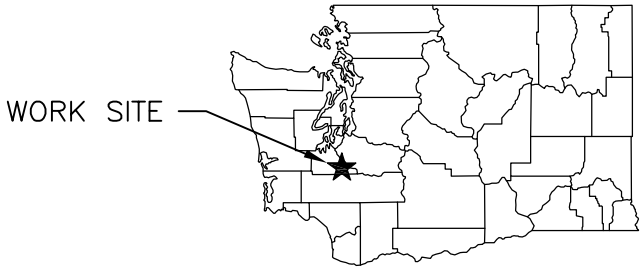
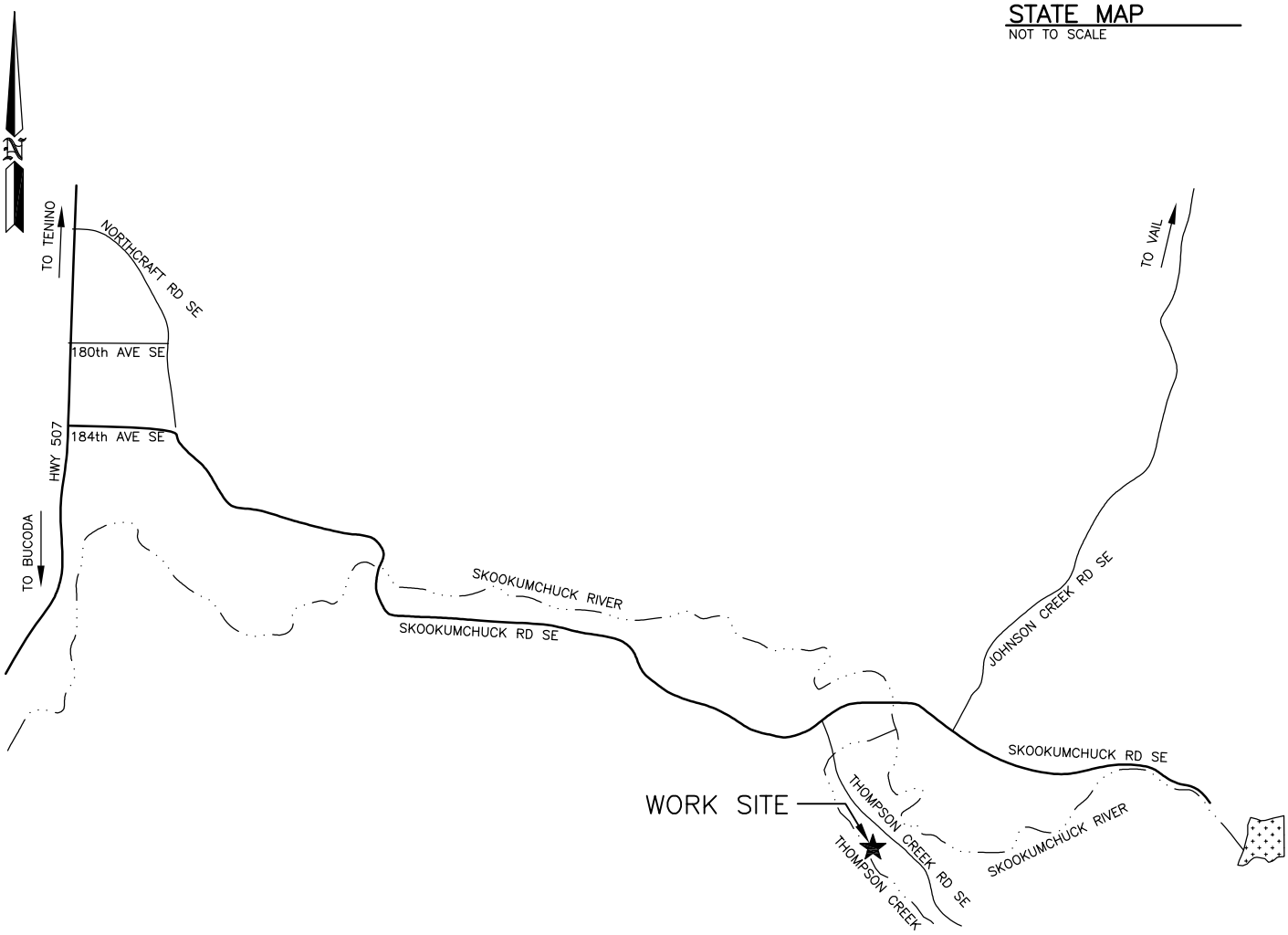
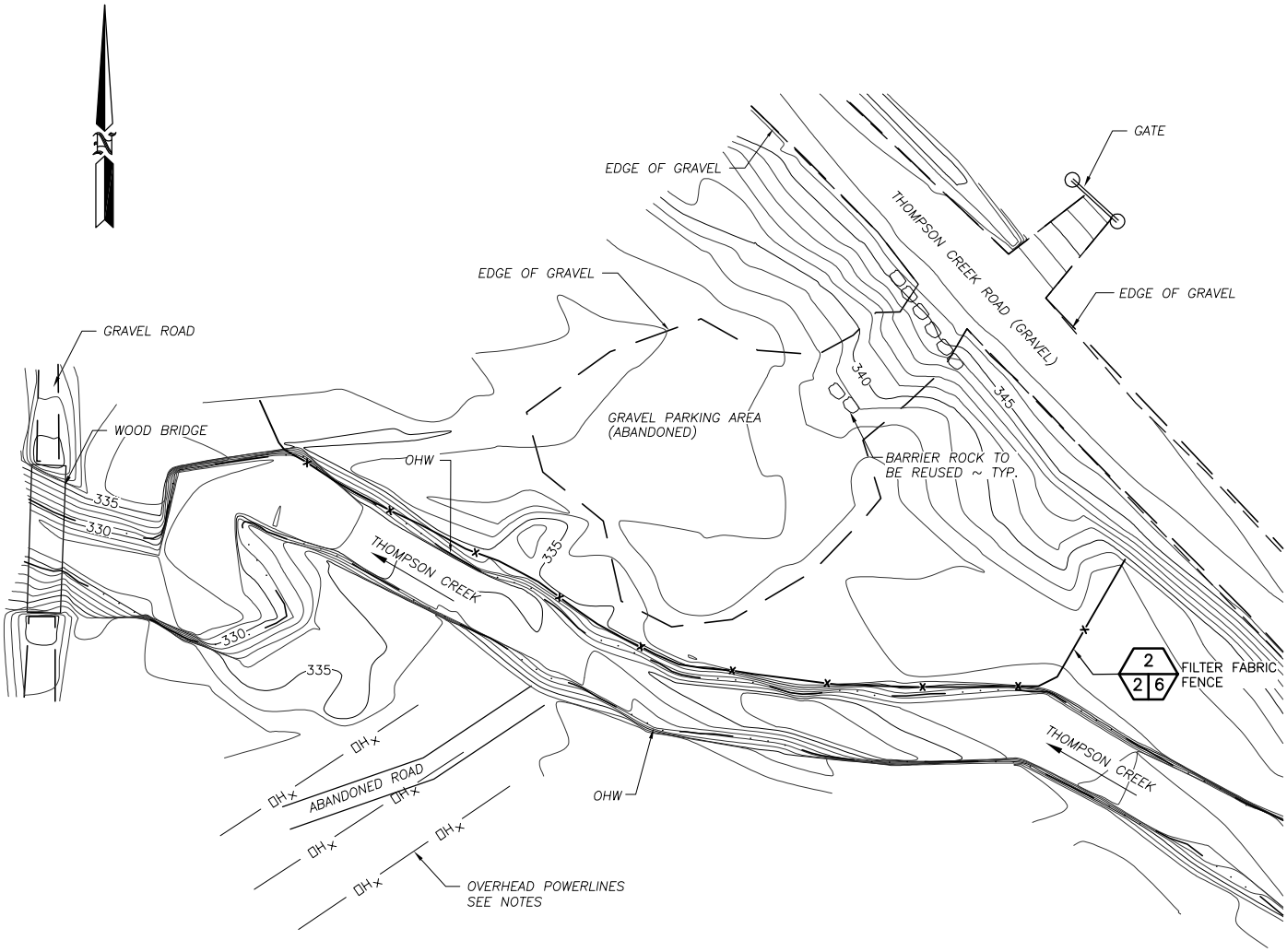



STATE MAP
NOT TO SCALE




VICINITY MAP
NOT TO SCALE

| | | |
|---|---|---|
| PURPOSE: | WASHINGTON DEPT. of FISH & WILDLIFE<br>600 CAPITOL WAY N.<br>OLYMPIA, WA 98501–1091 | PROPOSED: RIPARIAN RESTORATION |
| DATUM: NAVD 88<br>ADJACENT PROPERTY OWNER:<br>1.<br>2<br>ENG. PROJECT NO. TN:F230826:11–1 | REFERENCE NO.<br>SITE: THOMPSON CREEK<br>ADDRESS: 20325 THOMPSON CREEK RD SE<br>BUCODA | IN: THOMPSON CREEK<br>NEAR: BUCODA<br>COUNTY OF: THURSTON STATE: WA<br>PORTION OF: SEC13 T15N R1W<br>DATE: 02/04/2011 SHEET 1 OF 7 |




## EXISTING SITE PLAN

SCALE: 1" = 60'

0 30 60 90
15 45
SCALE: 1" = 60'

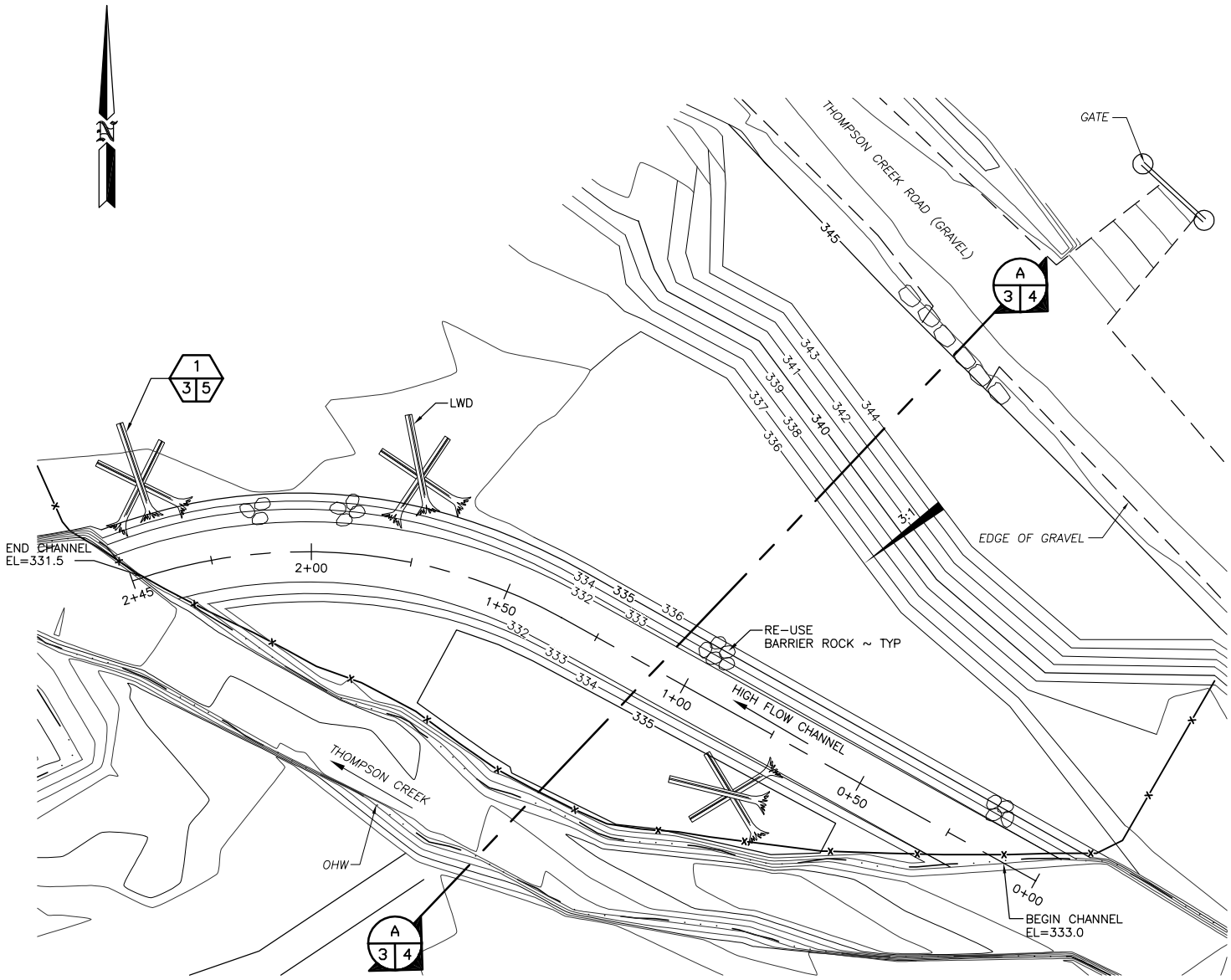
**NOTES:**

1. PROPERTY OWNER:
   TRANS ALTA
   913 BIG HANAFORD ROAD
   CENTRALIA, WA 98531
   LARRY WEBSTER

2. POWER EASEMENT: BONNEVILLE POWER

| | |
|---|---|
| REFERENCE NO. | |
| APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE | |
| THOMPSON CREEK<br>RIPARIAN RESTORATION<br>EXISTING SITE PLAN/EROSION CONTROL | |
| AT: BUCODA , WASHINGTON | |
| DATE: 02/04/2011 | SHEET 2 OF 7 |

ENG. PROJECT NO. TN:F230826:11-1




## SITE PLAN

SCALE: 1" = 40'

0 10 20 50 40 60

SCALE: 1" = 40'

| CUT AND FILL DATA | |
|---|---|
| SITE | TOTALS |
| CHANNEL AREA | |
| CUT | 850cy |
| | |
| ROADSIDE AREA | |
| FILL | 850cy |

REFERENCE NO. _____

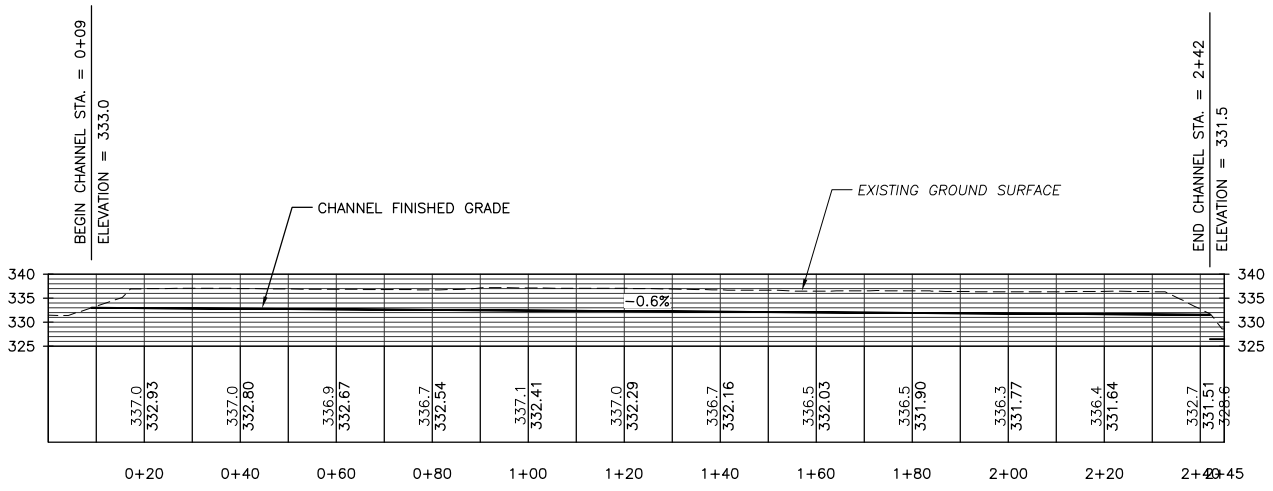
APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

THOMPSON CREEK
RIPARIAN RESTORATION
SITE PLAN

AT: BUCODA , WASHINGTON

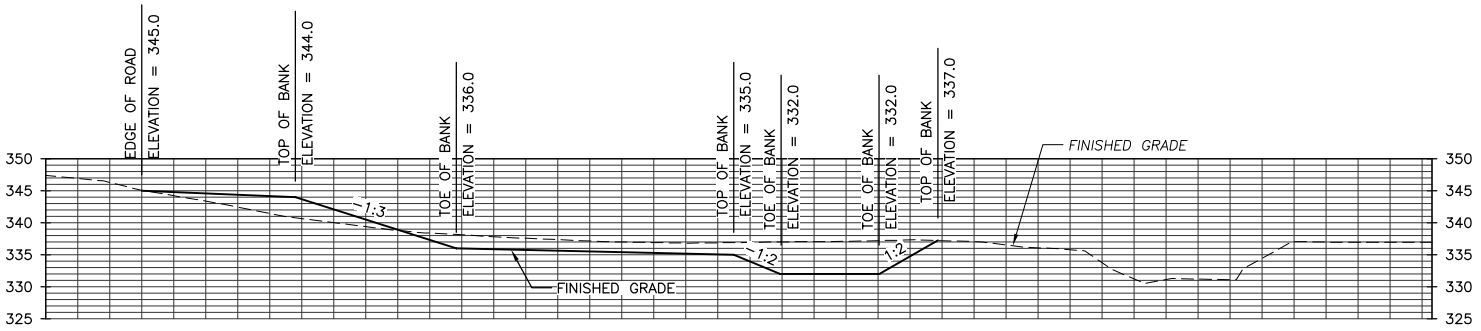
DATE: 20/04/2011 SHEET 3 OF 7

ENG. PROJECT NO. TN:F230826:11-1




## CHANNEL PROFILE

SCALE: 1" = 40'



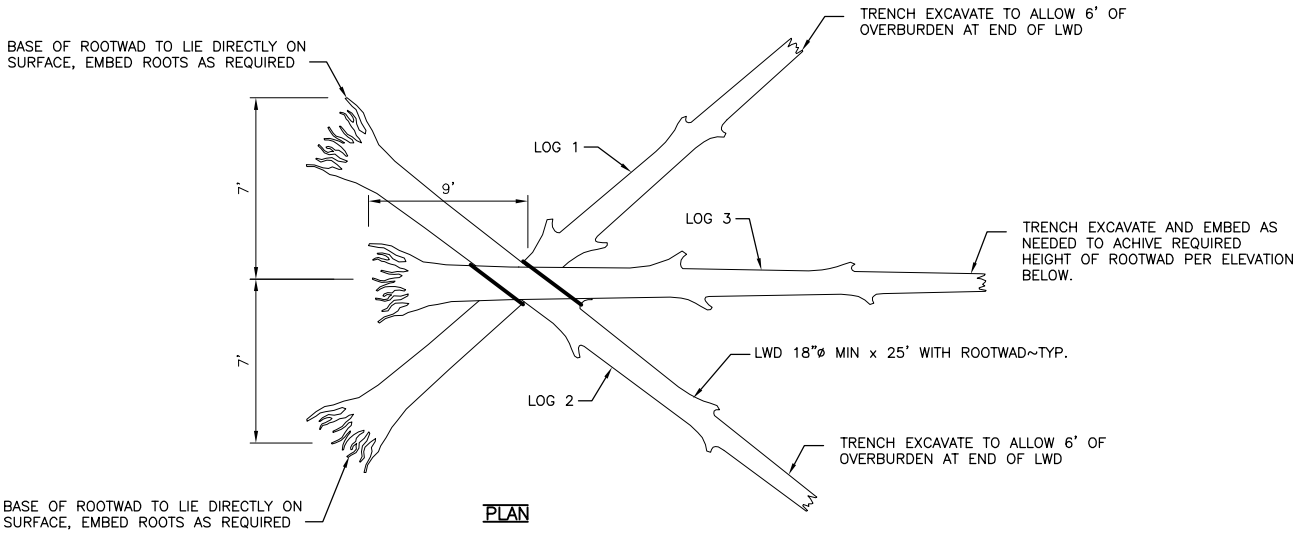

## SITE SECTION

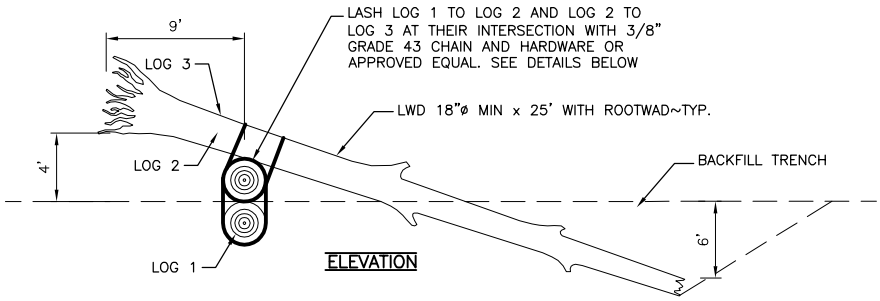
SCALE: 1" = 30'

A
3 | 4

| | |
|---|---|
| REFERENCE NO. | |
| APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE | |
| THOMPSON CREEK<br>RIPARIAN RESTORATION<br>SITE SECTION AND CHANNEL PROFILE | |
| AT: BUCODA , WASHINGTON | |
| DATE: 02/04/2011 | SHEET 4 OF 7 |

ENG. PROJECT NO. TN:F230826:11-1

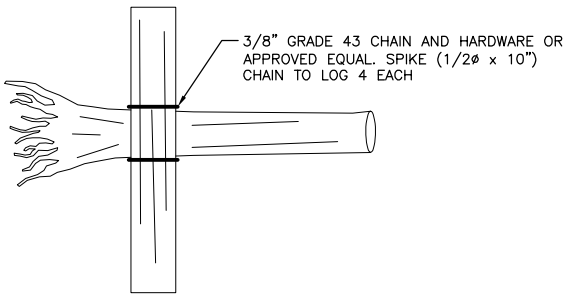


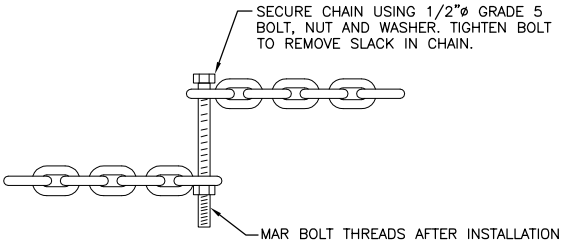




## LWD STACK

NOT TO SCALE

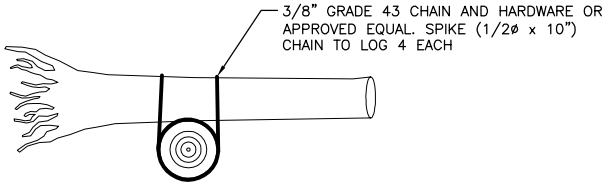
1 / 3 5




## TENSIONER DETAIL

NOT TO SCALE

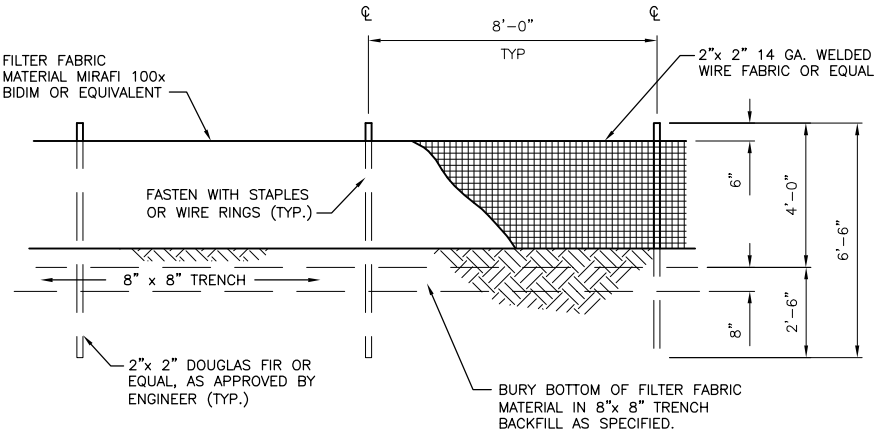



## LASHING DETAIL

NOT TO SCALE

| | |
|---|---|
| REFERENCE NO. | |
| APPLICANT: WASHINGTON DEPT. of FISH & WILDLIFE | |
| THOMPSON CREEK<br>RIPARIAN RESTORATION<br>LDW 3 STACK DETAILS | |
| AT: BUCODA , WASHINGTON | |
| DATE: 02/04/2011 | SHEET 5 OF 7 |

ENG. PROJECT NO. TN:F230826:11-1




## FILTER FABRIC FENCE

SCALE: NONE

2 / 2 6

### FILTER FABRIC NOTES:

1. FILTER FABRIC SHALL BE PURCHASED CONTINUOUS ROLL CUT TO LENGTH OF BARRIER AS NEEDED. IF JOINTS ARE NECESSARY FABRIC SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POSTS WITH A MINIMUM OF (6) INCH OVERLAP. BOTH ENDS SHALL BE SECURED AS REQUIRED.
2. FILTER FABRIC SHALL BE INSTALLED TO FOLLOW CONTOURS. FENCE POSTS SHALL BE SPACED A MAXIMUM OF EIGHT (8) FEET APART UNLESS OTHERWISE SHOWN HEREIN. ALL POSTS SHALL BE DRIVEN INTO THE GROUND A MINIMUM OF 30 INCHES.
3. A TRENCH SHALL BE EXCAVATED, ROUGHLY EIGHT (8) INCHES WIDE BY EIGHT (8) INCHES DEEP UP SLOPE AND ADJACENT TO THE POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
4. WHEN STANDARD STRENGTH FILTER FABRIC IS UTILIZED, A WIRE SINGLE SPACE MESH SUPPORT FENCE SHALL BE FASTENED TO THE UPSLOPE (OR UPSTREAM) SIDE OF THE POSTS USING ONE (1) INCH MINIMUM LENGTH WIRE STAPLES, TIE WIRE OR APPROVED HOG RINGS. ALL WIRE SUPPORT SHALL EXTEND INTO THE TRENCH A MINIMUM OF FOUR (4) INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE ORIGINAL GRADE.
5. ALL FILTER FABRIC SHALL BE STAPLED OR WIRED TO SUPPORT FENCING AND A MINIMUM OF 20 INCHES OF FABRIC SHALL BE EXTENDED INTO THE TRENCH. FILTER FABRIC SHALL NOT BE STAPLED OR FASTENED TO EXISTING TREES OF STRUCTURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. IF HIGH STRENGTH FILTER FABRIC AND CLOSER SPACING ARE USED, THE WIRE SUPPORT FENCING MAY BE ELIMINATED. HIGH STRENGTH FABRIC SHALL BE STAPLED OR WIRED DIRECTLY TO POSTS AS REQUIRED BY THE ENGINEER.
7. CUTOFF TRENCH SHALL BE BACKFILLED WITH 3/4 INCH MINIMUM DIAMETER WASHED GRAVEL OR OTHER SIMILAR SOURCE AS APPROVED BY THE ENGINEER.
8. FILTER FENCING SHALL BE INSTALLED WHERE SHOWN ON THE PLAN, OR AS MARKED IN THE FIELD BY THE ENGINEER, PRIOR TO COMMENCEMENT OF WORK. ALL FENCING SHALL BE INSPECTED DAILY DURING CONSTRUCTION AND AFTER EACH SIGNIFICANT RAINFALL EVENT UNTIL SITE HAS BEEN PERMANENTLY STABILIZED. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. REMOVAL OF TRAPPED SEDIMENT SHALL BE PERFORMED WHEN AMOUNTS REACH APPROXIMATELY 1/3 HEIGHT OF THE FENCE.
10. FILTER FENCING SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN REVEGETATED TO ORIGINAL CONDITION OR DIRECTED BY THE ENGINEER.

REFERENCE NO. _____

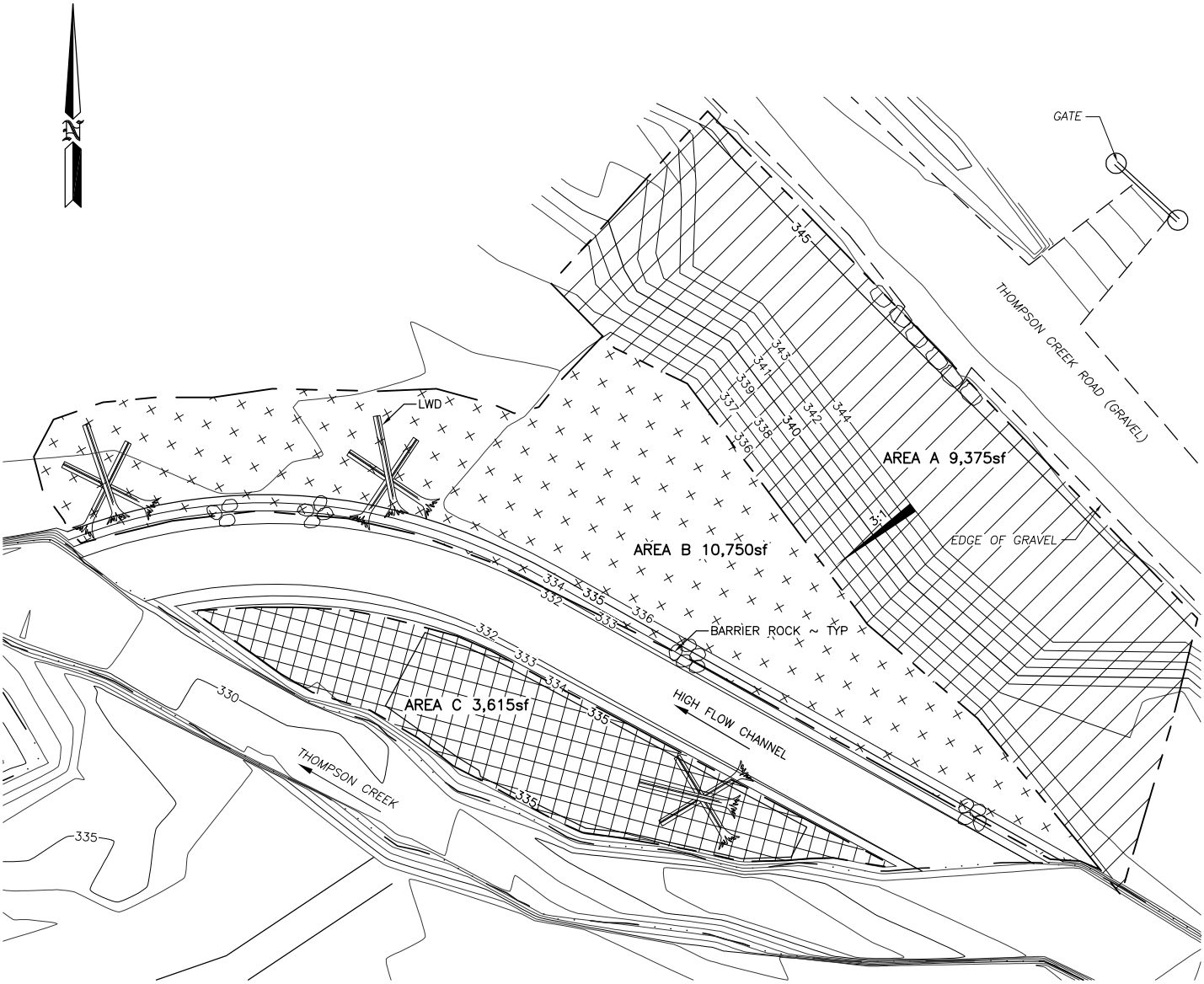
APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

THOMPSON CREEK
RIPARIAN RESTORATION
FILTER FABRIC FENCE

AT: BUCODA , WASHINGTON

DATE: 02/04/2011 SHEET 6 OF 7

ENG. PROJECT NO. TN:F230826:11-1




## PLANTING PLAN

SCALE: 1" = 40'

**MITIGATION AREAS A, B, C:**
TREAT AND REMOVE INVASIVE PLANT SPECIES BEFORE SITE CONSTRUCTION

**PLANTING NOTES:**

**AREA A**

1. SEED ENTIRE AREA WITH NATIVE GRASS SEED MIX. PLANT DOUGLAS MAPLE ON SLOPE.

**AREA B & C**

1. PLANT SHRUBS OF SAME SPECIES IN CLUSTERS OF THREE, FIVE OR SEVEN.
2. PLACE SHRUBS 4 FEET ON CENTER WITHIN EACH CLUSTER.
3. EVENLY SPACE CLUSTERS THROUGHOUT PLANTING AREA.
4. INTENT OF PLANTING ARRANGEMENT IS TO ENCOURAGE NATURAL, IRREGULAR PATCH FORMATION
5. PLACE BARK 4 INCHES THICK BY 2 FOOT RADIUS FOR EACH PLANT

ENG. PROJECT NO. TN:F230826:11-1

**MITIGATION PLANTING**

| AREA | AREA SF | PLANTINGS | QUANTITY |
|---|---|---|---|
| A | 9375 | NATIVE GRASS SEED | |
| | | DOUGLAS MAPLE | 25 |
| | | | |
| B | 10750 | RED OSIER DOGWOOD | 50 |
| | | PACIFIC NINE BARK | 50 |
| | | CASARA | 25 |
| | | INDIAN PLUM | 25 |
| | | | |
| C | 3,615 | RED OSIER DOGWOOD | 20 |
| | | SERVICE BERRY | 20 |

REFERENCE NO. _____

APPLICANT:
WASHINGTON DEPT. of FISH & WILDLIFE

THOMPSON CREEK
RIPARIAN RESTORATION
PLANTING PLAN

AT: BUCODA, WASHINGTON

DATE: 02/04/2011 SHEET 7 OF 7