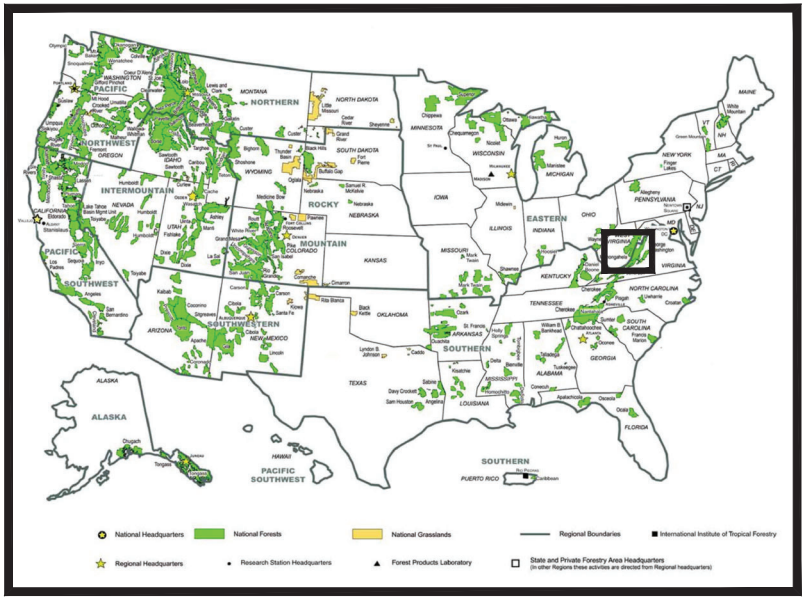
United States Department of Agriculture
Forest Service

WEST VIRGINIA STATE
TUCKER COUNTY
EASTERN REGION
MONONGAHELA NATIONAL FOREST
CHEAT - POTOMAC RANGER DISTRICT

Elk Lick Dam Decommissioning & Restoration



FOREST LOCATION MAP
MONONGAHELA NATIONAL FOREST

PROJECT LOCATION MAP

TRAVEL DIRECTIONS:

FROM DOWNTOWN PARSONS, HEAD NORTHEAST ON 1ST STREET TOWARD WALNUT STREET FOR 0.3 MILES. TURN RIGHT ONTO CENTRAL AVE. AND IN 95FT TURN LEFT AT THE 1ST CROSS STREET ONTO BILLINGS AVENUE. GO 1 MILE AND CONTINUE ONTO BROOKLYN HEIGHTS ROAD. GO 1.3 MILES AND TURN SLIGHT RIGHT ONTO FOREST ROAD 701. GO 2.6 MILES AND ARRIVE AT PARSONS DAM ON THE RIGHT.
N39.052018, E -79.669349

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RECOMMENDED BY:

BENJAMIN SHAFFER — Digitally signed by BENJAMIN SHAFFER Date: 2026.07.17 14:43:25 -04'00'
FOREST ENGINEER — DATE

Jon Morgan — Digitally signed by JONATHAN MORGAN Date: 2026.07.17 14:56:17 -04'00'
DISTRICT RANGER CYNTHIA SANDENO — Digitally signed by CYNTHIA SANDENO Date: 2026.07.17 15:58:40 -04'00'
FOREST SUPERVISOR — DATE

APPROVED:

JONATHAN HEYL — Digitally signed by JONATHAN HEYL Date: 2026.06.24 15:57:43 -05'00'
DIRECTOR OF ENGINEERING — DATE

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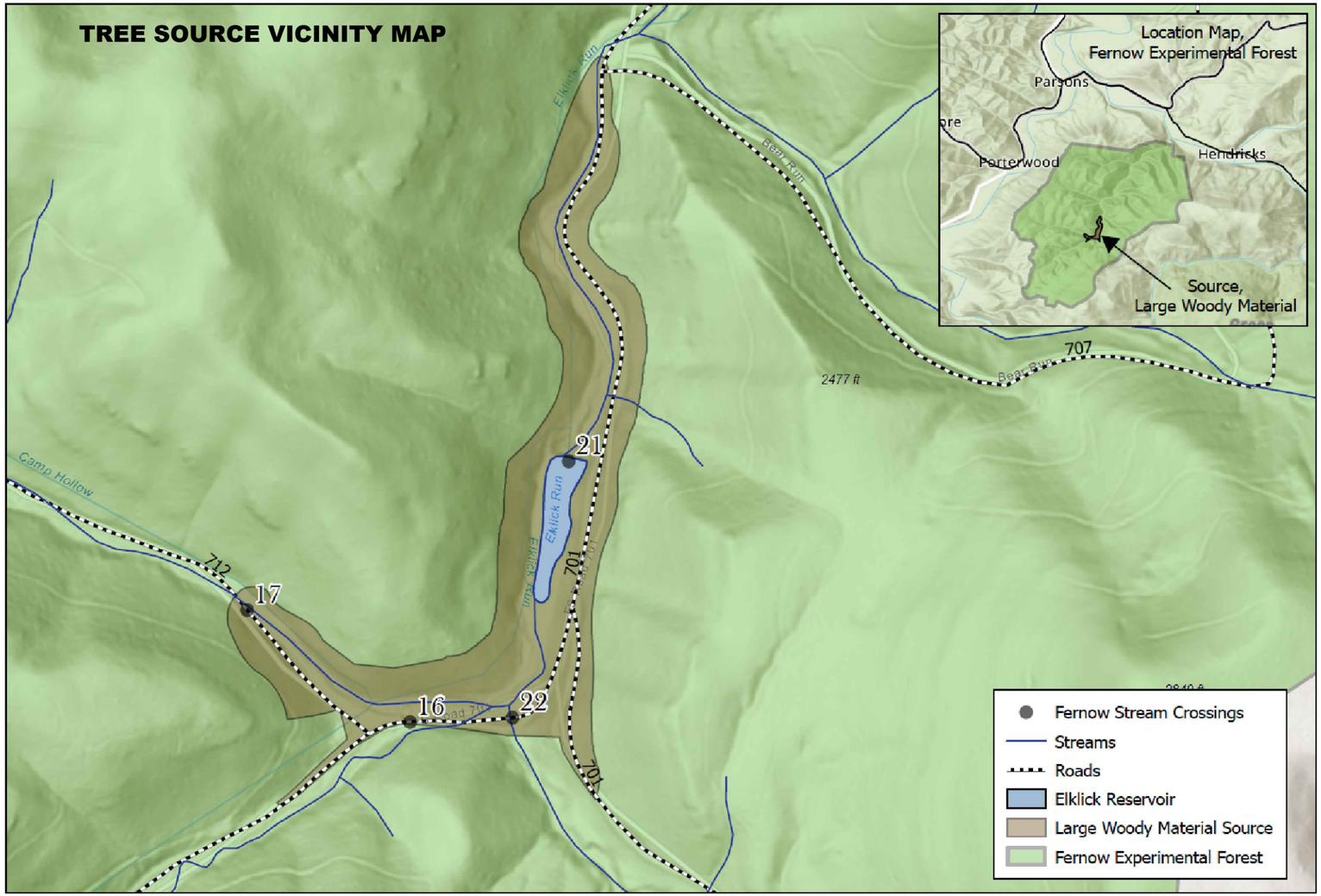

MNF GIS Shop
UTM, Zone 17
NAD 83
TMB
07/09/2024

Fernow Stream Crossings

Original data was compiled from multiple source data and may not meet the U.S. National Mapping Accuracy Standard of the Office of Management and Budget. This map has no warranties as to its contents or accuracy.

N W E S

0 500 1,000
Feet

NOTES:

THE LIMIT OF DISTURBANCE SHOWN ON THIS SHEET REPRESENTS THE APPROVED DISTURBANCE AREA FOR LARGE WOODY MATERIAL HARVESTING, ACCESS, TEMPORARY STOCKPILING, AND MOBILIZATION ASSOCIATED WITH THE PROJECT. DISTURBANCE OUTSIDE THIS LIMIT IS NOT AUTHORIZED UNLESS APPROVED BY THE COR AND SUPPORTED BY ANY REQUIRED ENVIRONMENTAL REVIEW.

THE CONTRACTOR SHALL MINIMIZE ACTUAL DISTURBANCE WITHIN THE LIMIT OF DISTURBANCE TO THE EXTENT PRACTICABLE. TO THE EXTENT PRACTICABLE, LARGE WOODY MATERIAL SHALL BE OBTAINED FIRST FROM TREES LOCATED WITHIN APPROVED LAYDOWN AREAS, TEMPORARY ACCESS AREAS, AND OTHER AREAS ALREADY REQUIRED FOR PROJECT CONSTRUCTION.

ADDITIONAL TREES MAY BE HARVESTED WITHIN THE DESIGNATED LIMIT OF DISTURBANCE AS NEEDED TO MEET THE LARGE WOOD STRUCTURE REQUIREMENTS. TREES TO BE HARVESTED SHALL BE DESIGNATED IN THE FIELD BY THE COR PRIOR TO HARVEST.

TREES, TOPS, LIMBS, AND BRANCHES NOT INCORPORATED INTO LARGE WOOD STRUCTURES SHALL BE PLACED, LOPPED, SCATTERED, OR STOCKPILED WITHIN THE LIMIT OF DISTURBANCE AS DIRECTED BY THE COR.

United States Department of Agriculture
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REGION 9
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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT - POTOMAC RANGER DISTRICT

DRAWING TITLE

LARGE WOOD SITES AND TREE SOURCE VICINITY MAP

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillps	DRAWING SHEET NO. C-01
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 2 OF 23

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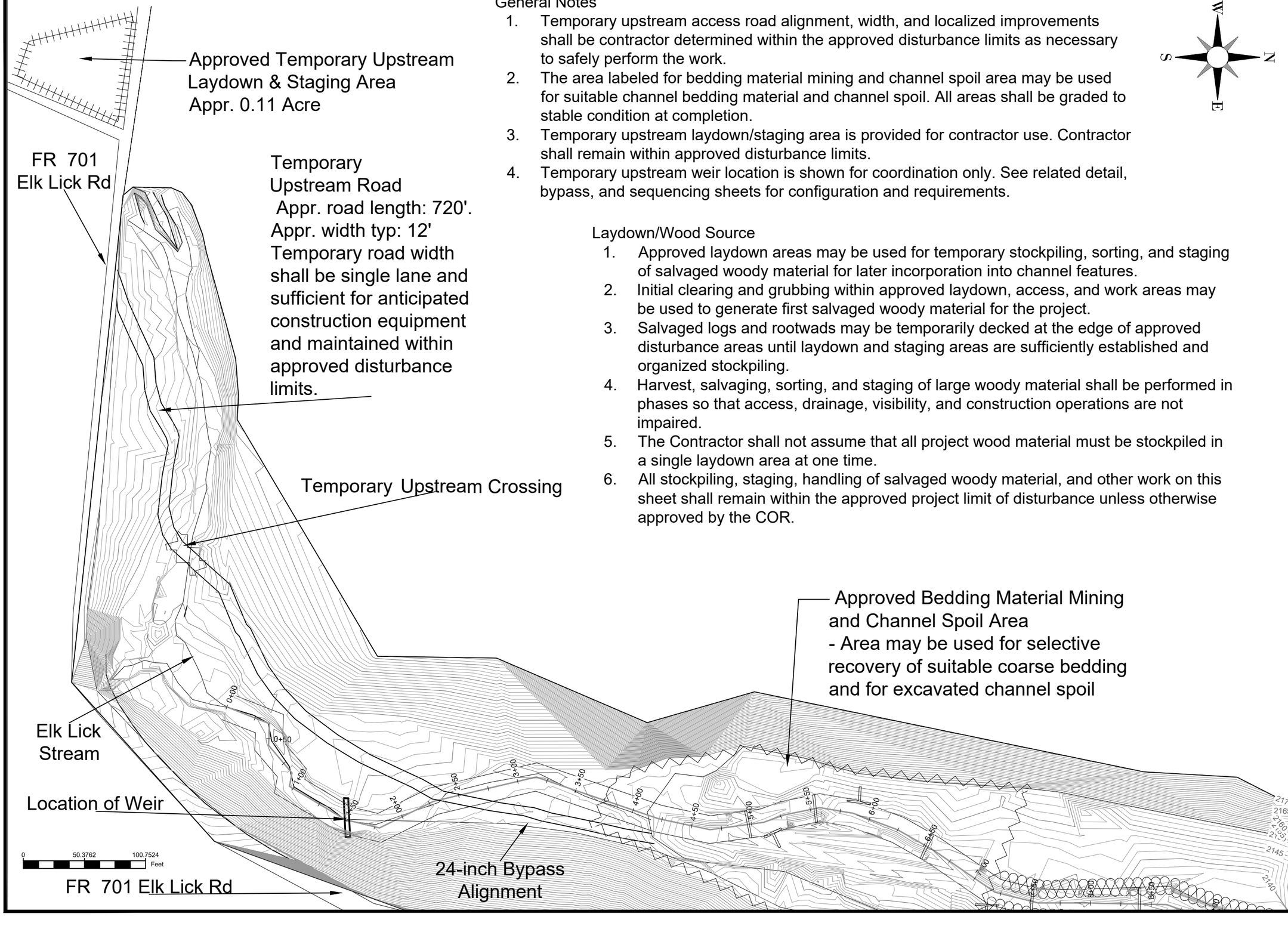

General Notes

1. Temporary upstream access road alignment, width, and localized improvements shall be contractor determined within the approved disturbance limits as necessary to safely perform the work.
2. The area labeled for bedding material mining and channel spoil area may be used for suitable channel bedding material and channel spoil. All areas shall be graded to stable condition at completion.
3. Temporary upstream laydown/staging area is provided for contractor use. Contractor shall remain within approved disturbance limits.
4. Temporary upstream weir location is shown for coordination only. See related detail, bypass, and sequencing sheets for configuration and requirements.

Laydown/Wood Source

1. Approved laydown areas may be used for temporary stockpiling, sorting, and staging of salvaged woody material for later incorporation into channel features.
2. Initial clearing and grubbing within approved laydown, access, and work areas may be used to generate first salvaged woody material for the project.
3. Salvaged logs and rootwads may be temporarily decked at the edge of approved disturbance areas until laydown and staging areas are sufficiently established and organized stockpiling.
4. Harvest, salvaging, sorting, and staging of large woody material shall be performed in phases so that access, drainage, visibility, and construction operations are not impaired.
5. The Contractor shall not assume that all project wood material must be stockpiled in a single laydown area at one time.
6. All stockpiling, staging, handling of salvaged woody material, and other work on this sheet shall remain within the approved project limit of disturbance unless otherwise approved by the COR.

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PROJECT NAME

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MONONGAHELA NATIONAL FOREST

CHEAT- POTOMAC RANGER DISTRICT

DRAWING TITLE

Upstream Access, Bypass Alignment, & Laydown Area

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-02
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 2 OF 23

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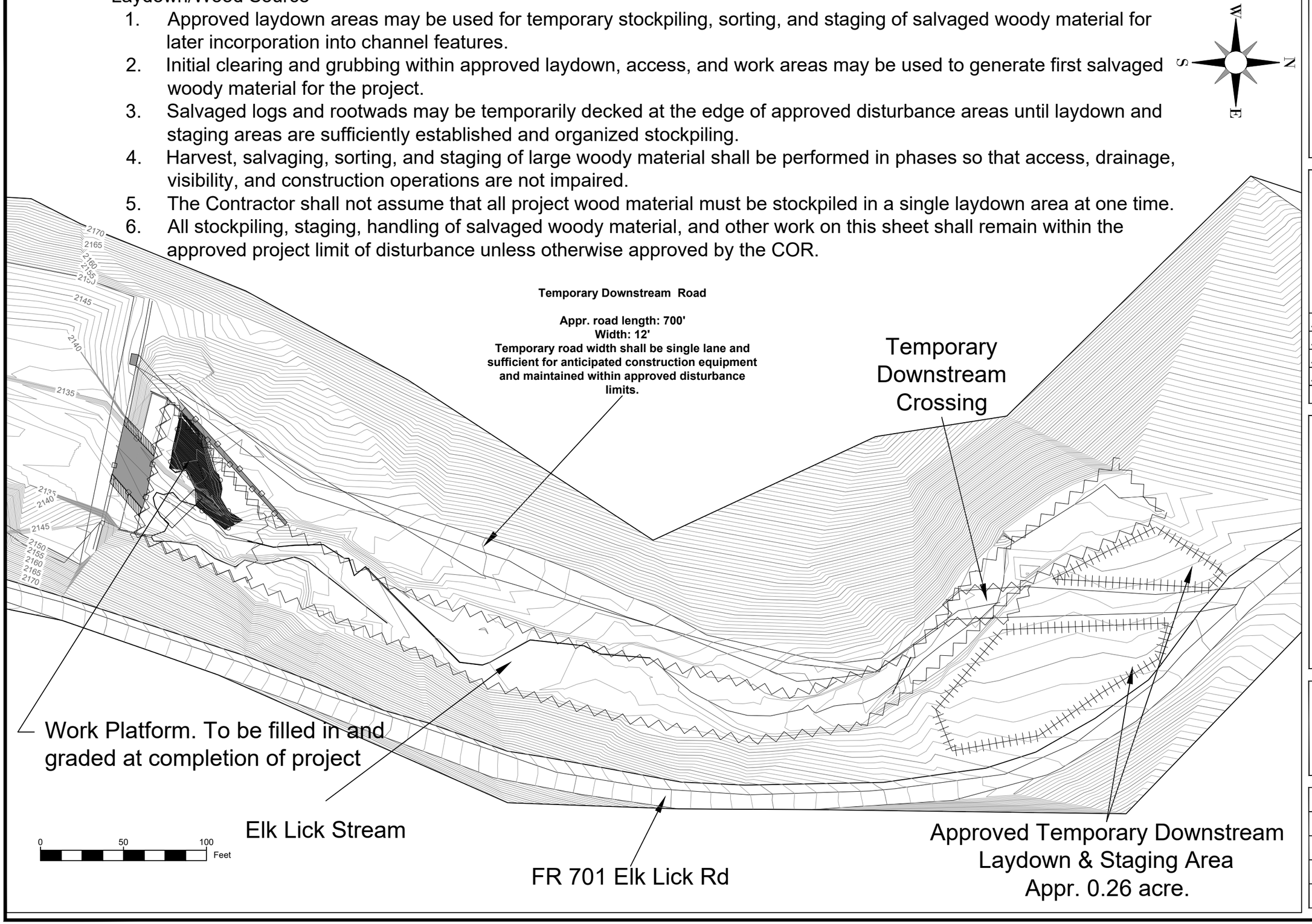
Laydown/Wood Source

1. Approved laydown areas may be used for temporary stockpiling, sorting, and staging of salvaged woody material for later incorporation into channel features.
2. Initial clearing and grubbing within approved laydown, access, and work areas may be used to generate first salvaged woody material for the project.
3. Salvaged logs and rootwads may be temporarily decked at the edge of approved disturbance areas until laydown and staging areas are sufficiently established and organized stockpiling.
4. Harvest, salvaging, sorting, and staging of large woody material shall be performed in phases so that access, drainage, visibility, and construction operations are not impaired.
5. The Contractor shall not assume that all project wood material must be stockpiled in a single laydown area at one time.
6. All stockpiling, staging, handling of salvaged woody material, and other work on this sheet shall remain within the approved project limit of disturbance unless otherwise approved by the COR.



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CHEAT- POTOMAC RANGER DISTRICT

DRAWING TITLE

Downstream Access, Crossing and Laydown Area

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-03
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 4 OF 23

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Appurtenant structures shown on this sheet shall be removed, filled or abandoned as specified and restored to stable final grade.

Areas disturbed by structure removal shall be backfilled, graded, and stabilized to match adjacent final contours.

Existing Wet Well
- Fill to surface with flowable fill

Apron Length: 84' Width 10'
Apron to be removed within extents of breach area.

Existing Box Culvert
- Remove and backfill

Abandoned Water Line
- Only remove if protruding from ground

Work Platform Area To remain in place and incorporated into final grading

Breach location

Base Breach: 30'
Option to breach additional 10'

Cut stone/foundation material encountered within breach limits shall be removed as necessary to achieve design grade. Reuse elsewhere in project may be allowed as approved by COR.

Start R-4 riprap to station 10+50 river right and to the end of work platform

2135
9+50
2140
2145
10+50

0 20 40 Feet

W S N E

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Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT- POTOMAC RANGER DISTRICT

DRAWING TITLE

Dam Breach and Appurtenant Structure Removal

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-04
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 5 OF 23

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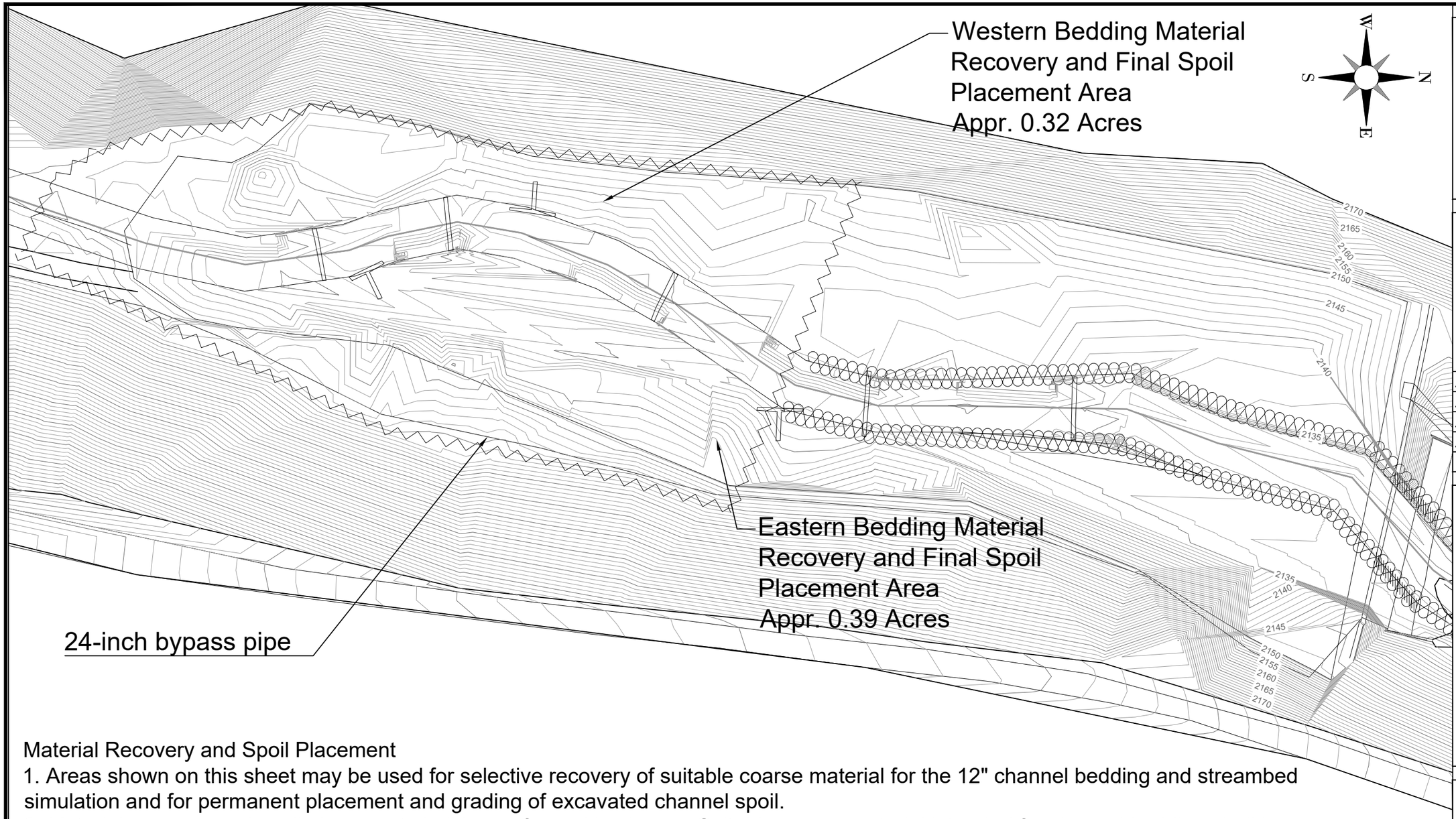

Material Recovery and Spoil Placement

1. Areas shown on this sheet may be used for selective recovery of suitable coarse material for the 12" channel bedding and streambed simulation and for permanent placement and grading of excavated channel spoil.
2. Material recovery and spoil placement shall be performed in phases. Suitable coarse material intended for channel bedding shall be recovered first, to the maximum extent practicable, before permanent spoil placement precludes later recovery.
3. After suitable bedding material has been recovered, the same areas may be used for permanent spoil placement, grading, and shaping as shown on the plans or approved by the COR.
4. Final grading within these areas shall be stable, provide positive drainage, and shall not slough or erode into the constructed channel.
5. Acreage shown excludes the active channel/excavation corridor.

0 50 100 Feet

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DRAWING TITLE

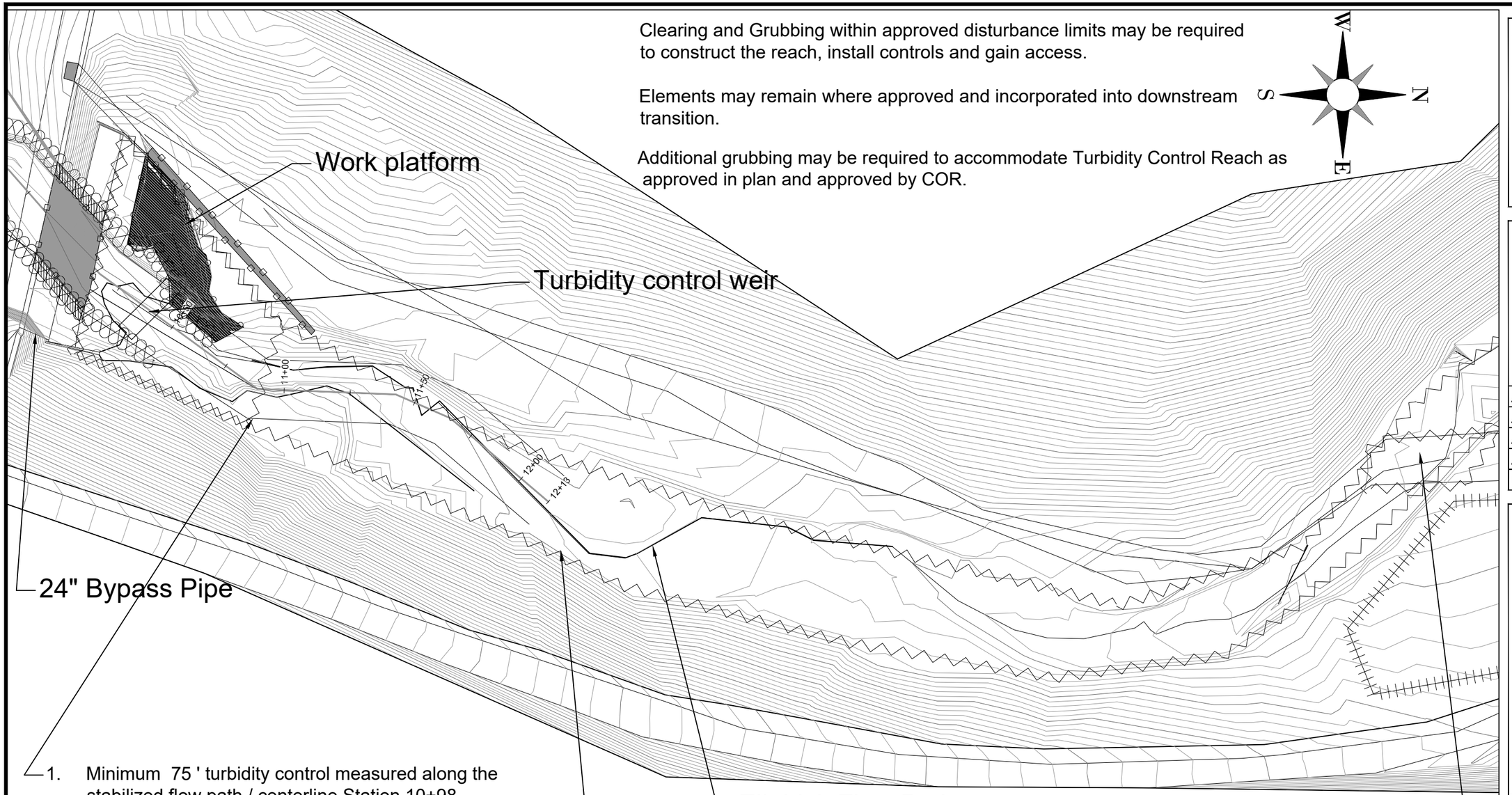
Bedding Material Recovery and Final Spoil Placement Areas

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-05
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 6 OF 23

Clearing and Grubbing within approved disturbance limits may be required to construct the reach, install controls and gain access.

Elements may remain where approved and incorporated into downstream transition.

Additional grubbing may be required to accommodate Turbidity Control Reach as approved in plan and approved by COR.



1. Minimum 75 ' turbidity control measured along the stabilized flow path / centerline Station 10+98.
2. The turbidity control reach shall extend across the downstream flow path.
3. Install additional turbidity controls or weirs if required.
4. Turbidity control reach to be constructed as stabilized downstream transition, elements may remain where incorporated into final transition as approved in Plan.

0 50 100 Feet

Reach length may be extended as needed by COR or in approved Turbidity Control Plan.

Crossing is below turbidity control reach and shall be monitored and maintained for stability and sedimentation. Provide additional stabilization scour protection and sediment control as needed so the crossing does not become a sediment source.

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DRAWING TITLE

Turbidity control

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-06
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 7 OF 23

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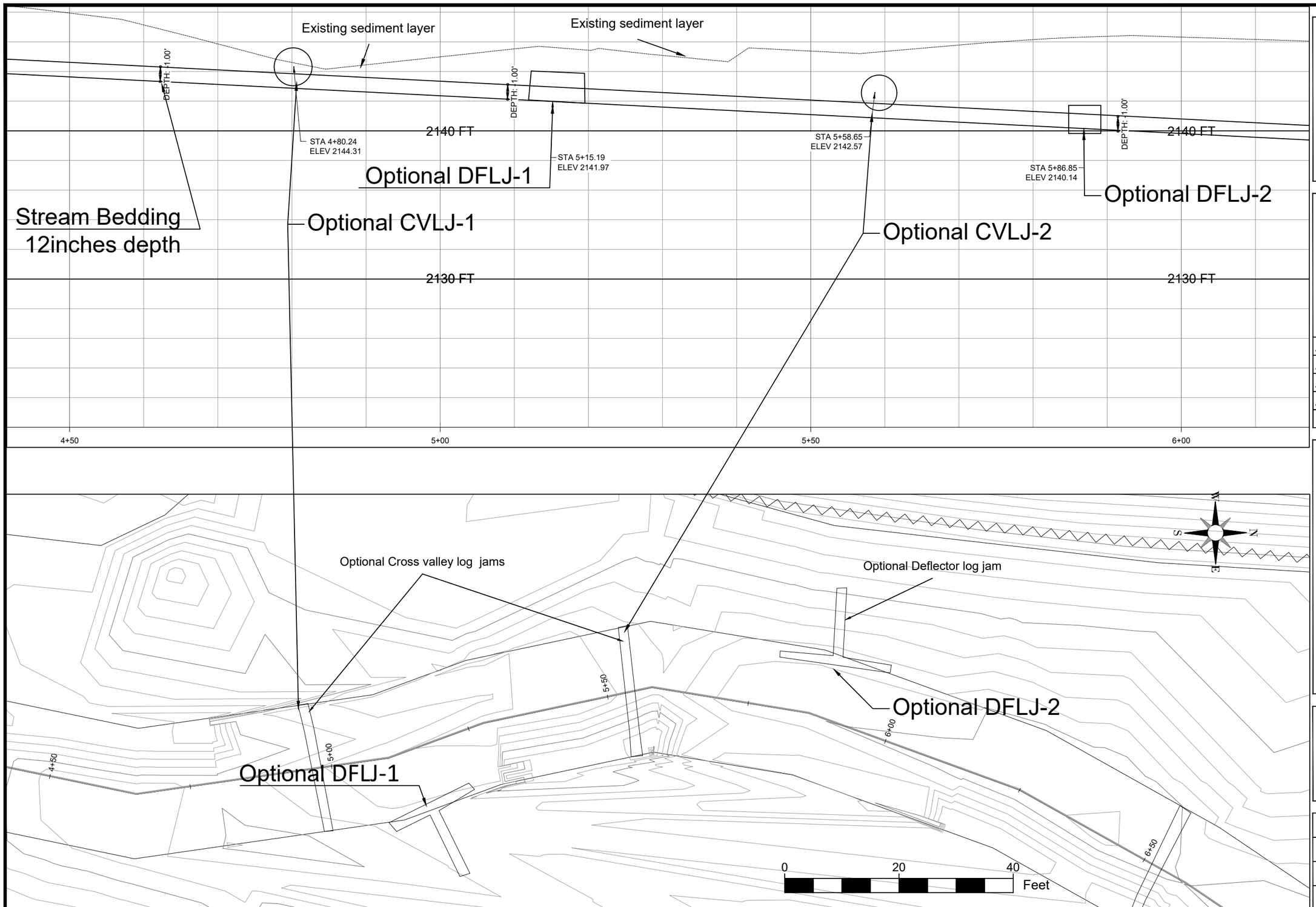

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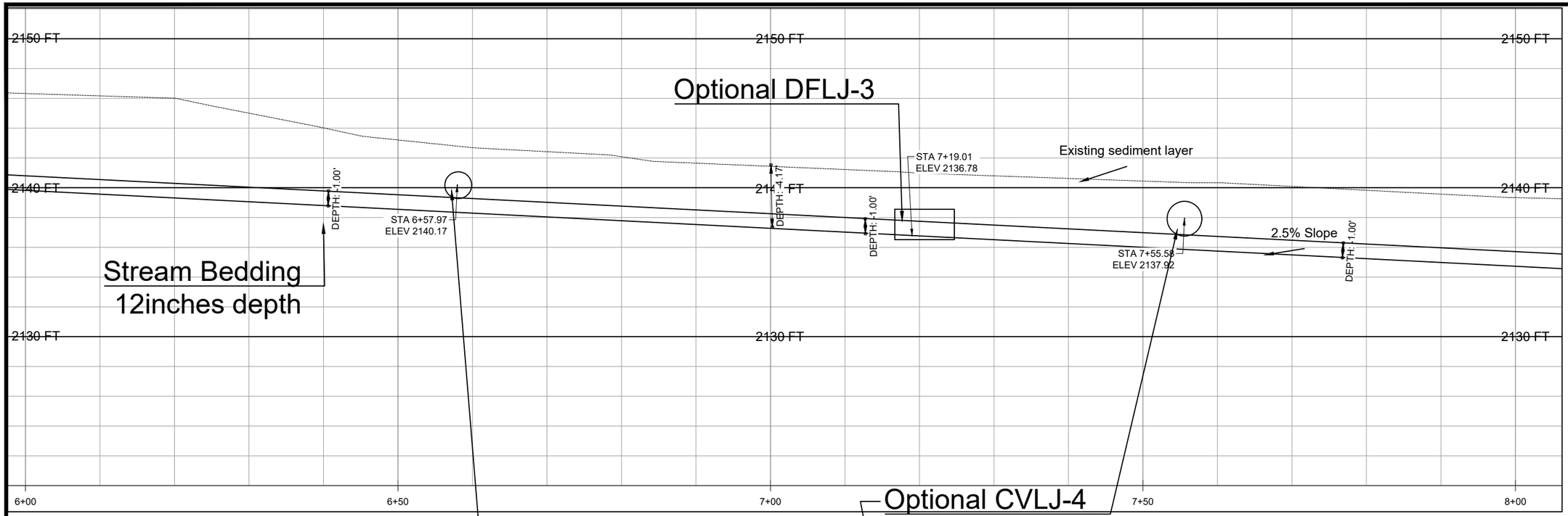
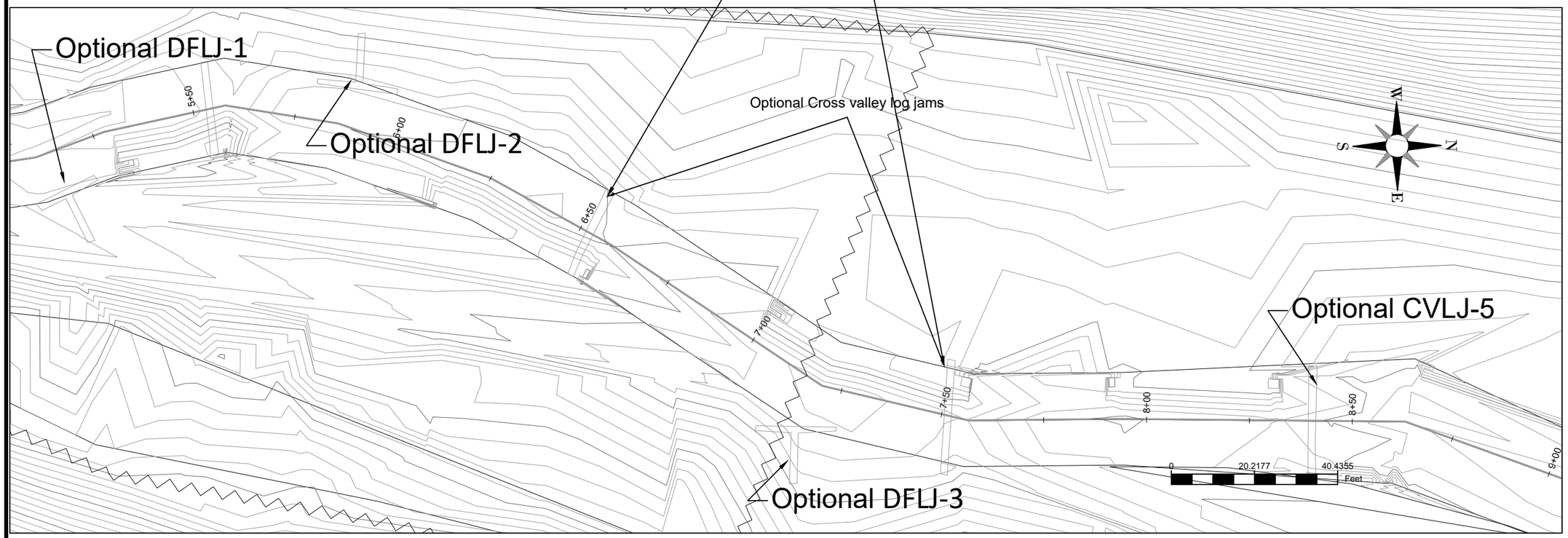
DRAWING TITLE

Profile 4+00 to 6+00

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-07
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 8 OF 23





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DRAWING TITLE

Profile 6+00 o 7+50

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. **C-08**
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 9 OF 23

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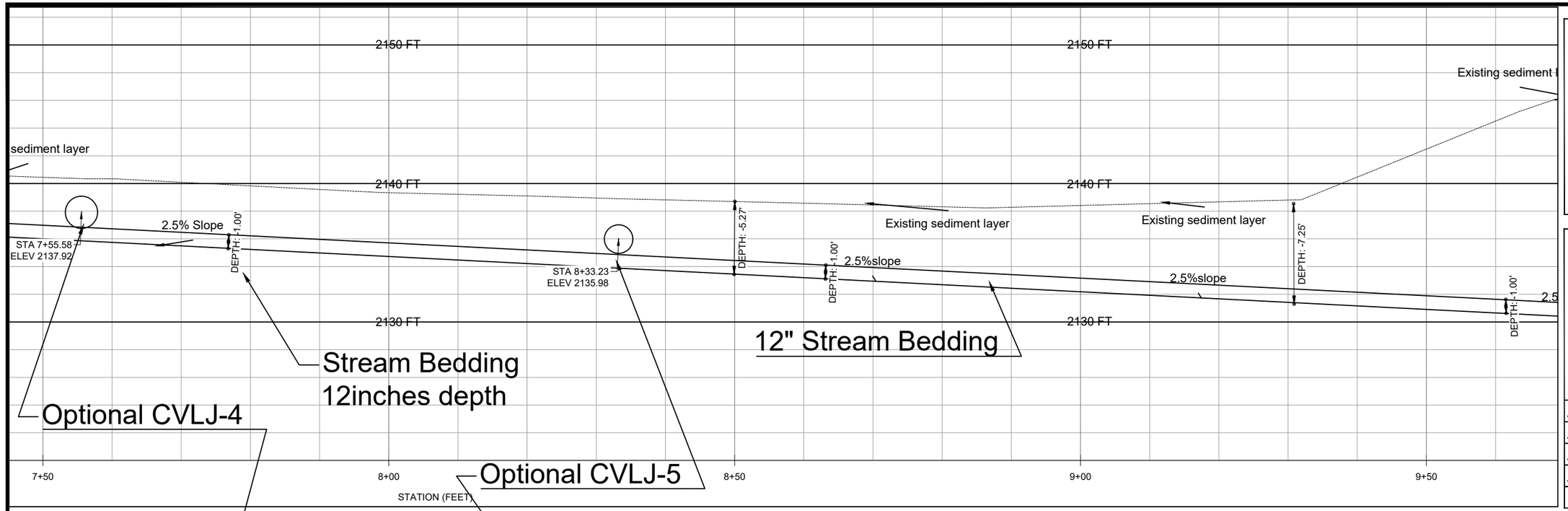

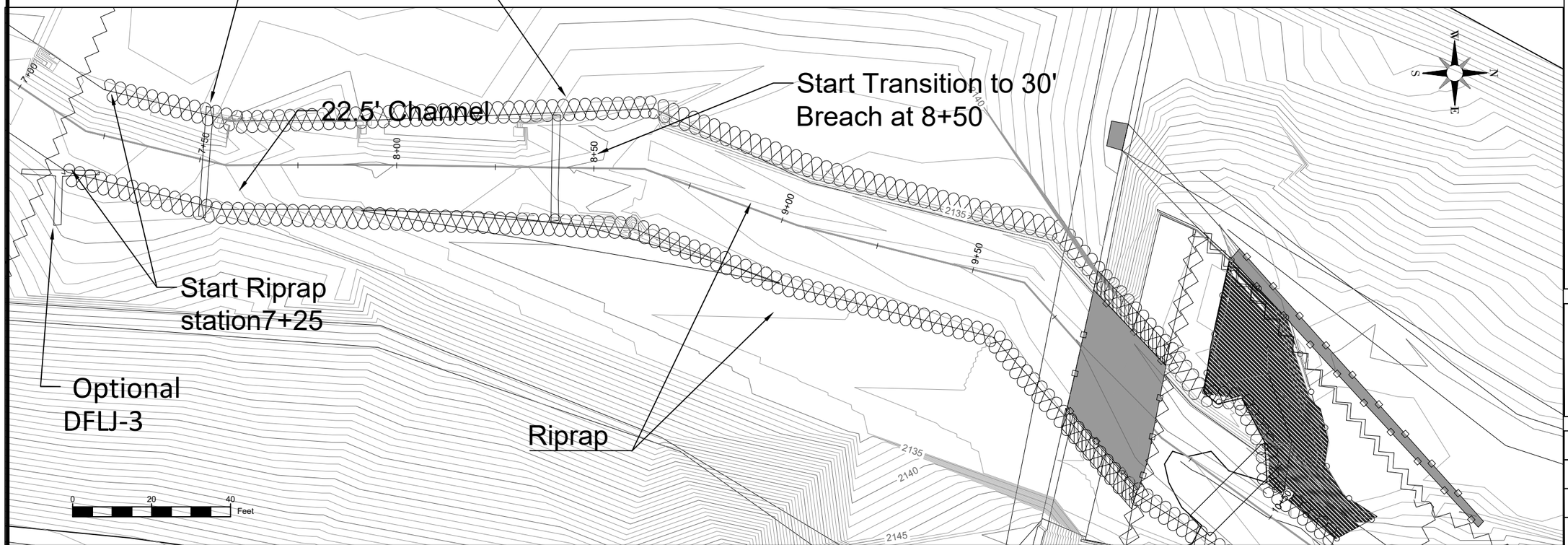

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DRAWING TITLE

Profile 7+50 to 9+50

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-09
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 10 OF 23

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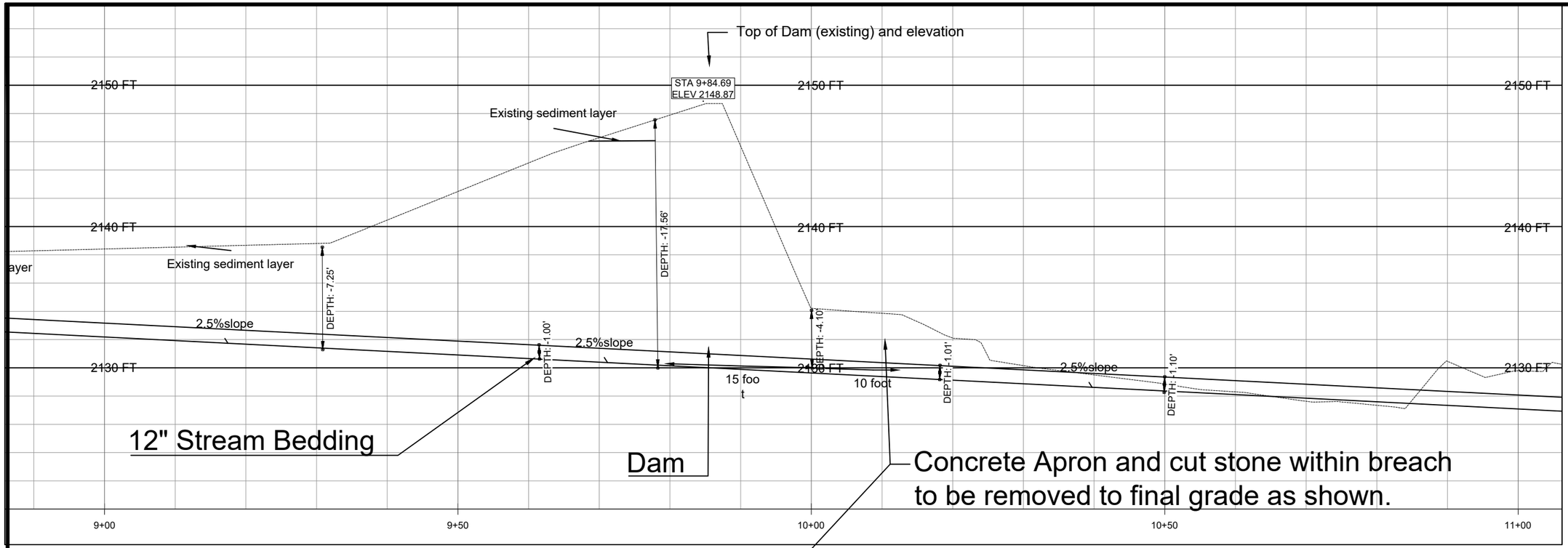

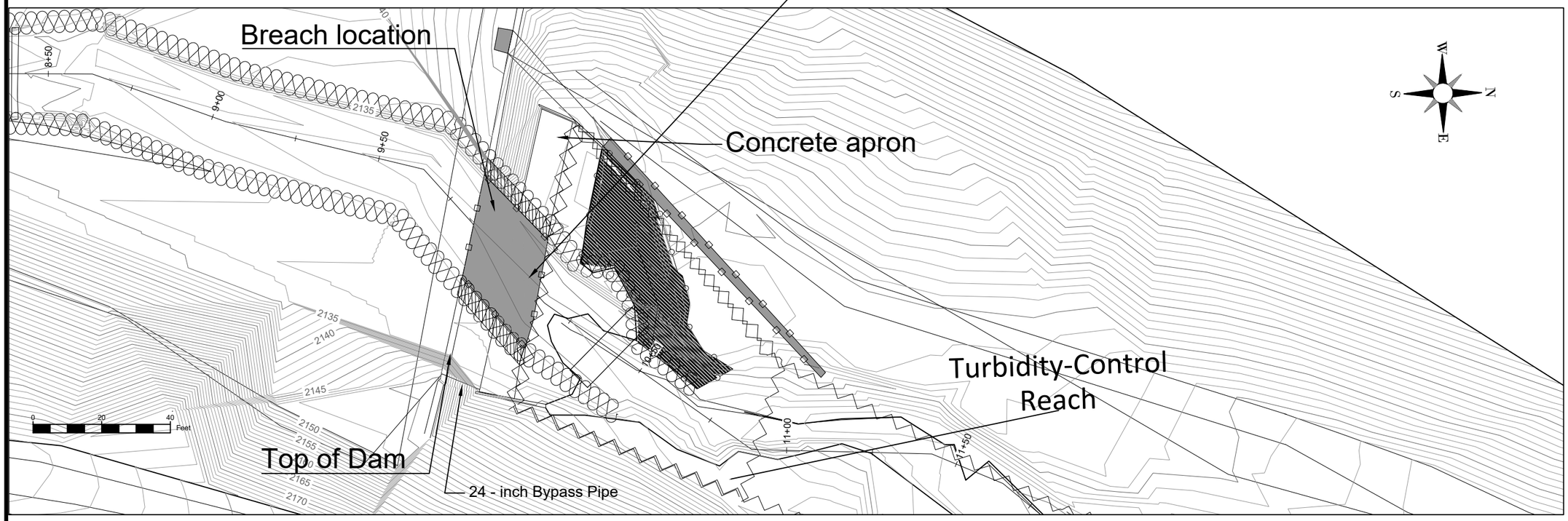

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MONONGAHELA NATIONAL FOREST

CHEAT- POTOMAC RANGER DISTRICT

DRAWING TITLE

Proflie 9+50 to 10+50

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-10
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 11 OF 23

1. Cross-valley log jams shall maintain continuous low-flow passage and shall not create perched outlets or abrupt drops that impair aquatic organism passage.

2. Provide a continuous 12-inch streambed simulation / bedding layer throughout the restored channel unless otherwise shown.

3. Final subgrade, top of 12-inch bedding / streambed simulation layer, and large wood feature control elevations are shown on the profile sheets and large wood schedule. Local adjustments may be field fit with COR approval to accommodate retained bedrock, unsuitable material removal, and stable low-flow passage.

4. Feature elevations, orientation, and embedment may be field fit with COR approval to accommodate localized site conditions, provided intended profile, stability, and low-flow passage are maintained.

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DRAWING TITLE

General Profile Notes

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R. Phillips	DRAWING SHEET NO. C-11
DRAWN M. Tingley	
CHECKED B. Shaffer	
PROJECT NO.	SHEET 12 OF 23

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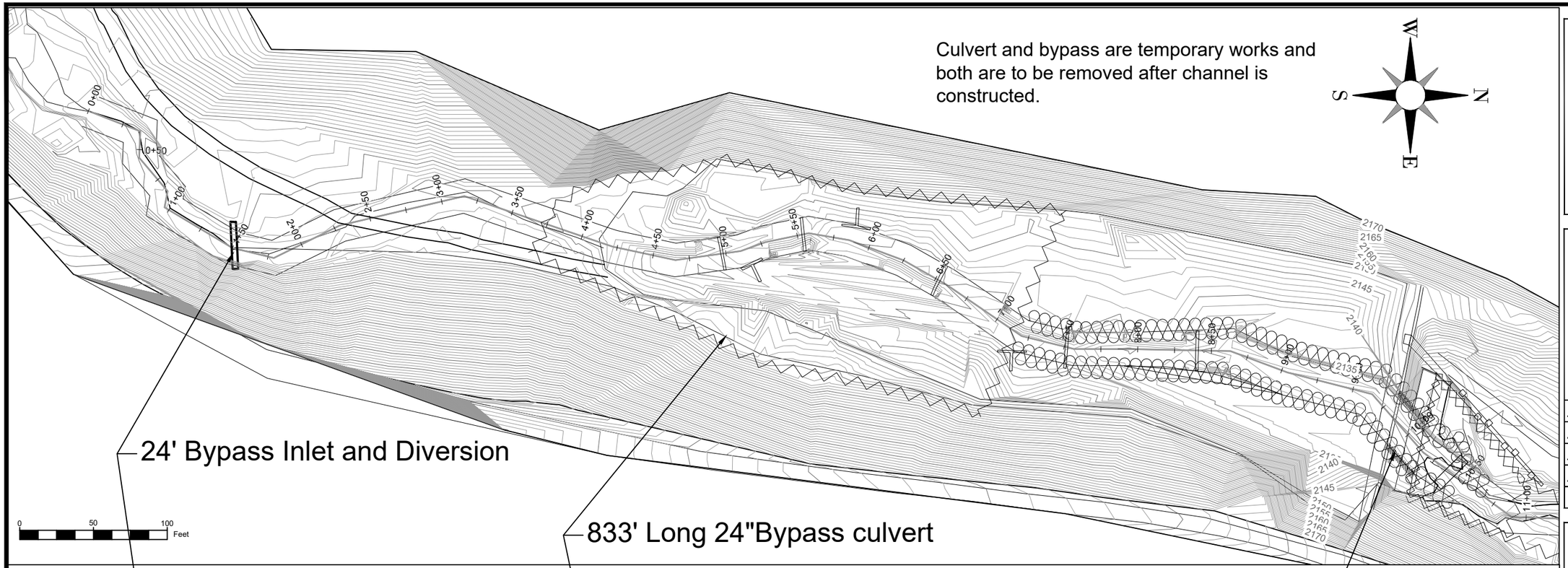
Culvert and bypass are temporary works and both are to be removed after channel is constructed.



SS1 PROFILE

Bypass alignment and profile are diagrammatic minimum criteria for bidding and coordination. Contractor shall maintain continuous positive drainage, invert continuity, and adequate hydraulic capacity from inlet to outlet. If the depicted alignment/inverts cannot provide a function bypass under field conditions, contractor shall submit an alternate bypass alignment and/or configuration including revised inverts and routing over or through the dam, for COR approval prior to installation, at no addition cost to government. The dam shall not be penetrated outside of the breach area

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DRAWING TITLE

Temporary Stream Bypass Plan and Profile

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-12
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 13 OF 23

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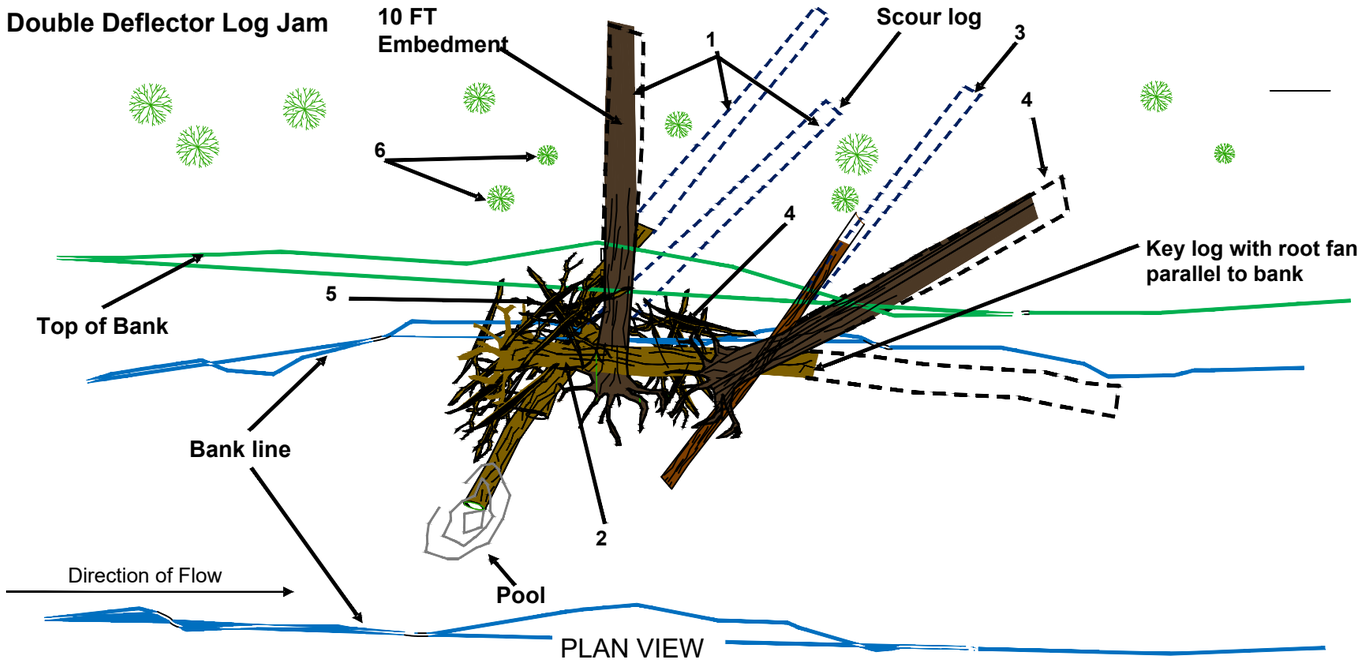
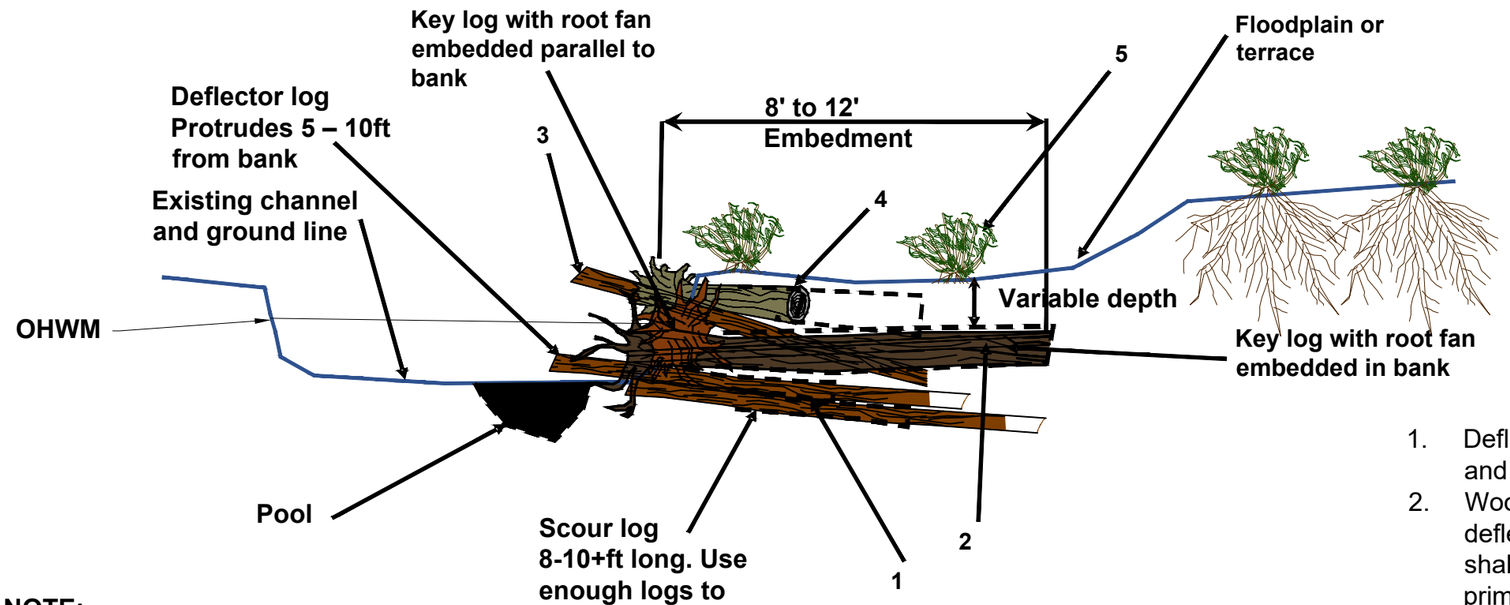
Double Deflector Log Jam



CONSTRUCTION SEQUENCE

1. Excavate Key Trench
2. Place and key primary logs and rootwad
3. Install secondary and scour logs as shown
4. Backfill, Ballast and compact around embedded portions
5. Rack/weave supplemental woody material as needed
6. Tie feature into streambed material
7. Field fit with COR to maintain bank stability.



NOTE:
DRAWING NOT TO SCALE

NO RAKING AND FACE MATERIAL SHOWN IN CROSS SECTION VIEW FOR CLARITY

CROSS SECTION VIEW LOOKING DOWNSTREAM

1. Deflector shall be tied into the restored channel margin and continuous 12" bedding/streambed simulation layer.
2. Woody deflectors are intended to provide localized flow deflection, bank roughness and habitat diversity and shall not function as full-width channel blockages or primary cross channel controls.

United States Department of Agriculture
Forest Service

REGION 9
EASTERN REGION

STAMPS, LOGOS, AND SEALS

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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT POTOMAC RANGER DISTRICT

DRAWING TITLE

Optinal Woody Deflector Detail

DATE 09/23/2024	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-13
DRAWN R.GUBERNICK R.G.	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 14 OF 23

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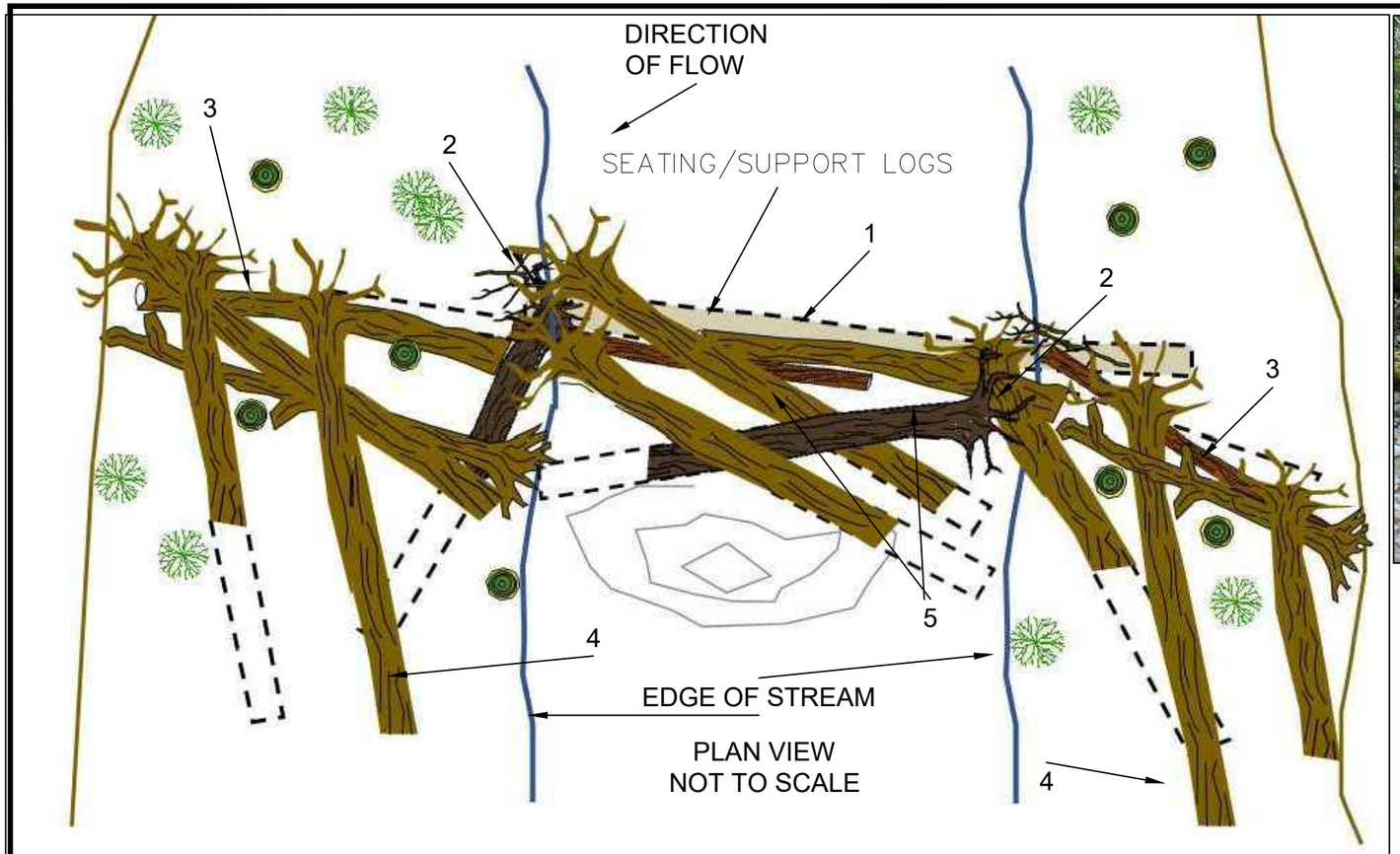

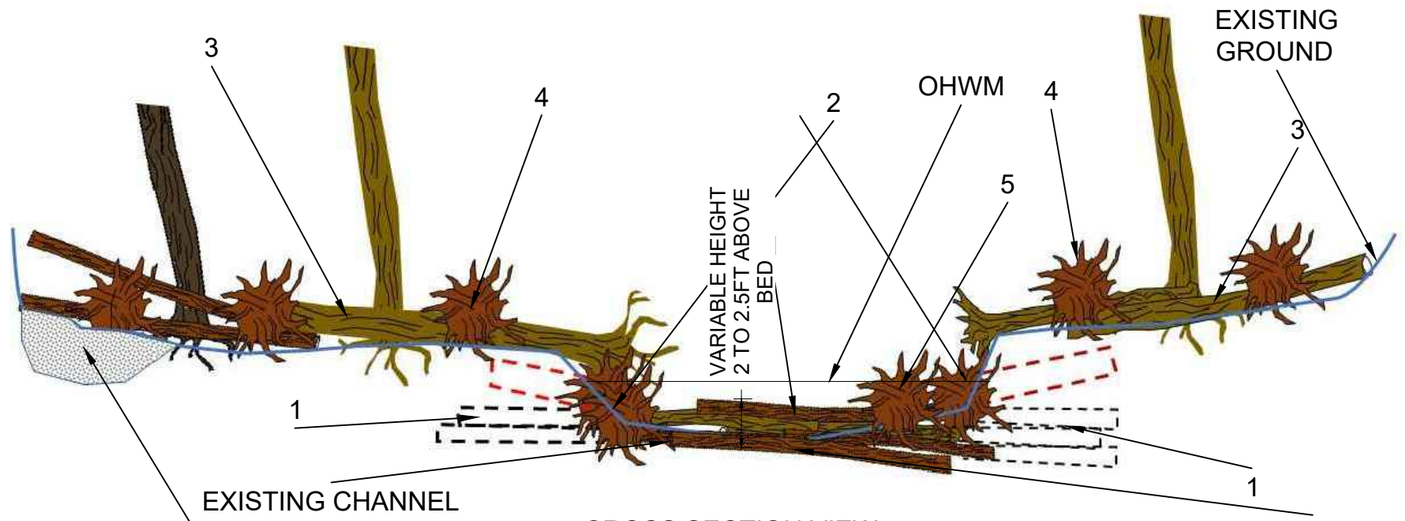

NOTES:

1) Excavate key cross channel and scour log(s) trenches perpendicular to the bank. place logs, backfill, and compact trenches. top of of highest logs in the channel will be a minimum of 2ft and maximum of 2.5 ft above the existing stream bed.
2) Excavate the key root fan log ~45 degrees from bank. place key log over cross channel logs, back fill and compact trench.
3) Place key floodplain root fan logs. trench, backfill, and compact if entrenched. if not trenched, entangle in adjacent trees.
4) Place additional rootfan trees over the key cross channel logs and embed the end of stem at least 1.5ft over the cut log ends. place remaining root fans trees and embed.
5) Revegetate disturbance as "shown on the plans" and excavate pool.
6) Actual configuration may vary due to material sizes, tree species, and channel geometry. The Engineer in the field will determine the final structure configuration.
7) structure shall be integrated with the continuous 12" bedding and final channel profile.
8) Cross Valley Log Jams shall be keyed into the channel banks and field fit to local bank, bedrock and bedding conditions.
9) Each cross valley log jam shall maintain continuous low flow passage and shall not create a perched outlet or abrupt drop inconsistent with aquatic organism passage.
10) Final orientation, embedment, and minor elevation adjustments may be field fit with COR approval to accomodate localized bedrock, sediment, and available wood material, provided intended profile stability, and passage are maintained.

Scour logs shall be embedded and field fit to local conditions to seat the structure and support stability

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United States Department of Agriculture
Forest Service

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EASTERN REGION

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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT POTOMAC RANGER DISTRICT

DRAWING TITLE

OPTIONAL CROSS CHANNEL/VALLEY LOG JAM DETAILS

DATE 09/06/2024	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-14
DRAWN R.GUBERNICK R.G.	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 15 OF 23

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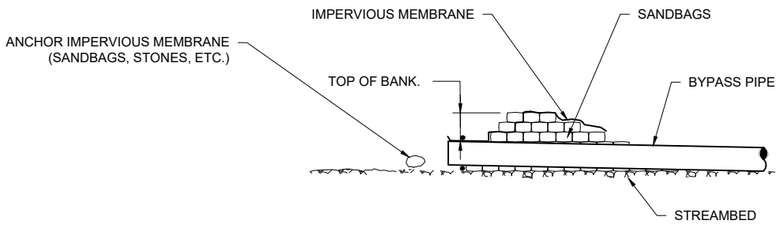
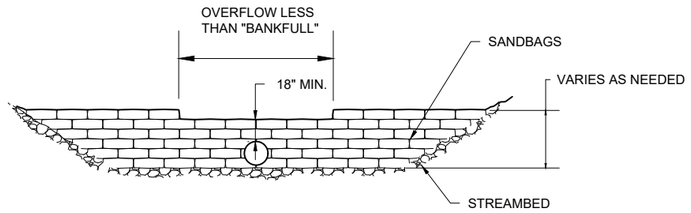


PROFIILE VIEW

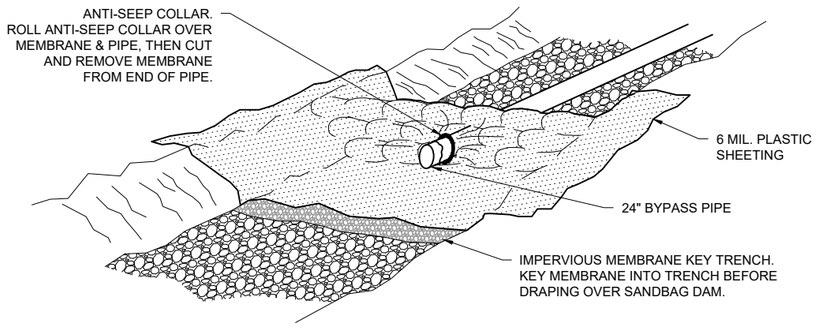


ELEVATION VIEW

Overflow Above bypass shall be controlled and not cause uncontrolled erosion.

Elbows and other fittings are shown for concept, direct application are contractor means and methods, provided flow, capacity and invert continuity are maintained.

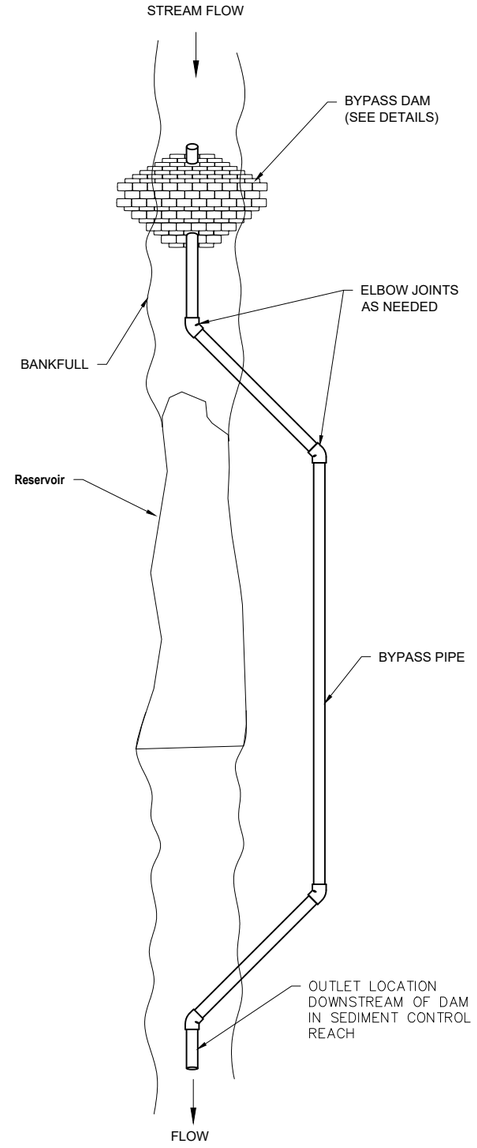
Bypass outlet shall discharge into approved stabilized downstream turbidity control reach.



SANDBAG BYPASS DAM DETAILS

(NOT TO SCALE)

NOTE:
THE DEWATERING & SEDIMENT CONTROL PLAN SHOWS THE MINIMUM ACCEPTABLE CRITERIA. MAINTAINING CLEAN WATER DOWNSTREAM OF THE PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR THROUGHOUT THE DURATION OF THE PROJECT, 24 HRS./DAY



BYPASS TYPICAL PLAN VIEW

(NOT TO SCALE)

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United States Department of Agriculture
Forest Service

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EASTERN REGION

STAMPS, LOGOS, AND SEALS

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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT- POTOMAC RANGER DISTRICT

DRAWING TITLE

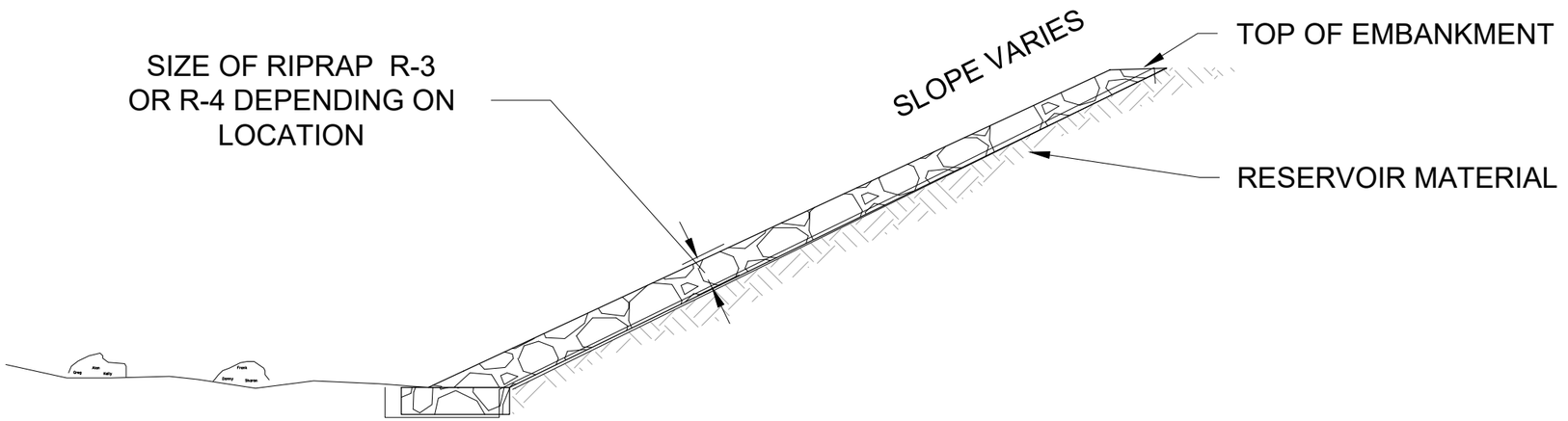
Temporary Stream Bypass and Upstream Weir Details

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-15
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 16 OF 23

NOTES:

1. RIPRAP QUANTITIES VARY SEE DESCRIPTION OF WORK

2. FURNISH GEOTEXTILE CONFORMING TO FP-14 SUBSECTION 714.01(a)



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Forest Service

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EASTERN REGION

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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

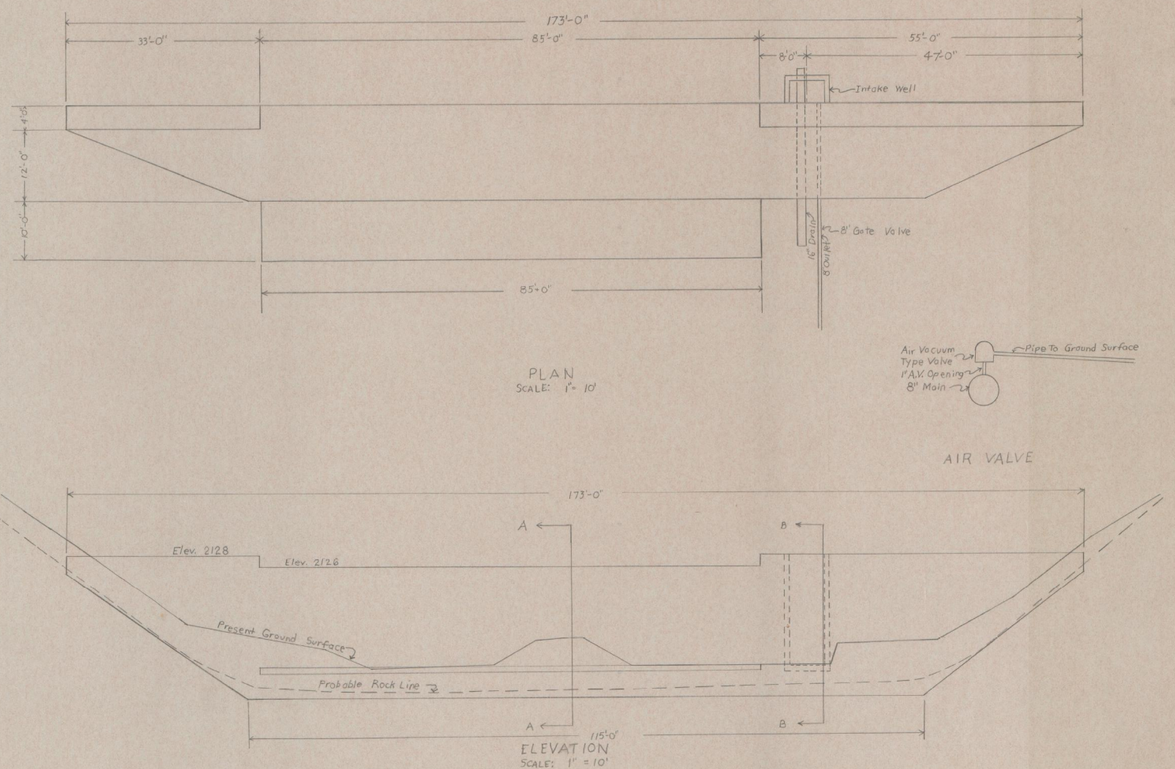
CHEAT- POTOMAC RANGER DISTRICT

DRAWING TITLE

Riprap Channel Protection Detail.

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-16
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 17 OF 23

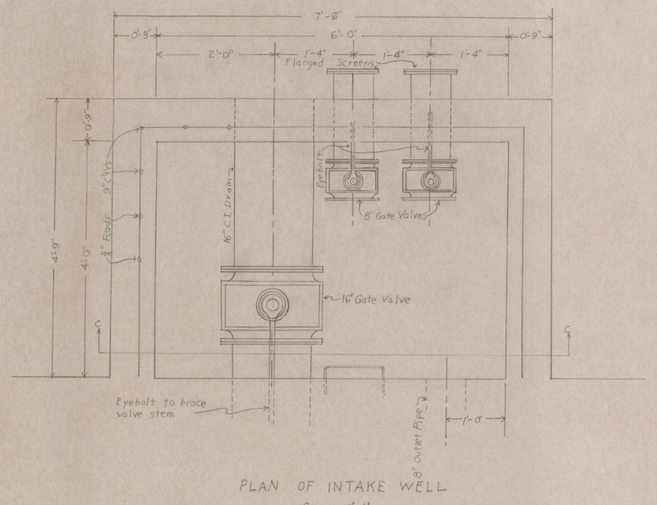
6/15/26 13:46 MARTINTINGLEY C:\CAD DRAWING\TINGLEY_2026_5_27 - STANDARD\TINGLEY_2026_06_15V 30FT.DWG;



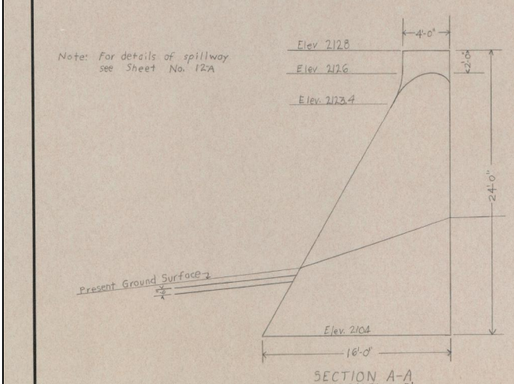
PLAN
SCALE: 1" = 10'

AIR VALVE

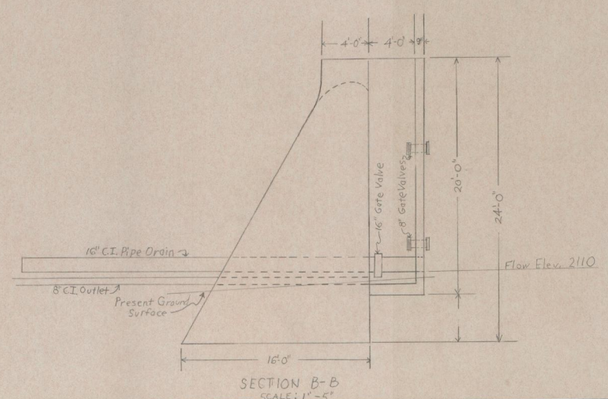
ELEVATION
SCALE: 1" = 10'



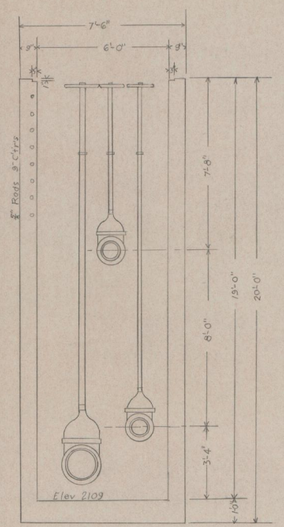
PLAN OF INTAKE WELL
SCALE: 1"=1'



SECTION A-A
SCALE: 1"=5'

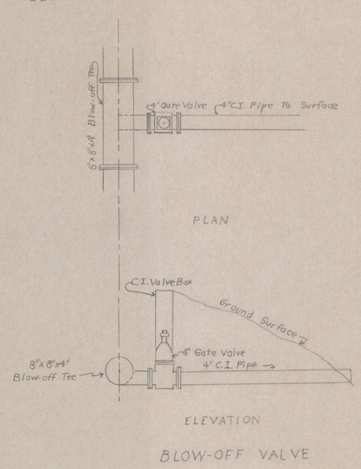


SECTION B-B
SCALE: 1"=5'



SECTION C-C
SCALE: 1"=1'

Note: for alternate 22' Dam, elevations of bottom of intake well and of outlets to be as above section. Inside depth of intake well will be 17'-0"



BLOW-OFF VALVE

CITY OF PARSONS W.VA.
ADDITIONAL WATER SUPPLY
FROM ELKLICK RUN
DETAILS OF DAM, INTAKE
AIR AND BLOW-OFF VALVE
SCALE: AS SHOWN
DATE: 5-11-34

USDA FOREST SERVICE DEPARTMENT OF AGRICULTURE

United States Department of Agriculture
Forest Service

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EASTERN REGION

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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT- POTOMAC RANGER DISTRICT

DRAWING TITLE

Historical Plan 1934

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillps	DRAWING SHEET NO. C-17
DRAWN M.Tingley	
CHECKED B. Shaffer	
PROJECT NO.	SHEET 18 OF 23

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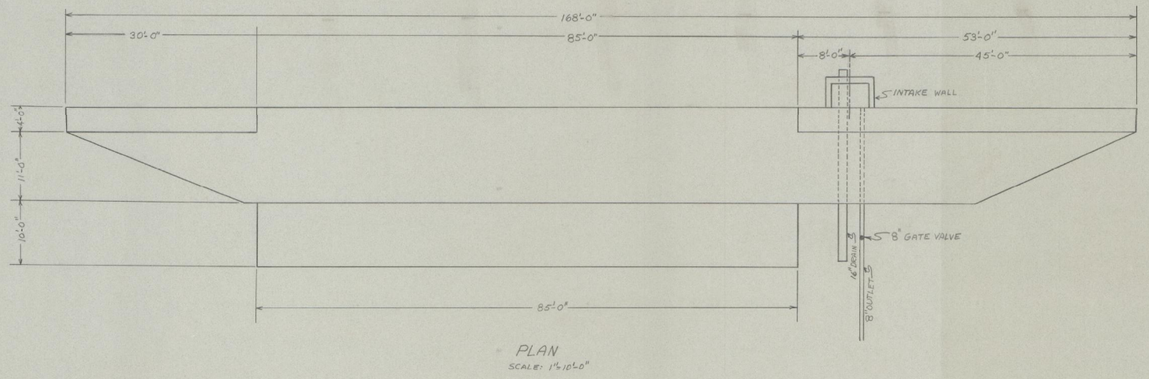
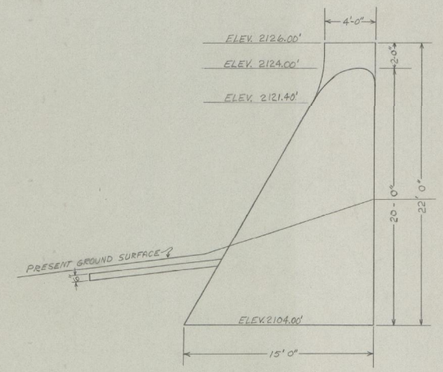
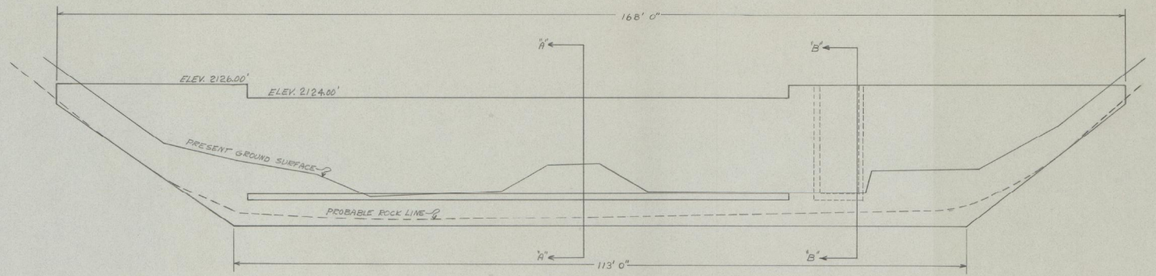


PLAN
SCALE: 1"=10'-0"

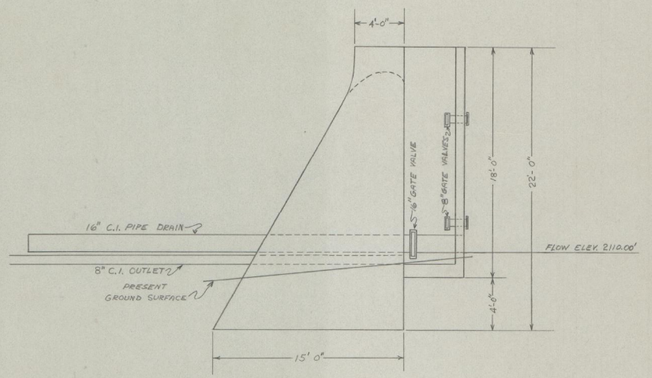


SECTION "A-A"
SCALE: 1"=5'-0"

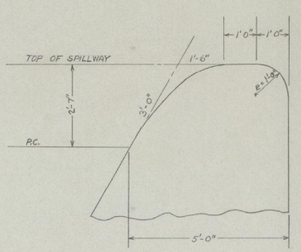
NOTE: FOR DETAILS OF INTAKE WELL SEE SHEET NO. 12



ELEVATION
SCALE: 1"=1'-0"



SECTION "B-B"
SCALE: 1"=5'-0"



SPILLWAY SECTION
SCALE: 1/2" = 1'-0"

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
MONONGAHELA NATIONAL FOREST
REGION 9 D. C. TURNER REGIONAL ENGINEER

CITY OF PARSONS, W.VA.
ADDITIONAL WATER SUPPLY
FROM ELKLICK RUN
DETAILS OF ALTERNATE DAM

DESIGNED _____ TRACED W.S.L. SCALE AS NOTED
DRAWN _____ CHECKED _____ DATE 9/27/68
SHEET ____ OF ____

USDA FOREST SERVICE
United States Department of Agriculture
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EASTERN REGION

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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT- POTOMAC RANGER DISTRICT

DRAWING TITLE

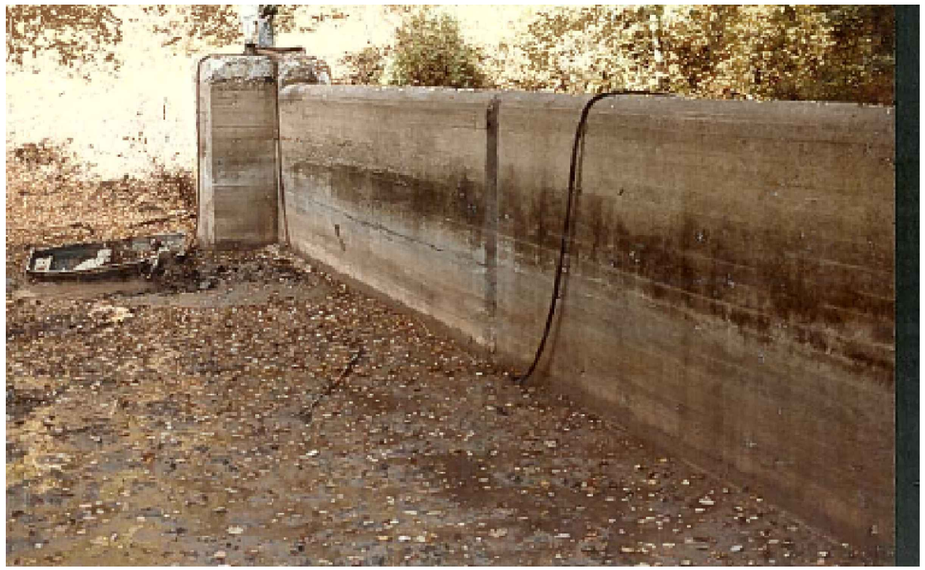
Historical Plan 1968

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-18
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 19 OF 23

6/15/26 13:46 MARTINTINGLEY C:\CAD DRAWING\TINGLEY_2026_5_27 - STANDARD\TINGLEY_2026_06_15\ 30FT.DWG;

VIEW OF ELK LICK RUN DAM FROM THE RESERVOIR SIDE, RIVER LEFT VIEW OF ABUTMENT. 1983

DOWNSTREAM VIEW OF ELK LICK RUN DAM AND CONCRETE SPLASH APRON. 2023



VIEW OF ELK LICK RUN DAM FROM THE RESERVOIR SIDE, RIVER LEFT VIEW OF ABUTMENT. 1983

VIEW ALONG ELK LICK RUN DAM AND CONCRETE SPLASH APRON FROM RIVER LEFT BANK. 2023

United States Department of Agriculture
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EASTERN REGION

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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT - POTOMAC RANGER DISTRICT

DRAWING TITLE

PROJECT PHOTOS 1

DATE 07/30/2024	ARCHIVE NO.
DESIGNER R.Phillps	DRAWING SHEET NO. C-19
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 20 OF 23

6/15/26 13:46 MARTINTINGLEY C:\CAD DRAWING\TINGLEY_2026_5_27 - STANDARD\TINGLEY_2026_06_15V 30FT.DWG;

VIEW OF ELK LICK RUN RESERVOIR FROM RIVER LEFT SIDE OF THE DAM. 2023

VIEW OF ELK LICK RUN DAM SPILLWAY FROM THE RIVER LEFT SIDE OF THE DAM ABUTMENT, 2023

VIEW OF PARSONS DAM FOOTING FOUNDATION AND CONCRETE WING WALL FROM DOWNSTREAM RIVER LEFT . 2023

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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT POTOMAC RANGER DISTRICT

DRAWING TITLE

PROJECT PHOTOS 2

DATE: XX/XX/XXXX	ARCHIVE NO.
DESIGNER: R.Phillips	DRAWING SHEET NO. C-20
DRAWN: M.Tingley	
CHECKED: B.Shaffer	
PROJECT NO.	SHEET 21 OF 23

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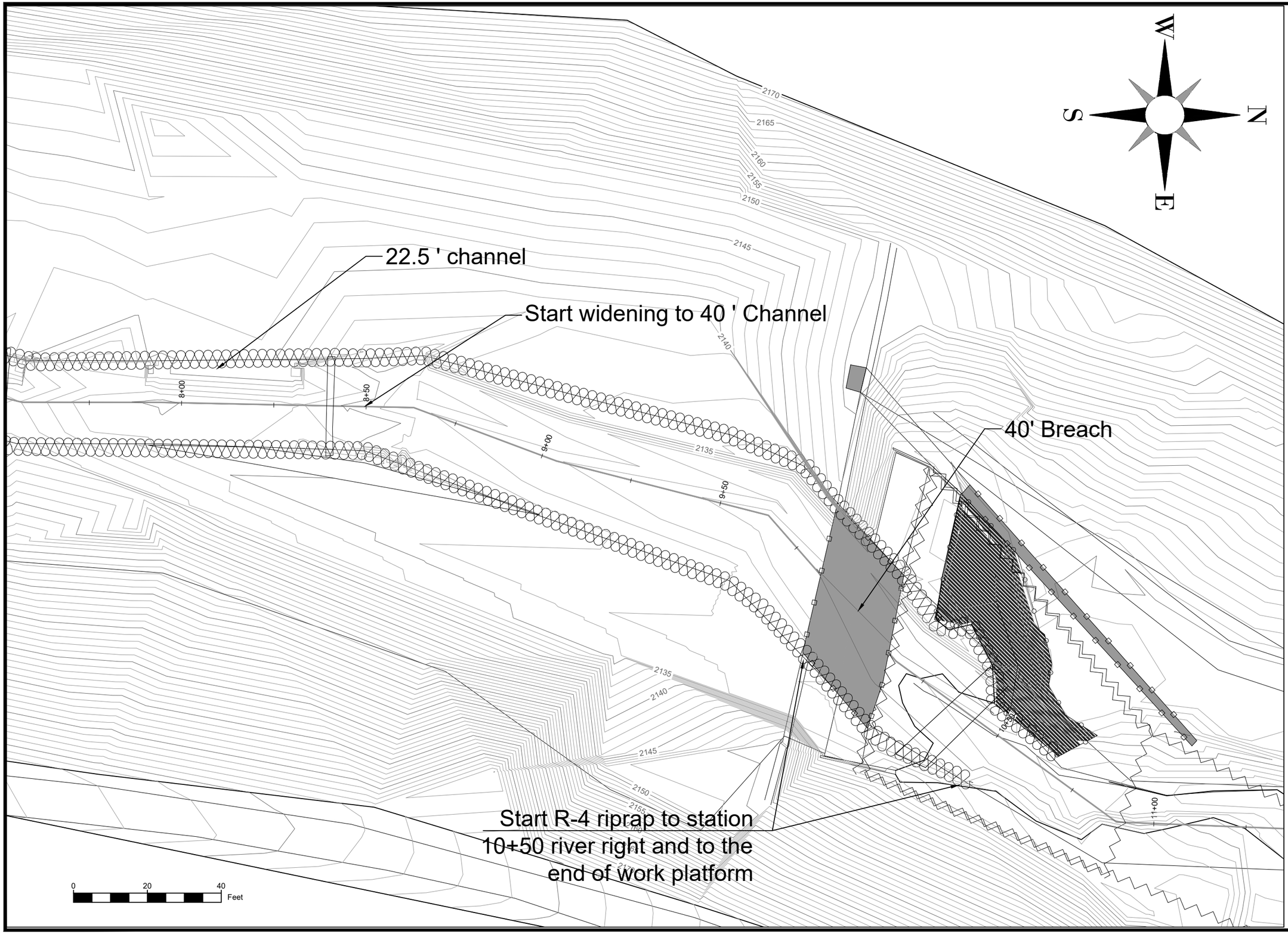

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Forest Service

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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT- POTOMAC RANGER DISTRICT

DRAWING TITLE

Optional 40 foot Channel and Breach

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-21
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 22 OF 20

6/15/26 10:18 MARTINTINGLEY C:\CAD DRAWING\TINGLEY_2026_5_27 - STANDARD\TINGLEY_2026_06_15.DWG;

Appurtenant structures shown on this sheet shall be removed, filled or abandoned as specified and restored to stable final grade.

Areas disturbed by structure removal shall be backfilled, graded, and stabilized to match adjacent final contours.

Existing Wet Well
- Fill to surface with flowable fill

Apron Length: 84' Width 10'
Apron to be removed within extents of breach area.

Existing Box Culvert
- Remove and backfill

Abandoned Water Line
- Only remove if protruding from ground

Work Platform Area To remain in place and incorporated into final grading

Breach location

Breach: 40'

Cut stone/foundation material encountered within breach limits shall be removed as necessary to achieve design grade. Reuse elsewhere in project may be allowed as approved by COR.

2135

9+50

2140

2145

10+50

0 20 40 Feet

Start R-4 riprap to station 10+50 river right and to the end of work platform

W S N E

USDA FOREST SERVICE

United States Department of Agriculture
Forest Service

(R09)
EASTERN REGION

STAMPS, LOGOS, AND SEALS

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PROJECT NAME

Elk Lick Dam Decommissioning & Restoration

MONONGAHELA NATIONAL FOREST

CHEAT- POTOMAC RANGER DISTRICT

DRAWING TITLE

Optional Dam 40 foot Breach and Appurtenant Structure Removal

DATE 06/10/2026	ARCHIVE NO.
DESIGNER R.Phillips	DRAWING SHEET NO. C-22
DRAWN M.Tingley	
CHECKED B.Shaffer	
PROJECT NO.	SHEET 23 OF 23

6/15/26 09:00 MARTINTINGLEY C:\CAD DRAWING\TINGLEY_2026_5.27 - STANDARD\TINGLEY_2026_06_15.DWG;