

APPENDIX D

**Dam Cross Section Profiles and Preliminary
Design Layouts for Dam Structures and
Appurtenant Features**

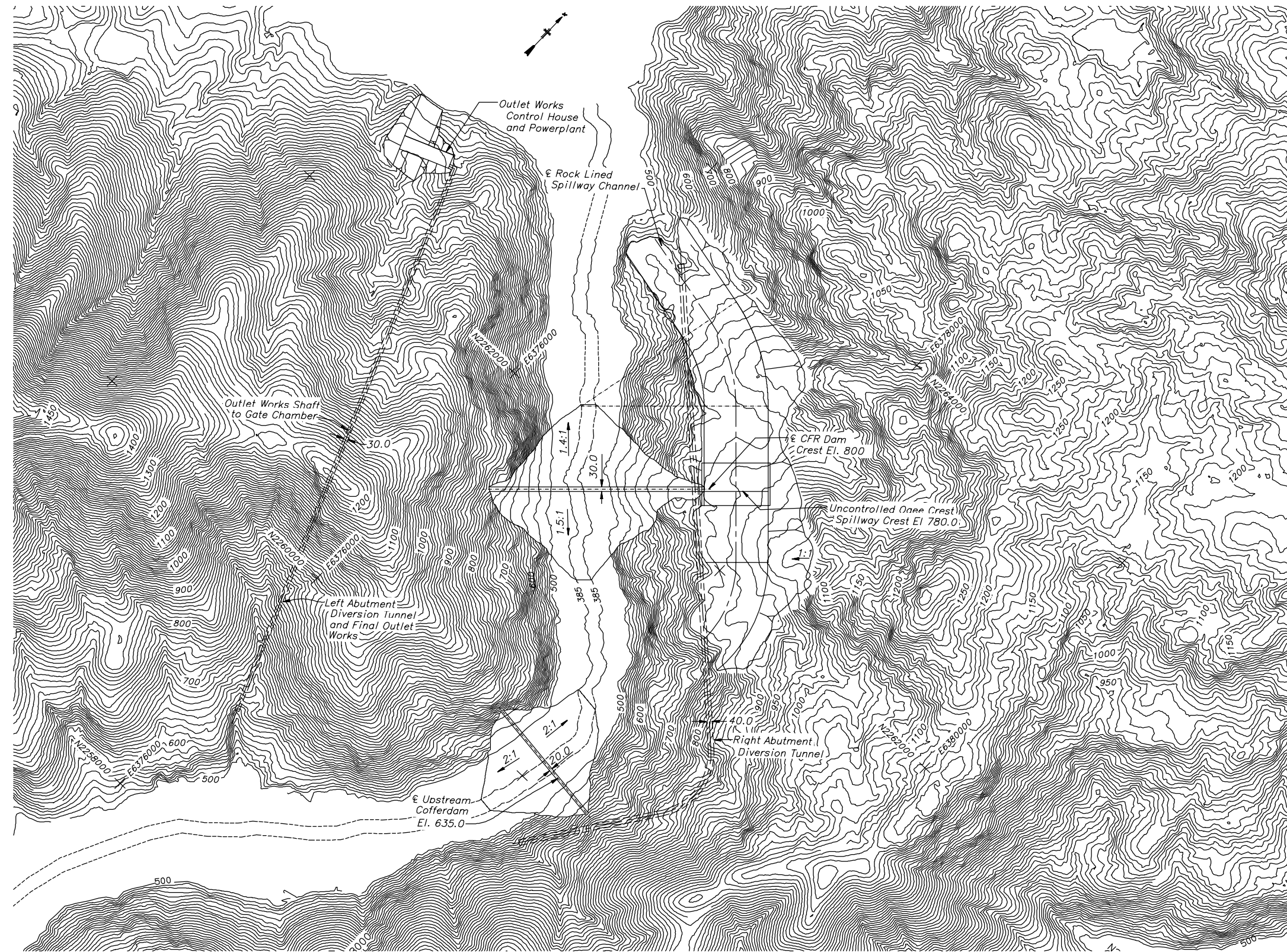
Temperance Flat Reservoir

Appendix D contains preliminary, pre-feasibility level design drawings of the dam structures and appurtenant features that are being considered as surface storage options in the Temperance Flat area. They were prepared in order to develop estimates of quantities of materials that would be needed to construct the features, for inclusion in construction cost estimates, and to facilitate future planning. Designs for retained options will be refined as the Investigation progresses.

Plan view layouts for the surface storage options are presented first, followed by a sample cross section profile for each dam type (CFRF, RCC, Arch).

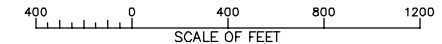
The figures are displayed in the following order:

- RM 274 CFRF crest elevation 800
- RM 274 CFRF crest elevation 1,100
- Spillway for RM 274 CFRF crest elevation 1,100
- RM 279 CFRF crest elevation 900
- RM 279 RCC crest elevation 900
- RM 279 CFRF crest elevation 1,100
- RM 279 RCC crest elevation 1,100
- RM 279 CFRF crest elevation 1,300
- RM 279 RCC crest elevation 1,300
- RM 286 CFRF crest elevation 1,200
- RM 286 RCC crest elevation 1,200
- RM 286 Arch crest elevation 1,200
- RM 286 CFRF crest elevation 1,400
- RM 286 RCC crest elevation 1,400
- RM 286 Arch crest elevation 1,400
- CFRF cross section profile
- RCC cross section profile
- Arch cross section profile



NOTES

Downstream cofferdam not shown. Downstream Cofferdam with crest elevation 578 will be incorporated into downstream dam embankment.



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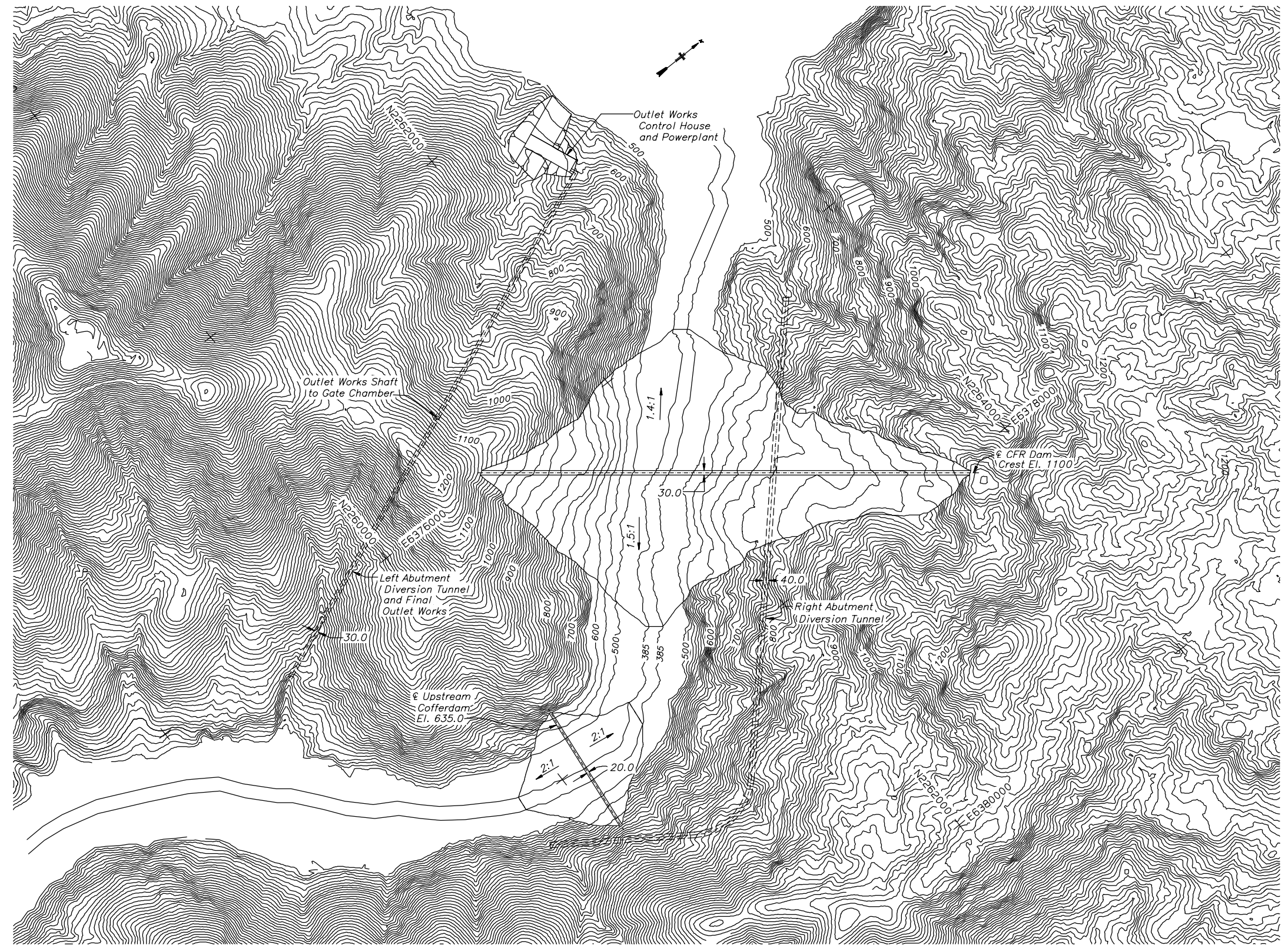
**LAYOUT FOR DAM STRUCTURE
AND APPURTENANT FEATURES**

**MP 274 CFR DAM
CREST EL. 800**

CADD SYSTEM
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DENVER, COLORADO SEPTEMBER 10, 2003

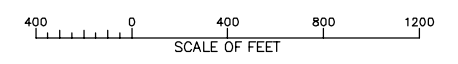
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NOTES

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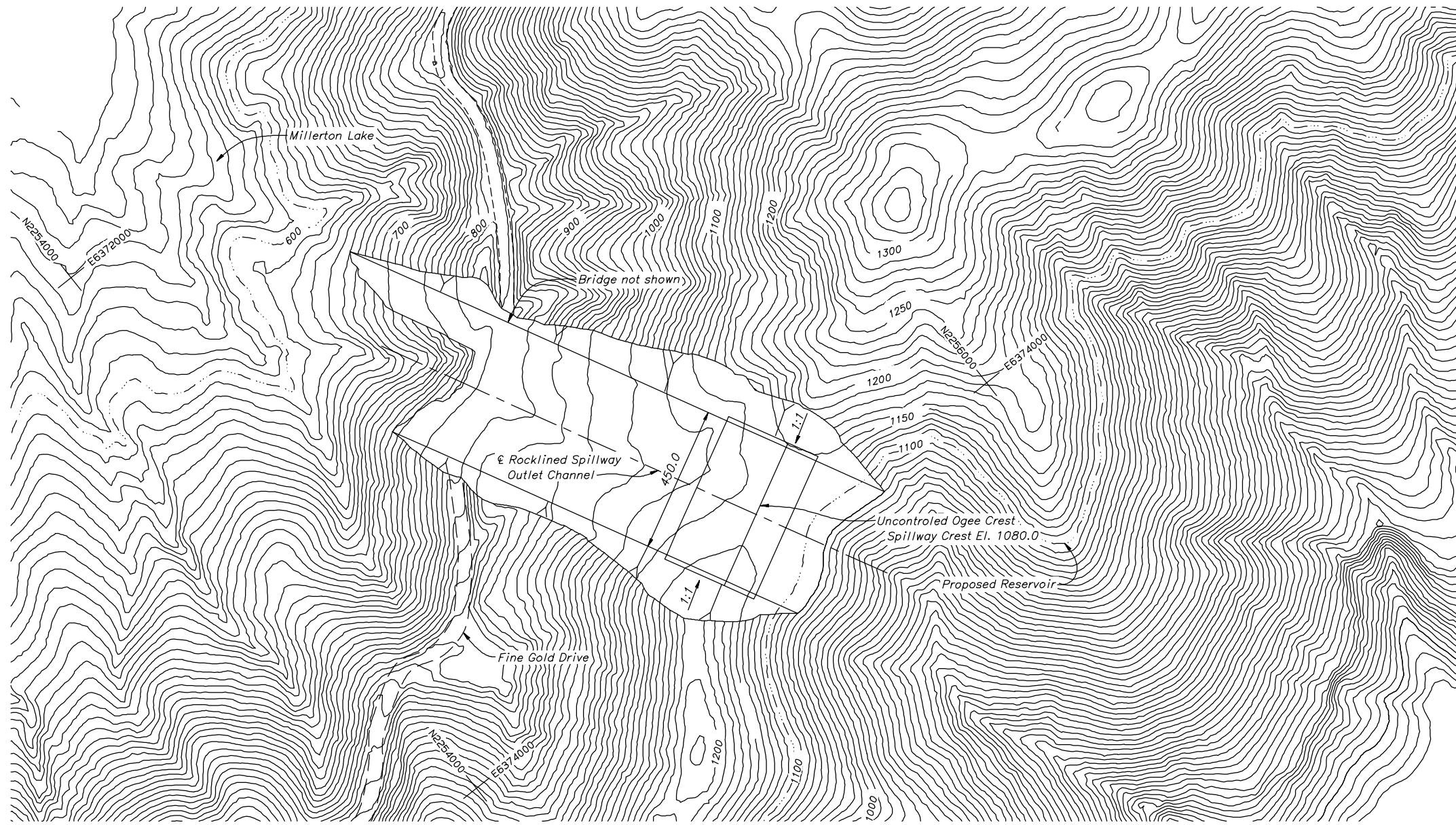
**LAYOUT FOR DAM STRUCTURE
AND APPURTENANT FEATURES**

**MP 274 CFR DAM
CREST EL. 1100**

CADD SYSTEM
Autocad
DENVER, COLORADO SEPTEMBER 10, 2003

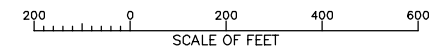
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274DAM1100.dgn

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NOTES

Spillway outlet channel will pass under new bridge that maintains access to park and residences. Bridge not shown.



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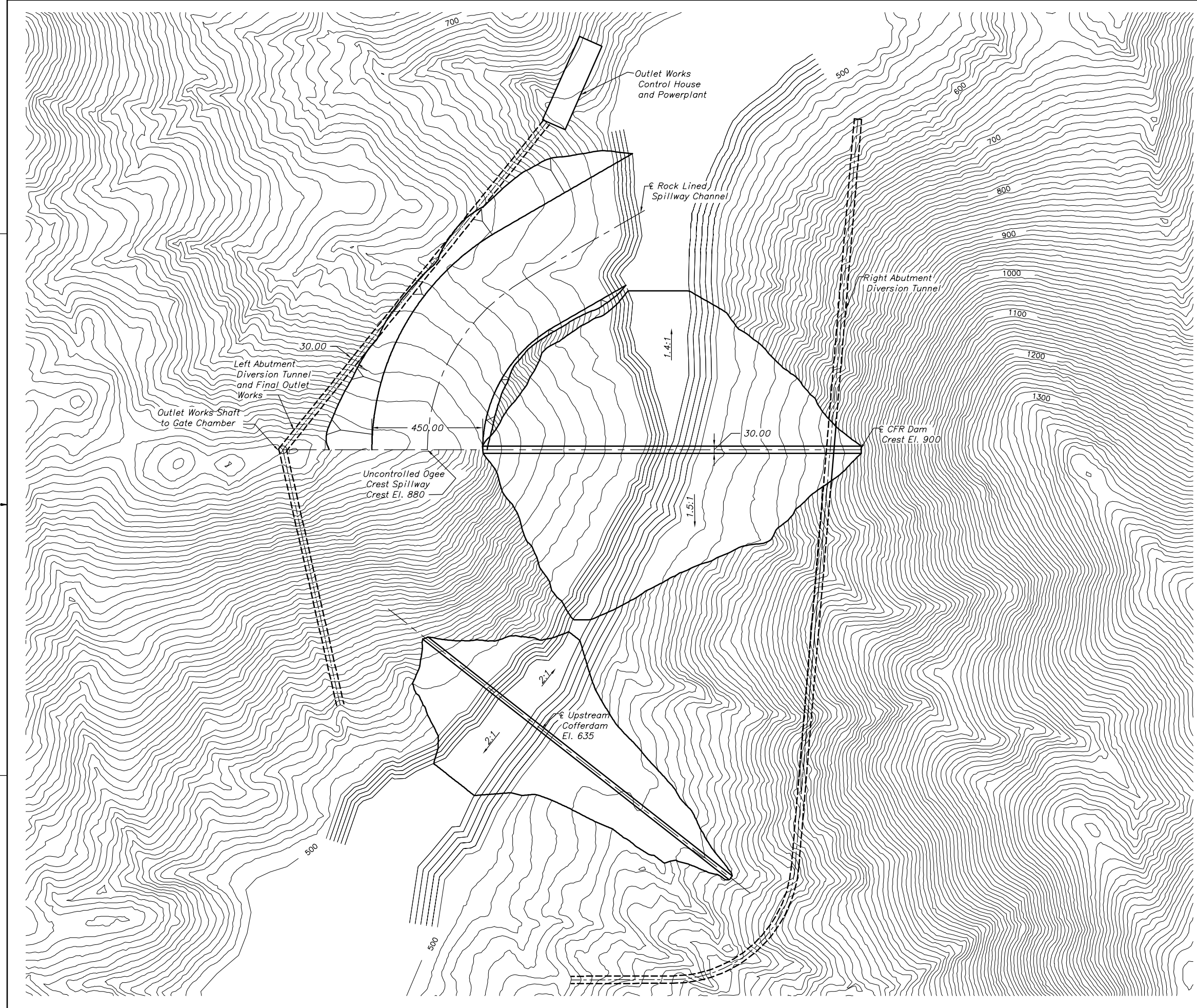
LAYOUT FOR SPILLWAY

SPILLWAY FOR
MP 274 CFR DAM
CREST EL. 1100

CADD SYSTEM
Autocad
DENVER, COLORADO SEPTEMBER 10, 2003

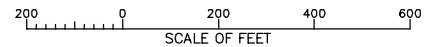
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NOTES

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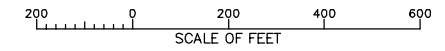
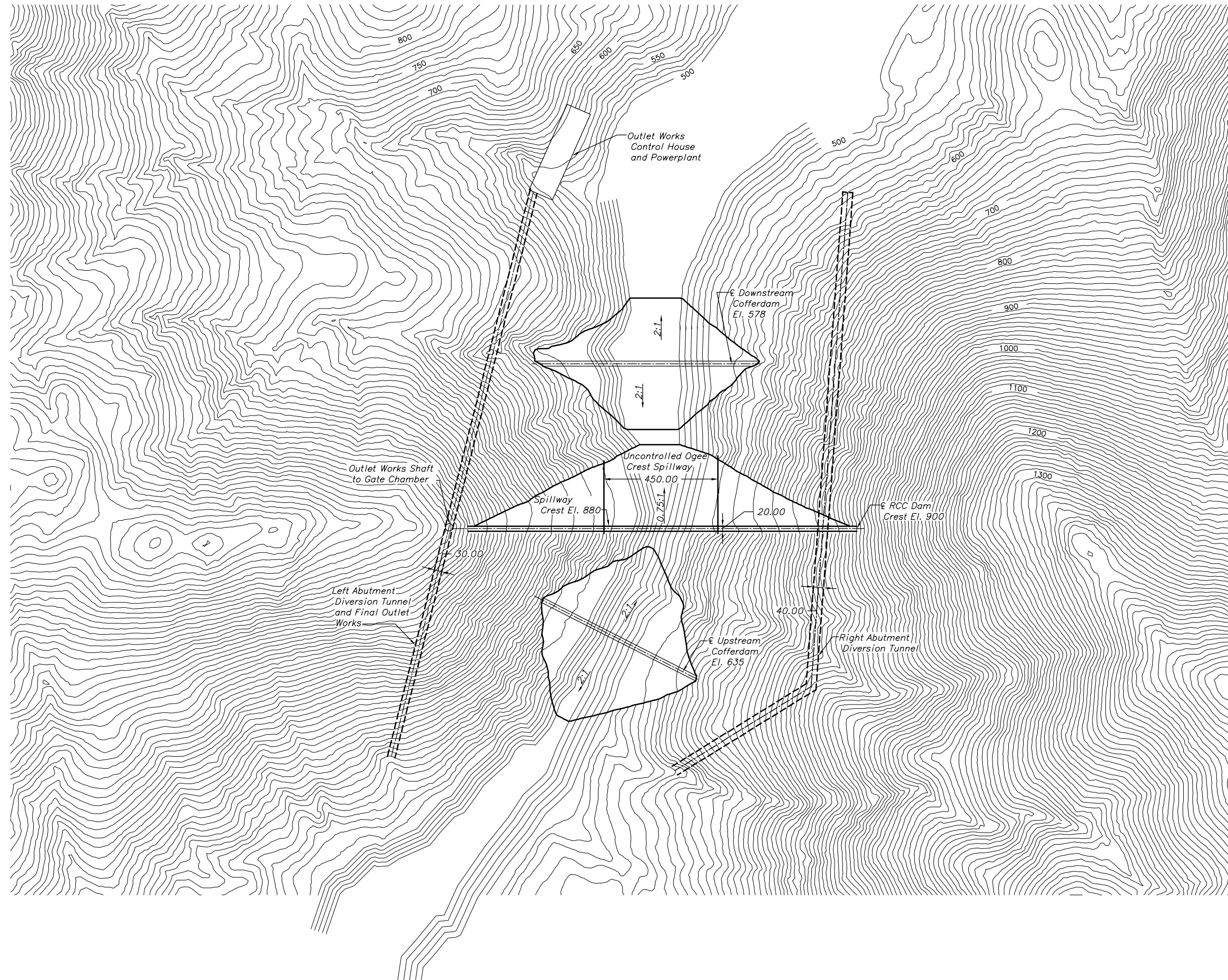
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**LAYOUT FOR DAM STRUCTURE
AND APPURTENANT FEATURES**

**MP 279 CFR DAM
CREST EL. 900**

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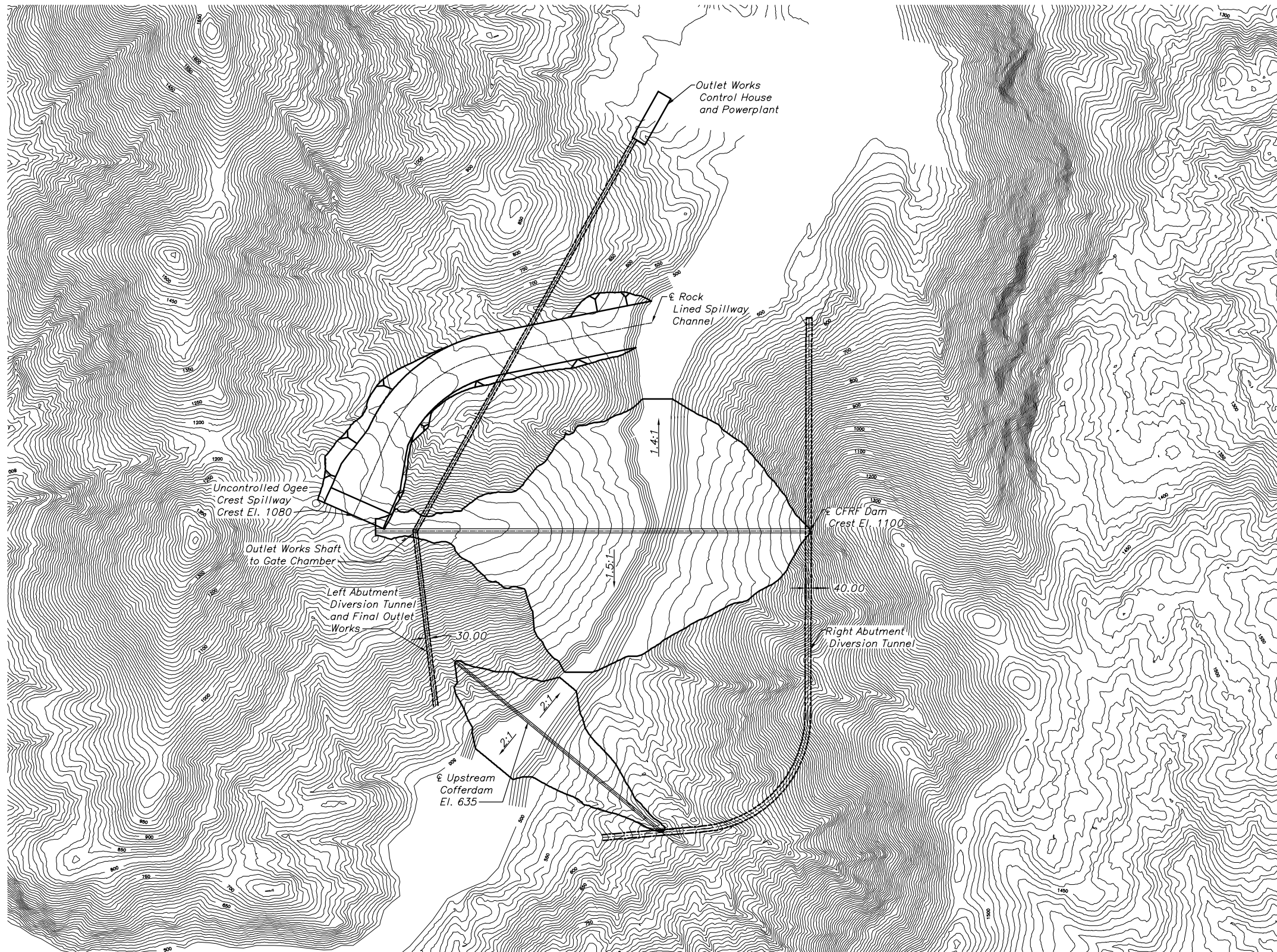
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LAYOUT FOR DAM STRUCTURE
AND APPURTENANT FEATURES

MP 279 RCC DAM
CREST EL. 900

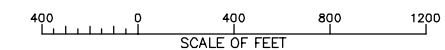
CADD SYSTEM AutoCAD	CADD FILENAME
DENVER, COLORADO	SEPTEMBER 25, 2002

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10-01-02
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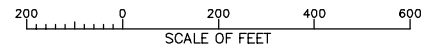
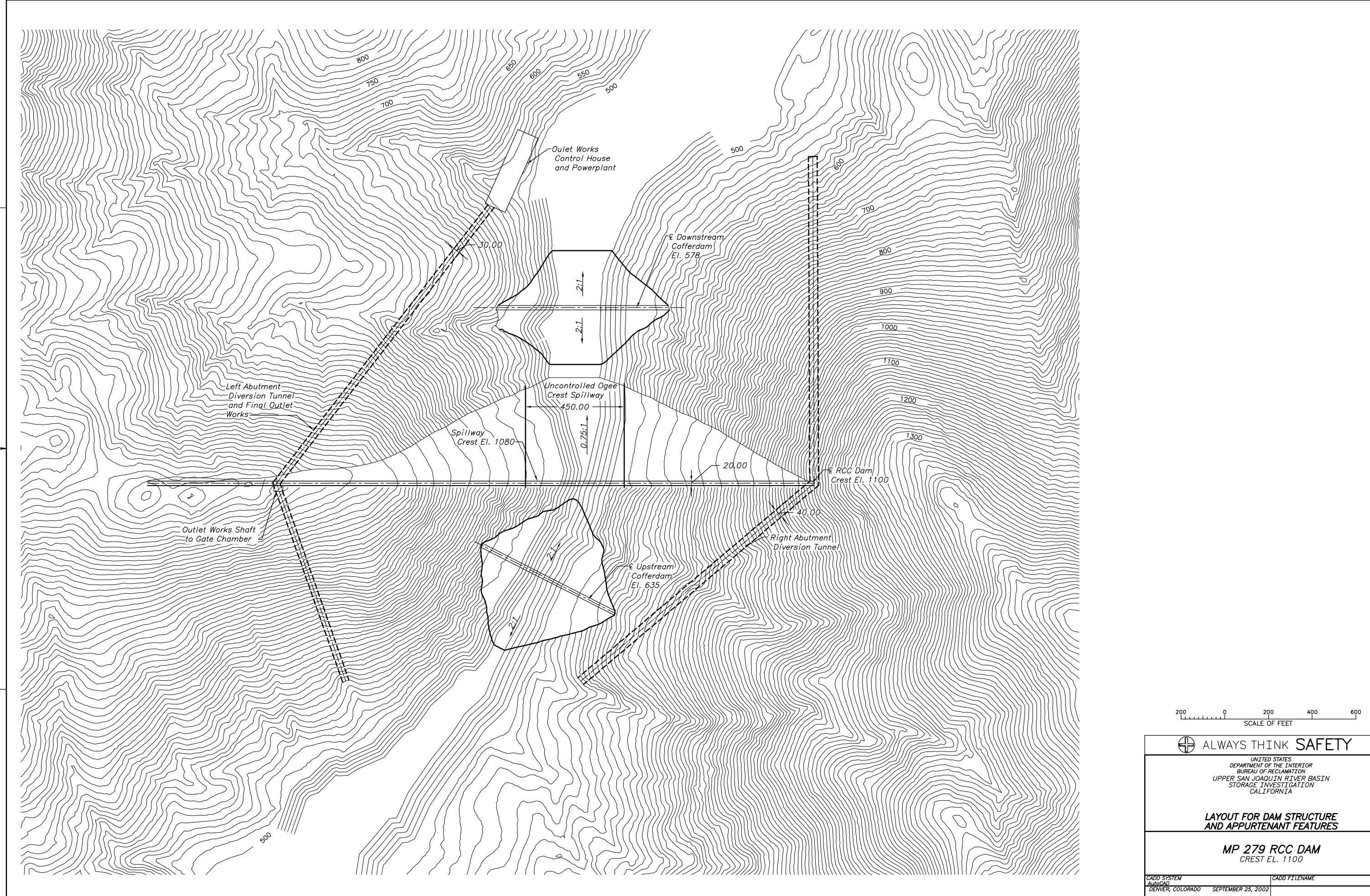
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**MP 279 CFR DAM
CREST EL. 1100**

CADD SYSTEM
AutoCAD
DENVER, COLORADO

SEPTEMBER 25, 2002

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LAYOUT FOR DAM STRUCTURE
AND APPURTENANT FEATURES

MP 279 RCC DAM
CREST EL. 1100

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DENVER, COLORADO SEPTEMBER 25, 2002

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