Appendix F

Reconstruction Exhibits

Stanley Consultants INC.

PLAN

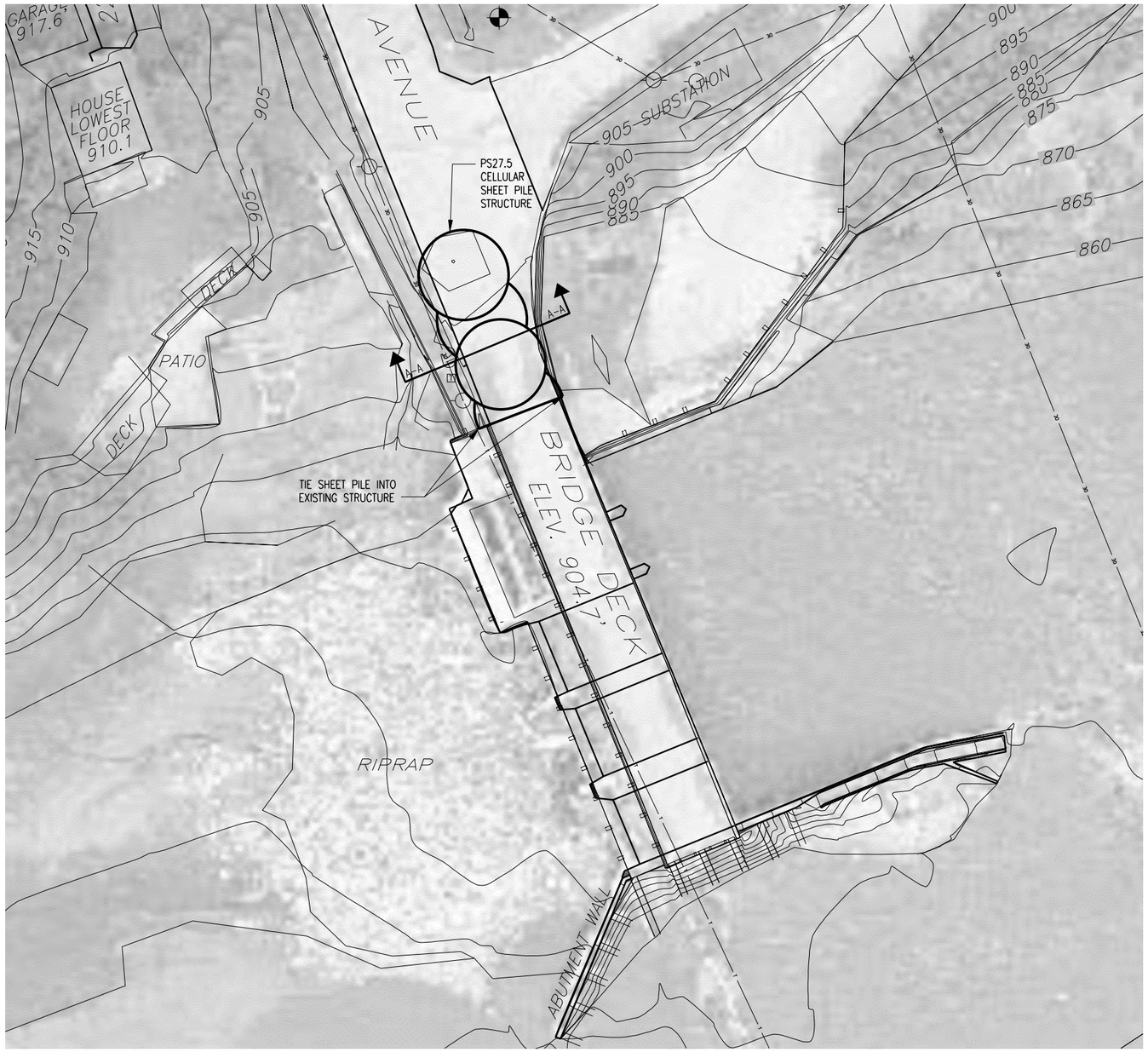
LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

EXHIBIT 1 – EXISTING SITE

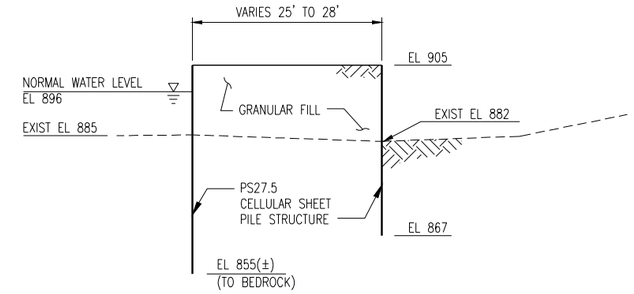
CADD D4-R3

Stanley Consultants INC.

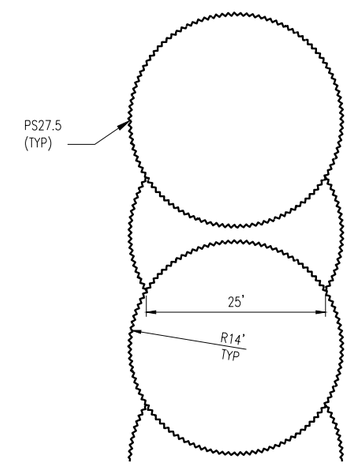
NORTH



PLAN



SECTION A-A



CELLULAR SHEET PILE STRUCTURE DETAIL

0 10' 20' 40'

SCALE: 1" = 40'-0"

LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

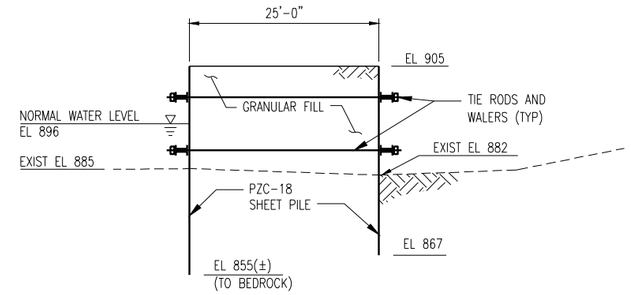
EXHIBIT 2
NORTH EMBANKMENT
CELLULAR SHEET PILE STRUCTURE
PLAN, SECTION, AND DETAIL

CADD D4-R3

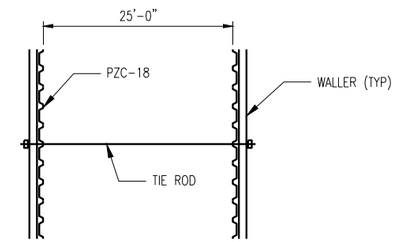
Stanley Consultants INC.

NORTH

PLAN



SECTION B-B



SHEET PILE DOUBLE WALL DETAIL

0 10' 20' 40'

SCALE: 1" = 40'-0"

LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

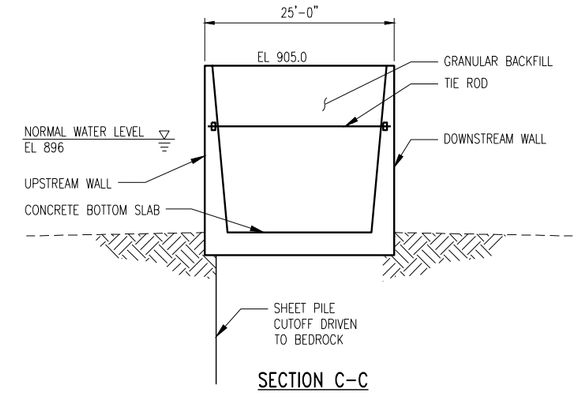
EXHIBIT 3
NORTH EMBANKMENT
SHEET PILE DOUBLE WALL
PLAN, SECTION, AND DETAIL

CADD D4-R3

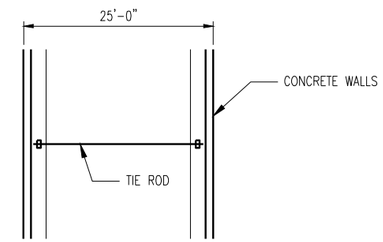
Stanley Consultants INC.

NORTH

PLAN



SECTION C-C



NORTH EMBANKMENT SECTION
REINFORCED CONCRETE WALLS

0 10' 20' 40'

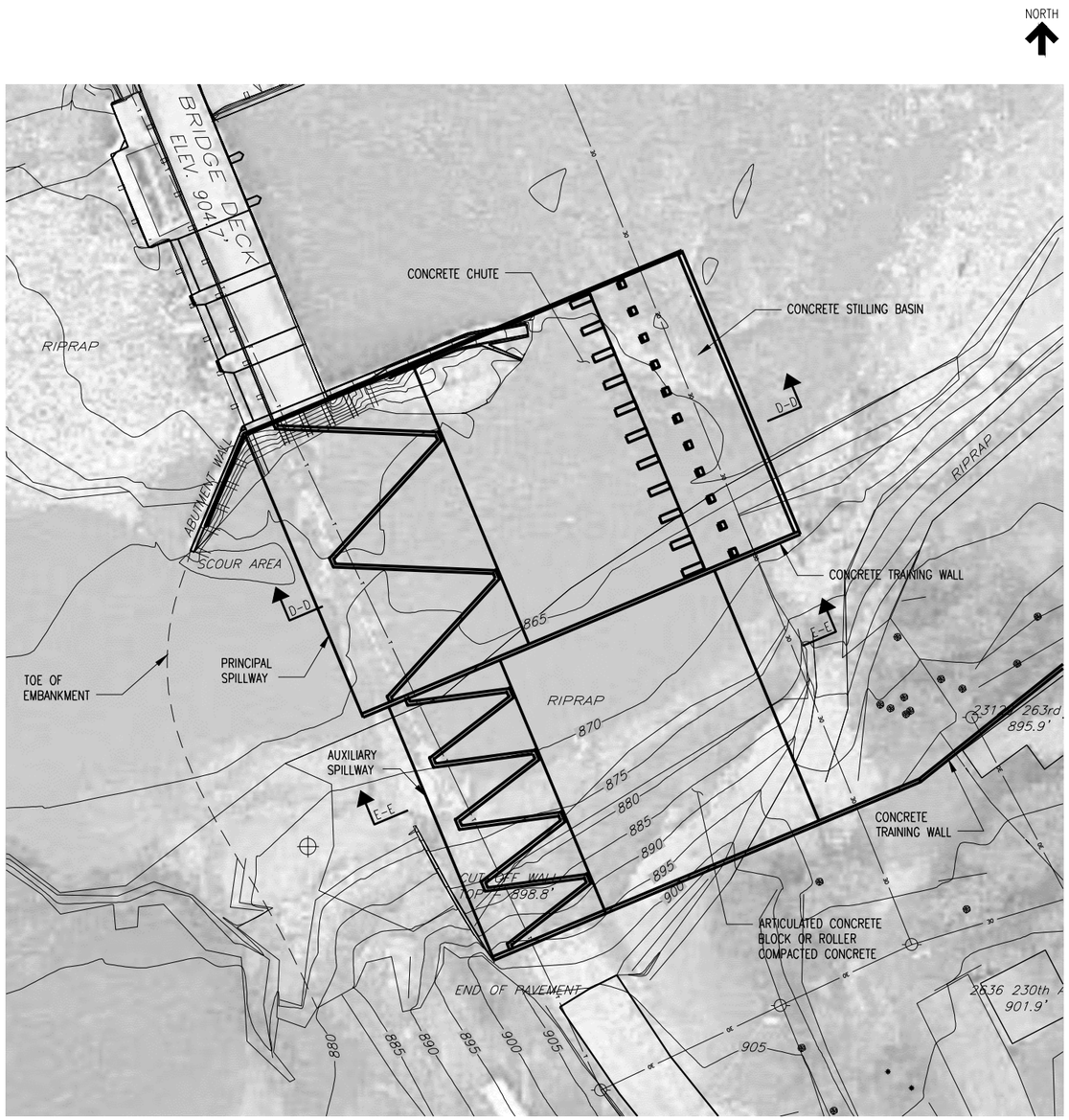
SCALE: 1" = 40'-0"

LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

EXHIBIT 4
NORTH EMBANKMENT
REINFORCED CONCRETE STRUCTURE
PLAN, SECTION, AND DETAIL

CADD D4-R3

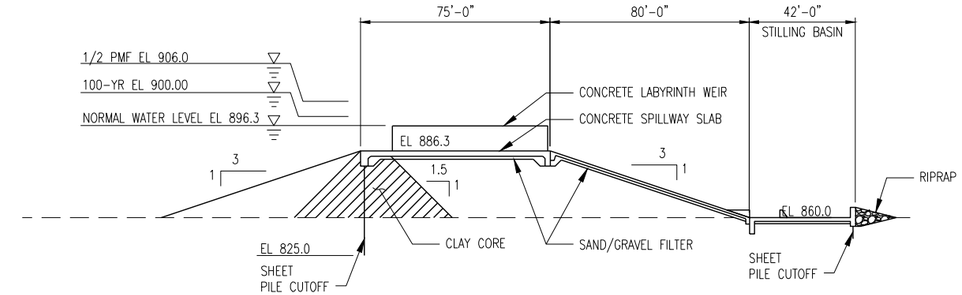
Stanley Consultants INC.



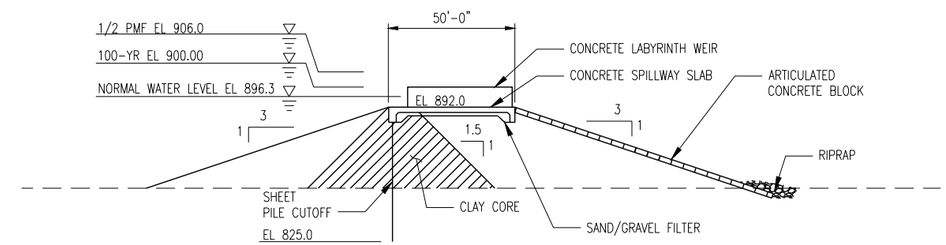
PLAN

0 15' 30' 60'

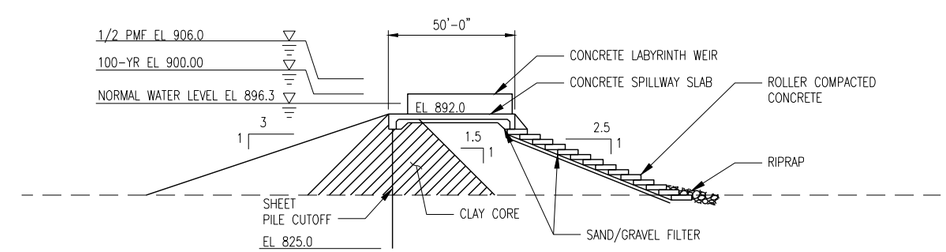
SCALE: 1" = 60' -0"



PRINCIPAL SPILLWAY
SECTION D-D



AUXILIARY SPILLWAY
ARTICULATED CONCRETE BLOCK OPTION
SECTION E-E



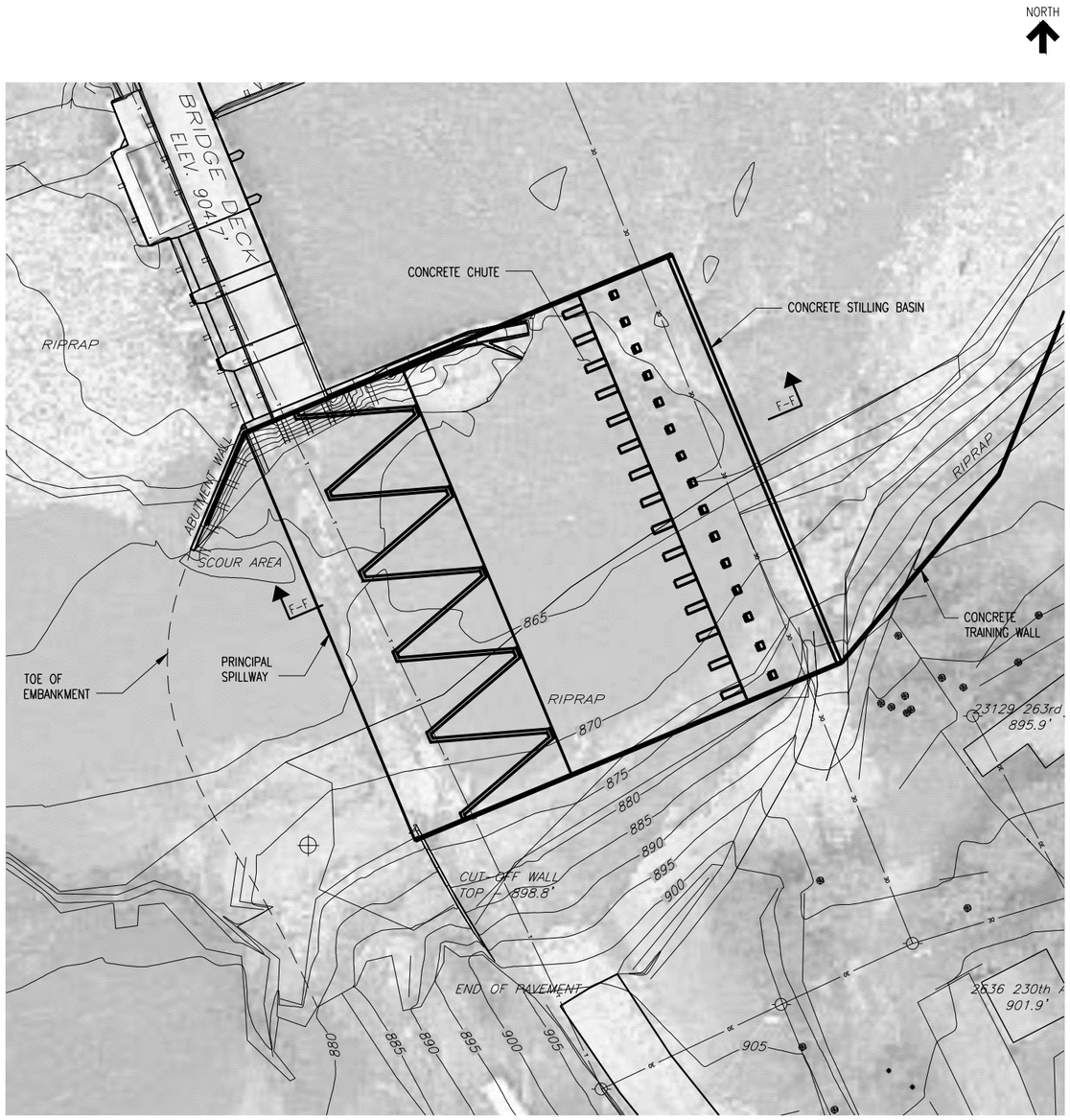
AUXILIARY SPILLWAY
ROLLER COMPACTED CONCRETE OPTION
SECTION E-E

LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

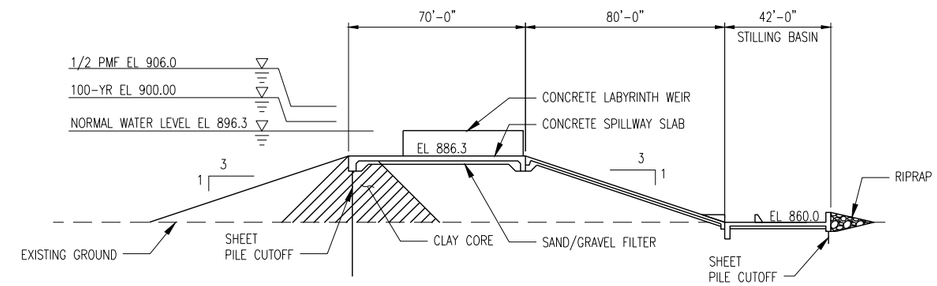
EXHIBIT 5
DUAL LABYRINTH SPILLWAY

CADD D4-R3

Stanley Consultants INC.



PLAN



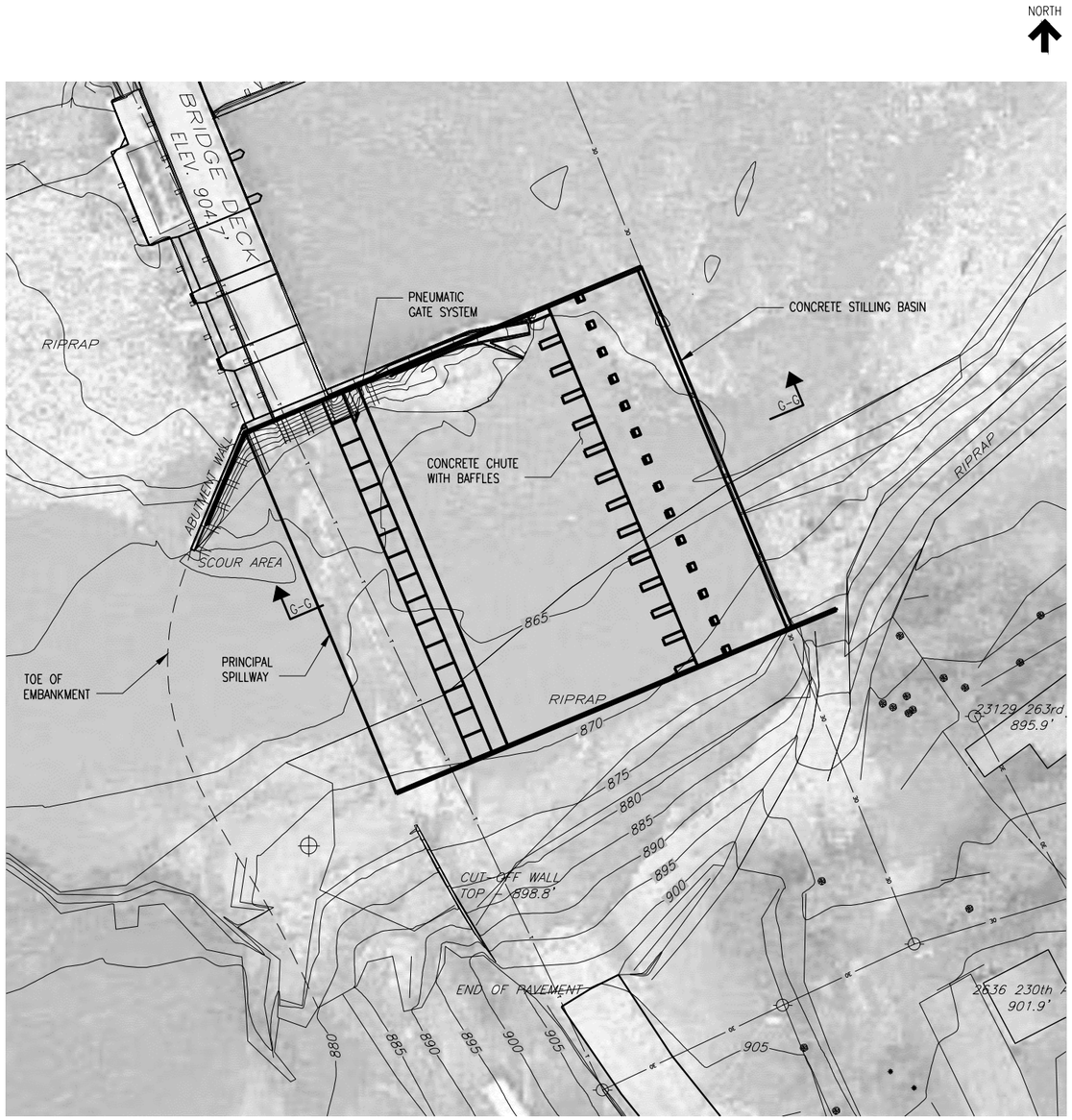
PRINCIPAL SPILLWAY
SECTION F-F

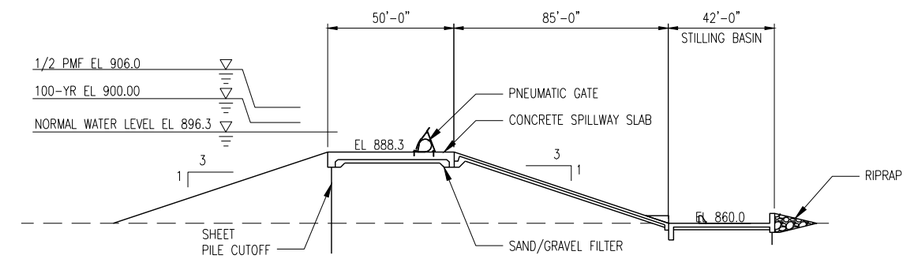
LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

EXHIBIT 6
SINGLE LABYRINTH SPILLWAY

CADD D4-R3

Stanley Consultants INC.





PRINCIPAL SPILLWAY
SECTION G-G

0 15' 30' 60'

SCALE: 1" = 60' -0"

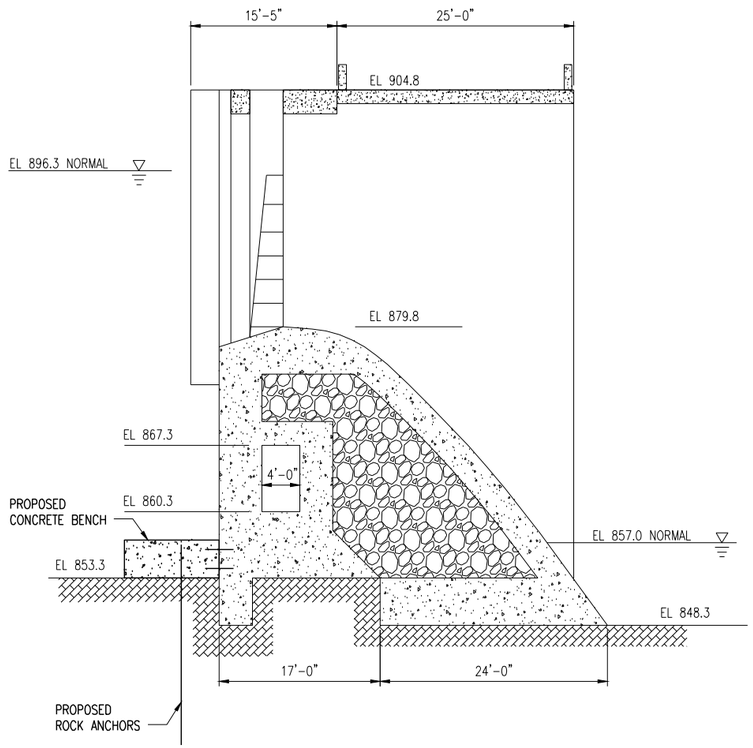
PLAN

LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

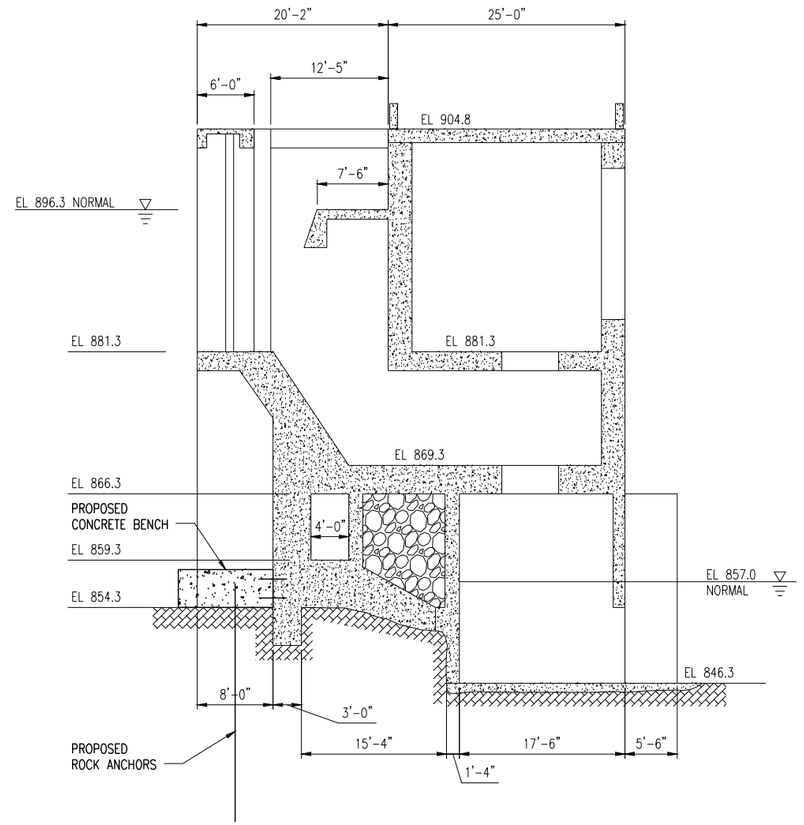
EXHIBIT 7
PNEUMATIC GATE SPILLWAY

CADD D4-R3

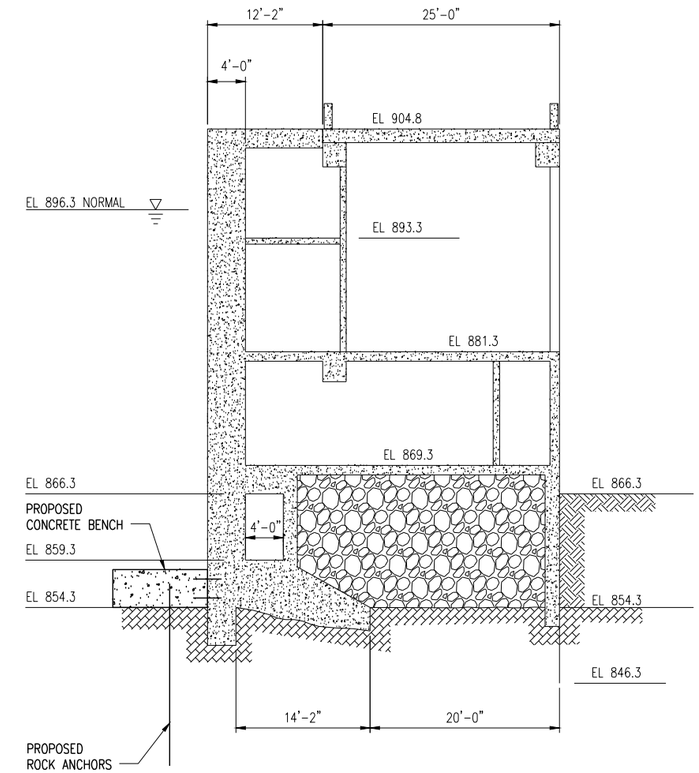
Stanley Consultants INC.



SPILLWAY SECTION



POWERHOUSE SECTION
(TURBINE CENTERLINE)



POWERHOUSE SECTION
(BOILER ROOM CENTERLINE)

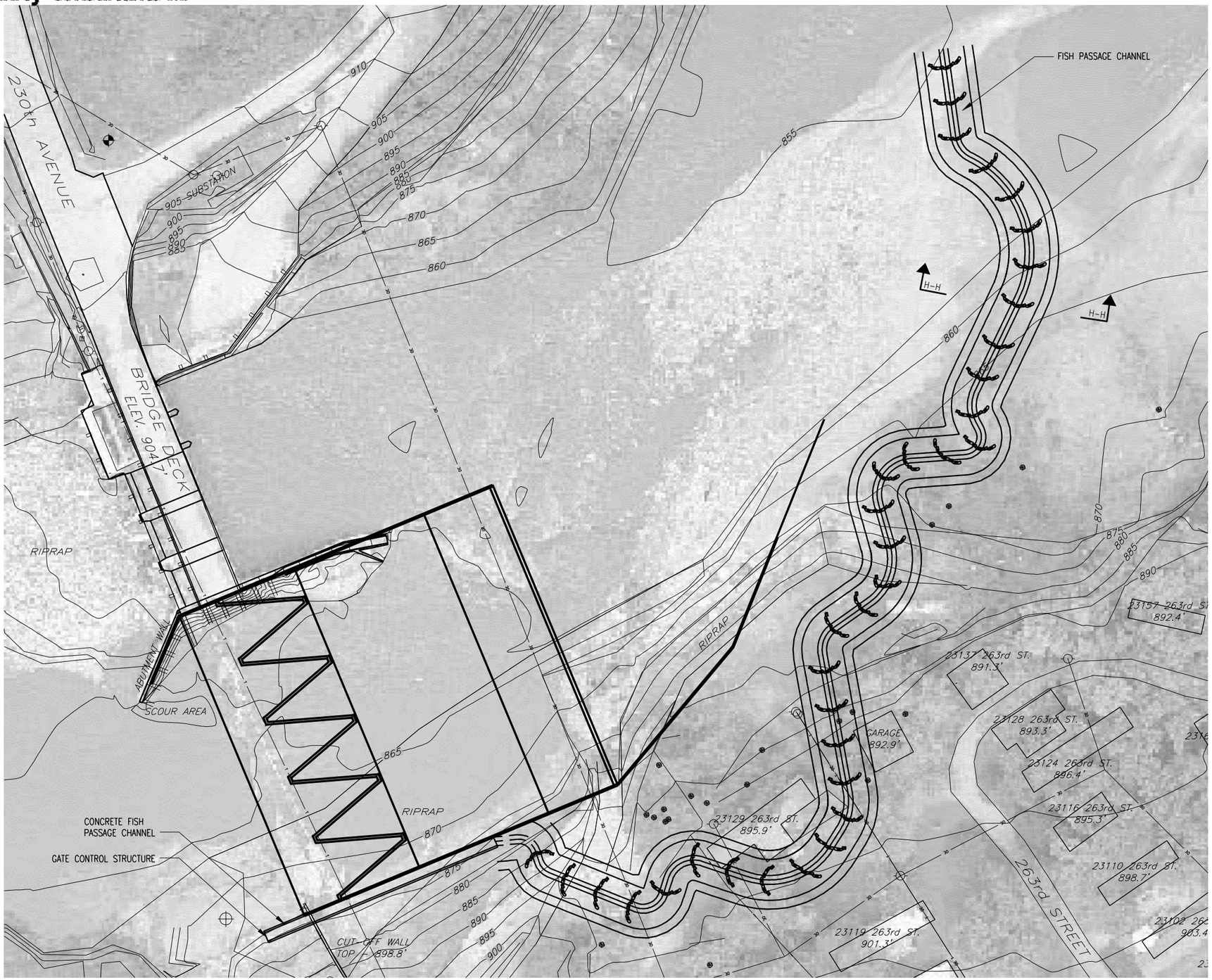
LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

EXHIBIT 8
SPILLWAY AND POWERHOUSE
STABILIZATION SECTIONS

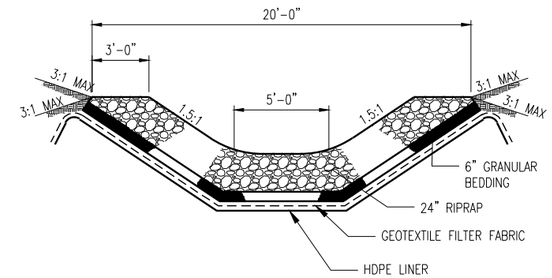
CADD D4-R3

Stanley Consultants INC.

NORTH



PLAN



FISH PASSAGE CHANNEL
SECTION H-H

0 15' 30' 60'

SCALE: 1" = 60'-0"

LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

EXHIBIT 9
FISH PASSAGE

CADD D4-R3

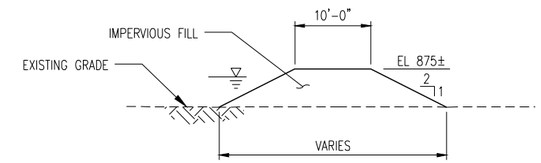
Stanley Consultants INC.

NORTH

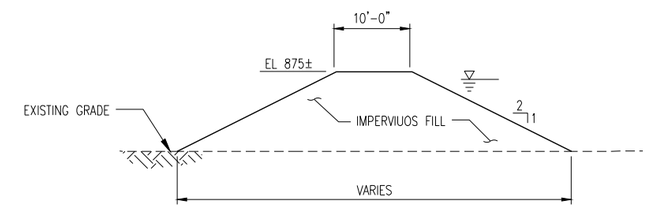
PLAN

0' 15' 30' 60'

SCALE: 1" = 60'-0"



SECTION A-A
PHASE 1 UPSTREAM COFFERDAM



SECTION B-B
PHASE 1 DOWNSTREAM COFFERDAM

NOTES:

1. OFF-SITE TEMPORARY CONSTRUCTION EASEMENTS MAY BE REQUIRED FOR CONSTRUCTION STAGING/ LAYDOWN AND STOCKPILE AREAS.
2. ARMOR SLOPES AT HIGH SHEAR LOCATIONS AS SHOWN.

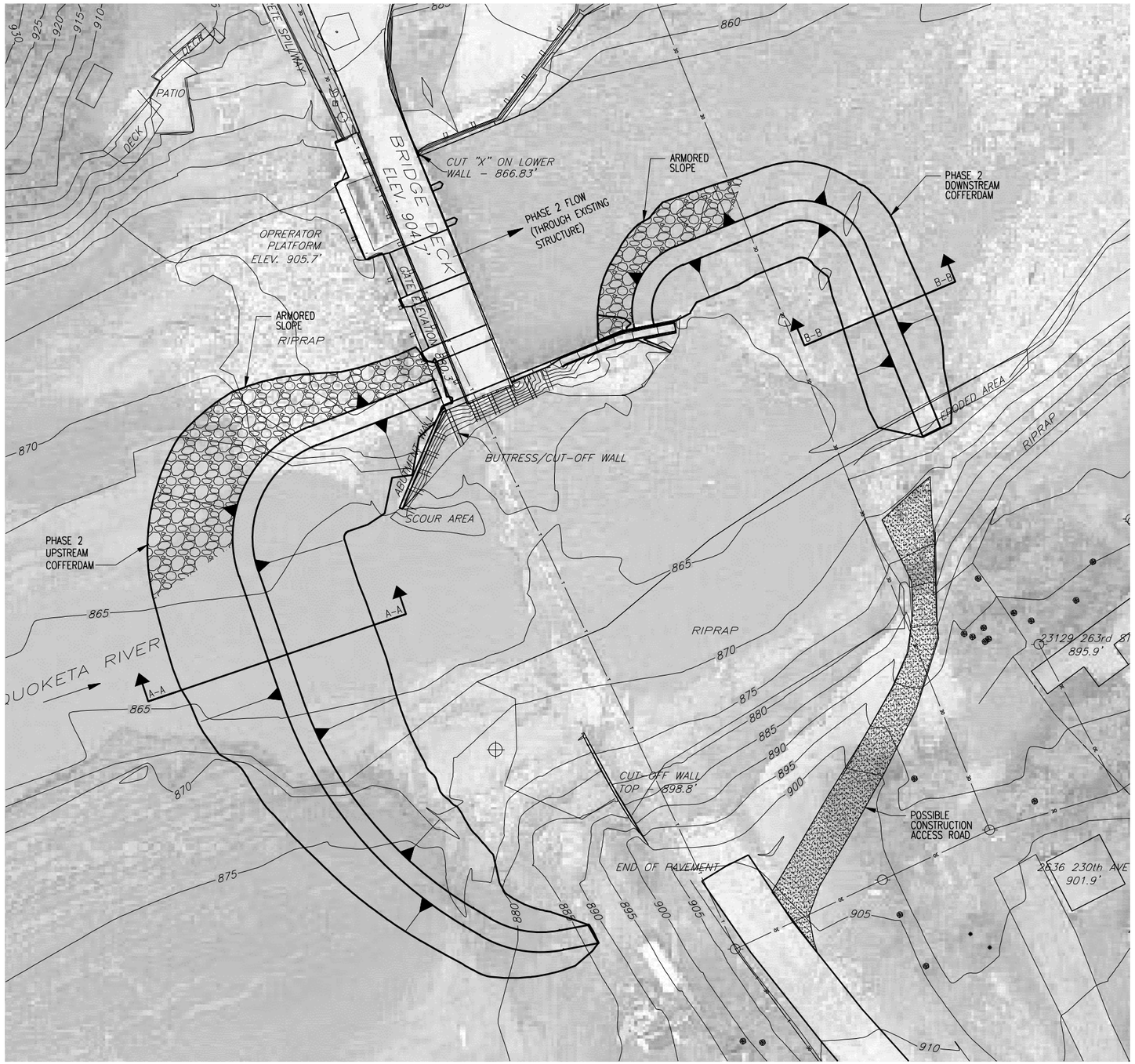
LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

EXHIBIT 10
CONSTRUCTION STAGING
PHASE 1 COFFERDAM

CADD D4-R3

Stanley Consultants INC.

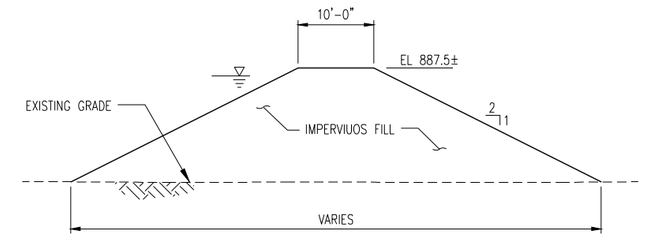
NORTH



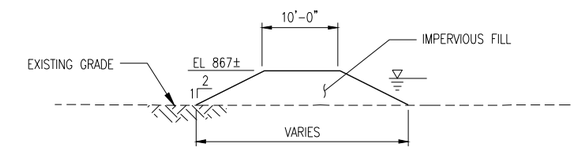
PLAN

0' 15' 30' 60'

SCALE: 1" = 60'-0"



SECTION A–A
PHASE 2 UPSTREAM COFFERDAM



SECTION B–B
PHASE 2 UPSTREAM COFFERDAM

NOTES:

1. OFF-SITE TEMPORARY CONSTRUCTION EASEMENTS MAY BE REQUIRED FOR CONSTRUCTION STAGING/ LAYDOWN AND STOCKPILE AREAS.
2. ARMOR SLOPES AT HIGH SHEAR LOCATIONS AS SHOWN.

LAKE DELHI DAM
RECONSTRUCTION ALTERNATIVES

EXHIBIT 11
CONSTRUCTION STAGING
PHASE 2 COFFERDAM

CADD D4-R3