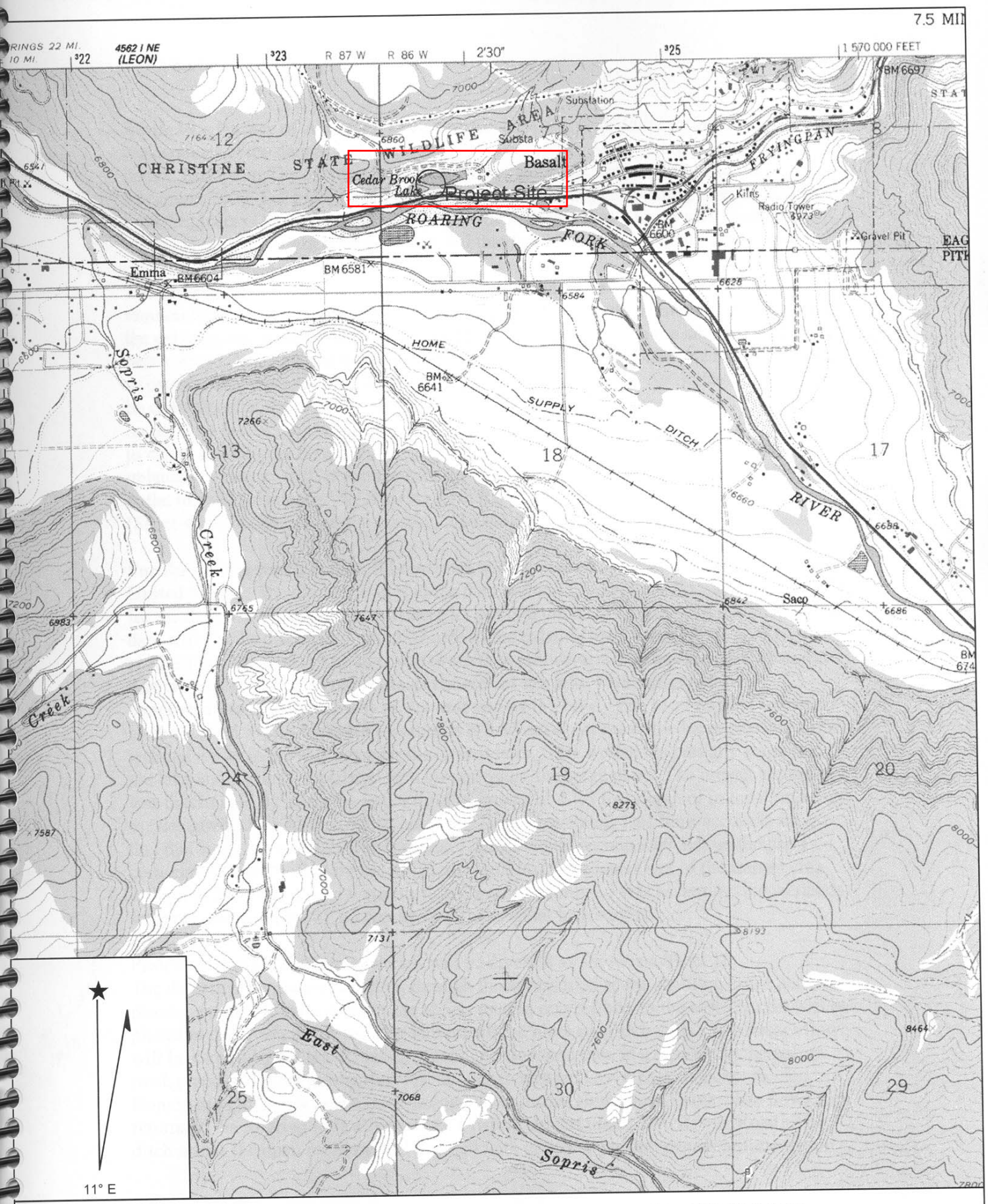

Name: BASALT
Date: 12/27/2004
Scale: 1 inch equals 2000 feet

Location: 039° 21' 01.2" N 107° 02' 32.4" W
Caption: Figure 1.
Lake Christine Dam Replacement

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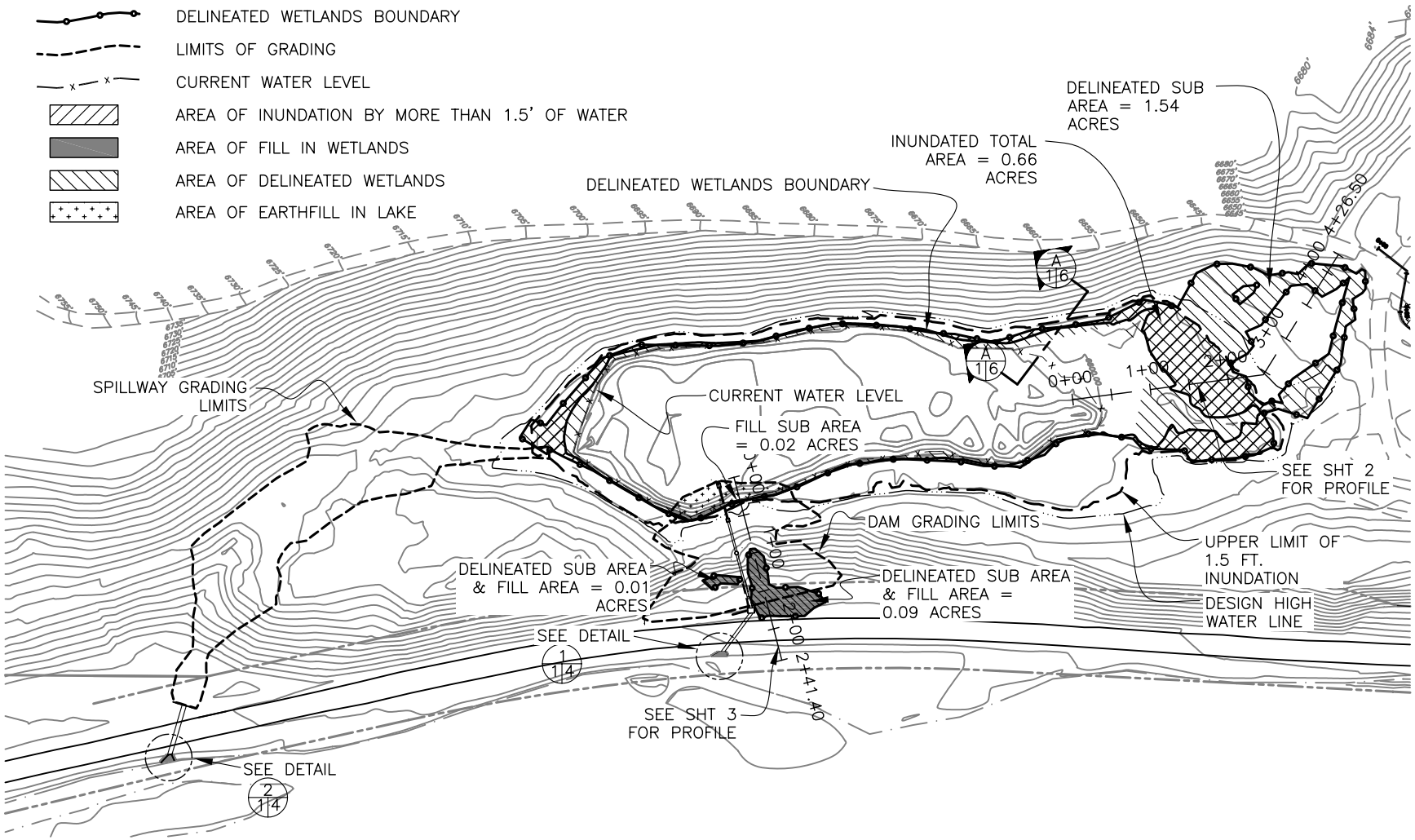
LEGEND

- UPPER LIMITS OF 1.5' DEEP INUNDATION EL=6605.5
- LOWER LIMITS OF 1.5' DEEP INUNDATION EL=6602.0 AT HISTORIC LAKE LEVEL
- DESIGN HIGH WATER LINE EL=6607.0
- DELINEATED WETLANDS BOUNDARY
- LIMITS OF GRADING
- CURRENT WATER LEVEL
- AREA OF INUNDATION BY MORE THAN 1.5' OF WATER
- AREA OF FILL IN WETLANDS
- AREA OF DELINEATED WETLANDS
- AREA OF EARTHFILL IN LAKE



SITE PLAN

CONTOUR INTERVAL = 5'

100' 0 100' 200'

SCALE IN FEET

NORTH

AREA TOTALS:

DELINEATED WETLANDS	= 1.66 AC
INUNDATED WETLANDS (BY MORE THAN 1.5' OF WATER)	= 0.66 AC
FILLED WETLANDS	= 0.12 AC

		DATE
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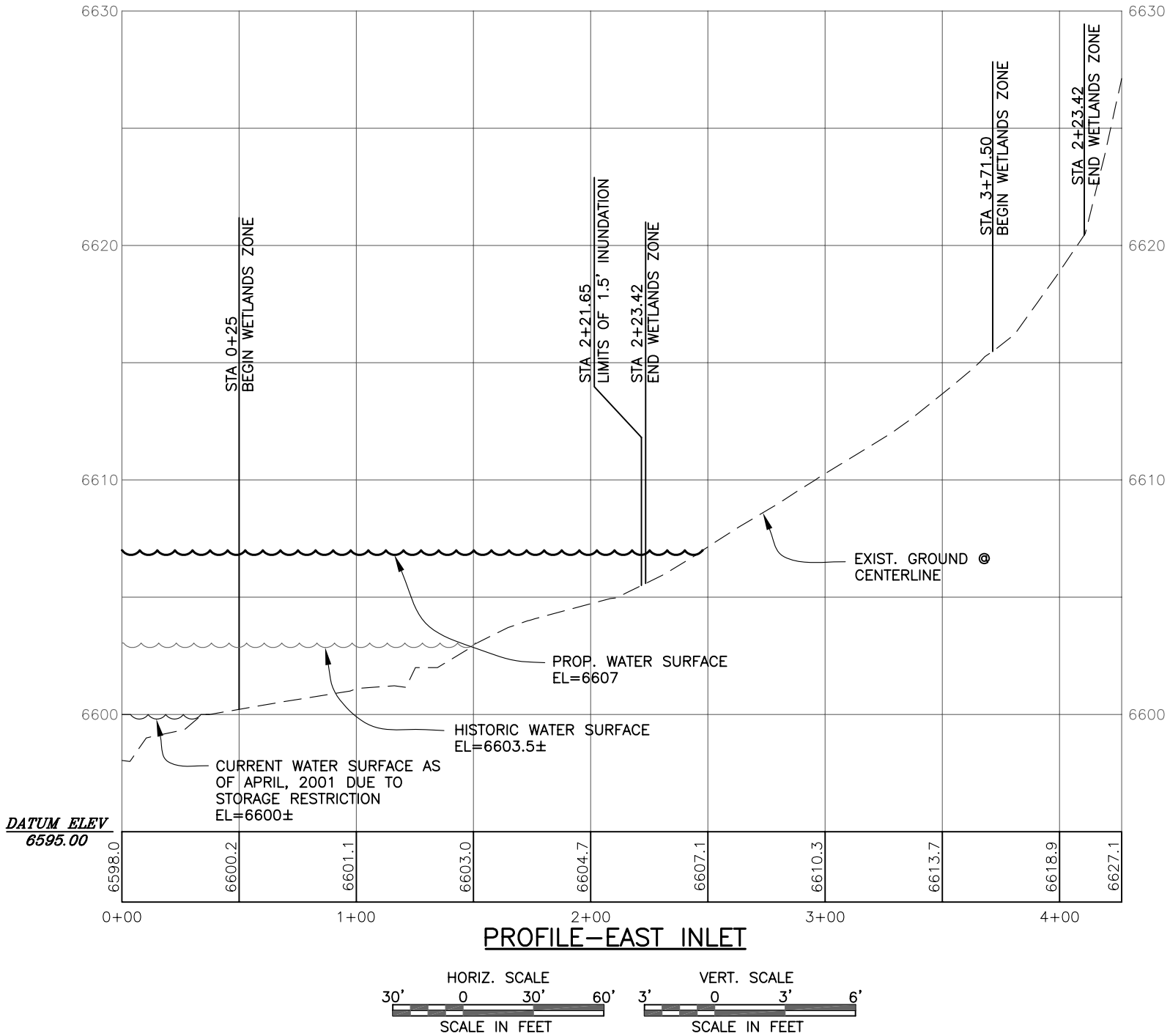
SHEET	1 OF 10	

LAKE CHRISTINE
DAM REPLACEMENT
SITE PLAN

STATE OF COLORADO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE
DENVER, COLORADO



PROFILE–EAST INLET

HORIZ. SCALE
30' 0 30' 60'
SCALE IN FEET

VERT. SCALE
3' 0 3' 6'
SCALE IN FEET

		DATE
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SHEET 2 OF 10		

LAKE CHRISTINE
DAM REPLACEMENT
PROFILE–EAST INLET

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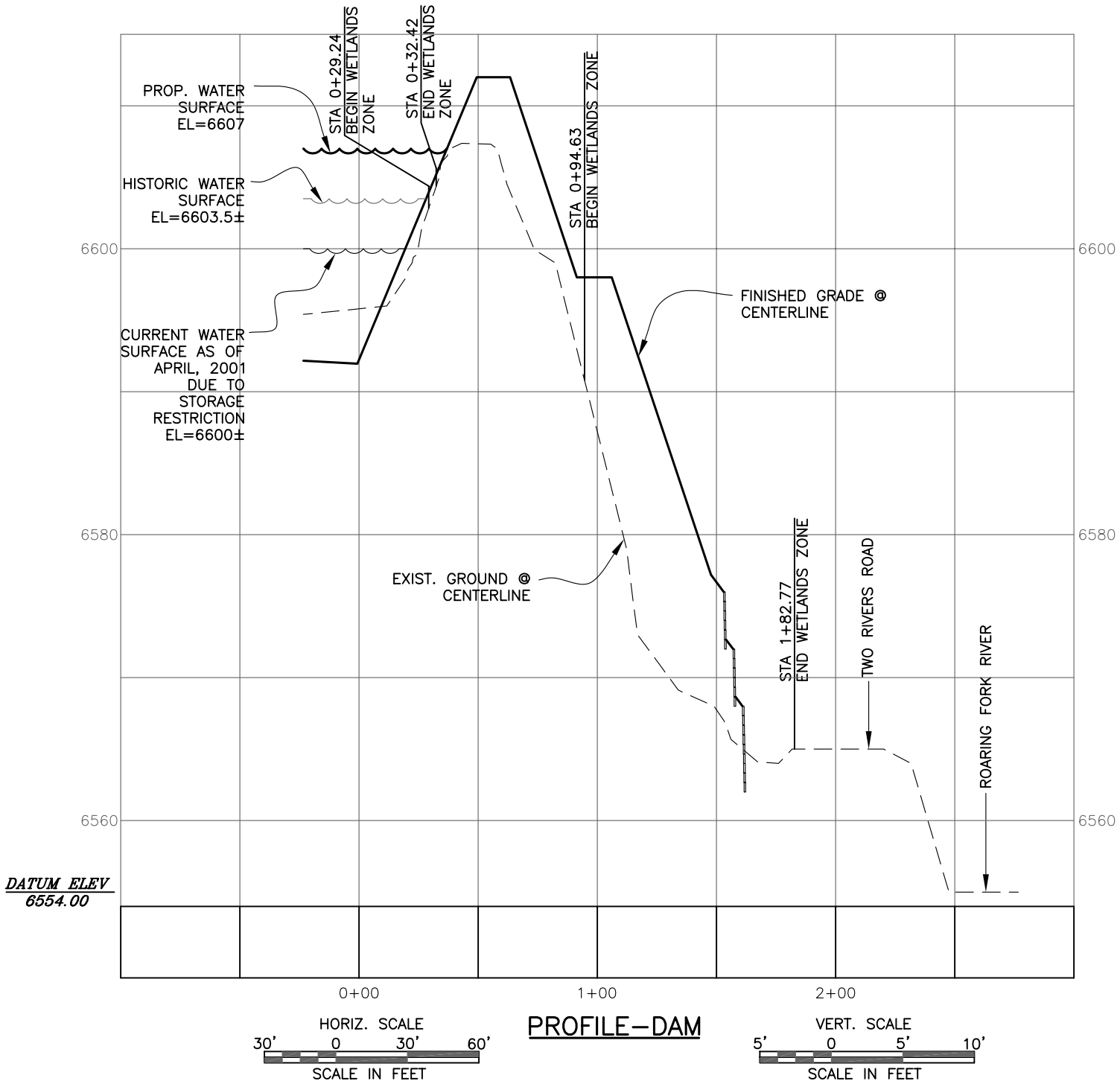

PROFILE–DAM

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LAKE CHRISTINE
DAM REPLACEMENT
PROFILE–DAM

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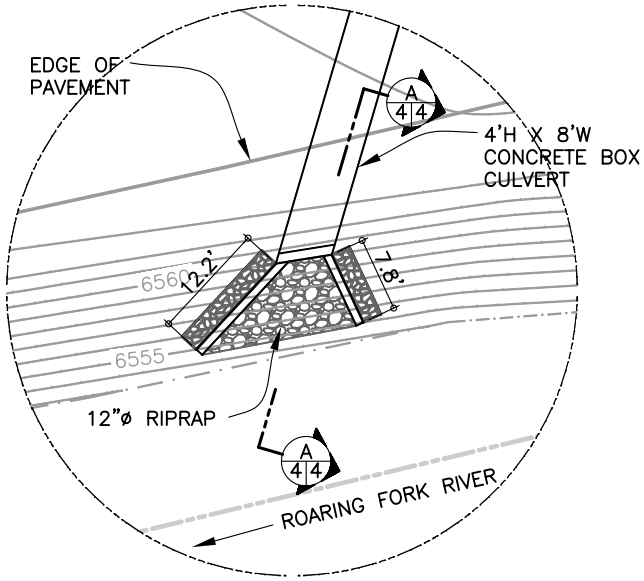


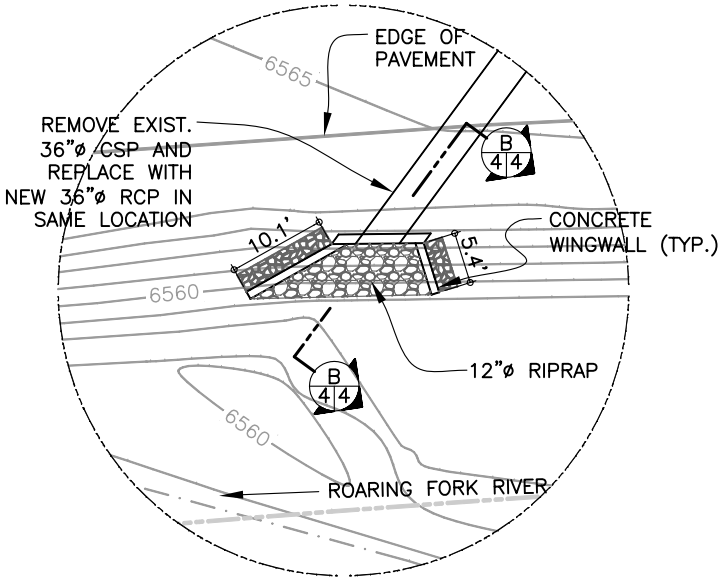
DETAIL 2 | 1|4

NORTH

CONTOUR INTERVAL = 1'

10 0 10 20

SCALE IN FEET



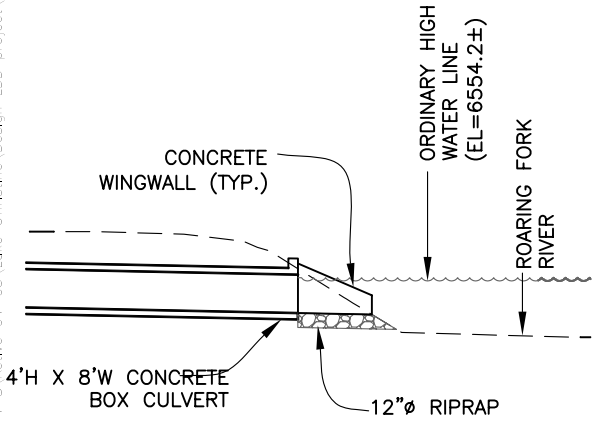
DETAIL 1 | 1|4

NORTH

CONTOUR INTERVAL = 1'

10 0 10 20

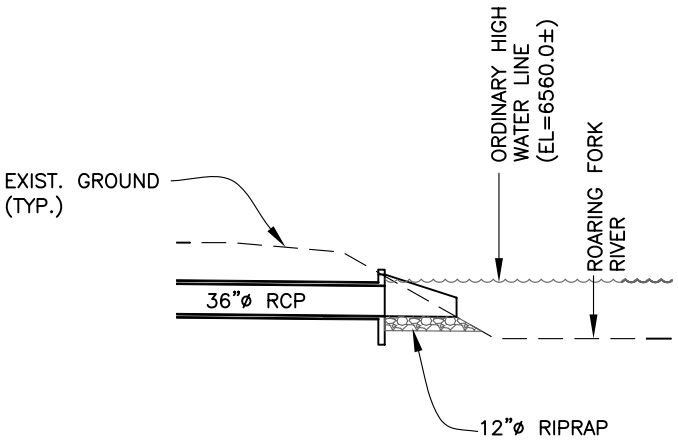
SCALE IN FEET



SECTION A 4|4 A 4|4

10 0 10 20

SCALE IN FEET



SECTION B 4|4 B 4|4

10 0 10 20

SCALE IN FEET

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SHEET	4 OF 10	

LAKE CHRISTINE DAM REPLACEMENT OULTLET STRUCT. DETAILS

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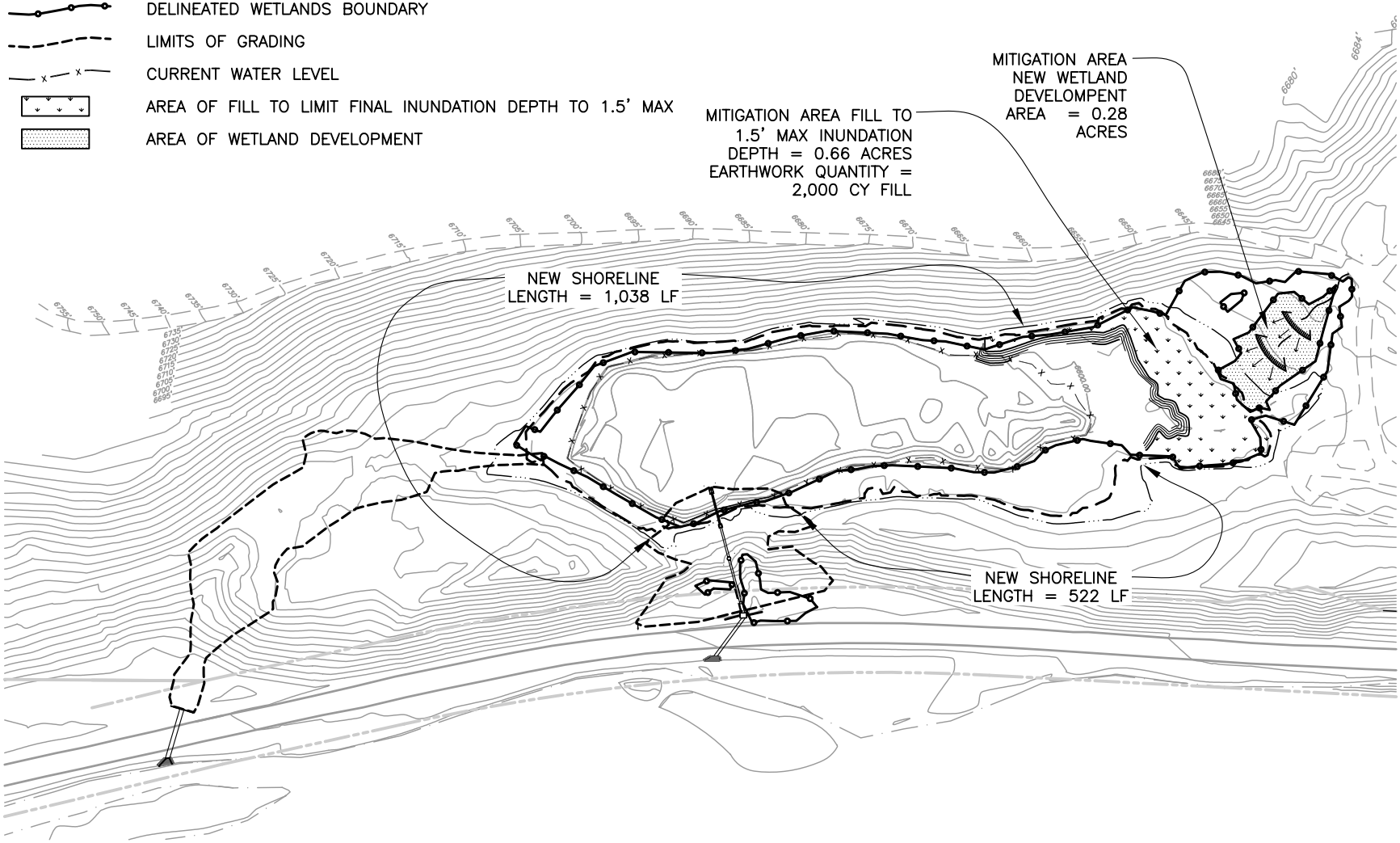
LEGEND

- LIMITS OF 1.5' DEEP INUNDATION
- DESIGN HIGH WATER LINE
- DELINEATED WETLANDS BOUNDARY
- LIMITS OF GRADING
- CURRENT WATER LEVEL
- AREA OF FILL TO LIMIT FINAL INUNDATION DEPTH TO 1.5' MAX
- AREA OF WETLAND DEVELOPMENT



SITE PLAN

CONTOUR INTERVAL = 5'

100' 0 100' 200'

SCALE IN FEET

NORTH

AREA TOTALS:

WETLAND DEVELOPMENT	= 0.28 AC
FILLED TO 1.5 MAX DEPTH	= 0.66 AC
TOTAL	= 0.94 AC

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LAKE CHRISTINE DAM REPLACEMENT PLAN–MITIGATION

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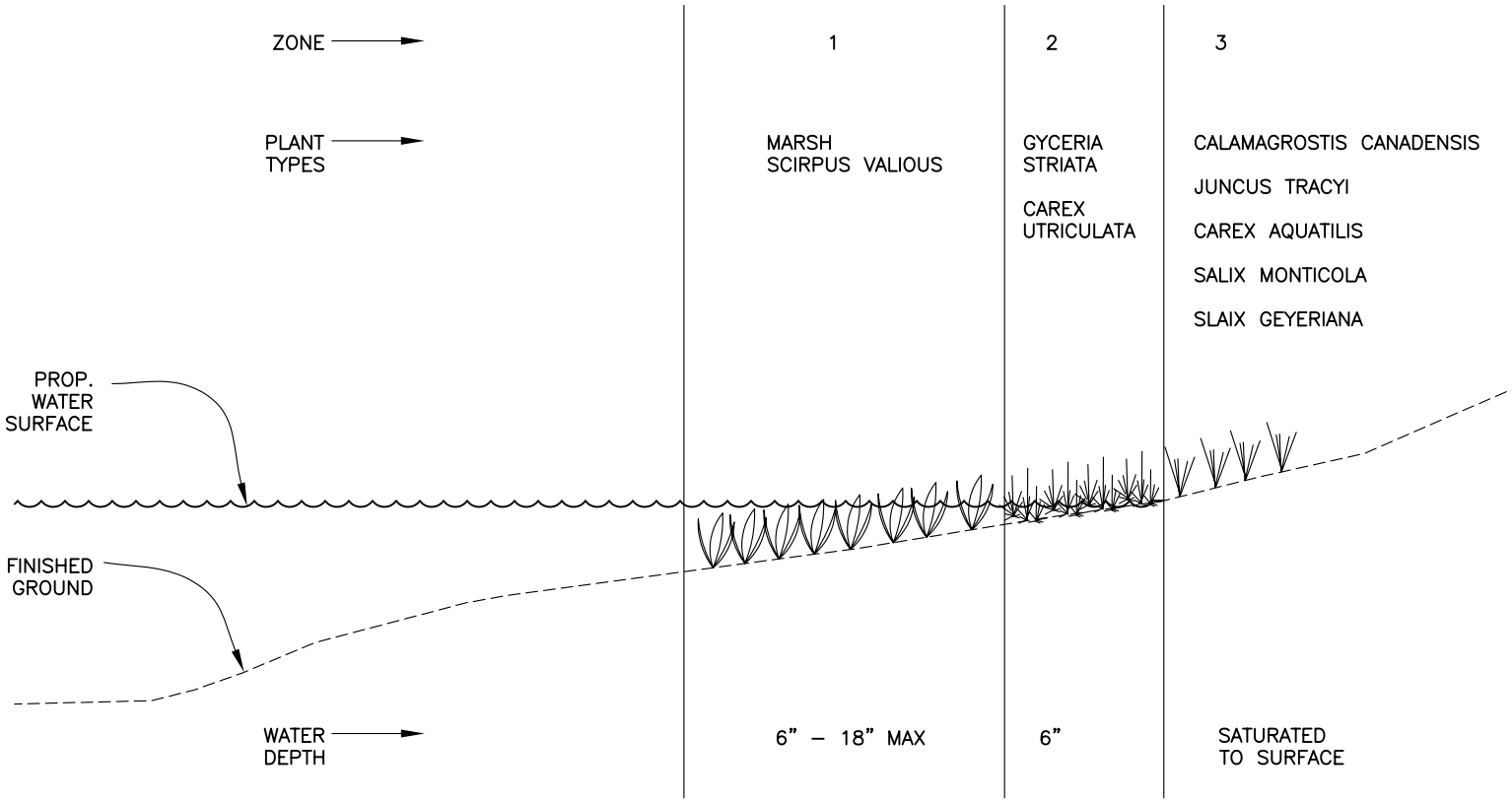

SECTION A 1|6 A 1|6

2 0 2 4

SCALE IN FEET

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LAKE CHRISTINE DAM REPLACEMENT WETLANDS PLANTING

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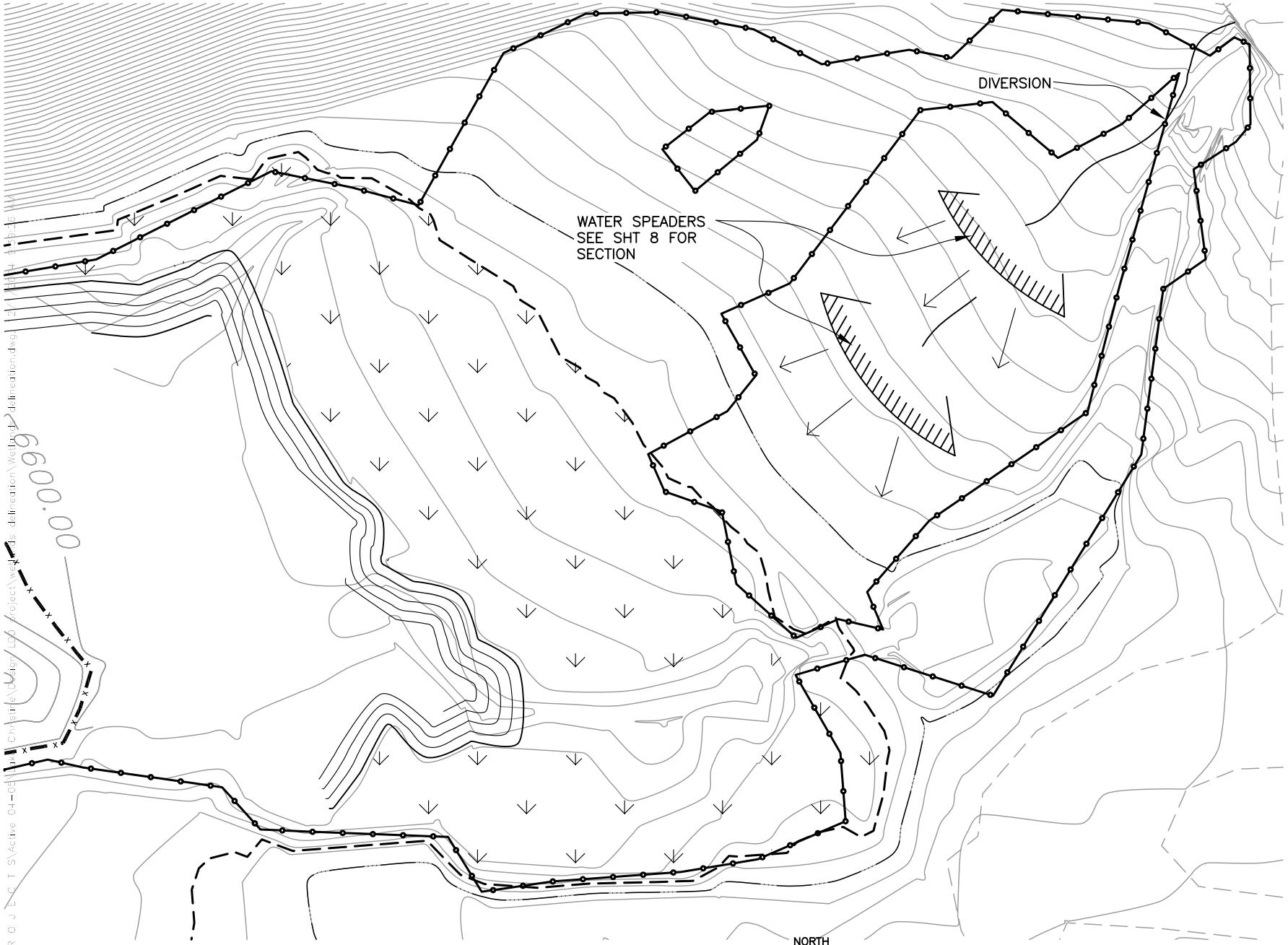

PLAN – EAST BAY

CONTOUR INTERVAL = 1'

20 0 20 40

SCALE IN FEET

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LAKE CHRISTINE
DAM REPLACEMENT
DETAIL–EAST BAY

STATE OF COLORADO
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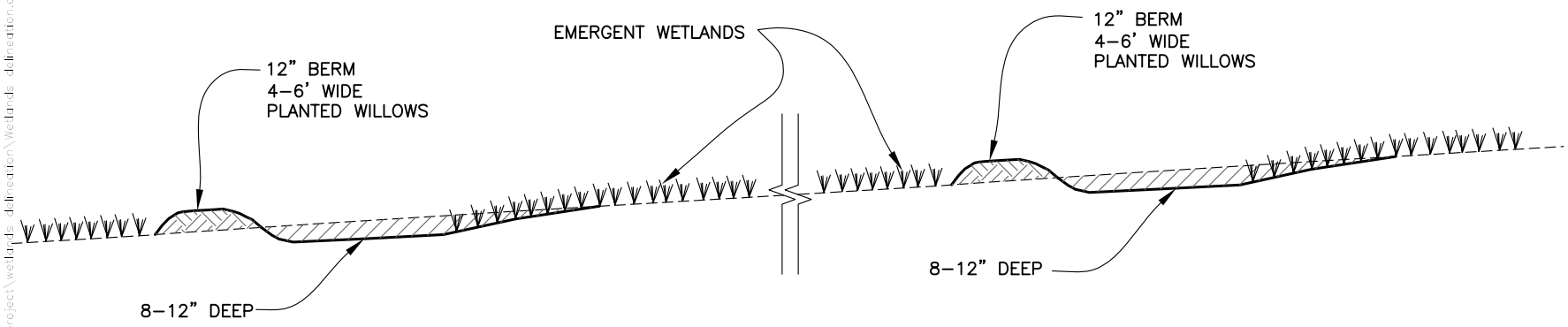
DENVER, COLORADO



SECTION-WATER SPREADERS

4' 0 4' 8'

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LAKE CHRISTINE
DAM REPLACEMENT
SECTION-WATER SPREADERS

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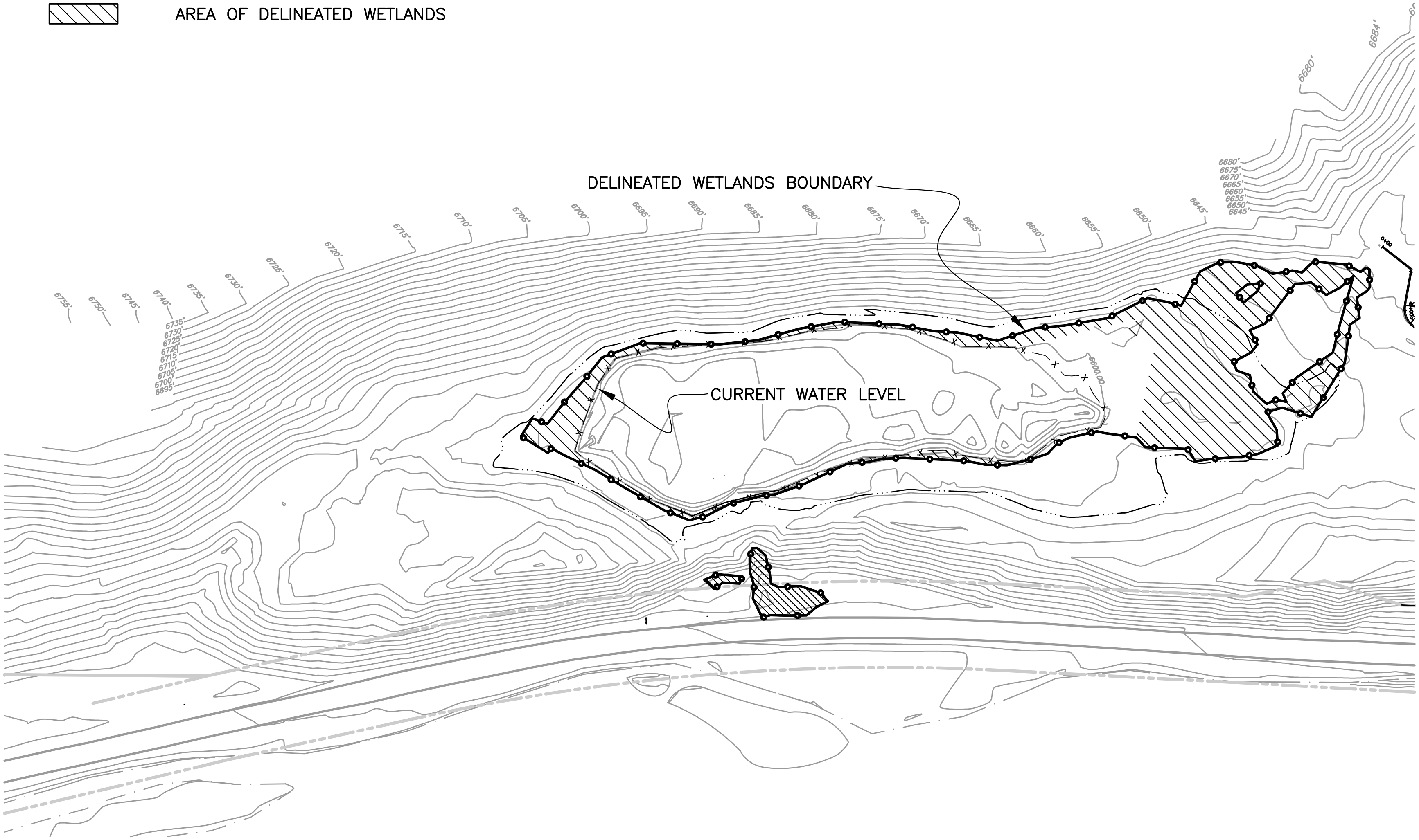
LEGEND

DESIGN HIGH WATER LINE

DELINEATED WETLANDS BOUNDARY

CURRENT WATER LEVEL

AREA OF DELINEATED WETLANDS



SITE PLAN
EXISTING CONDITIONS

NORTH

CONTOUR INTERVAL = 5'

100' 0 100' 200'

SCALE IN FEET

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LAKE CHRISTINE
DAM REPLACEMENT
EXISTING CONDITIONS

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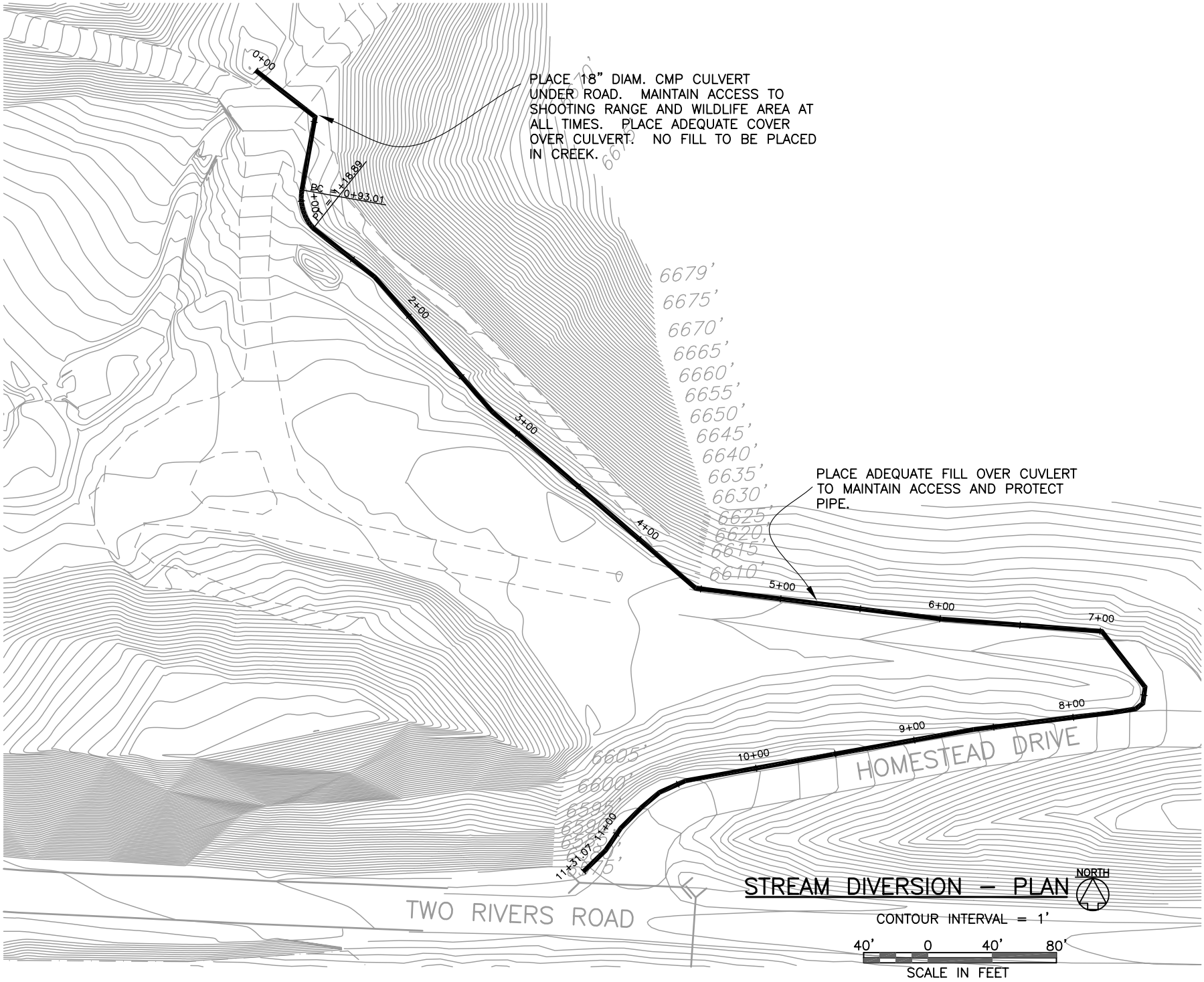

STREAM DIVERSION – PLAN

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LAKE CHRISTINE
DAM REPLACEMENT
STREAM DIVERSION – PLAN

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