPROVEMENTS
@ PARKLAND PRAIRIE PRESERVE
SOUTH PUGET SOUND SALMON
ENHANCEMENT GROUP
SECTIONS AND DETAILS
DRAWING 3



NOTES:

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EXISTING FENCE
 JUNE 2008
 SCHOOL GROUNDS

CLOVER CREEK IMPROVEMENTS
 AT PARKLAND PRAIRIE PRESERVE
 SOUTH PUGET SOUND SALMON
 ENHANCEMENT GROUP
 EXISTING PRESERVE SITE PLAN
 DRAWING 2



EXISTING
FENCES

WALK-IN ACCESS
THROUGH FENCE

304

NATIVE PLANT SALVAGE:
ABOUT 150 SMALL PLANTS
(WILL BE FLAGGED) SHALL
BE CAREFULLY SCOOPED
UP BY CONTRACTOR (IN
EXCAVATOR BUCKET) AND
WALKED OVER TO SOUTH
SIDE OF CREEK (NEW FILL
AREAS) FOR RE-PLANTING
AS CHANNEL EXCAVATION
PROCEEDS. NATIVE PLANT
SALVAGE WILL BE
CONSIDERED "INCIDENTAL"
TO PROJECT EXCAVATION.

APPROX. PARCEL
BOUNDARIES OWNED
BY PIERCE COUNTY

CLOVER CREEK

FILL CROSS-HATCH
AREA TO ELEV. 297.0'
(PROTECT TREES)

FILL CROSS-HATCH
AREA TO ELEV. 297.5'
(PROTECT TREES)

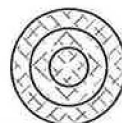
FILL CROSS-HATCH
AREA TO ELEV. 298.0'
(PROTECT TREES)

EXISTING CHANNEL LENGTH = 620'
PROPOSED CHANNEL LENGTH = 660'
SINUOSITY = 1.1

THICK DASH-DOT LINE
SHOWS LOW POINT IN
CHANNEL MEANDERING TO
WITHIN 4' EACH OUTSIDE
BEND, SEE DETAILS

LEGEND FOR CHANNEL AND PRAIRIE IMPROVEMENTS

INDIVIDUAL ROOT WADS (30 EACH) &
LOGS (30 EACH) WITH TRUNKS BURIED
INTO BANKS FOR ANCHOR (SEE
DETAILS OTHER DRAWINGS). PLACE
3/4 OF WOOD PIECES ON OUTSIDE OF
CHANNEL MEANDERS.



PRAIRIE MOUNDS FOR LONG-TERM
"STORAGE" OF SURPLUS EXCAVATED
MATERIALS (SEE DETAILS OTHER
DRAWINGS).

PRAIRIE MOUNDS TO BE CREATED
WITH EXTRA EXCAVATED MATERIALS,
EACH MOUND 30'-DIAMETER x 3'-HIGH.
44 MOUNDS TOTAL, WITH REGULAR
PATTERN TO BE LAID OUT BY ENGINEER.

WATER CONTROL & EROSION CONTROL NOTES:

1. CLOVER CREEK THRU THE PRAIRIE IS NORMALLY DRY
DURING JULY THRU MID-SEPTEMBER. WATER CONTROL IS
NOT EXPECTED TO BE REQUIRED FOR THIS PROJECT.
2. CONTRACTOR SHALL SPREAD EROSION CONTROL SEED
OVER ALL CUT SLOPES, FILL AREAS, MOUNDS, AND
DISTURBED SOILS (e.g. TEMPORARY ROADS AND STAGING
AREA) AT END OF CONSTRUCTION. (ALL RAW SOILS).
3. CONTRACTOR SHALL SPREAD STRAW OVER SLOPING
STREAMBANKS (ONLY) IMMEDIATELY AFTER SEED
APPLICATION (SEE SPECS.).

NATURAL
TERRACE

SECTION A
DRAWING 4

BASELINE
STA. 4,800

EXISTING
TREES

BENCHMARK
(NAIL IN TREE)
ELEV. 300.0'

SECTION B
DRAWING 4

SECTION C
DRAWING 5

SECTION D
DRAWING 5

CROSS-HATCHED AREA
= EXISTING PRAIRIE
PLANTS (LOCATION IS
APPROXIMATE). PRAIRIE
MOUND CONSTRUCTION
TO AVOID THESE
PRAIRIE PLANTS.

START & END
NEW CHANNEL
5' INSIDE
PIERCE COUNTY
PROPERTY

TULE LAKE ROAD SOUTH

YAKIMA AVENUE SOUTH

WALK-IN
ACCESS

EXISTING
GATE

CONSTRUCTION
STAGING AREA

DIRT
ROAD

SECTION E
DRAWING 6

NORTH
(APPROX.)

0 10 20 50 100 FEET
SCALE: 1" = 50'

NOTES:

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DO NOT MATCH ACTUAL SITE ELEVATIONS.
2. CONTOUR INTERVAL = 1'.

JUNE 2008

CLOVER CREEK IMPROVEMENTS
AT PARKLAND PRAIRIE PRESERVE
SOUTH PUGET SOUND SALMON
ENHANCEMENT GROUP

SITE PLAN FOR CHANNEL IMPROVEMENTS
DRAWING 3

300

302

302

300

298

302

300

298

296

296

296

296

300

310

302

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290

288

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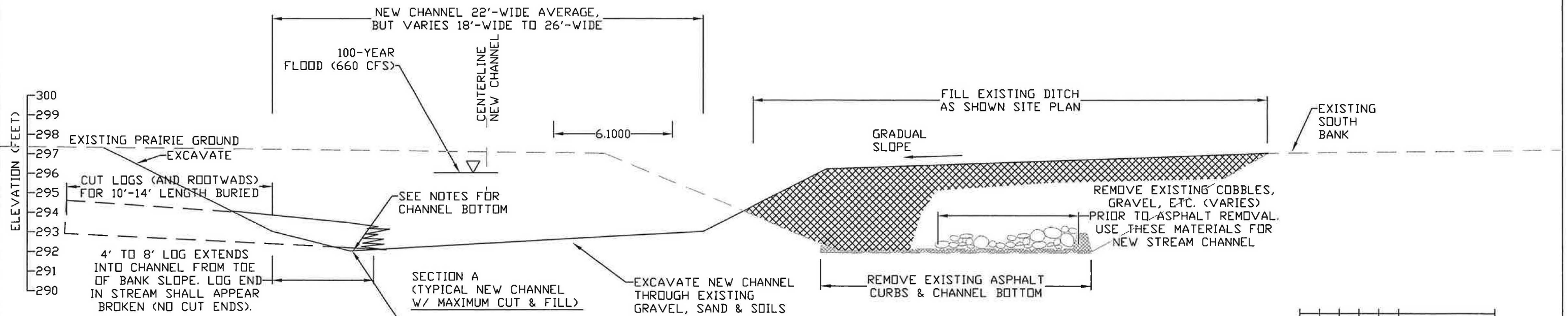
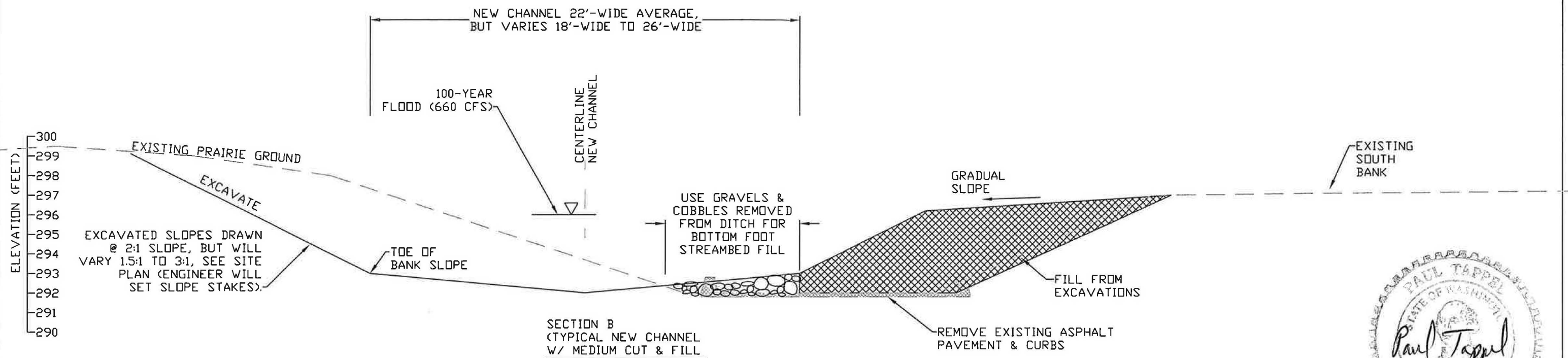
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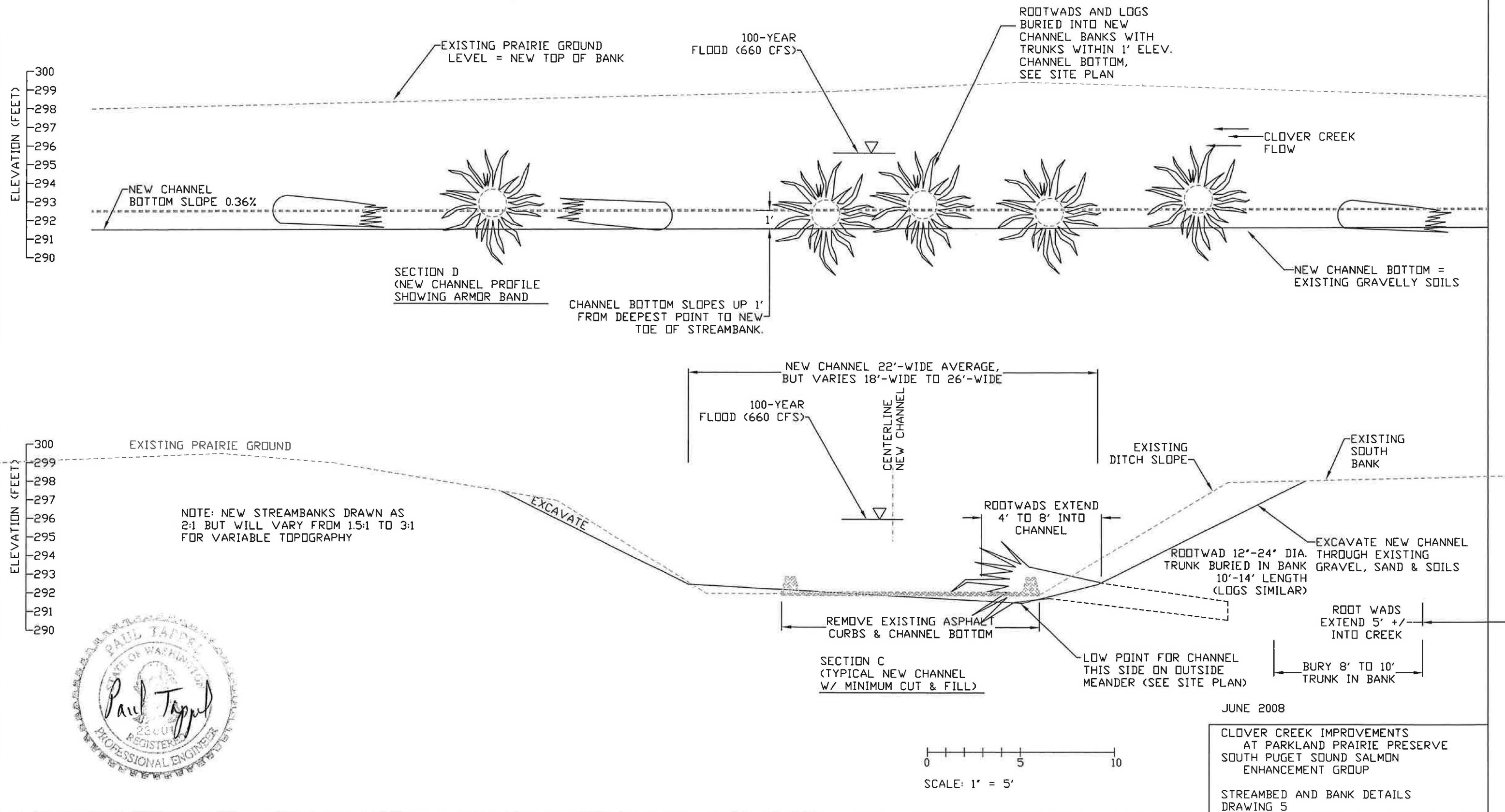
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 3. LOW POINT OF CHANNEL IS 1' +/- LOWER ELEVATION THAN TOE OF BANK SLOPES.

0 5 10
SCALE: 1" = 5'

JUNE 2008

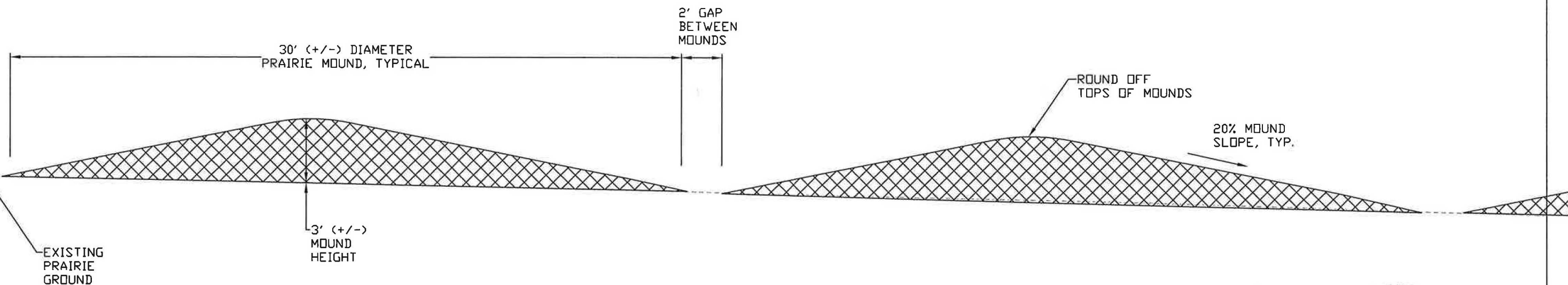
CLOVER CREEK IMPROVEMENTS
AT PARKLAND PRAIRIE PRESERVE
SOUTH PUGET SOUND SALMON
ENHANCEMENT GROUP

SECTIONS AND DETAILS
DRAWING 4



ELEVATION (FEET)

310
309
308
307
306
305
304
303
302
301
300
299
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295
294
293
292
291
290



MOUND CONSTRUCTION NOTES:

1. ALL SOILS FOR MOUND CONSTRUCTION WILL COME FROM CHANNEL EXCAVATION.
2. ENGINEER WILL LAY OUT MOUND CENTER LOCATIONS.
3. DO NOT COMPACT SOILS PLACED FOR MOUNDS.



JUNE 2008

CLOVER CREEK IMPROVEMENTS
AT PARKLAND PRAIRIE PRESERVE
SOUTH PUGET SOUND SALMON
ENHANCEMENT GROUP

PRAIRIE MOUND DETAILS
DRAWING 6

0 5 10
SCALE: 1" = 5'