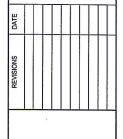


ELEVATION TO ENGAGE FLOODPLAIN MORE

3. IF 10' DEPTH CAN NOT BE ACHIEVED, MAX HEIGHT OF VERTICAL POST ABOVE JAM CAN NOT



DRAFT 60% SUBMITTAL NOT FOR CONSTRUCTION



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CREEK RIVER RESTORATION PROJECT RIVER MILE 6.5 TO 7.3 YAKAMA NATION

ELJ: PLAN, SECTION AND DETAILS SWAUK DATE: 12/2010 DESIGNED BY: G.FOWLER T. NAGLE CHECKED BY: T. ABBE

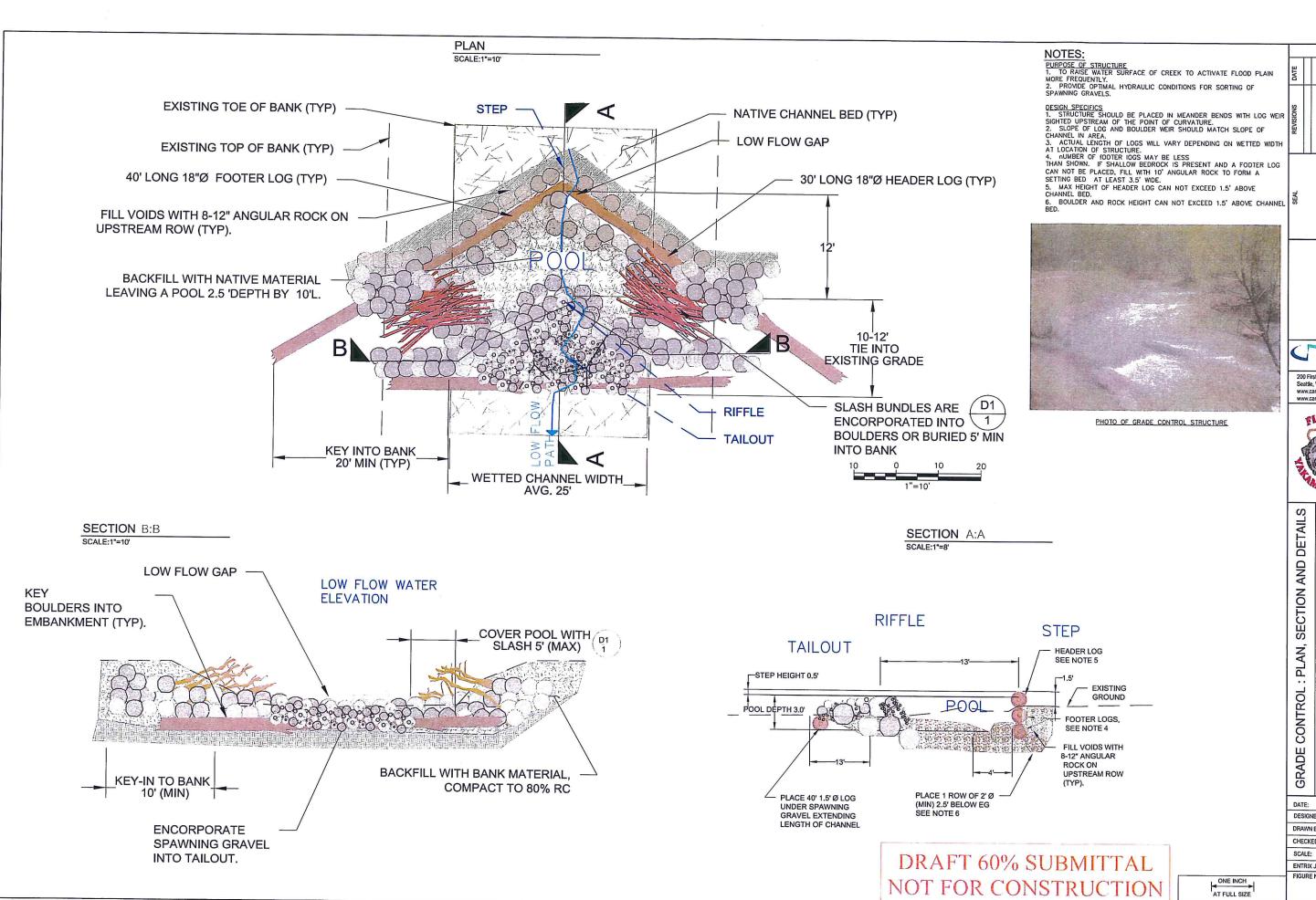
AS NOTED

ONE INCH

FIGURE NO. D2

ENTRIX JOB NO. 42294003

SCALE:



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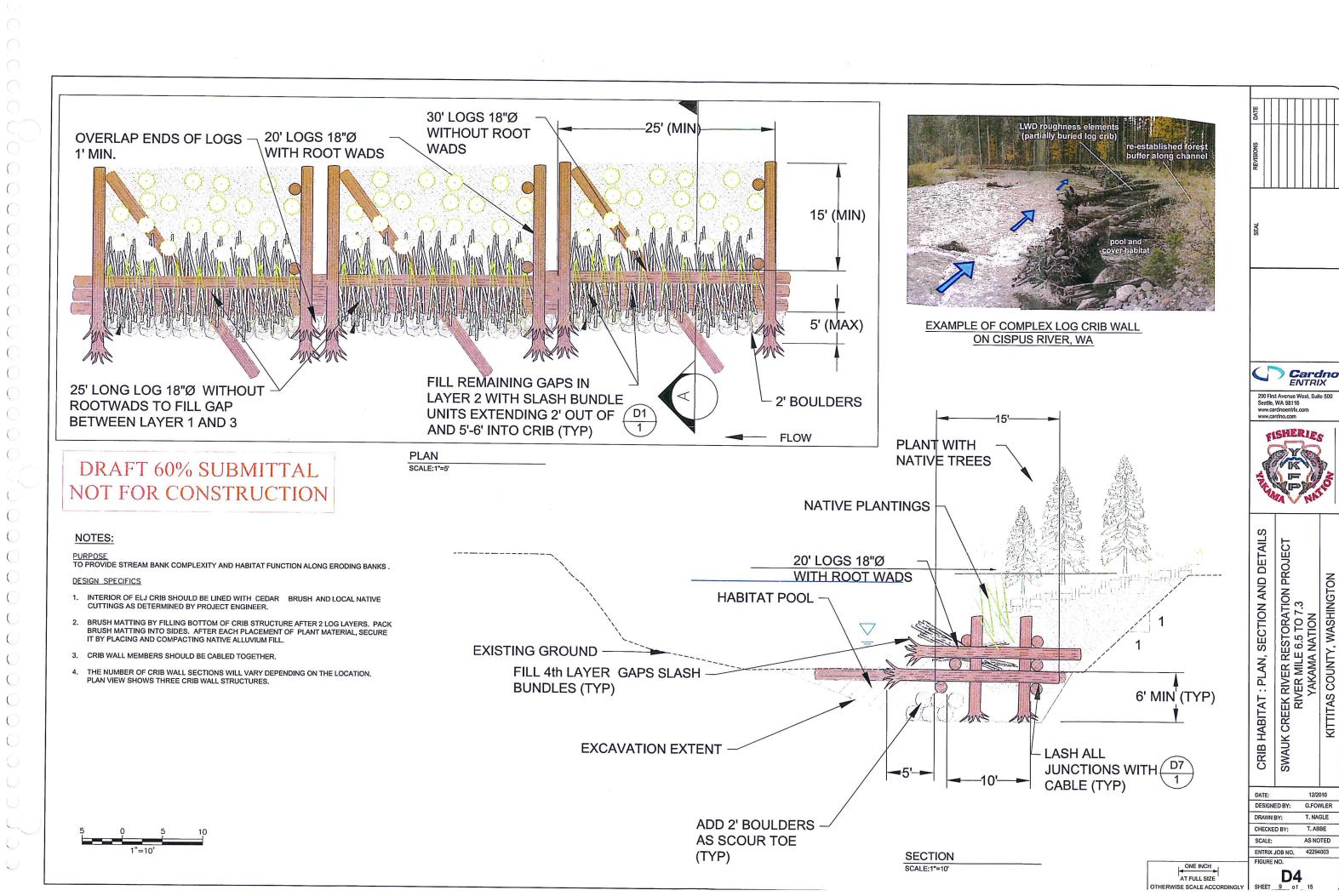


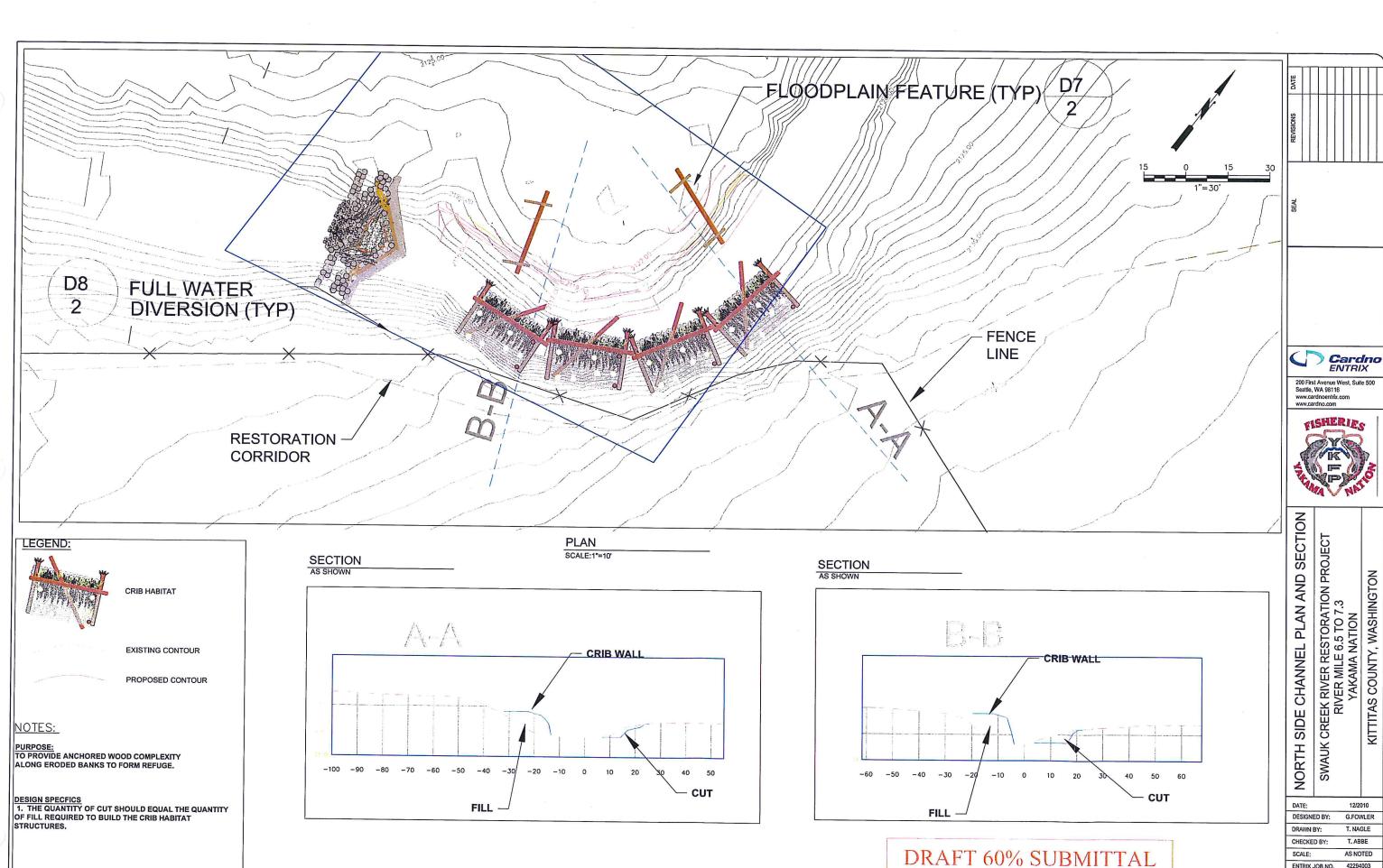
SWAUK CREEK RIVER RESTORATION PROJECT RIVER MILE 6.5 TO 7.3 YAKAMA NATION

-	DATE:	12/2010
	DESIGNED BY:	G.FOWLER
-	DRAWN BY:	T. NAGLE
-	CHECKED BY:	T. ABBE
Ì	SCALE:	AS NOTED
1	ENTRIX JOB NO.	42294003
\dashv	FIGURE NO.	

HERWISE SCALE ACCORDINGLY

D3





ONE INCH

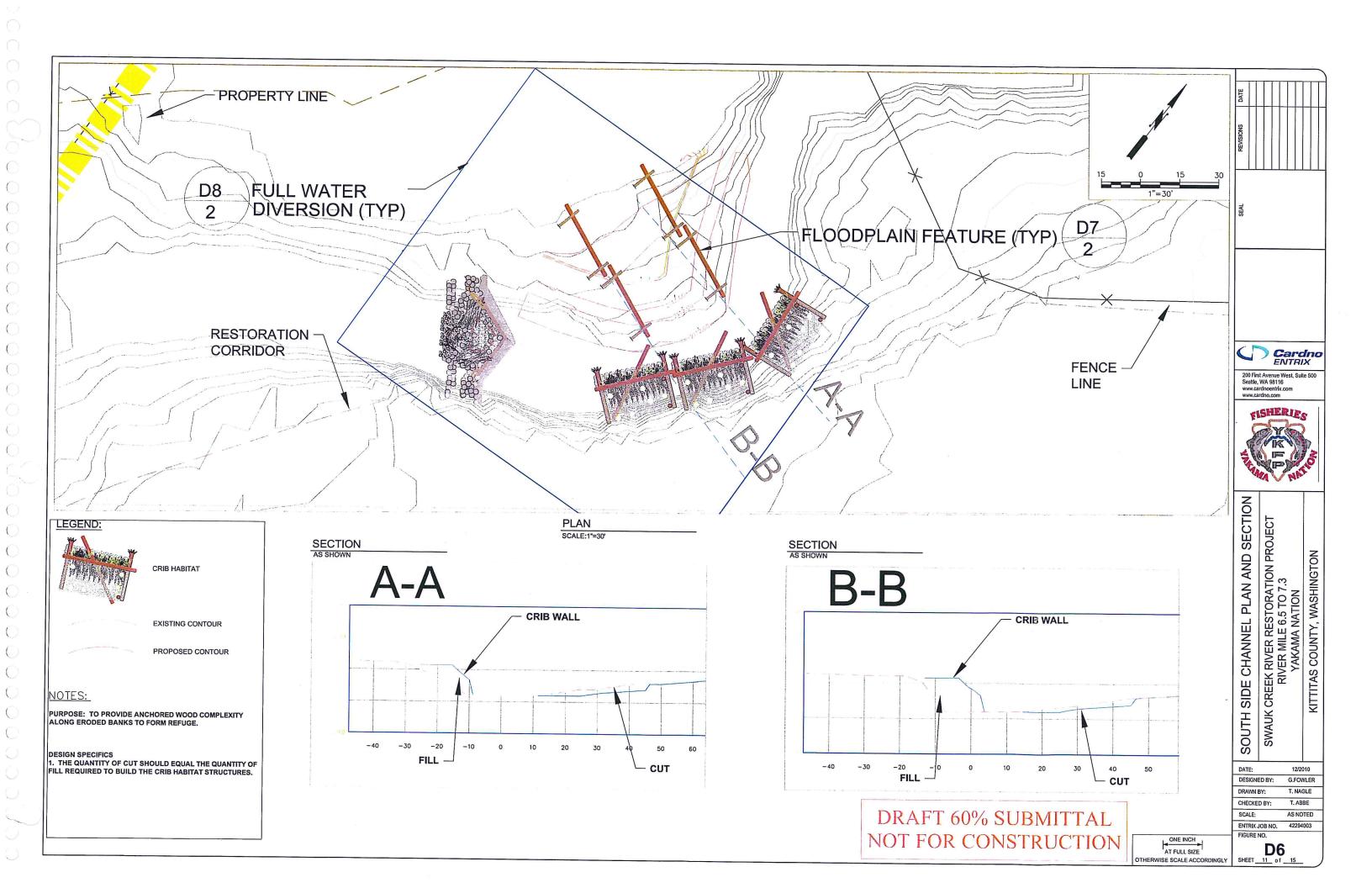
AT FULL SIZE

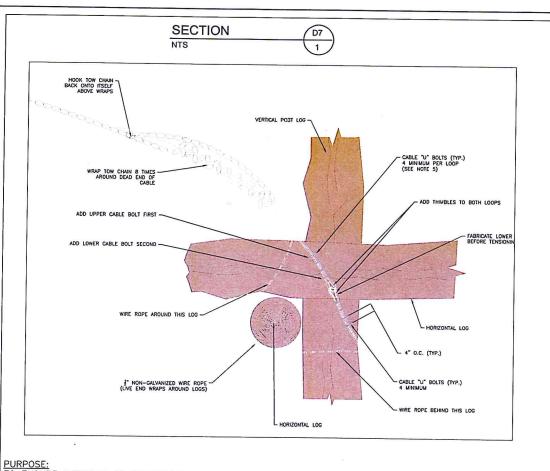
OTHERWISE SCALE ACCORDINGLY

NOT FOR CONSTRUCTION

G.FOWLER SCALE: ENTRIX JOB NO. 42294003 **D5**

SHEET 10 of 15





TO ENSURE INTEGRITY OF STRUCTURE IN ORDER TO RETAIN BALLAST. POTENTIAL OF SHALLOW DEPTH TO BEDROCK PREVENTS OPTIMAL EXCAVATION DEPTH TO BE ACHIEVED.

D7

FORM LOOP AT END OF CABLE. SECURE LOOP WITH "U" BOLTS.
TIGHTEN BOLTS TO 45 FT LBS.
LOOP CABLE AROUND LOGS AS SHOWN. RUN CABLE TROUGH FIRST LOOP.

4. HAND TENSION FREE END OF CABLE.

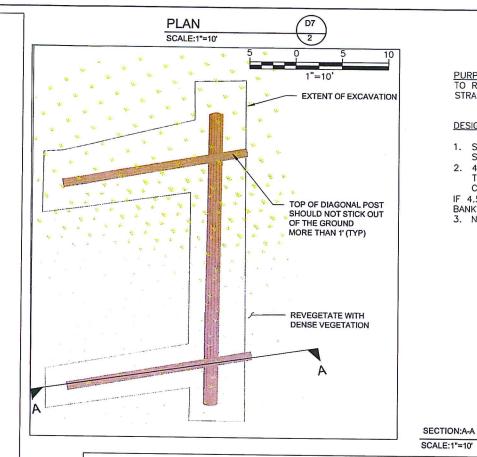
5. HAND TIGHTEN "U" BOLTS.

6. TENSION TOW CHAIN TILL CABLE BITES INTO LOGS (1000 POUNDS ON THE CABLE).
7. TIGHTEN BOLTS TO 45 FT LBS.

SECTION

NTS

USE SAME DIAMETER FOR CABLE CLAMPS AS
 AFTER TENSIONING THE CABLE, CUT EXCESS
 ADD U-BOLTS OVER THE DEAD END. LIVE WIRE END RESTS IN THE SADDLE OF THE CLIP.



PLACE 2 * 30' LONG, 1.5' Ø LOG WITHOUT ROOTWAD. TOP OF HEADER LOG MUST REMAIN 0.5' BELOW

TO REDUCE MEANDER BYPASS AND CHANNEL STRAIGHTENING.

DESIGN NOTES:

- EXISTING GROUND

EXTENT OF EXCAVATION

0.5' MIN BELOW PROPOSED GROU

STRUCTURE IS BURIED 6" UNDER THE PROPOSED SURFACE.

4.5' EXCAVATION DEPTH IS NEEDED. EXCAVATE A
TEST PIT TO ENSURE OPTIMAL EXCAVATION DEPTH
CAN BE OBTAINED.

IF 4.5' CAN NOT BE REACHED, SHIFT STRUCTURE BANKWARD AS APPROVED BY FIELD ENGINEER. 3. NO CABLEING IS NEEDED.

2





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CREEK RIVER RESTORATION PROJECT RIVER MILE 6.5 TO 7.3 YAKAMA NATION MISCELLANEOUS DETIALS

G.FOWLER
THACLE
I. NAGLE
T. ABBE
AS NOTED
42294003

ONE INCH AT FULL SIZE

ELEVATION VIEW: TYPICAL LAYER NTS 5*30'-40' LONG 15 * 3'-8' LONG * *12' DIA. LONG * 12' DIA.

RACKING MATERIAL SCHEDULE

Racking		Min Dia.		
Material	Length (ft)	(DBH) (in)	Rootwad	Total
1	Branches	2	N/A	15 YD3
2	10	6	NO	40
3	20	9	NO	40
4	25	12	OPTIONAL	25
5	40	12	OPTIONAL	15

DRAFT 60% SUBMITTAL NOT FOR CONSTRUCTION

EXTENT OF RACKING MATERIAL EXTENT OF EXCAVATION TYPICAL LAYER

KITTITAS

D7

SWAUK

