

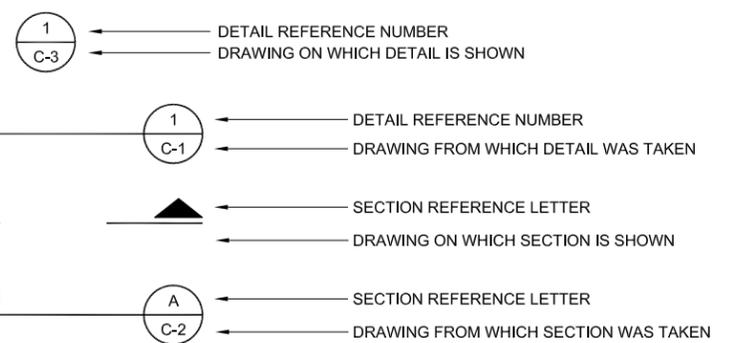
# WILKESON CREEK BANK STABILIZATION THE PUYALLUP TRIBE OF INDIANS PIERCE COUNTY, WASHINGTON

**CLIENT**  
THE PUYALLUP TRIBE OF INDIANS  
MANAGER, BLAKE SMITH  
6824 PIONEER WAY E  
PUYALLUP, WA 98371

**CIVIL ENGINEER**  
HERRERA ENVIRONMENTAL CONSULTANTS, PROJECT  
PROJECT MANAGER AND ENGINEER - CHRIS BRUMMER, PE  
PRINCIPAL ENGINEER - MICHAEL SPILLANE, PE  
2200 SIXTH AVENUE #1100  
SEATTLE WA 98121

**SHEET INDEX**

SHT NO.	DWG NO.	SHEET TITLE
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2	G-2	GENERAL NOTES
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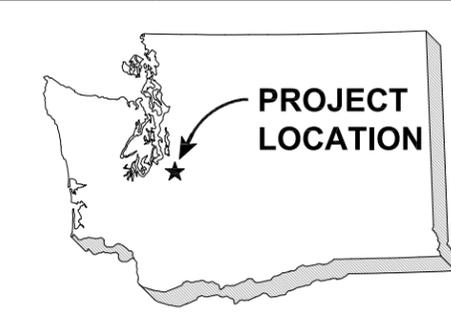
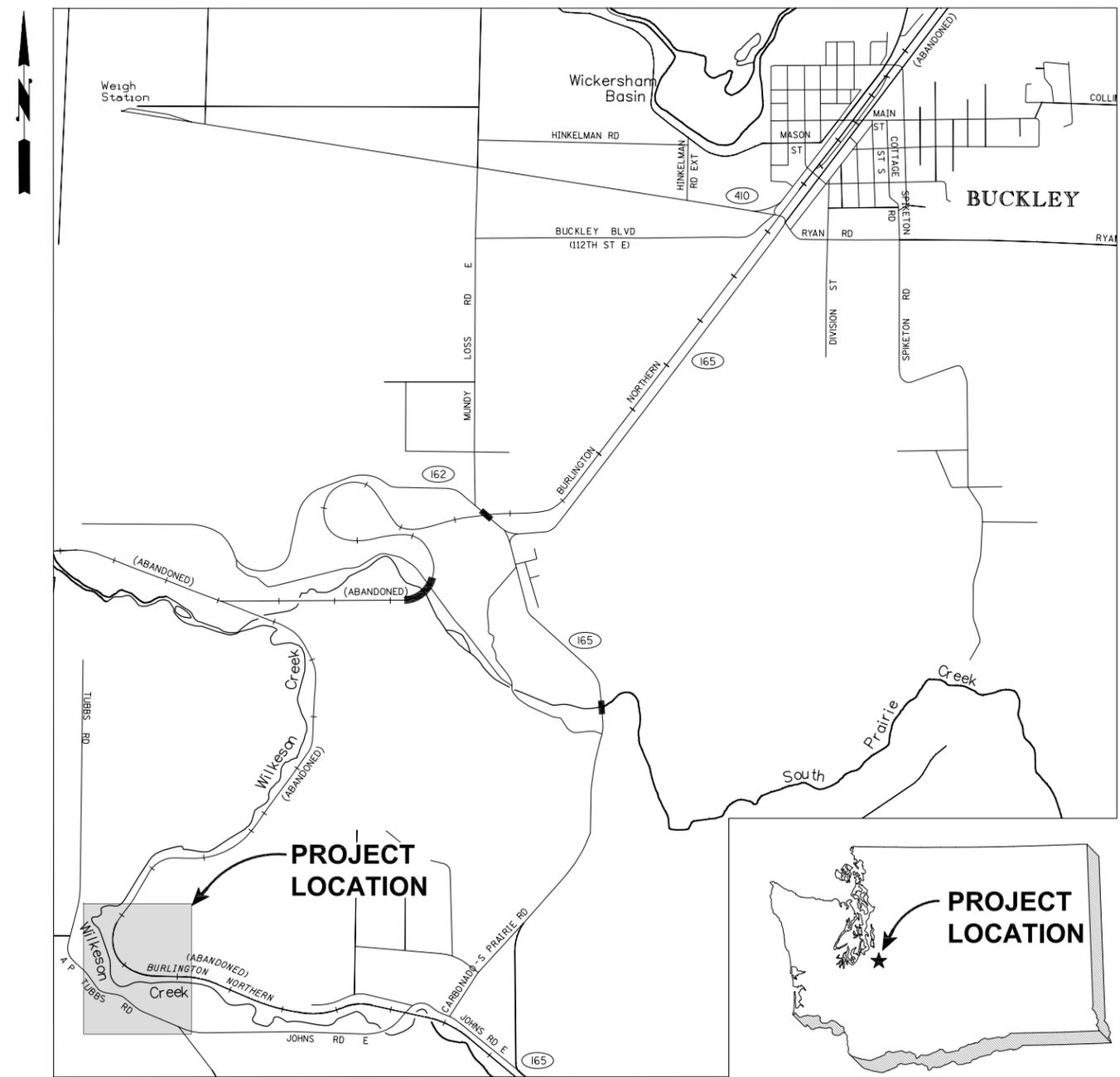
"1" INDICATES THAT THE DETAIL/SECTION IS SHOWN ON THE SAME SHEET

"TYP" INDICATES THAT THE DETAIL/SECTION IS UNIFORMLY TYPICAL THROUGHOUT PROJECT EXCEPT WHERE OTHERWISE NOTED

"VAR" SPECIFIES THAT DETAIL/SECTION WAS TAKEN FROM SEVERAL DRAWINGS

**NOTE AND DETAIL/SECTION REFERENCING**

ALL ELEVATIONS ARE NAVD 88 UNLESS NOTED OTHERWISE.



VICINITY MAP  
SCALE: NTS

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**PUYALLUP**  
**TRIBE OF INDIANS**



DESIGNED: M. BRENNAN	DRAWN: W. WIESZCZECINSKI
DESIGNED: G. KAYS	DRAWN: -
DESIGNED: -	CHECKED: C. BRUMMER
SCALE: AS NOTED	APPROVED: M. SPILLANE

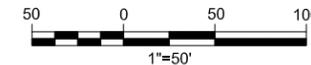
**WILKESON CREEK  
BANK STABILIZATION  
PUYALLUP TRIBE OF INDIANS**

VICINITY MAP AND TITLE SHEET

DATE: MAY 2010
PROJECT NO: 09-04300-000
DRAWING NO: <b>G-1</b>
SHEET NO: 1 OF 11

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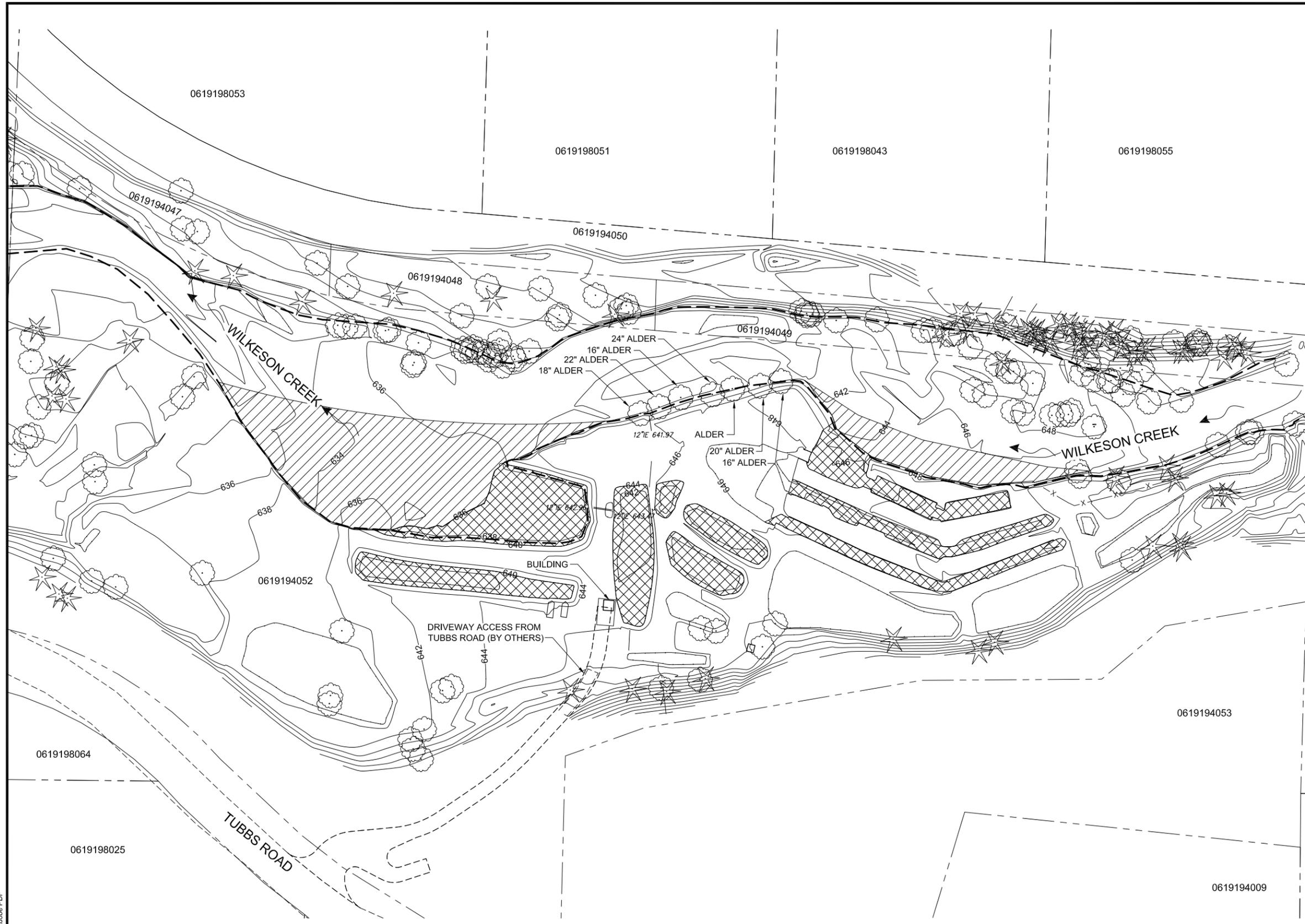


**LEGEND:**

0619198055	PARCEL NUMBER
---	PROPERTY LINE
650	EXISTING MAJOR CONTOUR 10-FT
646	EXISTING MINOR CONTOUR 2-FT
---	ROAD/SITE ACCESS
	TREE DECIDUOUS
	TREE CONIFEROUS
X-X	FENCE
---	ORDINARY HIGH WATER
	JAN 2009 BANK EROSION
	REMNANT FISH PONDS

**GENERAL NOTES:**

1. CONTOURS, TREES AND EXISTING FEATURES FROM SITE SURVEY (GOLDSMITH 06/2009).
2. ALL ELEVATIONS ARE IN FEET (NAVD 88).
3. PARCEL ID #'S FROM PIERCE COUNTY ASSESSOR (YEAR).
4. ORDINARY HIGH WATER BOUNDARY APPROXIMATED FROM MODELED 2-YEAR WATER SURFACE ELEVATION.
5. HISTORIC BANK LINES DENOTING RECENT BANK EROSION APPROXIMATED FROM AERIAL (USDA 2006).
6. PARCEL/PROPERTY LINES FROM PIERCE COUNTY ASSESSOR. LINES ARE APPROXIMATE.



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**DRAFT**

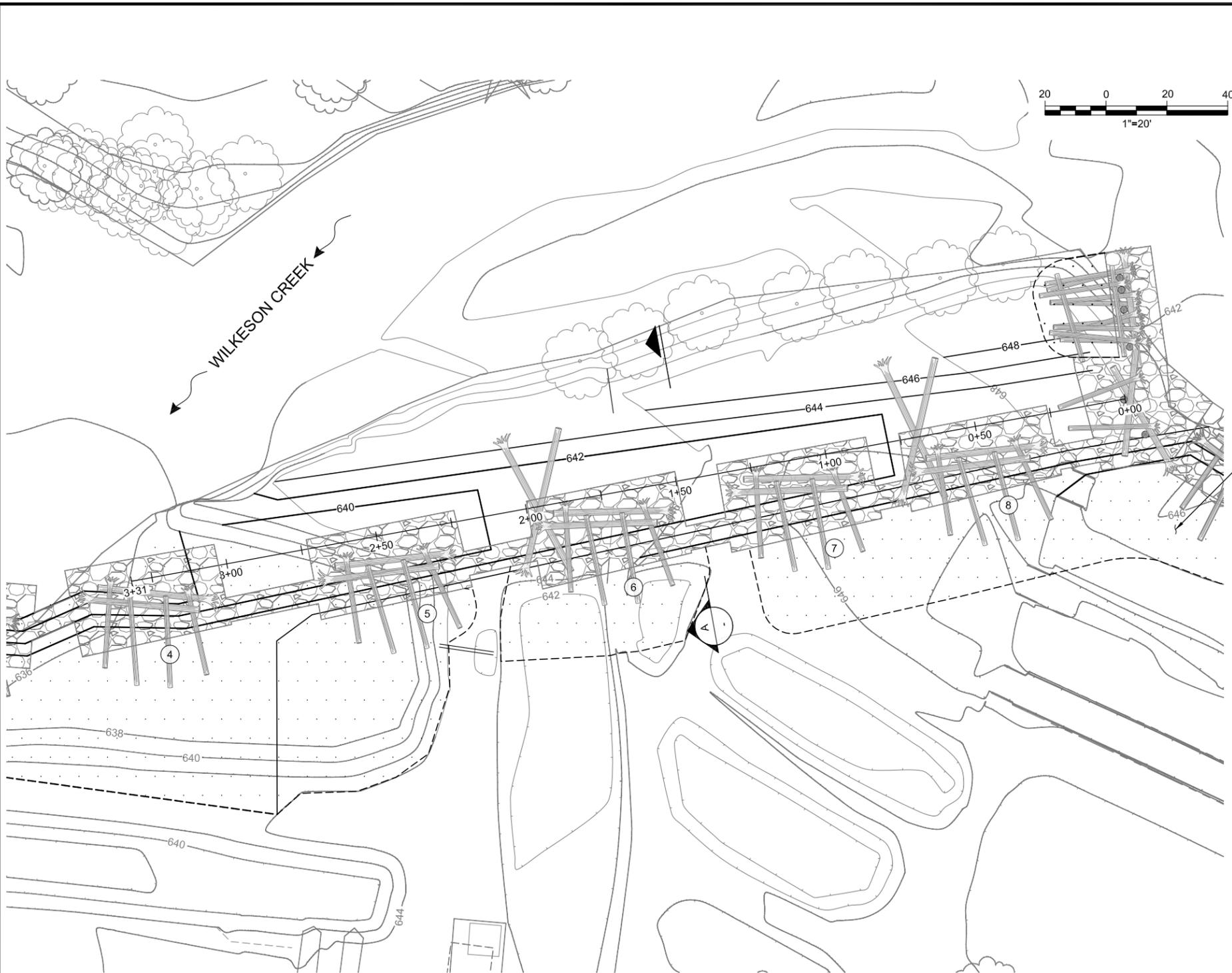
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DESIGNED: G. KAYS	DRAWN: -
DESIGNED: -	CHECKED: C. BRUMMER
SCALE: AS NOTED	APPROVED: M. SPILLANE

**WILKESON CREEK**  
**BANK STABILIZATION**  
**PUYALLUP TRIBE OF INDIANS**  
  
**EXISTING CONDITIONS**

DATE: MAY 2010
PROJECT NO: 09-04300-000
DRAWING NO: <b>C-1</b>
SHEET NO: 3 OF 11

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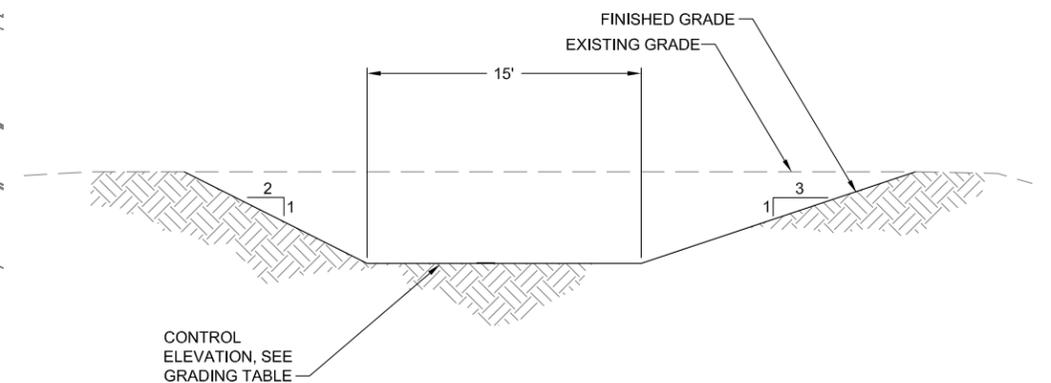
**OVERFLOW CHANNEL GRADING TABLE**

STATION	ELEVATION
0+00	643.0
0+25	643.0
1+00	641.8
2+00	640.1
3+00	638.4

**LEGEND:**

- EXISTING MAJOR CONTOUR 10-FT
- EXISTING MINOR CONTOUR 2-FT
- FINISHED MINOR CONTOUR 2-FT
- APPROXIMATE LIMITS OF BACKFILL
- LOG
- RIPRAP
- BACKFILL
- NATIVE SOIL
- BANK STRUCTURE NUMBER

BACKFILL REMNANT PONDS AND LOW AREAS AT AND NEAR STREAMBANKS WITH EXCAVATION MATERIAL



**OVERFLOW CHANNEL GRADING PLAN**  
SCALE: AS SHOWN

**OVERFLOW CHANNEL SECTION, TYP.**  
SCALE: 1"=5'

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TRIBE OF INDIANS

**DRAFT**  
CHRISTOPHER J. WILSON  
REGISTERED PROFESSIONAL ENGINEER  
NO. 10000

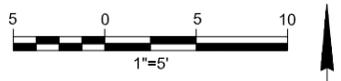
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DESIGNED: -	CHECKED: C. BRUMMER
SCALE: AS NOTED	APPROVED: M. SPILLANE

**WILKESON CREEK**  
**BANK STABILIZATION**  
PUYALLUP TRIBE OF INDIANS

**OVERFLOW CHANNEL GRADING PLAN**

DATE: MAY 2010
PROJECT NO: 09-04300-000
DRAWING NO: <b>C-3</b>
SHEET NO: 5 OF 11

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**LOG SCHEDULE:**

LOG TYPE	LENGTH (FEET)	DIAMETER (FEET)	ROOTWAD
1R	50	2	YES
2R	40	2	YES
3	30	1.5	NO
3R	30	1.5	YES
PILE	15	1.5	YES

**LEGEND:**

- EXISTING GRADE
- APPROXIMATE LIMITS OF EXCAVATION
- LOG
- LOG (BURIED)
- SLASH
- RIPRAP
- BACKFILL
- NATIVE SOIL
- LOG NUMBER

**BANK STRUCTURE LOG TABLE:**

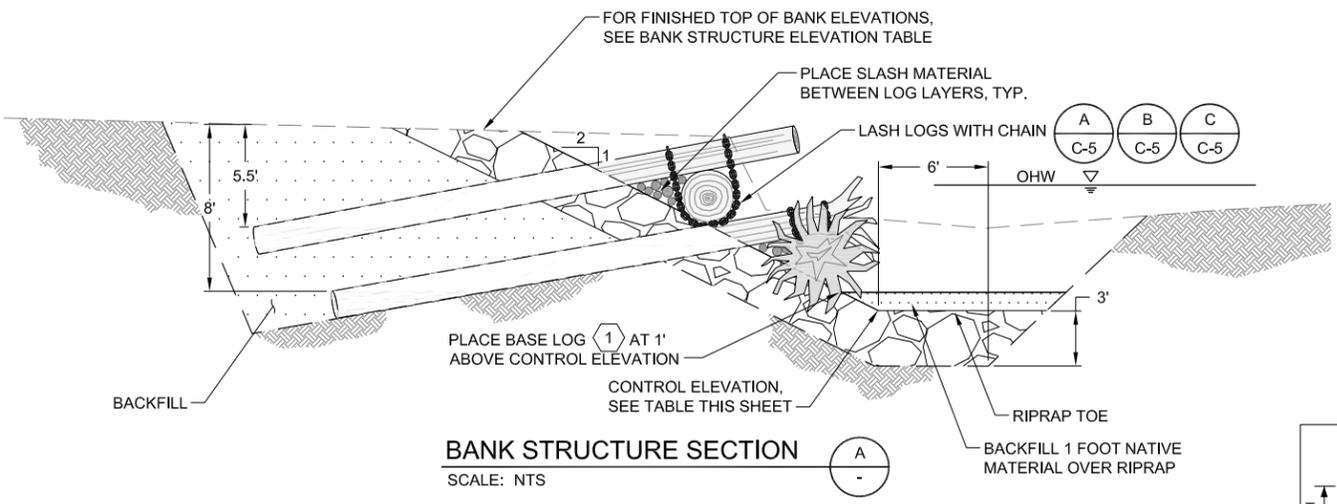
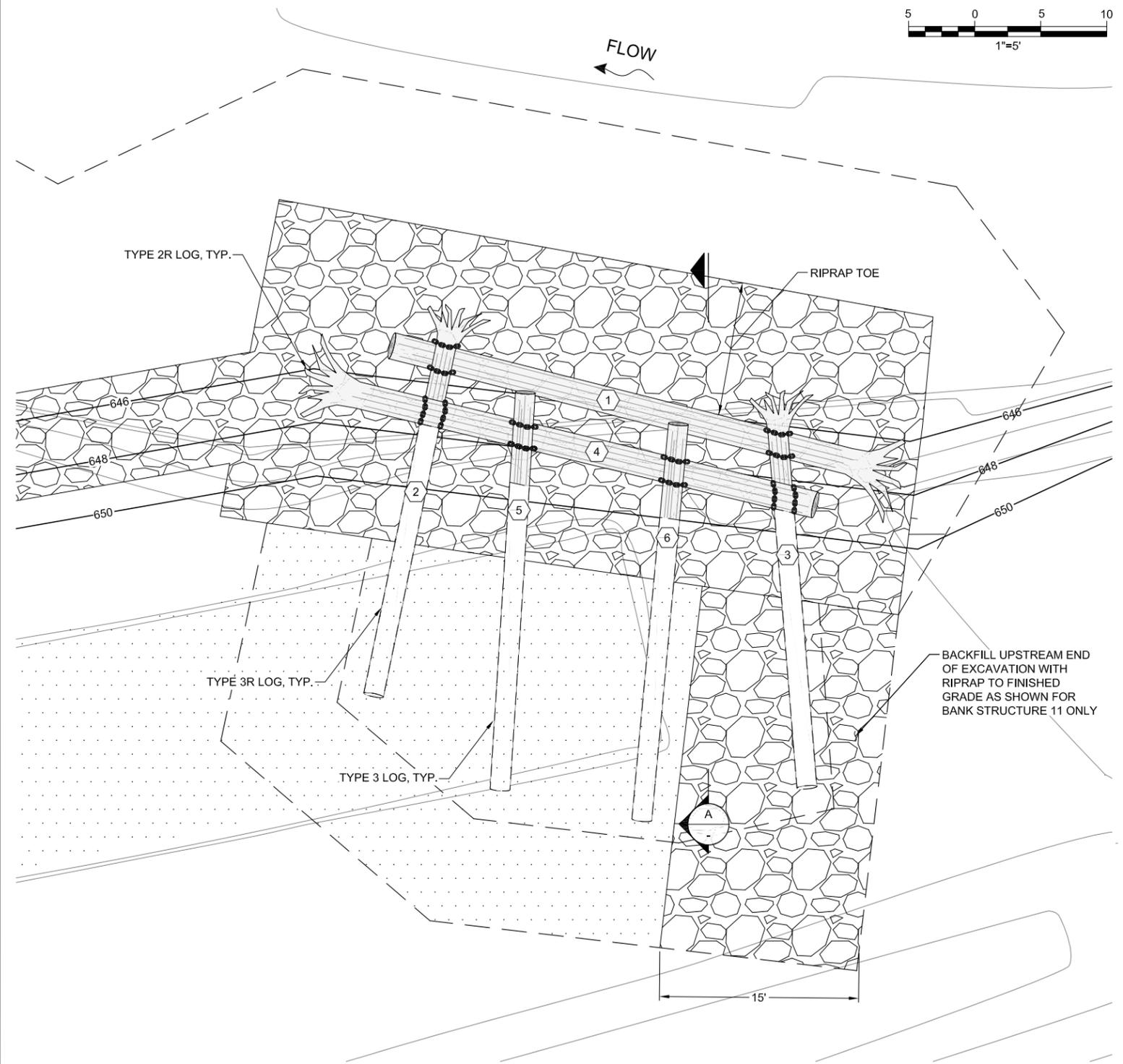
LOG NUMBER	LAYER	LOG TYPE	NOTES
①	1	2R	BASE OF LOG AT 2' ABOVE CONTROL ELEVATION
②	2	3R	CHAIN TO LOG 1
③	2	3R	CHAIN TO LOG 1
④	3	2R	CHAIN TO LOGS 2 AND 3
⑤	4	3	CHAIN TO LOG 4
⑥	4	3	CHAIN TO LOG 4

**BANK STRUCTURE ELEVATION TABLE:**

STRUCTURE NUMBER	TOP OF BANK ELEVATION	CONTROL ELEVATION
1	638.0	628.03
2	640.0	631.00
3	643.0	631.50
4	643.0	632.50
5	644.0	633.50
6	645.0	634.50
7	646.0	636.00
8	647.0	636.00
9	649.0	640.50
10	650.0	641.61
11	652.0	641.50

**GENERAL NOTES:**

- FILL RIPRAP VOIDS WITH NATIVE SOIL AND REVEGETATE STREAMBANK WITH NATIVE PLANTINGS.



**BANK STRUCTURE PLAN, TYP.**  
SCALE: AS SHOWN

**BANK STRUCTURE SECTION**  
SCALE: NTS

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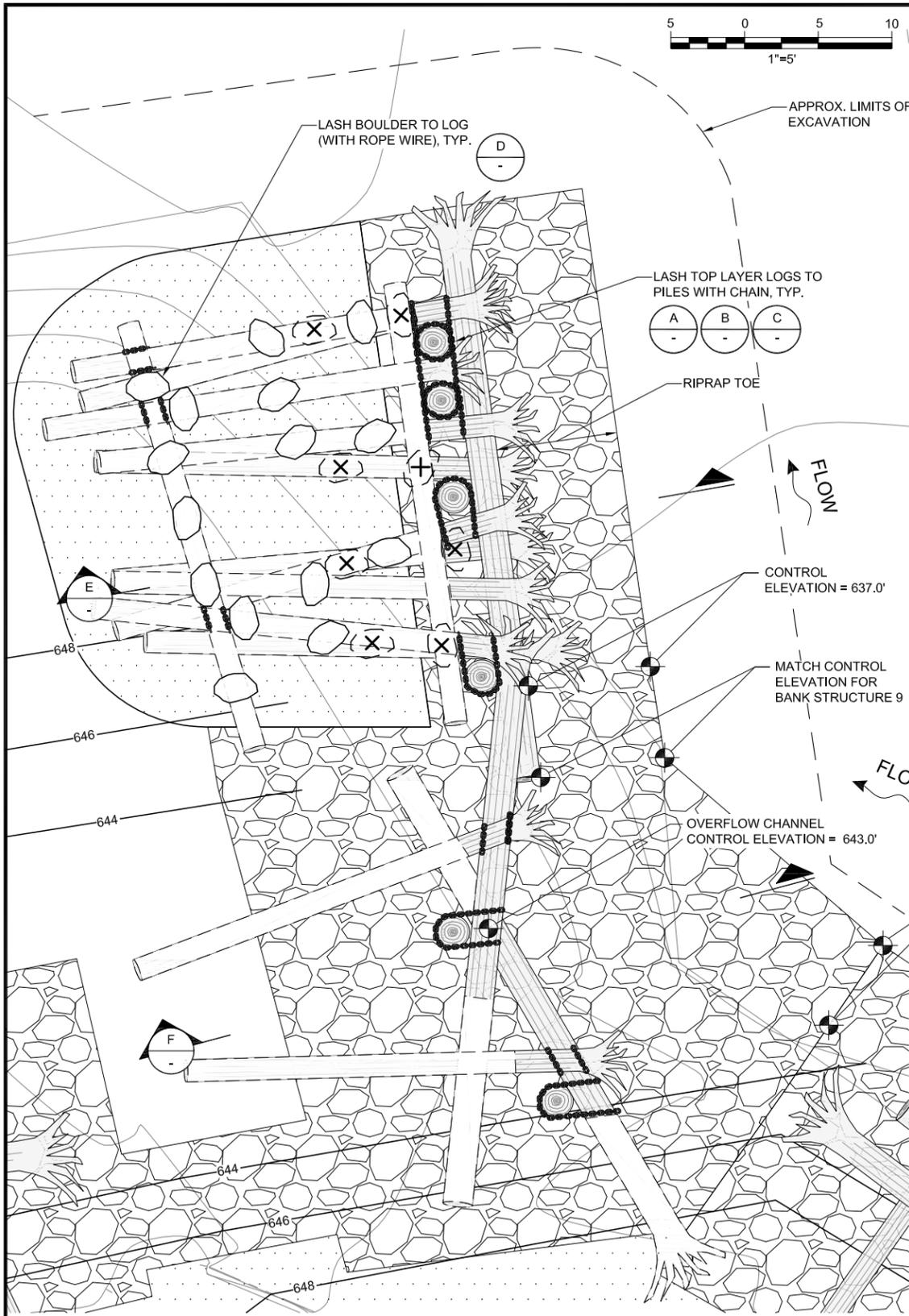
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**WILKESON CREEK**  
**BANK STABILIZATION**  
**PUYALLUP TRIBE OF INDIANS**

**BANK STRUCTURE PLAN AND DETAIL SHEET**

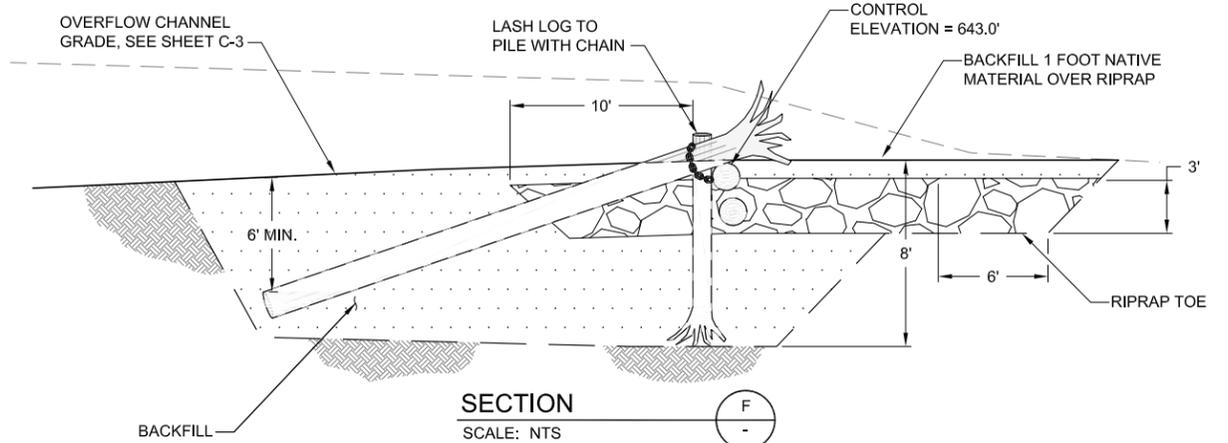
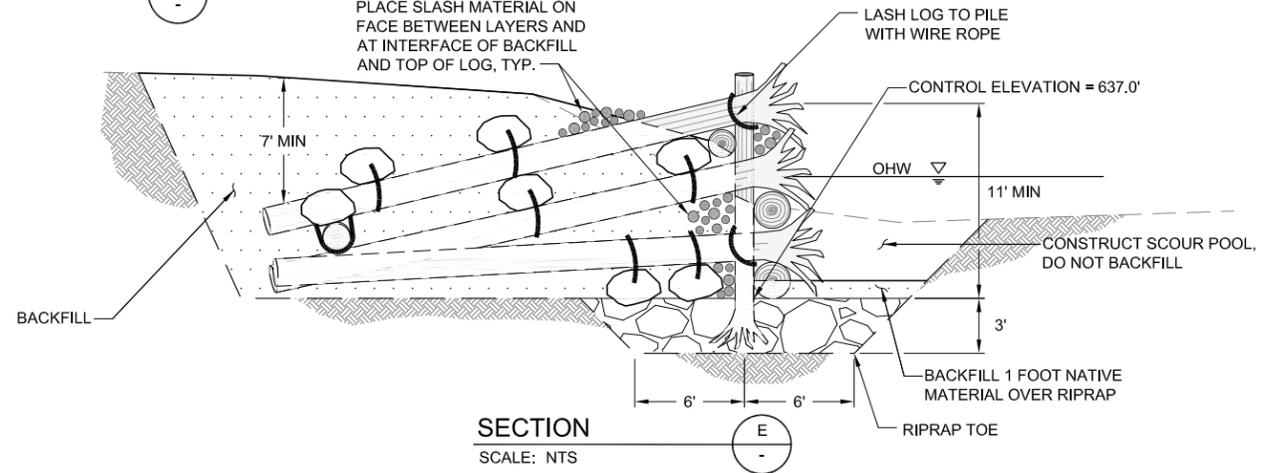
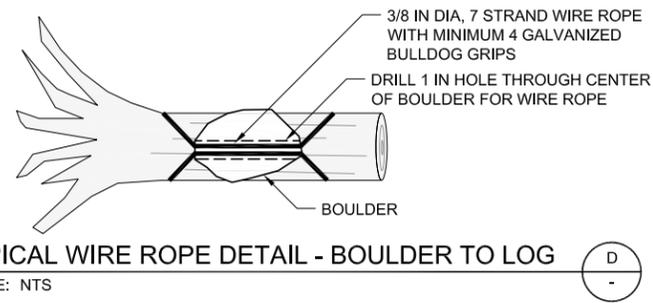
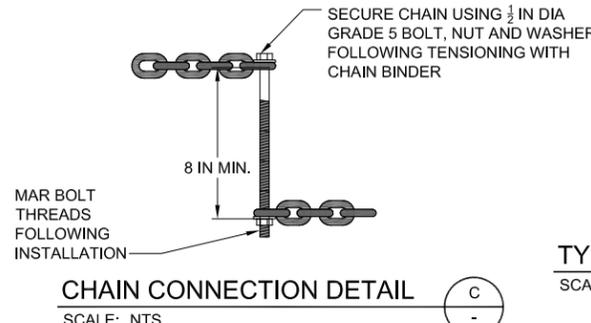
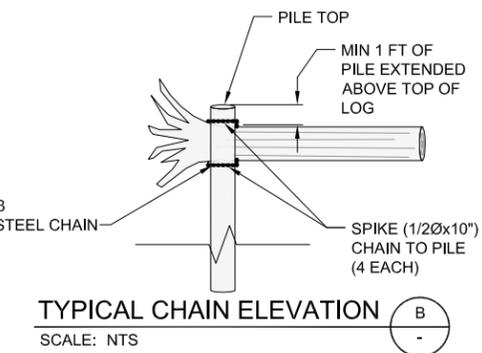
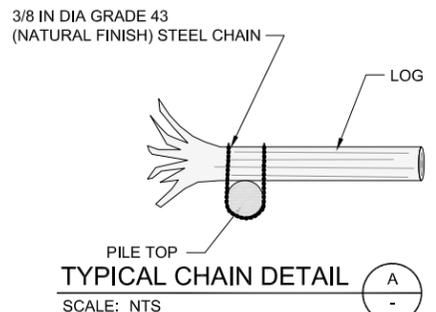
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SHEET NO: 6 OF 11

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**OVERFLOW CHANNEL ELJ PLAN**  
SCALE: AS SHOWN

1  
C-2



**LEGEND:**

	EXISTING GRADE
	APPROXIMATE LIMITS OF EXCAVATION
	LOG
	LOG (BURIED)
	BOULDER ABOVE LOG
	BOULDER UNDER LOG
	RIPRAP
	BACKFILL
	NATIVE SOIL

**GENERAL NOTES:**

- SEE DRAWING C-6 FOR LOG LAYERING PLAN.

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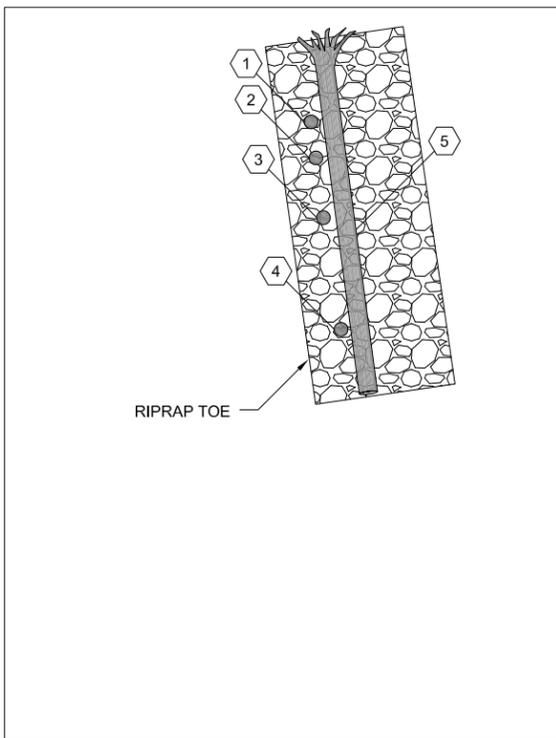
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**WILKESON CREEK  
BANK STABILIZATION  
PUYALLUP TRIBE OF INDIANS**

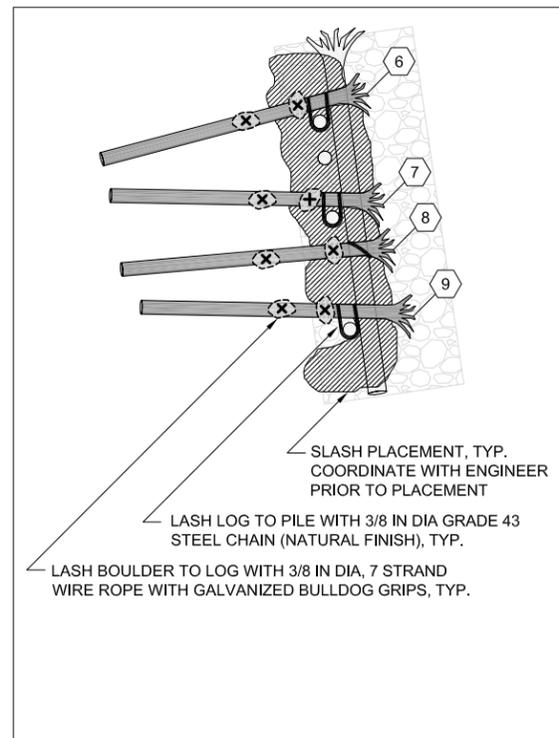
**OVERFLOW CHANNEL ELJ PLAN AND DETAIL  
SHEET**

DATE: MAY 2010
PROJECT NO: 09-04300-000
DRAWING NO: C-5
SHEET NO: 7 OF 11

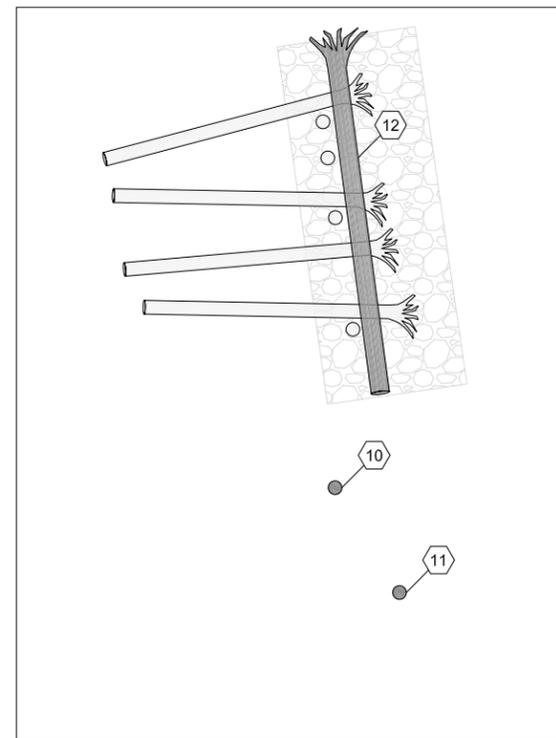
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LAYER 1



LAYER 2

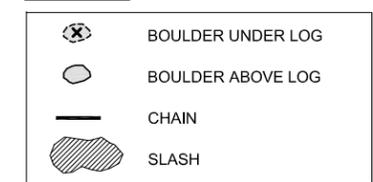


LAYER 3

LOG SCHEDULE:

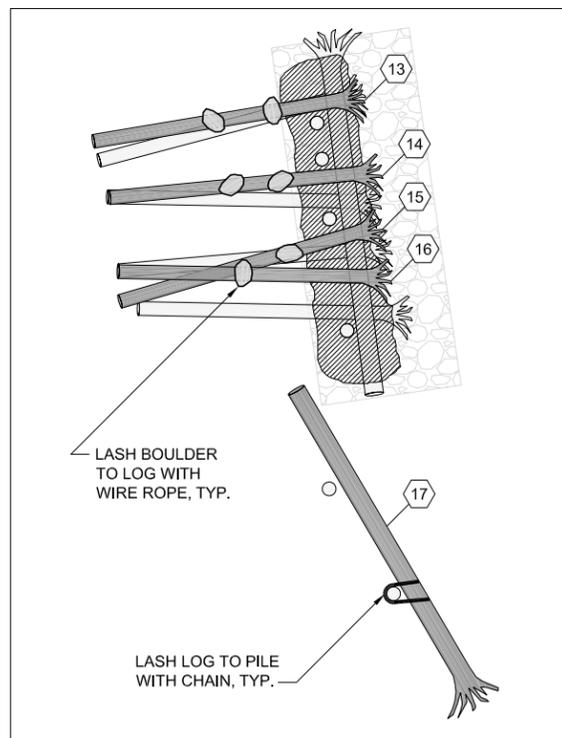
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2R	40	2	YES
3R	30	1.5	YES
3	30	1.5	NO
PILE	15	1.5	YES

LEGEND:

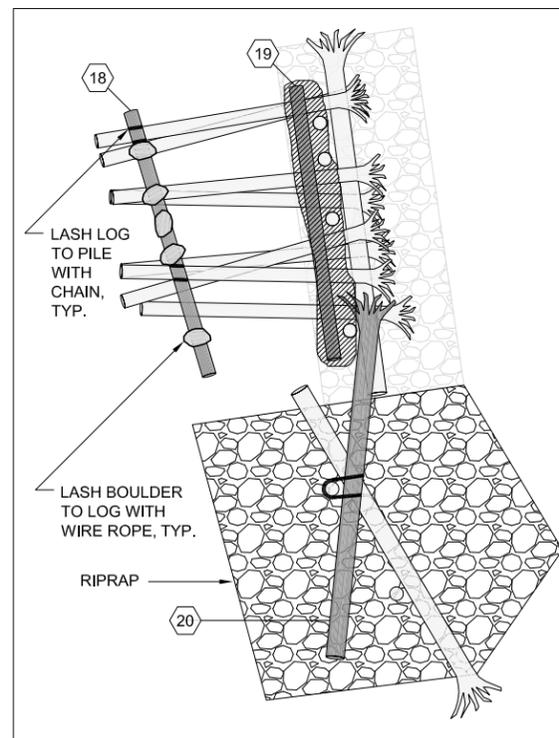


OVERFLOW CHANNEL ELJ LOG TABLE:

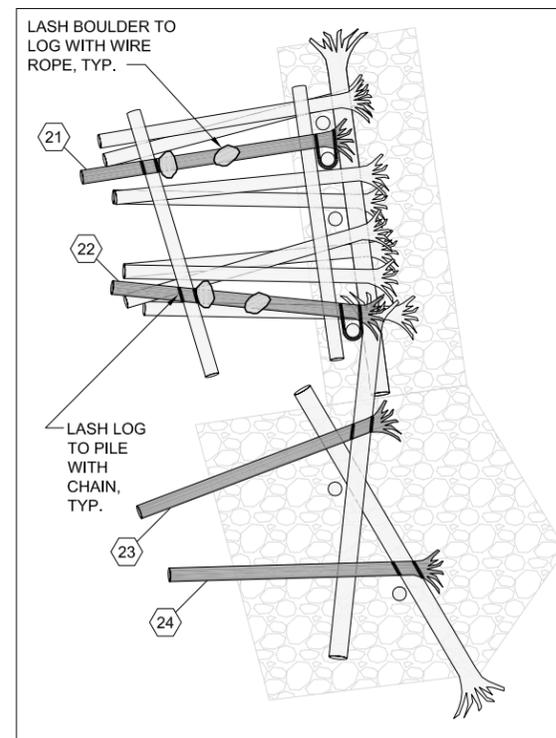
LOG NUMBER	LAYER	LOG TYPE	LOG NUMBER	LAYER	LOG TYPE
1	1	PILE	13	4	3R
2	1	PILE	14	4	3R
3	1	PILE	15	4	3R
4	1	PILE	16	4	3R
5	1	2R	17	4	2R
6	2	3R	18	5	3
7	2	3R	19	5	3
8	2	3R	20	5	2R
9	2	3R	21	6	3R
10	3	PILE	22	6	3R
11	3	PILE	23	6	3R
12	3	2R	24	6	3R



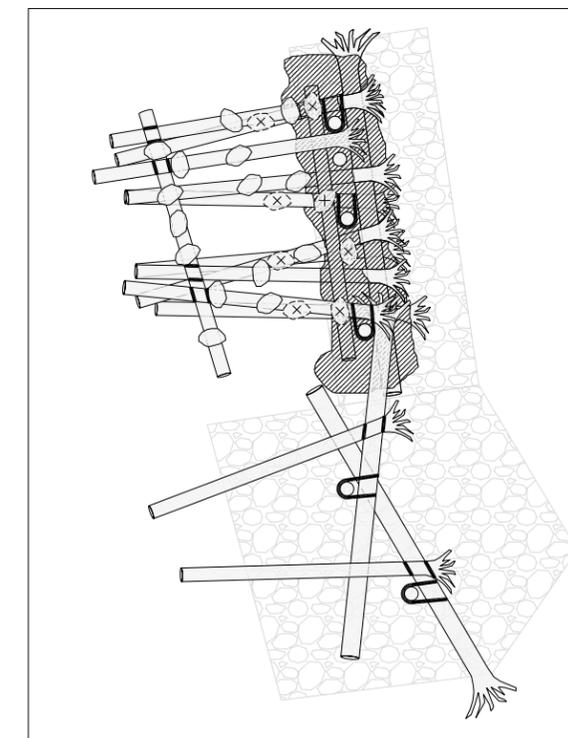
LAYER 4



LAYER 5



LAYER 6



COMPLETE

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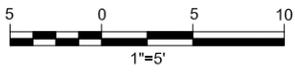


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DESIGNED: G. KAYS	DRAWN: -
DESIGNED: -	CHECKED: C. BRUMMER
SCALE: AS NOTED	APPROVED: M. SPILLANE

WILKESON CREEK  
 BANK STABILIZATION  
 PUYALLUP TRIBE OF INDIANS  
 OVERFLOW CHANNEL  
 ELJ LAYER PLAN

DATE: MAY 2010
PROJECT NO: 09-04300-000
DRAWING NO: C-6
SHEET NO: 6 OF 11

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**LOG SCHEDULE:**

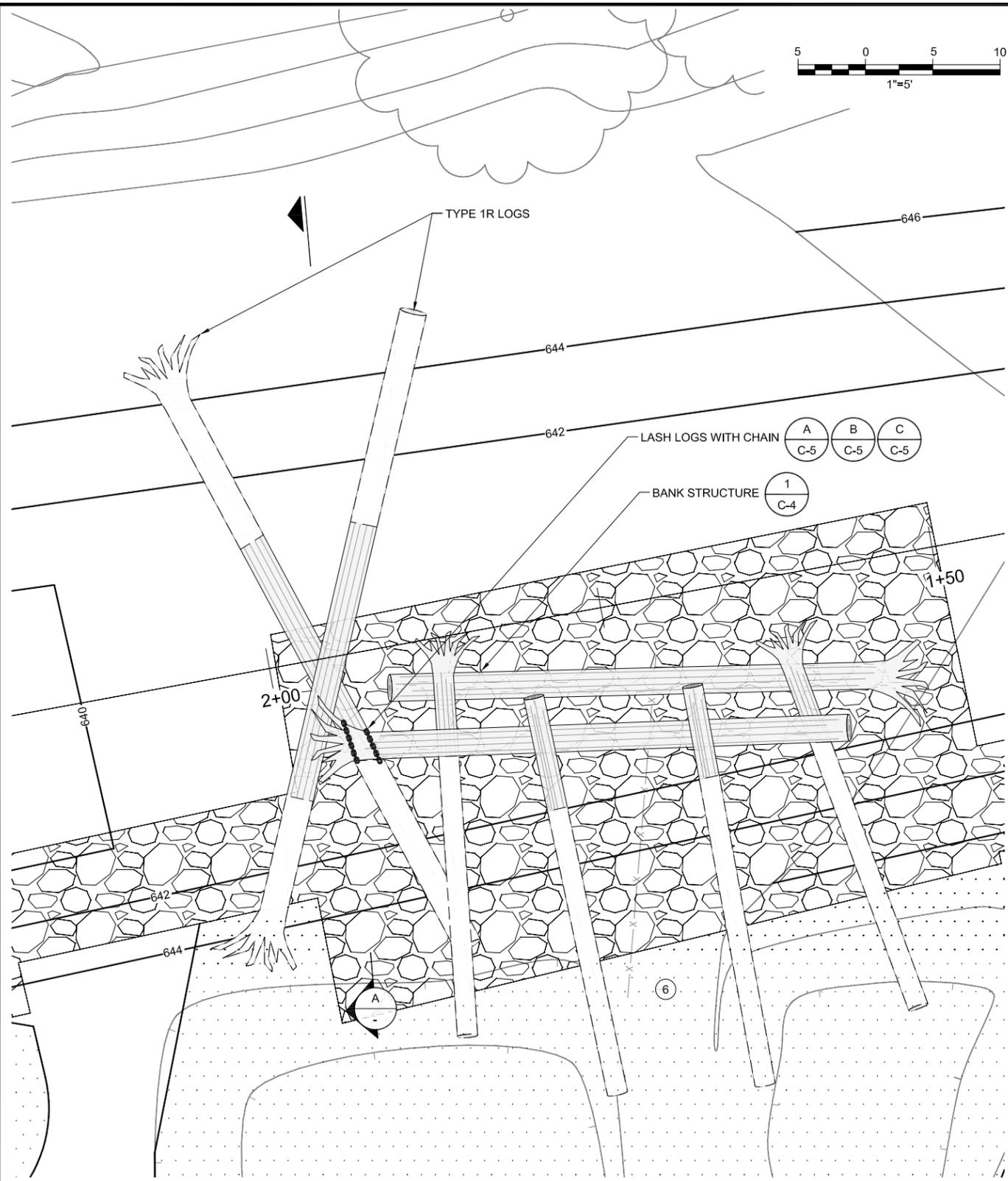
LOG TYPE	LENGTH (FEET)	DIAMETER (FEET)	ROOTWAD
1R	50	2	YES
2R	40	2	YES
3	30	1.5	NO
3R	30	1.5	YES
PILE	15	1.5	YES

**GENERAL NOTES:**

- BACKFILL GRADE CONTROL LOGS WITH COARSE SEDIMENT FROM BANK STRUCTURE EXCAVATION.

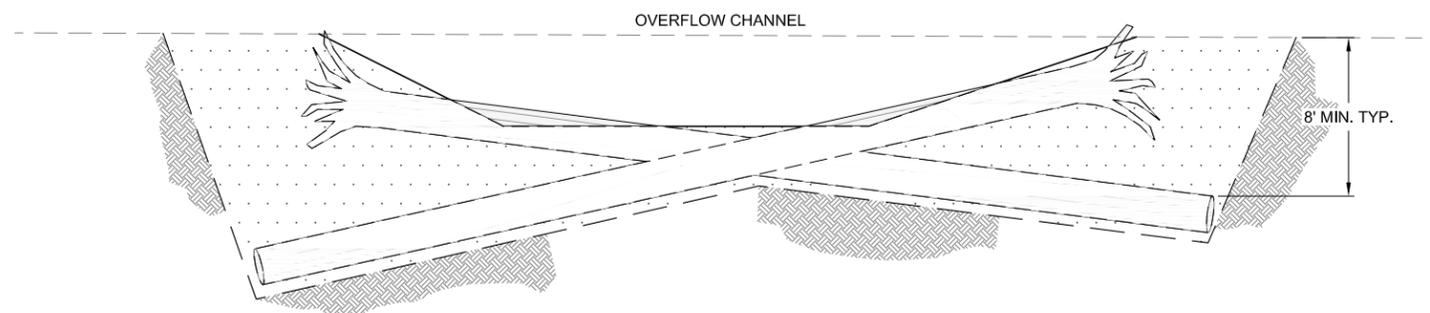
**LEGEND:**

- EXISTING GRADE
- APPROXIMATE LIMITS OF EXCAVATION
- LOG
- LOG (BURIED)
- RIPRAP
- BACKFILL
- NATIVE SOIL
- BANK STRUCTURE NUMBER



**GRADE CONTROL STRUCTURE PLAN, TYP.**  
SCALE: AS SHOWN

1  
C-2



**GRADE CONTROL STRUCTURE SECTION, TYP.**  
SCALE: NTS

A  
-

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**PUYALLUP**  
**TRIBE OF INDIANS**

**DRAFT**

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DESIGNED: G. KAYS	DRAWN: -
DESIGNED: -	CHECKED: C. BRUMMER
SCALE: AS NOTED	APPROVED: M. SPILLANE

**WILKESON CREEK**  
**BANK STABILIZATION**  
**PUYALLUP TRIBE OF INDIANS**

**GRADE CONTROL STRUCTURE PLAN AND  
DETAIL SHEET**

DATE: MAY 2010
PROJECT NO: 09-04300-000
DRAWING NO: C-7
SHEET NO: 9 OF 11

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