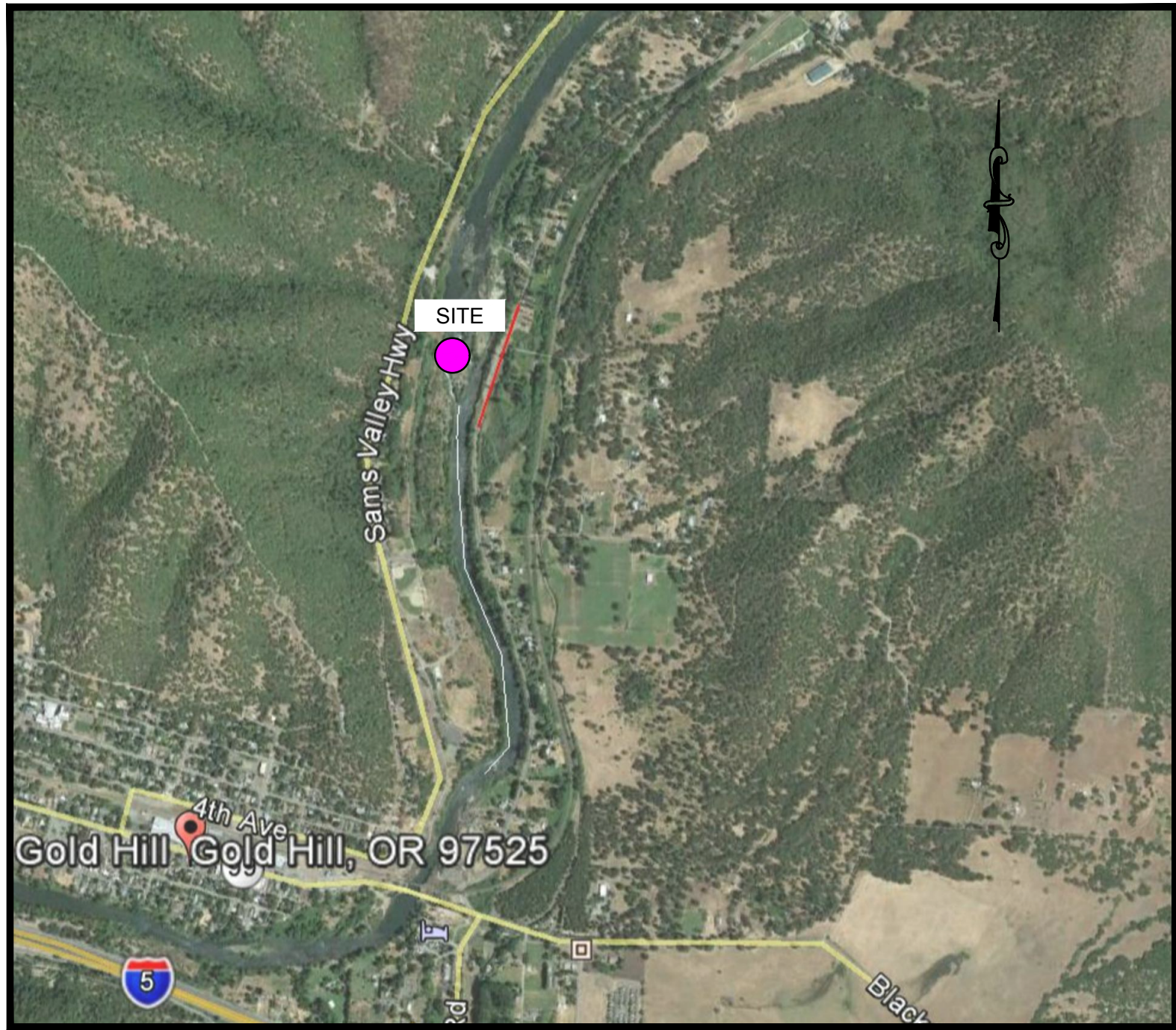


# GOLD HILL WHITEWATER CENTER RECREATION IMPROVEMENTS PRELIMINARY DESIGN DRAWINGS

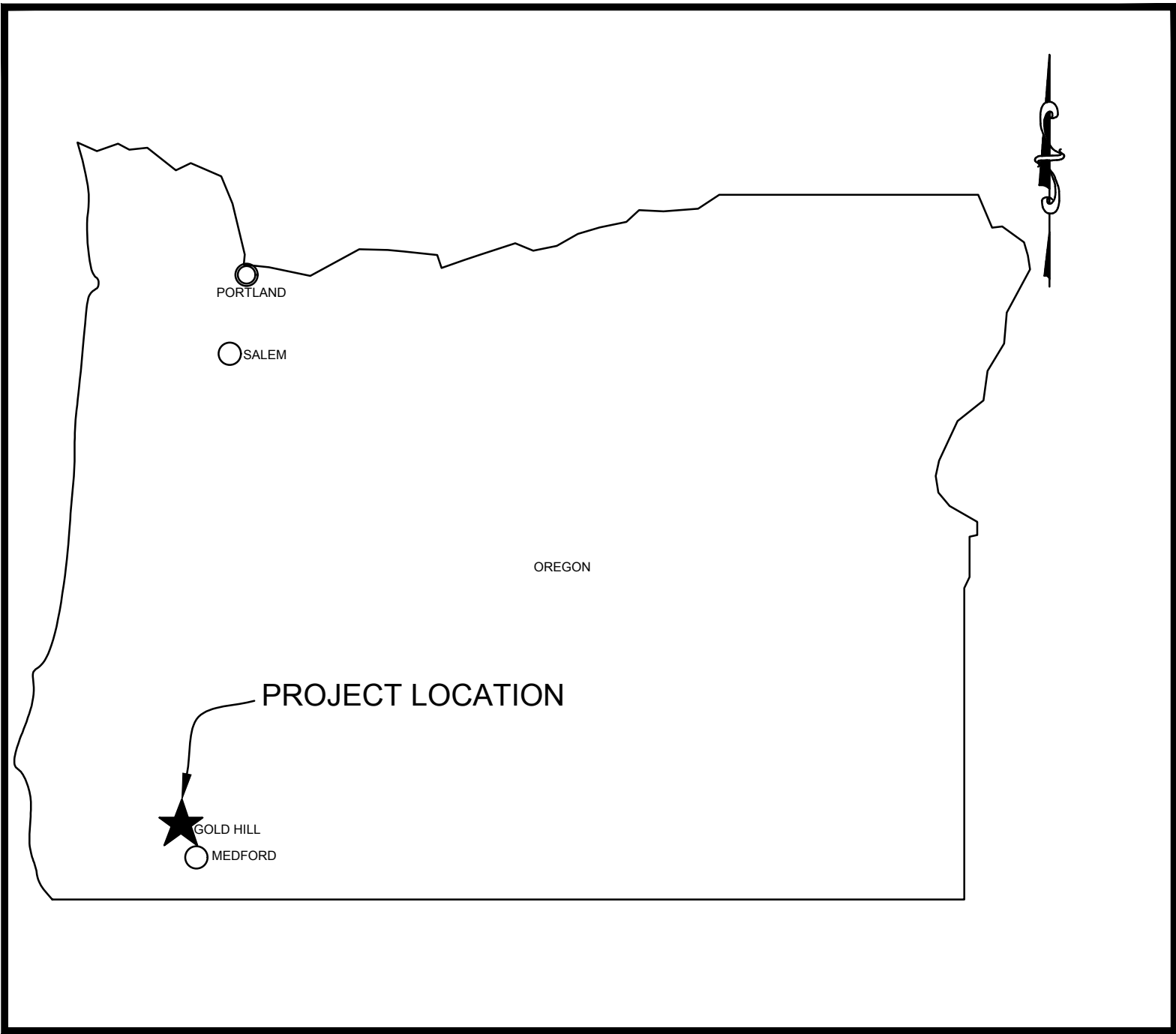
AUGUST 2017

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3	ENLARGED PLAN AND PROFILE
4	ENLARGED PLAN AND PROFILE
5	FEATURE 1
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7	FEATURE 3
8	FEATURE 4
9	ADJUSTABLE FEATURE AND SCULPTED CONC. DETAILS
10	10 DRAINAGE BASIN EROSION CONTROL PLAN
11	11 SEDIMENT CONTROL DETAIL
12	EXISTING CONDITIONS PHOTOGRAPHS



VICINITY MAP  
NTS



LOCATION MAP  
NTS



LEGEND

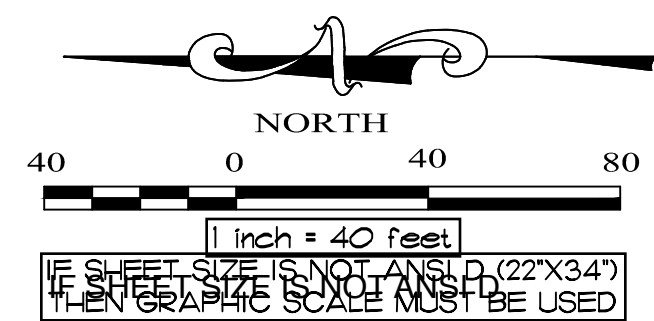
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	EXISTING CONTOUR MINOR
	EXISTING TREE
	EXISTING BEDROCK
	EXISTING SOIL
	EXISTING WETLANDS
	EXISTING RIPRAP
	PROPOSED CONTOUR MAJOR
	PROPOSED CONTOUR MINOR
	PROPOSED TOP OR TOE OF BANK
	PROPOSED CONCRETE (PLAN)
	PROPOSED CONCRETE (SECTION)
	PROPOSED GROUTED BOULDERS (PLAN)
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	PROPOSED CHANNEL ARMORING
	PROPOSED FAUX ROCK (PLAN)
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	PROPOSED SOIL RIPRAP
	PROPOSED SUBSURFACE RIPRAP
	PROPOSED BEDROCK EXCAVATION
	PROPOSED RIPRAP OR GROUTED BOULDER SLOPE LINE
	BOUNDARY OF GROUTED STRUCTURE
	SILT FENCE
	PROPOSED NATURAL STONE PATH (PLAN)

PRELIMINARY NOT FOR CONSTRUCTION

PREPARED BY:







**PRELIMINARY**  
NOT FOR CONSTRUCTION

Number	Revision Description	By	Date

GOLD HILL WHITEWATER CENTER

TILOMIKH FALLS  
GOLD HILL, OREGON

SITE PLAN

**Laughlin Whitewater**  
design group  
A DIVISION OF MERRICK & COMPANY  
2420 Alcott St  
Denver, CO 80211  
T303.964.3333  
F303.964.3355

DESIGN: JA  
DETAIL: JA  
CHECK: REM  
DATE: AUGUST 2017

PROJECT NUMBER  
65418397

Drawing Number:  
**2**

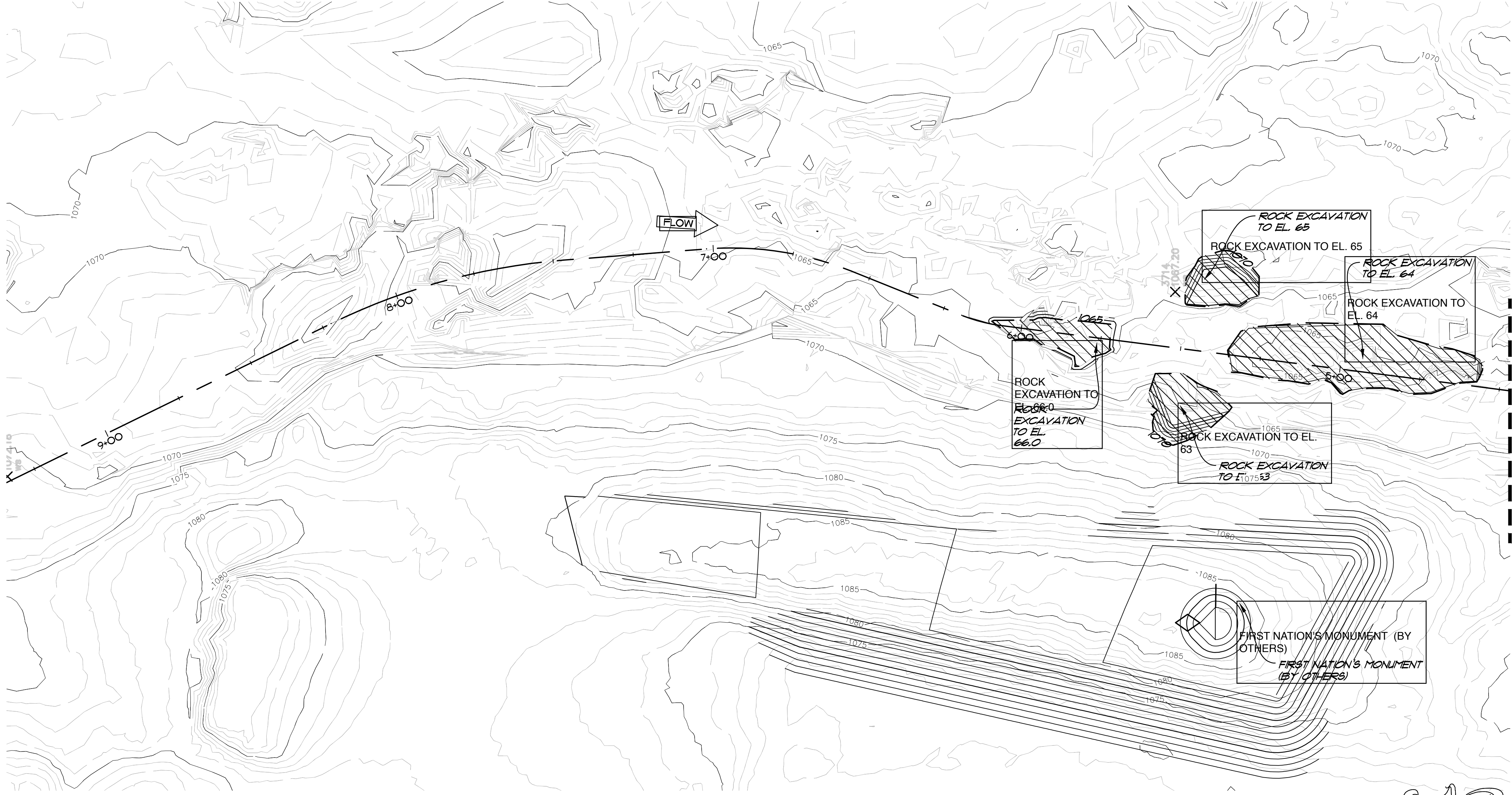


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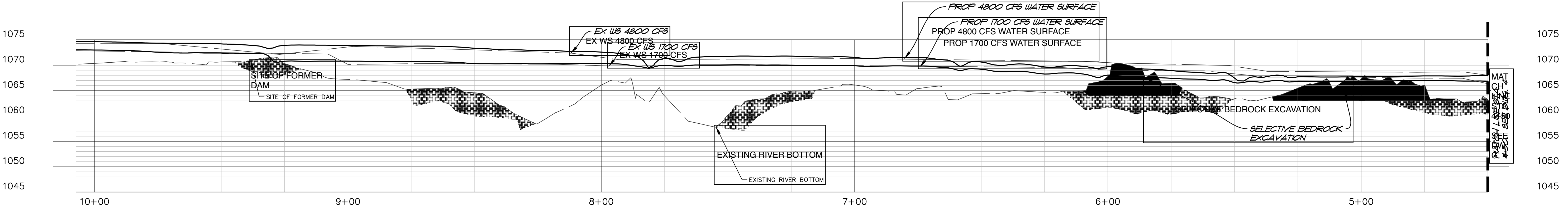
- 950

EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING TREE
- EXISTING BEDROCK
- EXISTING SOIL
- EXISTING WETLANDS
- EXISTING RIPRAP
- 950

PROPOSED CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED TOP OR TOE OF BANK
- PROPOSED CONCRETE (PLAN)
- PROPOSED CONCRETE (SECTION)
- PROPOSED CHANNEL ARMORING
- PROPOSED FAUX ROCK (PLAN)
- PROPOSED FAUX ROCK (SECTION)
- PROPOSED SOIL RIPRAP
- PROPOSED SUBSURFACE RIPRAP
- PROPOSED BEDROCK EXCAVATION
- PROPOSED RIPRAP OR GROUTED  
BOULDER SLOPE LINE
- BOUNDARY OF GROUTED  
STRUCTURE
- SILT FENCE
- PROPOSED NATURAL STONE PATH (PLAN)



PLAN STA 4+50 TO 10+00  
1" = 20'

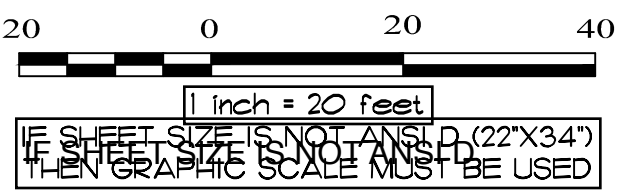


PROFILE STA 4+50 TO 10+00  
HORIZ. 1" = 20'  
VERT. 1" = 10'



Know what's below.  
Call before you dig.

**PRELIMINARY**  
NOT FOR CONSTRUCTION



Number	Revision Description	By	Date	GOLD HILL WHITWATER CENTER	TILOMIKH FALLS GOLD HILL, OREGON	ENLARGED PLAN PROFILE	2420 Alcott St Denver, CO 80211 T303.964.3333 F303.964.3355	DESIGN: JA DETAIL: JA CHECK: REM DATE: AUGUST 2017	PROJECT NUMBER 65418397	Drawing Number: <b>3</b>
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LEGEND

- 950

EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING TREE
- EXISTING BEDROCK
- EXISTING SOIL
- +

+

+

+
- EXISTING WETLANDS

EXISTING RIPRAP

950

PROPOSED CONTOUR MAJOR

PROPOSED CONTOUR MINOR

PROPOSED TOP OR TOE OF BANK

PROPOSED CONCRETE (PLAN)

PROPOSED CONCRETE (SECTION)

PROPOSED CHANNEL ARMORING

PROPOSED FAUX ROCK (PLAN)

PROPOSED FAUX ROCK (SECTION)

PROPOSED SOIL RIPRAP

PROPOSED SUBSURFACE RIPRAP

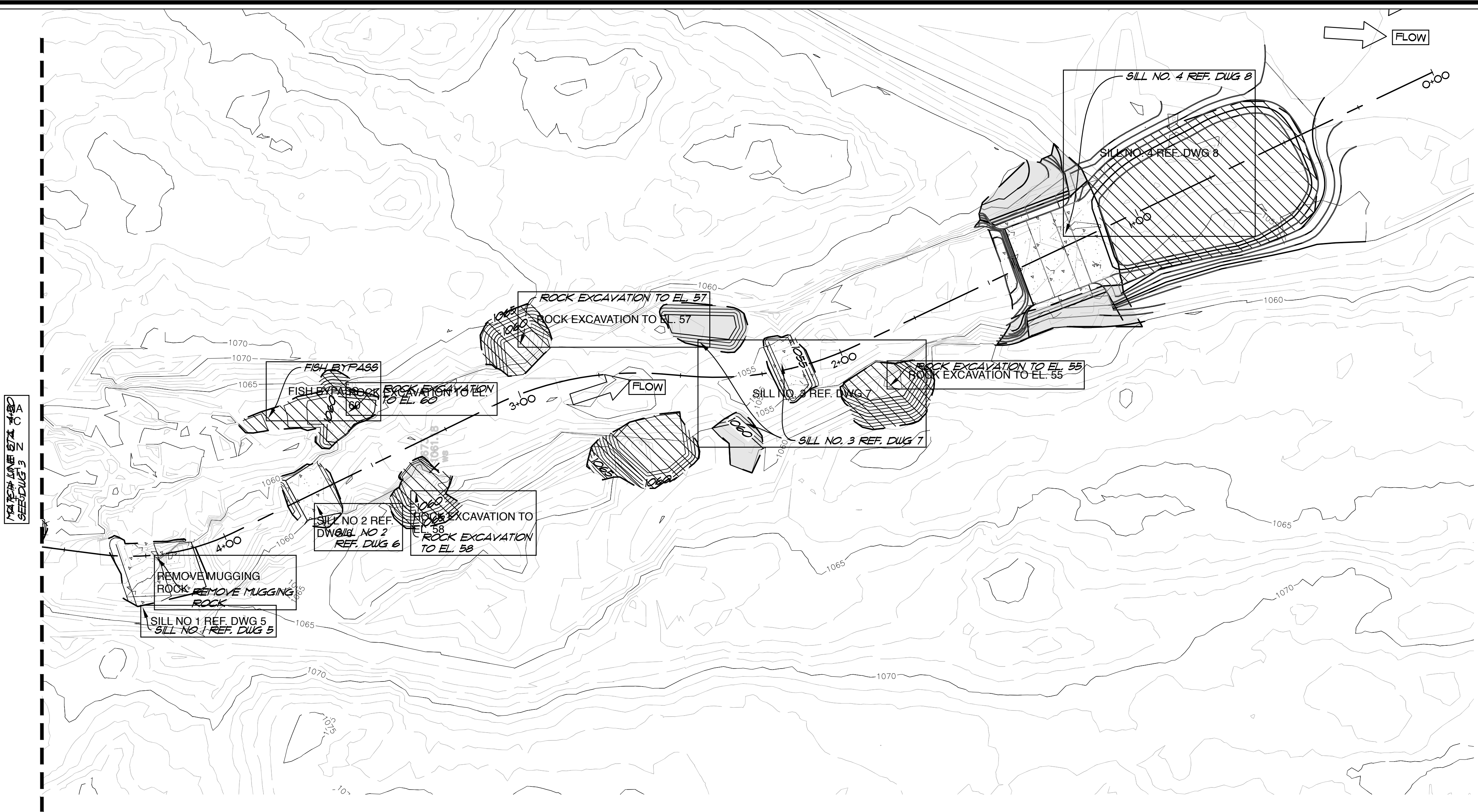
PROPOSED BEDROCK EXCAVATION

PROPOSED RIPRAP OR GROUTED BOLLER SLOPE LINE

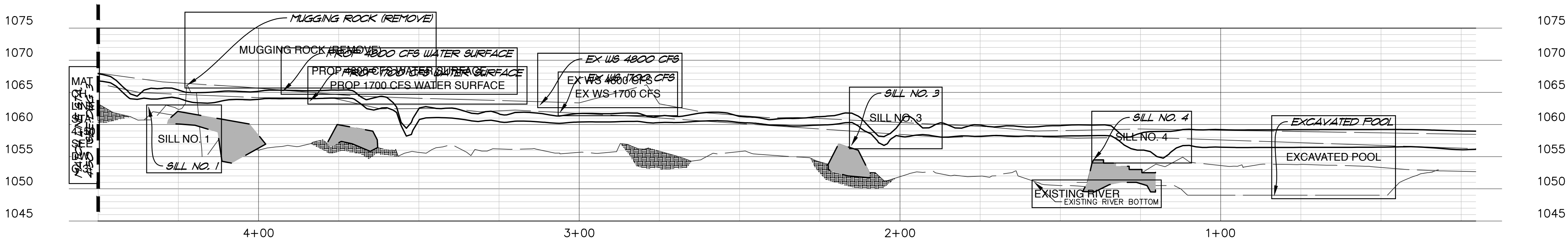
BOUNDARY OF GROUTED STRUCTURE

SILT FENCE

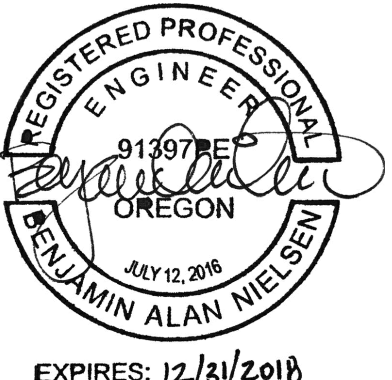
PROPOSED NATURAL STONE PATH (PLAN)



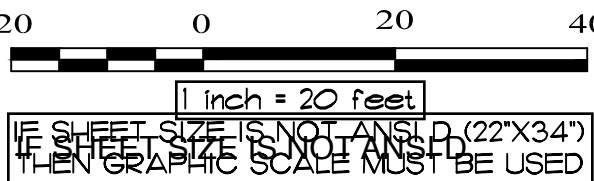
PLAN STA 0+00 TO 4+50  
1" = 20'



PROFILE STA 0+00 TO 4+50  
HORIZ. 1" = 20'  
VERT. 1" = 10'



**PRELIMINARY**  
NOT FOR CONSTRUCTION



Number	Revision Description	By	Date

GOLD HILL WHITewater CENTER

TILOMIHK FALLS  
GOLD HILL, OREGON

ELARGED PLAN  
PROFILE

**Laughlin Whitewater**  
design group  
A DIVISION OF MERRICK & COMPANY

2420 Alcott St  
Denver, CO 80211  
T303.964.3333  
F303.964.3355

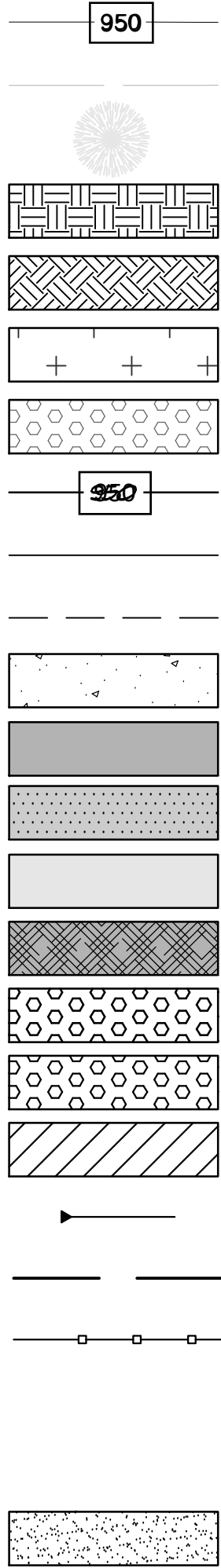
DESIGN: JA  
DETAIL: JA  
CHECK: REM  
DATE: AUGUST 2017

PROJECT NUMBER  
65418397

Drawing Number:  
**4**



LEGEND

- 

EXISTING CONTOUR MAJOR

EXISTING CONTOUR MINOR

EXISTING TREE

EXISTING BEDROCK

EXISTING SOIL

EXISTING WETLANDS

EXISTING RIPRAP

PROPOSED CONTOUR MAJOR

PROPOSED CONTOUR MINOR

PROPOSED TOP OR TOE OF BANK

PROPOSED CONCRETE (PLAN)

PROPOSED CONCRETE (SECTION)

PROPOSED CHANNEL ARMORING

PROPOSED FAUX ROCK (PLAN)

PROPOSED FAUX ROCK (SECTION)

PROPOSED SOIL RIPRAP

PROPOSED SUBSURFACE RIPRAP

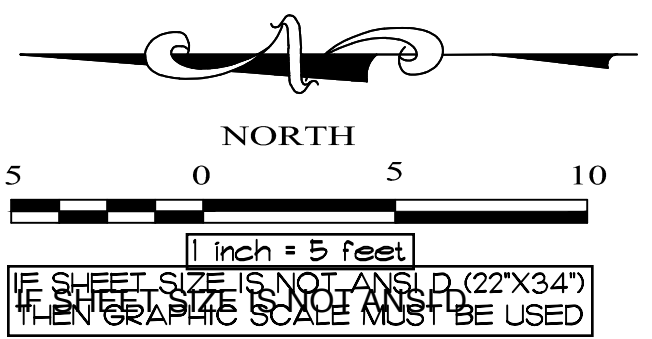
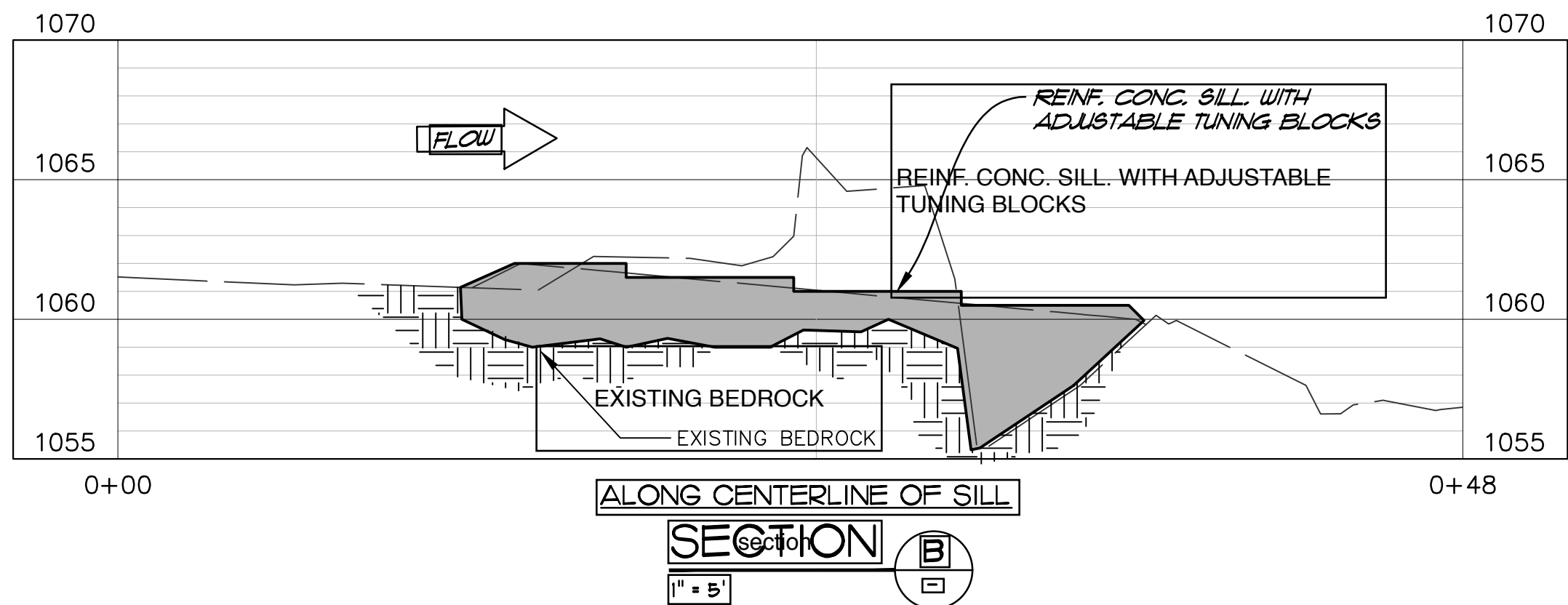
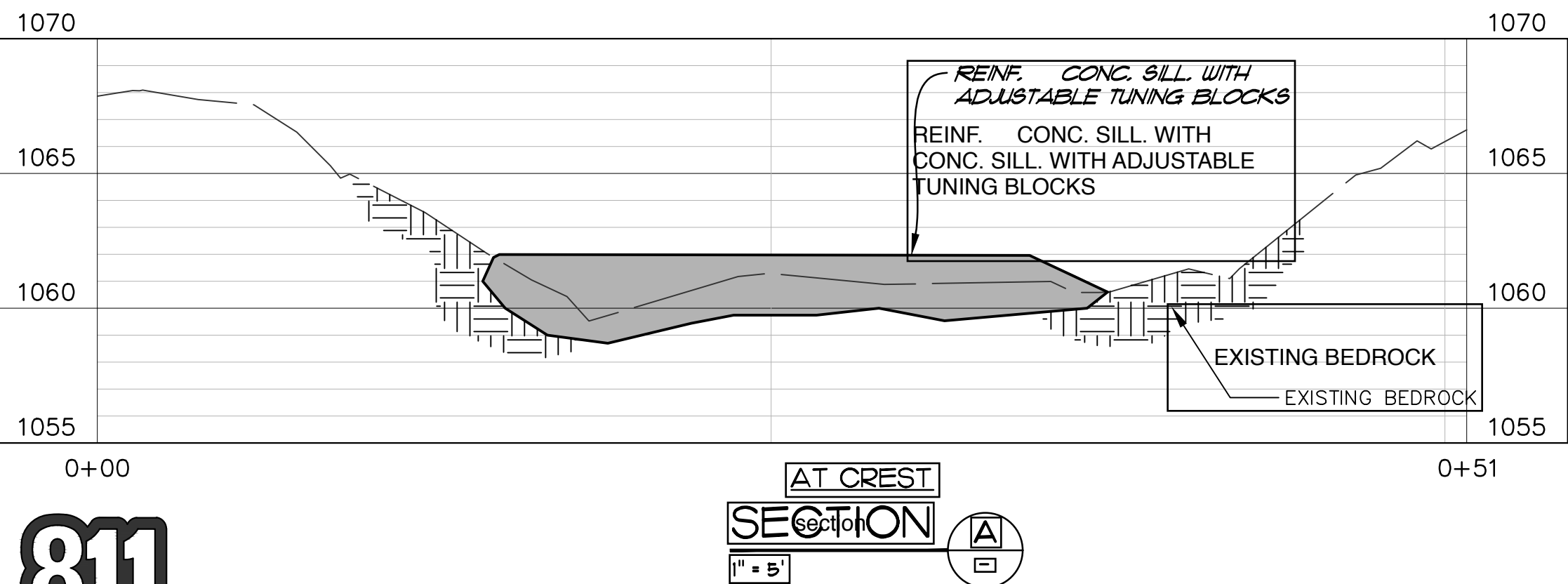
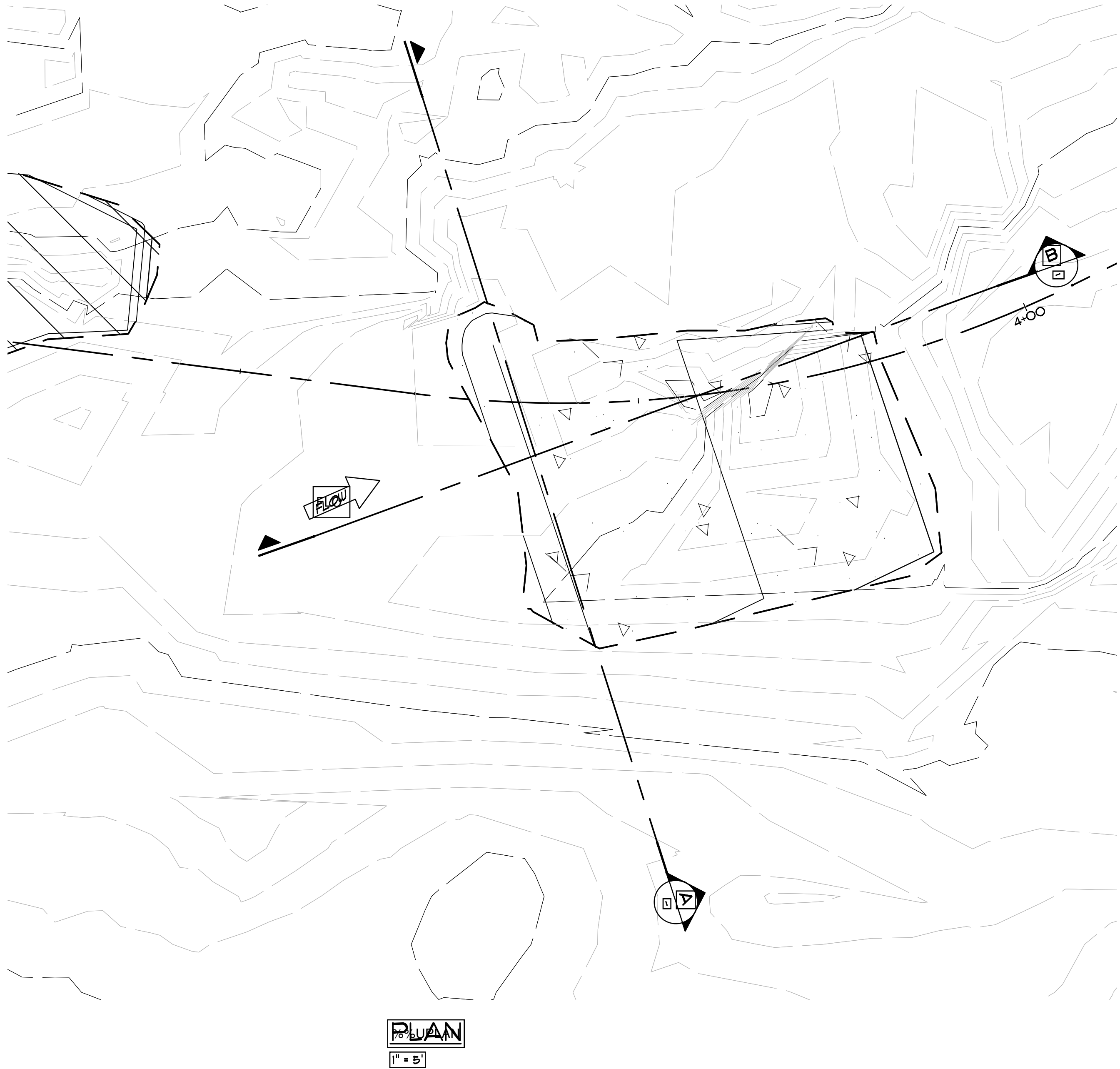
PROPOSED BEDROCK EXCAVATION

PROPOSED RIPRAP OF GROUTED BOULDER SLOPE LINE

BOUNDARY OF GROUTED STRUCTURE

SILT FENCE

PROPOSED NATURAL STONE PATH (PLAN)



PRELIMINARY  
NOT FOR CONSTRUCTION



Number	Revision Description	By	Date	GOLD HILL WHITEWATER CENTER	TILOMIKH FALLS GOLD HILL, OREGON	SILL NO. 1 PLAN AND SECTIONS	 Laughlin Whitewater design group 2420 Alcott St Denver, CO 80211 T303.964.3333 F303.964.3355	DESIGN: JA DETAIL: JA CHECK: REM DATE: JUNE 2017	PROJECT NUMBER 65418397	Drawing Number: 5
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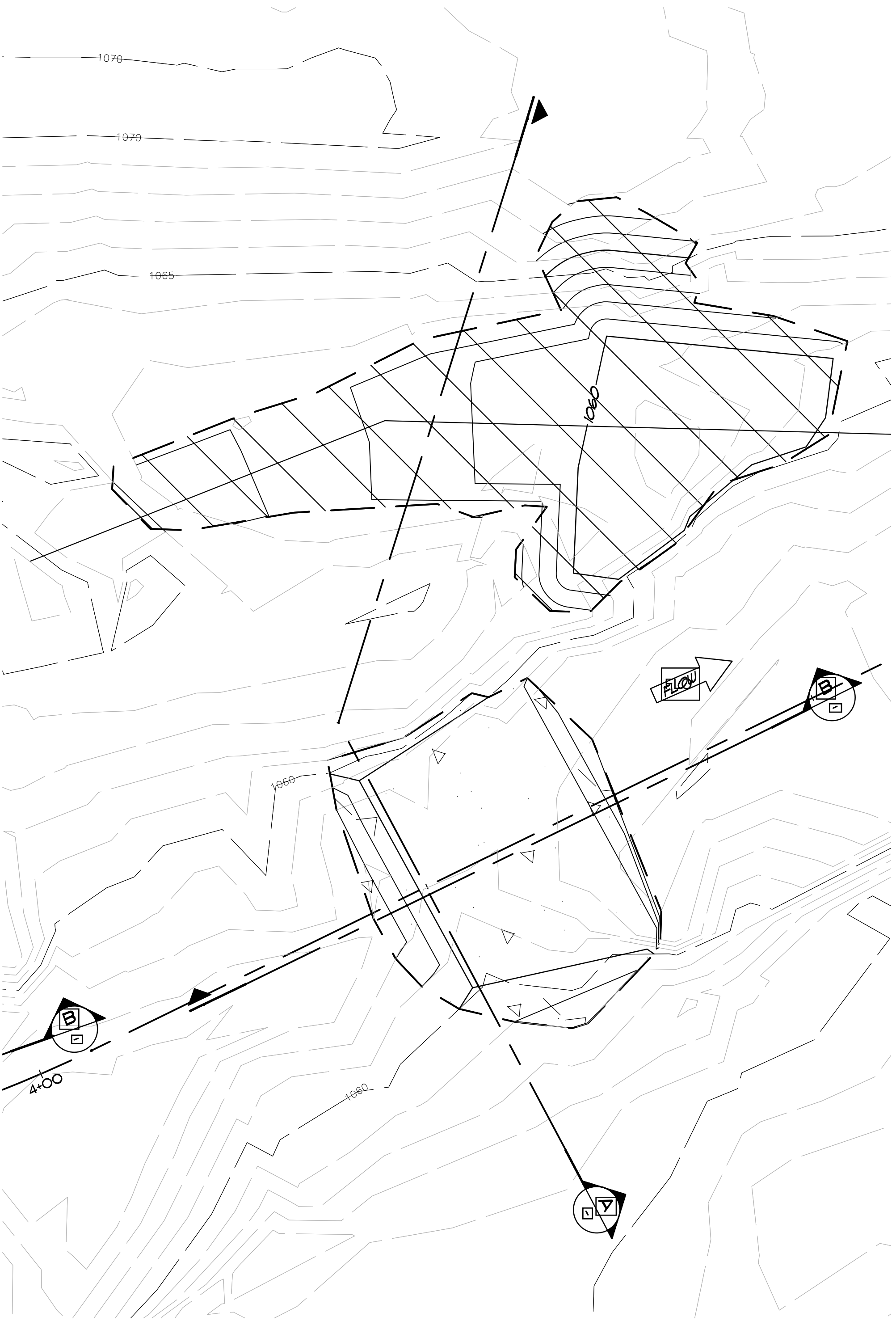
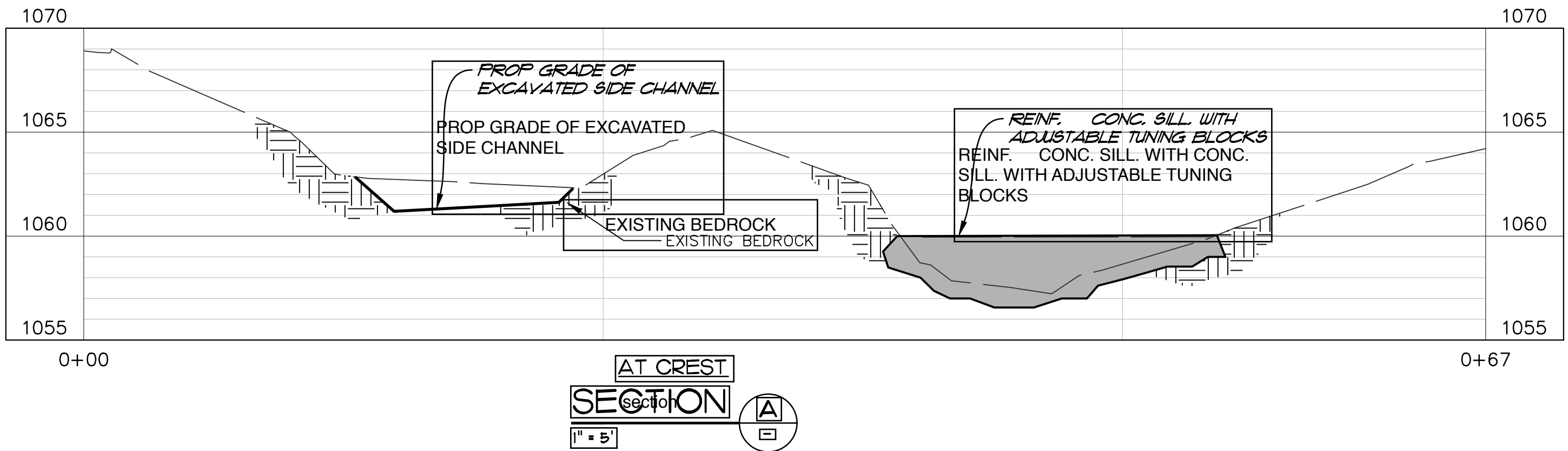
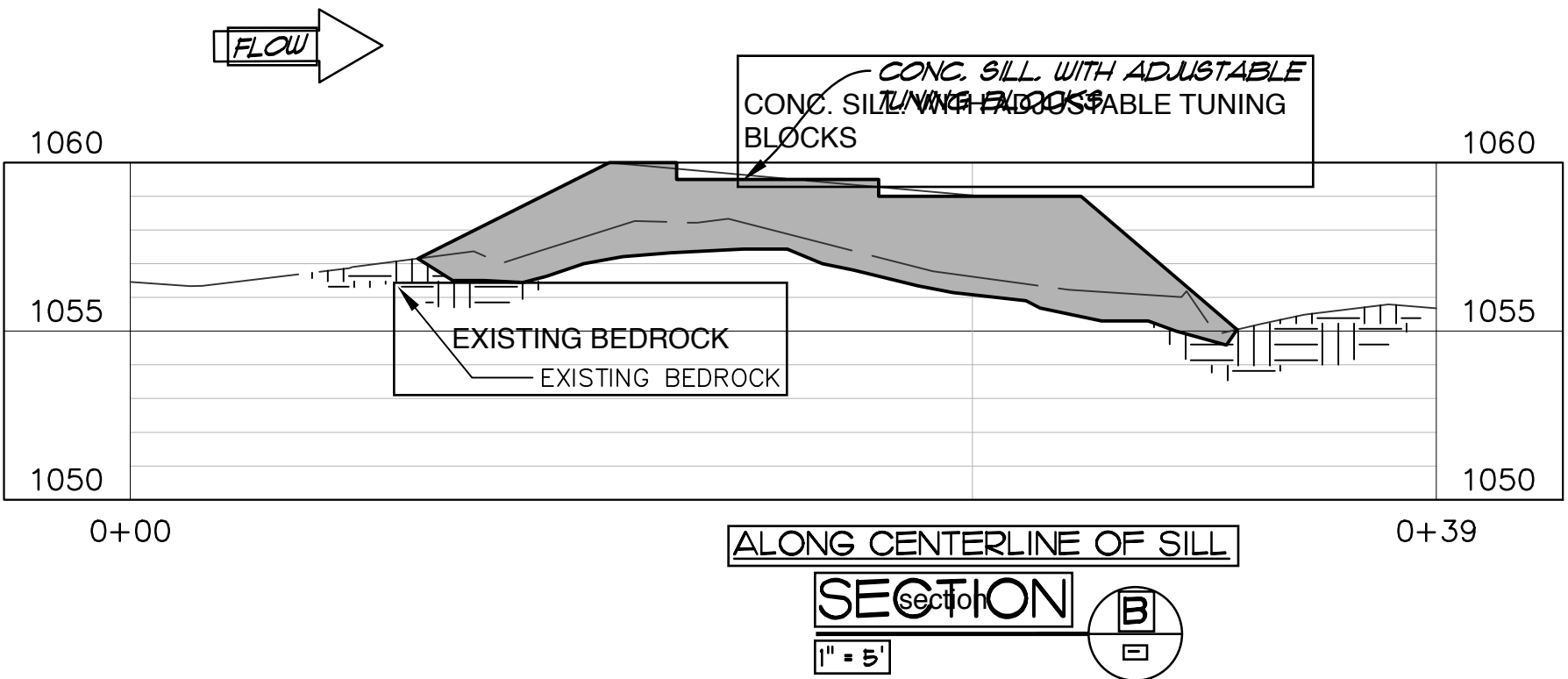
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- 950

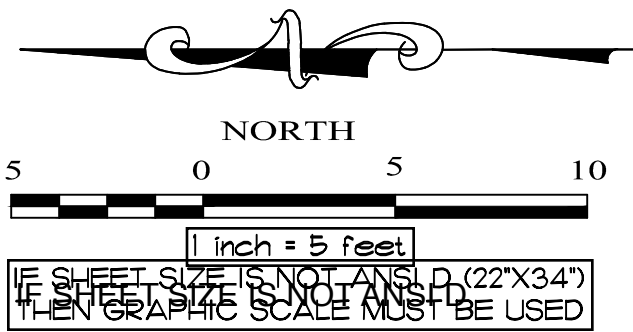
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- EXISTING CONTOUR MINOR
- EXISTING TREE
- EXISTING BEDROCK
- EXISTING SOIL
- EXISTING WETLANDS
- EXISTING RIPRAP
- 950

PROPOSED CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- - -

PROPOSED TOP OR TOE OF BANK
- PROPOSED CONCRETE (PLAN)
- PROPOSED CONCRETE (SECTION)
- PROPOSED CHANNEL ARMORING
- PROPOSED FAUX ROCK (PLAN)
- PROPOSED FAUX ROCK (SECTION)
- PROPOSED SOIL RIPRAP
- PROPOSED SUBSURFACE RIPRAP
- PROPOSED BEDROCK EXCAVATION
- PROPOSED RIPRAP OR GROUTED BOULDER SLOPE LINE
- BOUNDARY OF GROUTED STRUCTURE
- SILT FENCE
- PROPOSED NATURAL STONE PATH (PLAN)



PLAN  
1" = 5'



**PRELIMINARY**  
NOT FOR CONSTRUCTION



Number	Revision Description	By	Date

GOLD HILL WHITEWATER CENTER

TILOMIKH FALLS  
GOLD HILL, OREGON

SILL NO. 2  
PLAN AND SECTIONS



DESIGN:	JA
DETAIL:	JA
CHECK:	REM
DATE:	AUGUST 2017

PROJECT NUMBER  
65418397

Drawing Number:  
**6**



LEGEND

- 950

EXISTING CONTOUR MAJOR

EXISTING CONTOUR MINOR

EXISTING TREE

EXISTING BEDROCK

EXISTING SOIL

EXISTING WETLANDS

EXISTING RIPRAP

950

PROPOSED CONTOUR MAJOR

PROPOSED CONTOUR MINOR

PROPOSED TOP OR TOE OF BANK

PROPOSED CONCRETE (PLAN)

PROPOSED CONCRETE (SECTION)

PROPOSED CHANNEL ARMORING

PROPOSED FAUX ROCK (PLAN)

PROPOSED FAUX ROCK (SECTION)

PROPOSED SOIL RIPRAP

PROPOSED SUBSURFACE RIPRAP

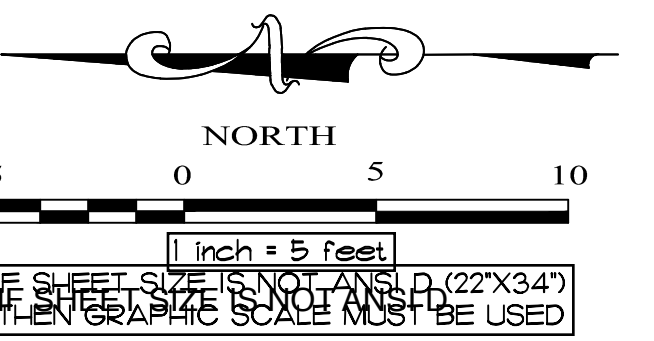
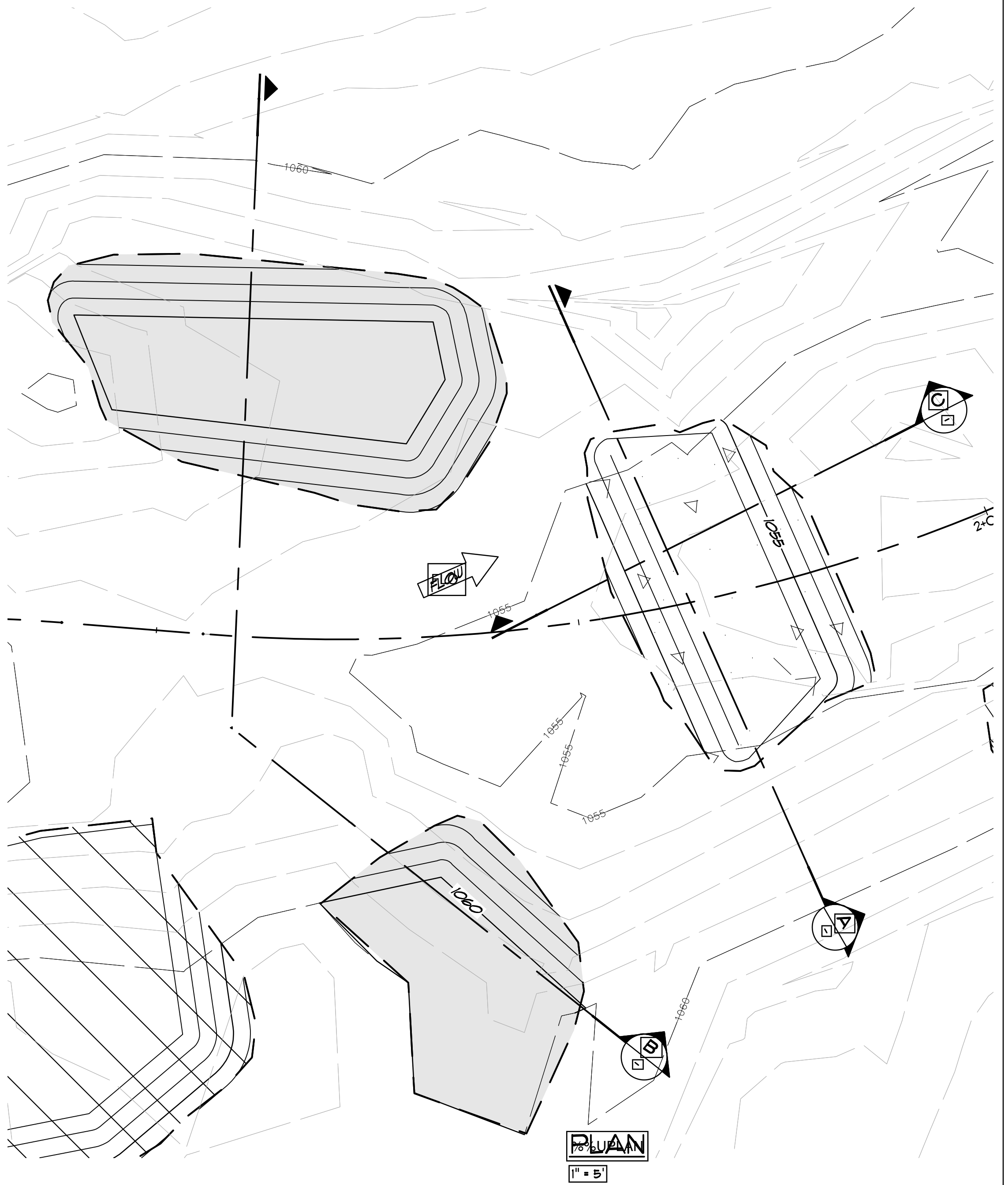
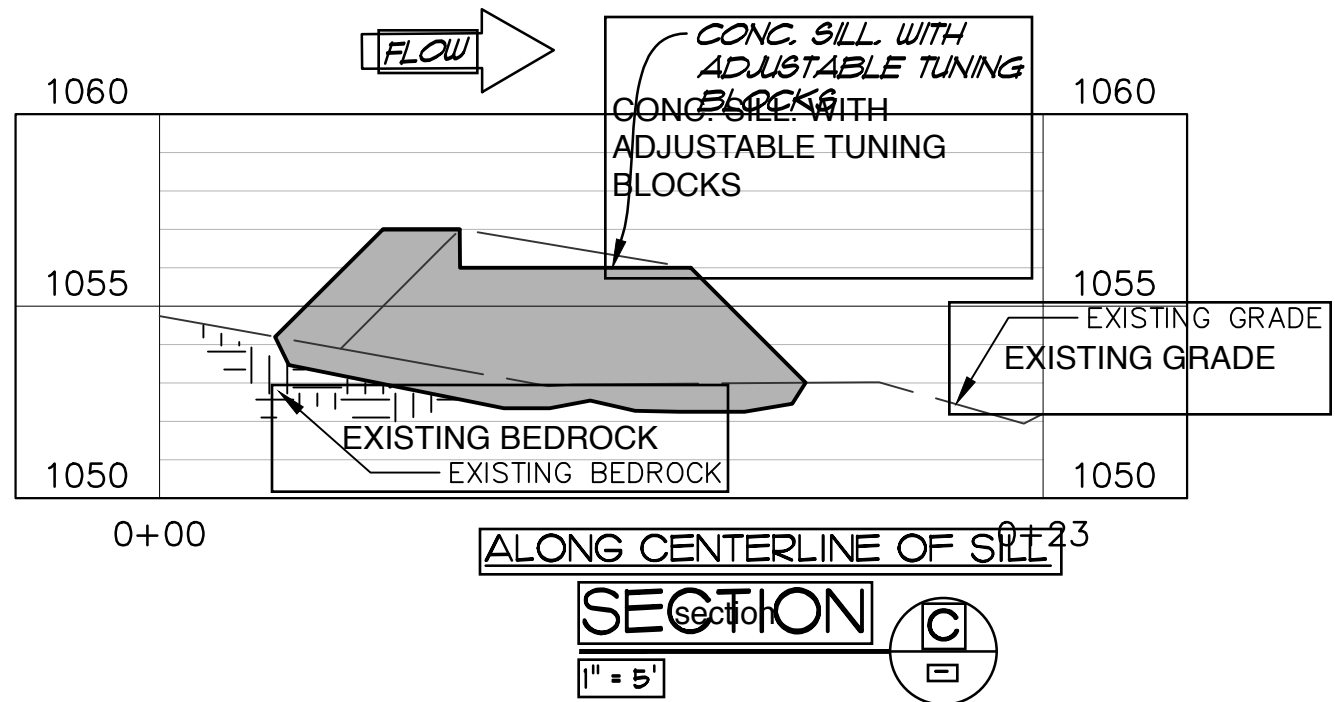
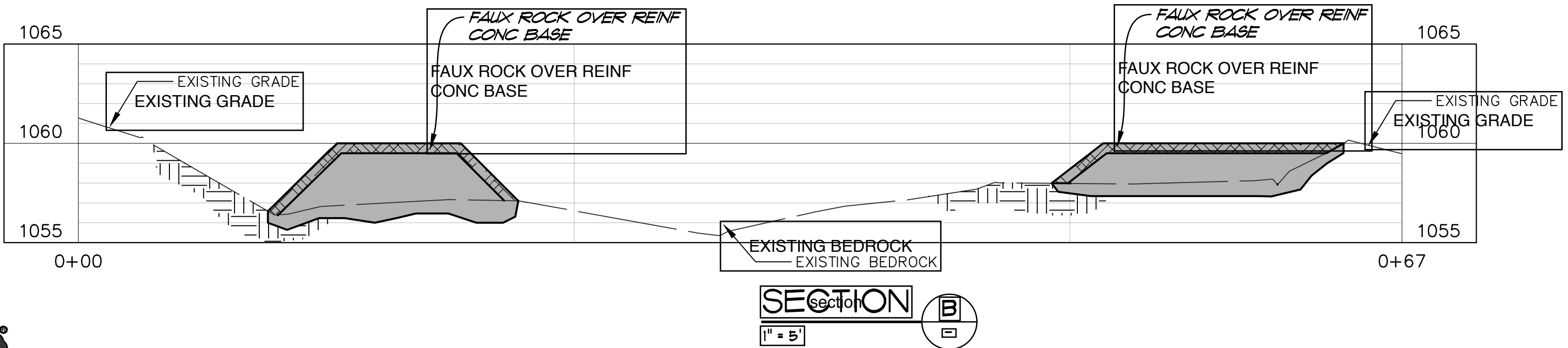
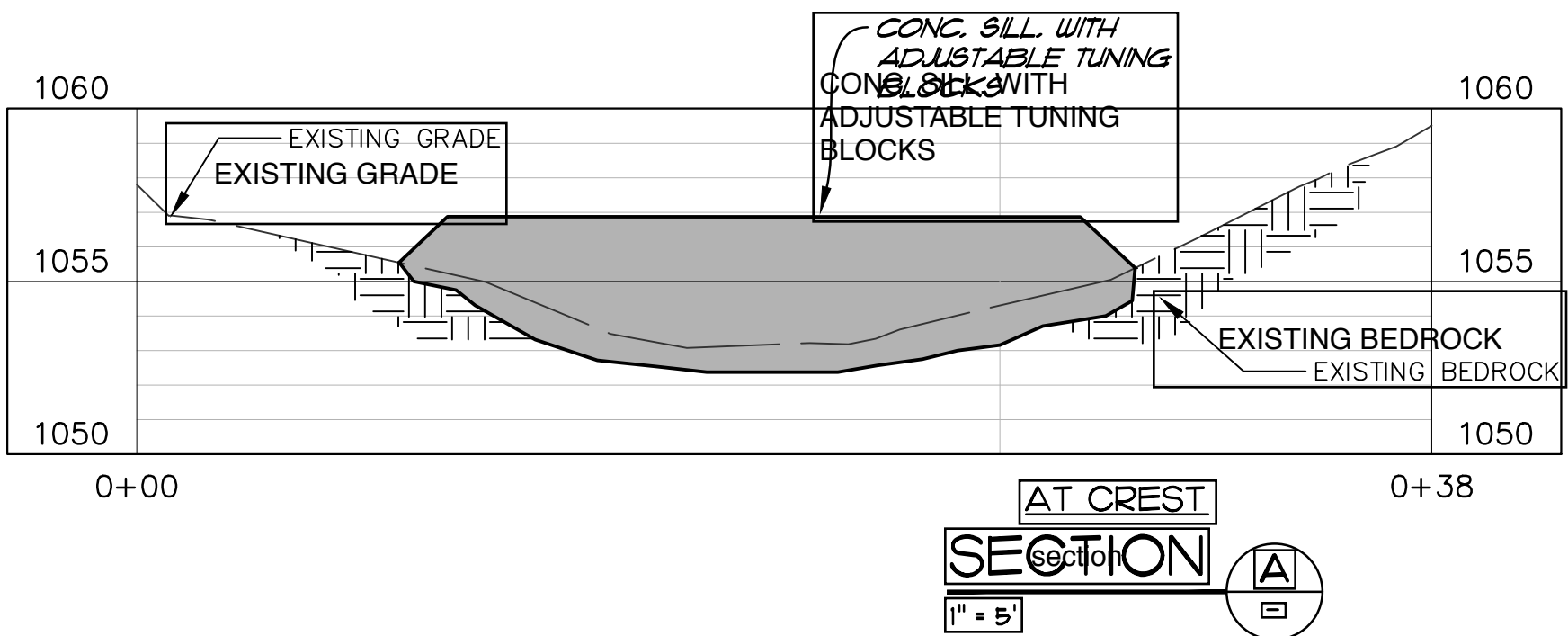
PROPOSED BEDROCK EXCAVATION

PROPOSED RIPRAP OR GROUTED BOULDER SLOPE LINE

BOUNDARY OF GROUTED STRUCTURE

SILT FENCE

PROPOSED NATURAL STONE PATH (PLAN)



**PRELIMINARY**  
NOT FOR CONSTRUCTION

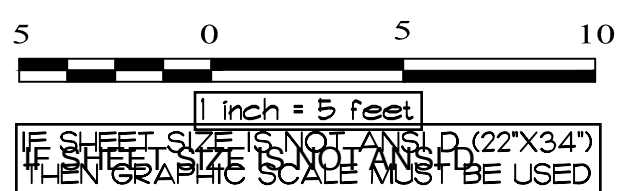
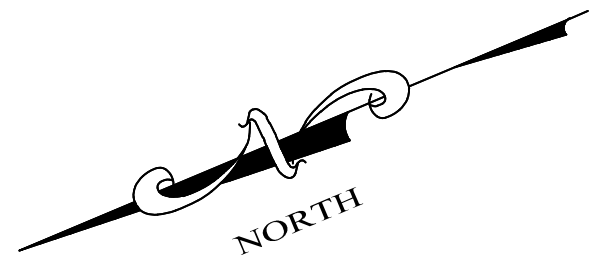
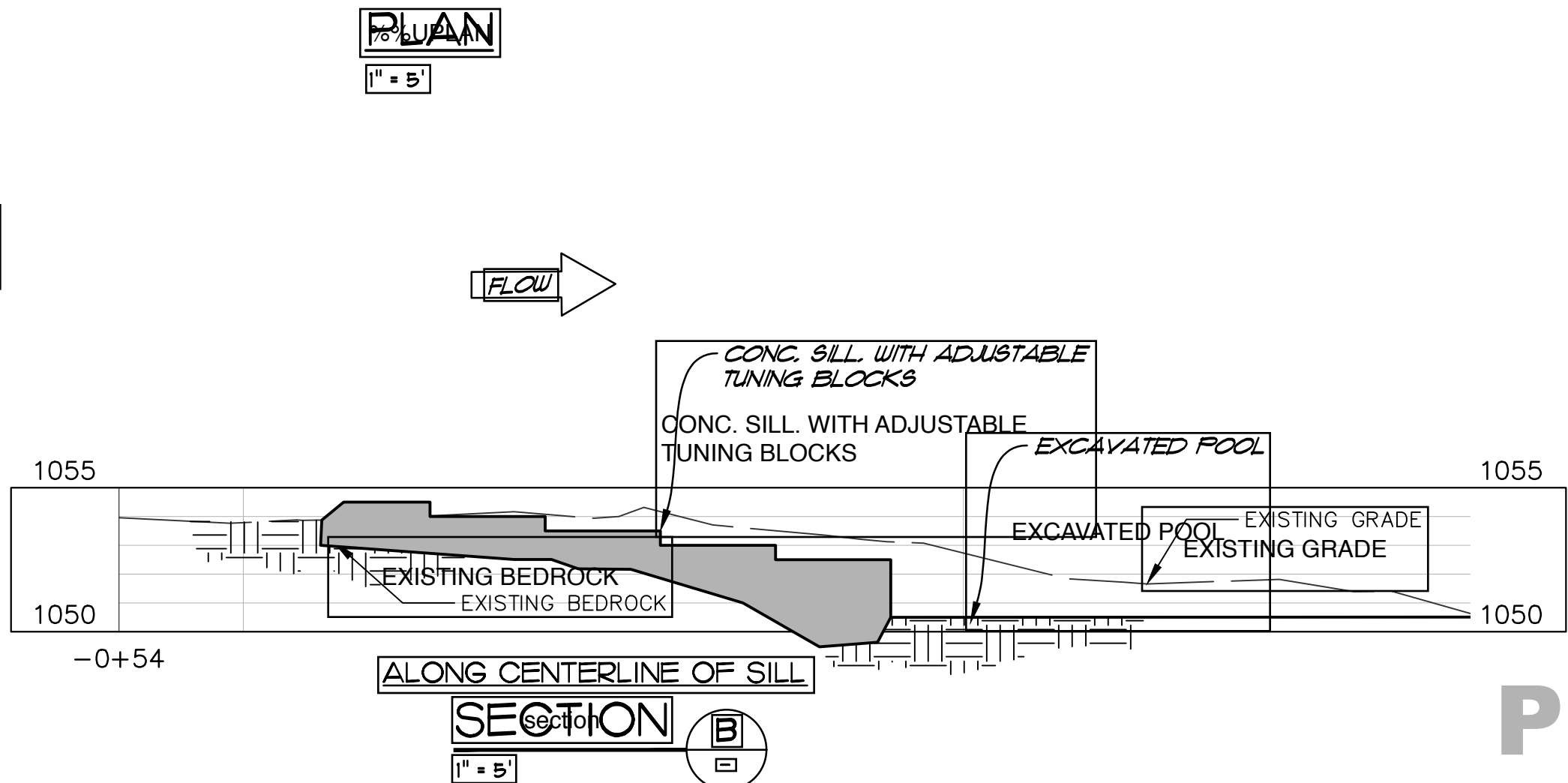
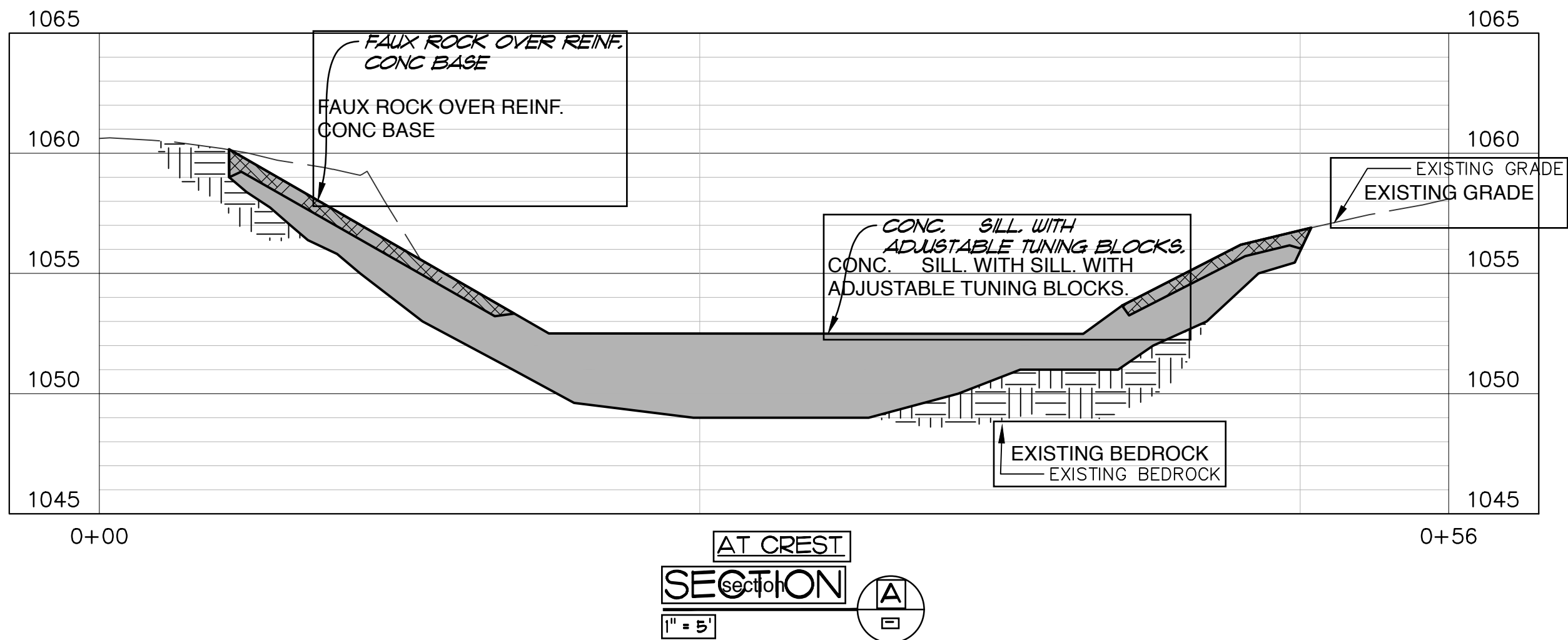
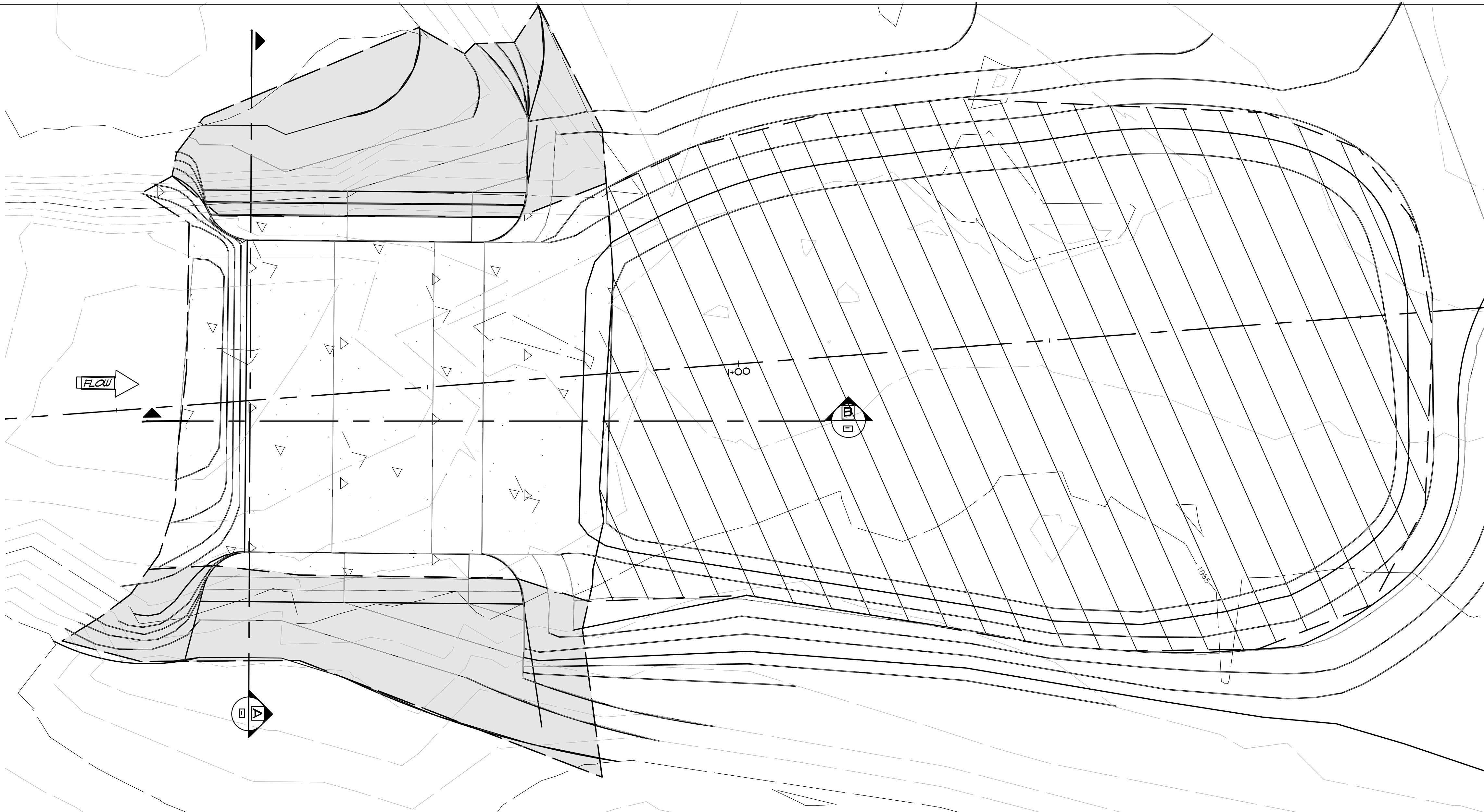


Number	Revision Description	By	Date	GOLD HILL WHITEWATER CENTER	TILOMIKH FALLS GOLD HILL, OREGON	SILL NO. 3 PLAN AND SECTIONS	2420 Alcott St Denver, CO 80211 T303.964.3333 F303.964.3355	DESIGN: JA DETAIL: JA CHECK: REM DATE: AUGUST 2017	PROJECT NUMBER 65418397	Drawing Number: 7
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LEGEND

- 950 EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING TREE
- EXISTING BEDROCK
- EXISTING SOIL
- EXISTING WETLANDS
- EXISTING RIPRAP
- 950 PROPOSED CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED TOP OR TOE OF BANK
- PROPOSED CONCRETE (PLAN)
- PROPOSED CONCRETE (SECTION)
- PROPOSED CHANNEL ARMORING
- PROPOSED FAUX ROCK (PLAN)
- PROPOSED FAUX ROCK (SECTION)
- PROPOSED SOIL RIPRAP
- PROPOSED SUBSURFACE RIPRAP
- PROPOSED BEDROCK EXCAVATION
- PROPOSED RIPRAP OR GROUTED BOULDER SLOPE LINE
- BOUNDARY OF GROUTED STRUCTURE
- SILT FENCE
- PROPOSED NATURAL STONE PATH (PLAN)

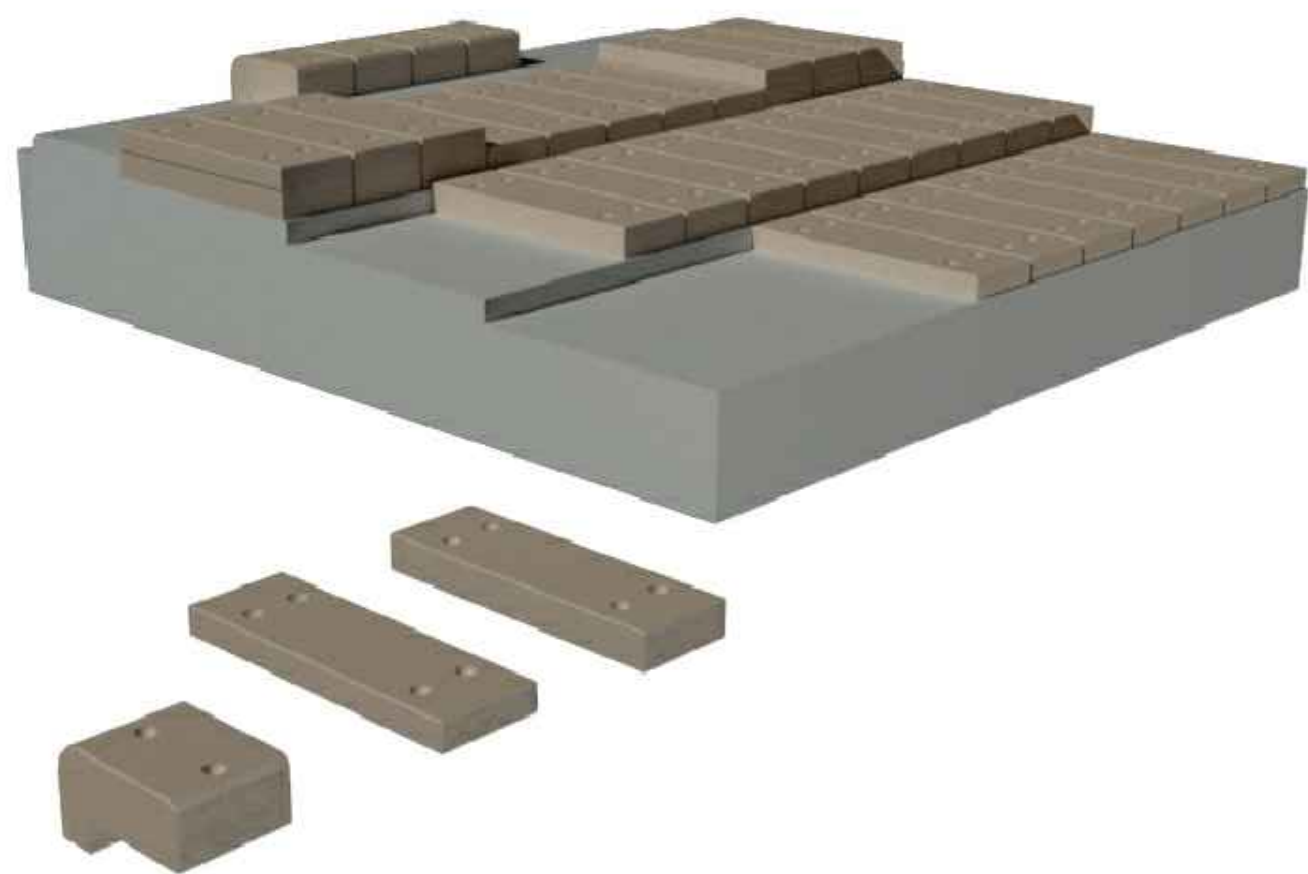


**PRELIMINARY**  
NOT FOR CONSTRUCTION



Number	Revision Description	By	Date	GOLD HILL WHITEWATER CENTER	TILOMIKH FALLS GOLD HILL, OREGON	SILL NO. 4 PLAN AND SECTIONS	<b>Laughlin Whitewater</b> design group A DIVISION OF MERRICK & COMPANY	2420 Alcott St Denver, CO 80211 T303.964.3333 F303.964.3355	DESIGN: JA DETAIL: JA CHECK: JA DATE: JUNE 2017	PROJECT NUMBER 65418397	Drawing Number: 8
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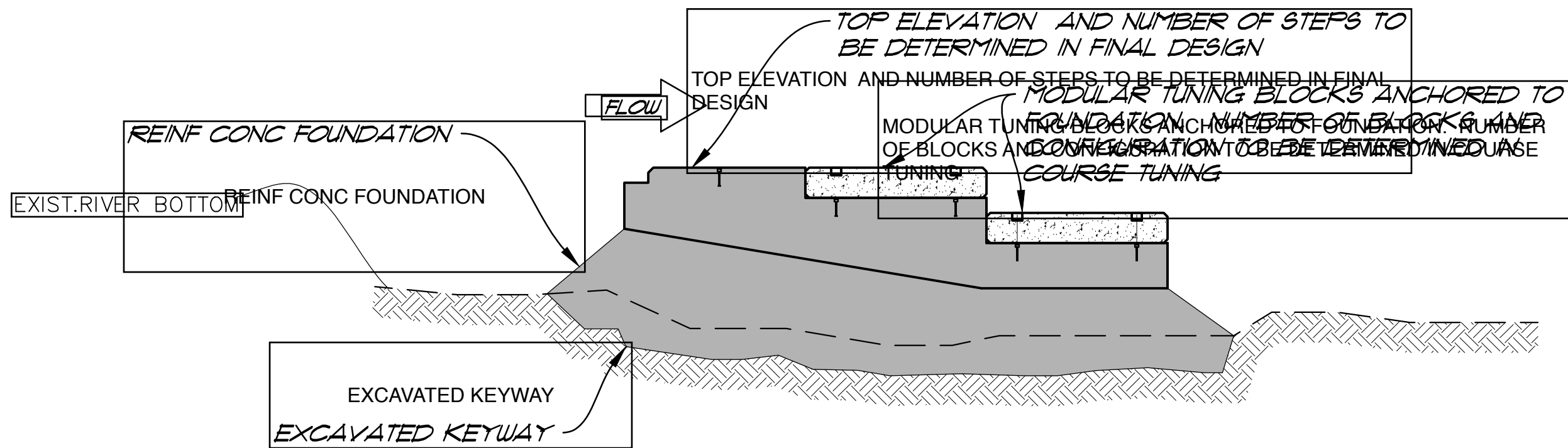




VIEW OF ADJUSTABLE WHITEWATER SILL AND MODULAR TUNING BLOCKS

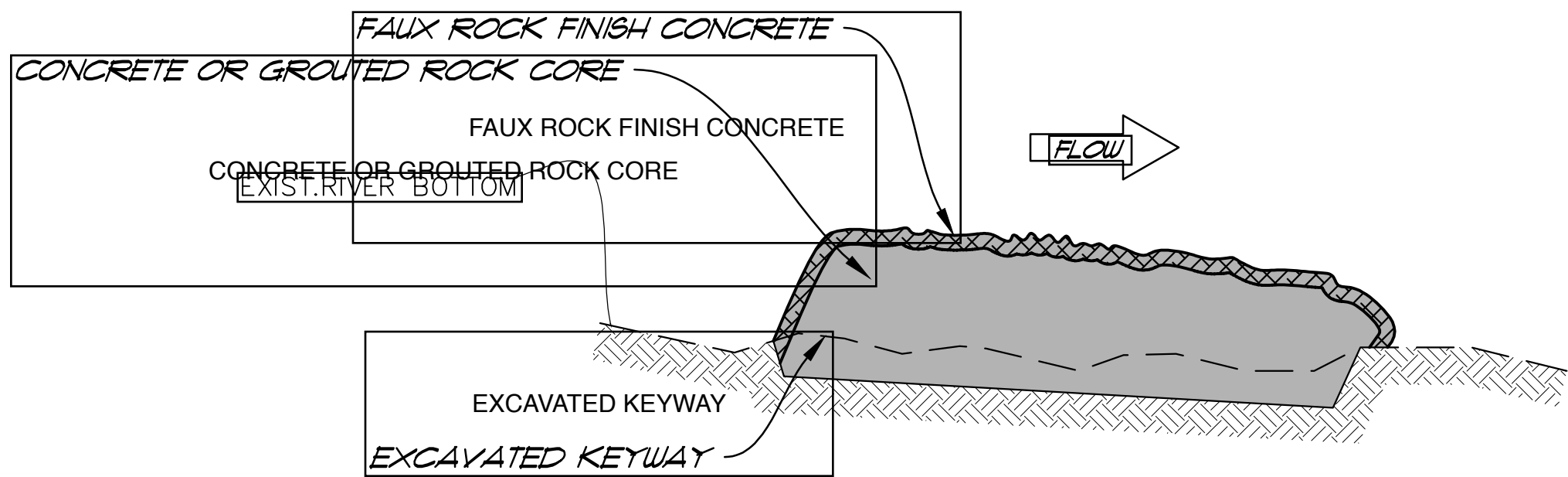


TWO VIEWS OF WATER WORN BEDROCK AT THE SITE. FAUX ROCK TO MATCH COLOR AND TEXTURE AND APPEARANCE



TYPICAL ADJUSTABLE WHITEWATER SILL

SECTION A  
1"=1'-0"



TYPICAL SCULPTED CONCRETE SILL

SECTION B  
1"=1'-0"



Know what's below.  
Call before you dig.



**PRELIMINARY**  
NOT FOR CONSTRUCTION

Number	Revision Description	By	Date

GOLD HILL WHITEWATER CENTER

TILOMIKH FALLS  
GOLD HILL, OREGON

SCULPTED CONCRETE DETAILS  
ADJUSTABLE FEATURES



2420 Alcott St  
Denver, CO 80211  
T303.964.3333  
F303.964.3355

DESIGN: JA  
DETAIL: JA  
CHECK: REM  
DATE: AUGUST 2017

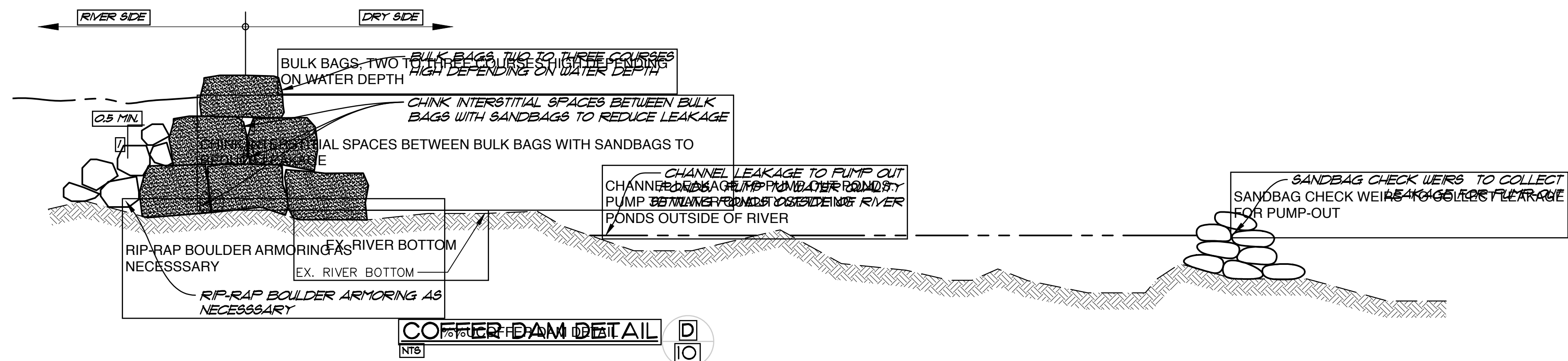
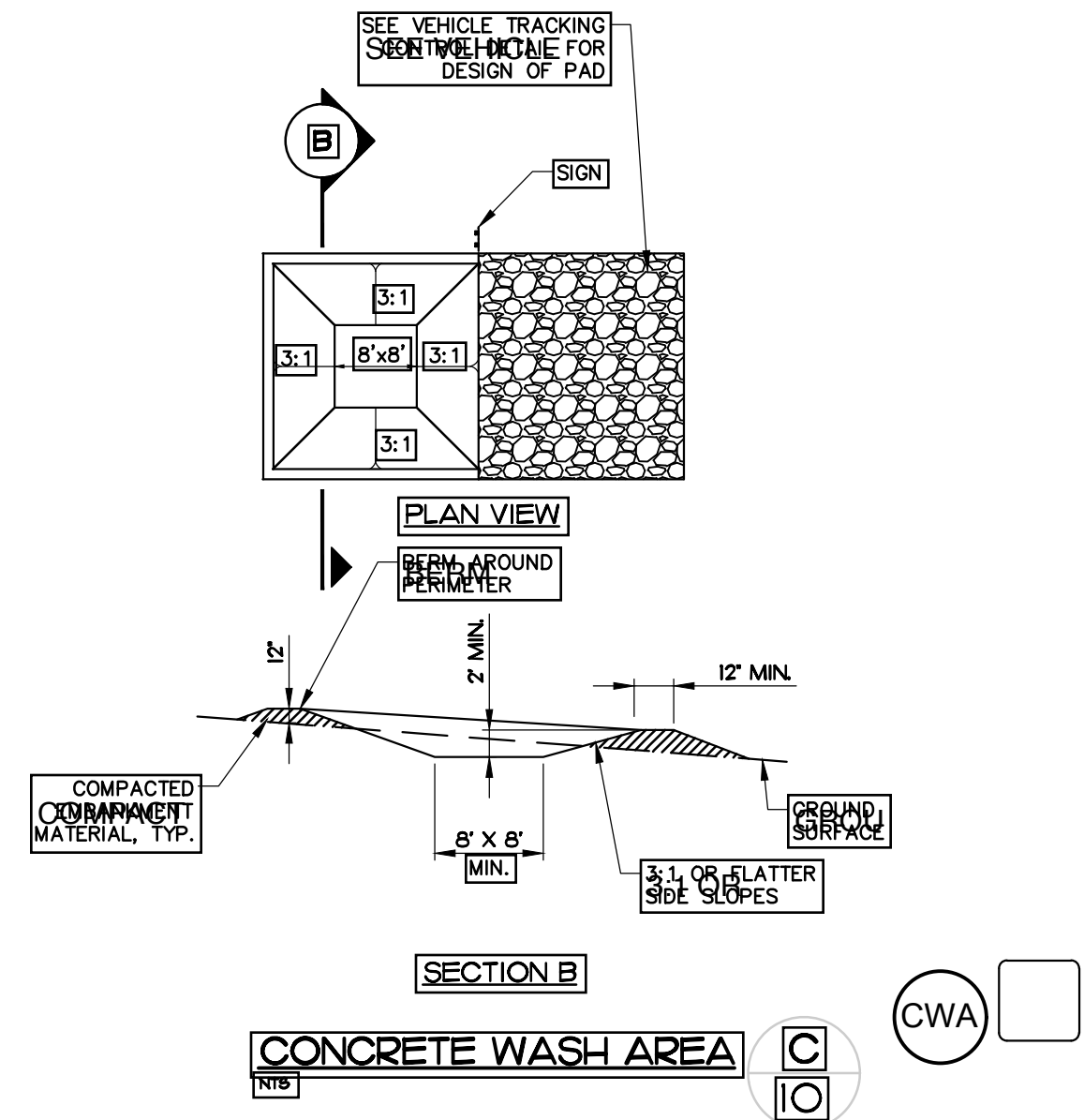
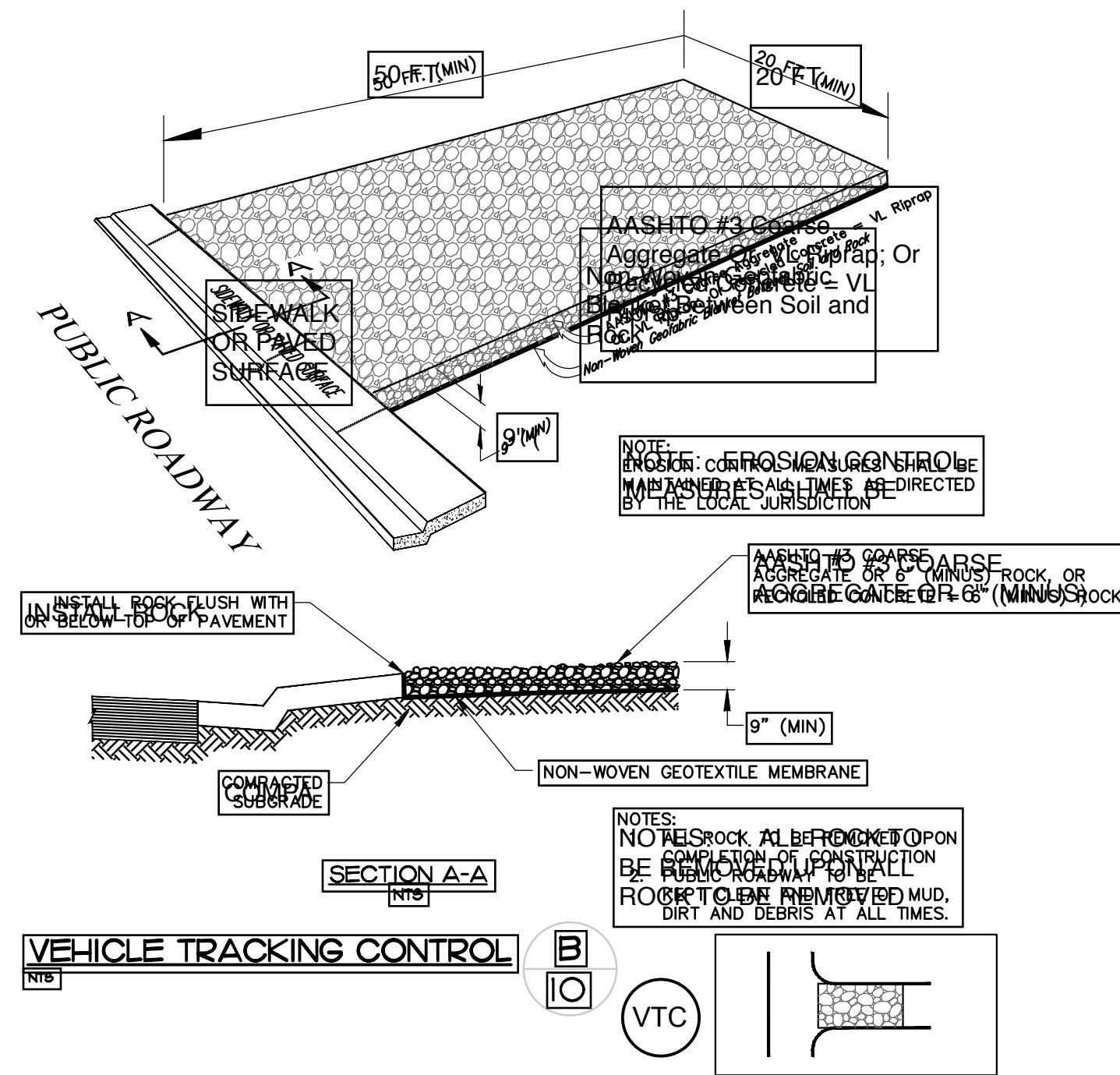
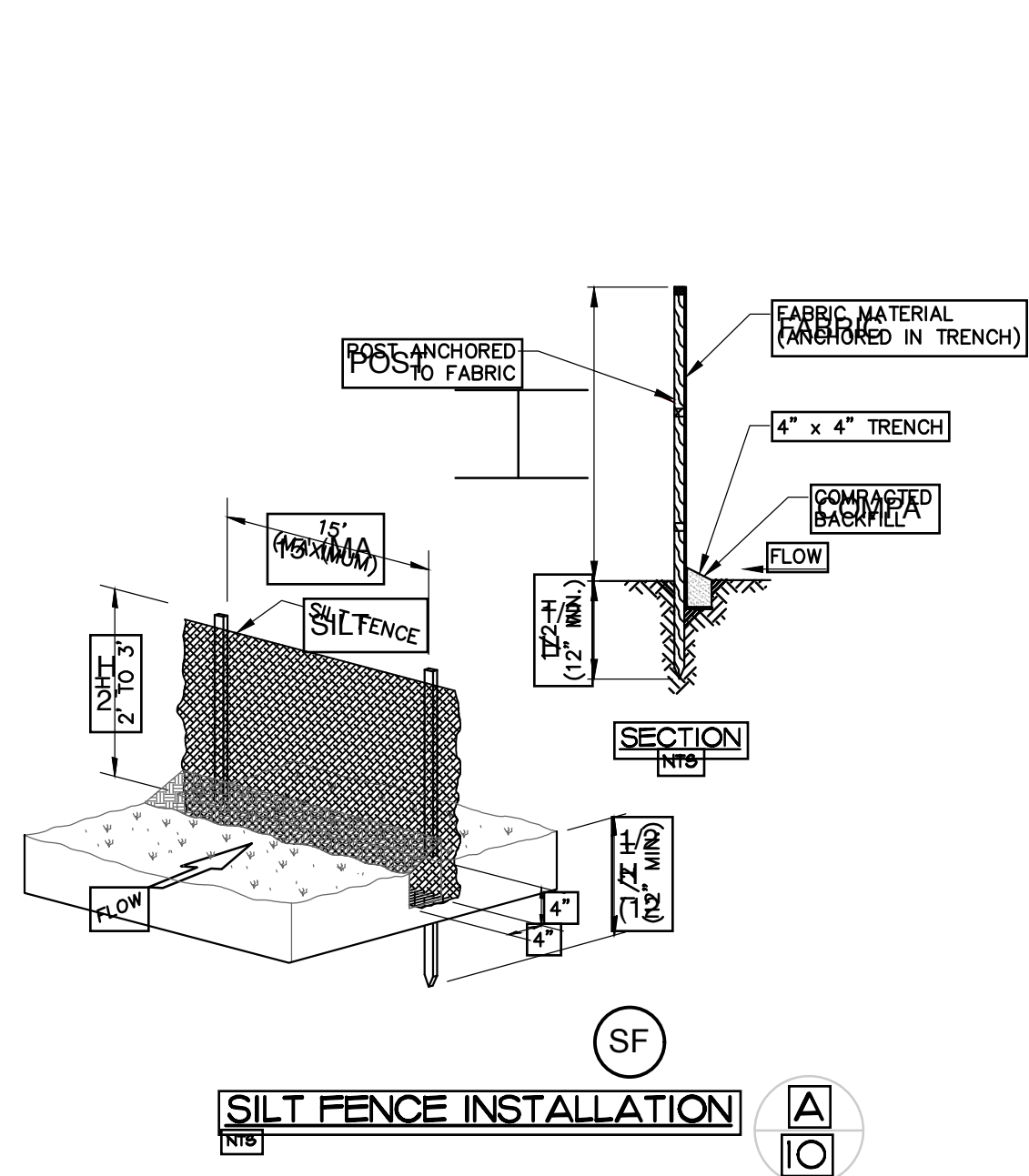
PROJECT NUMBER  
65418397

Drawing Number:  
9





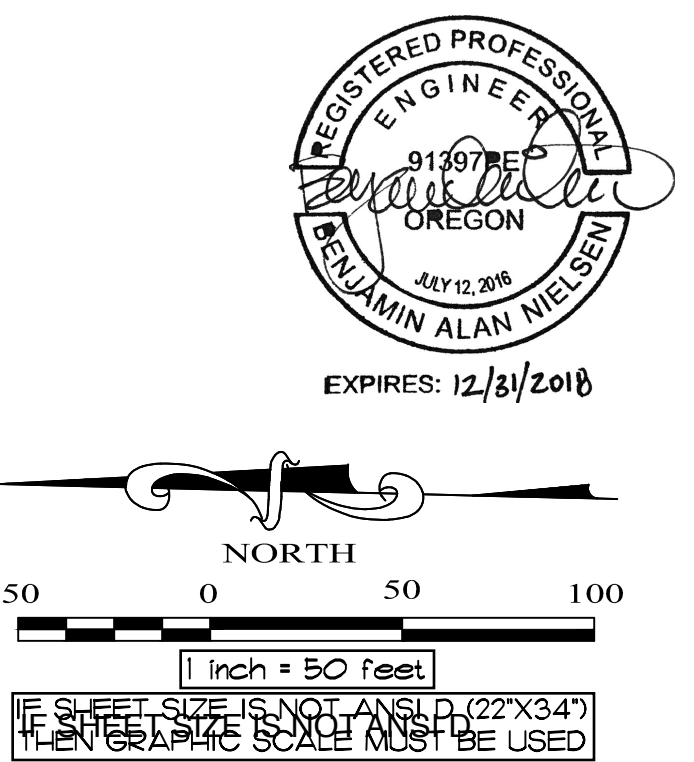
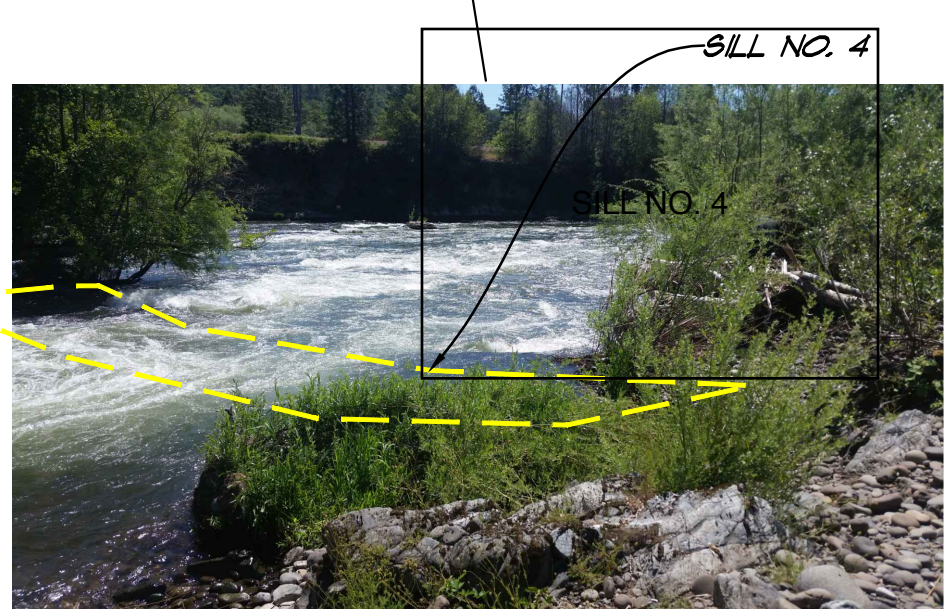
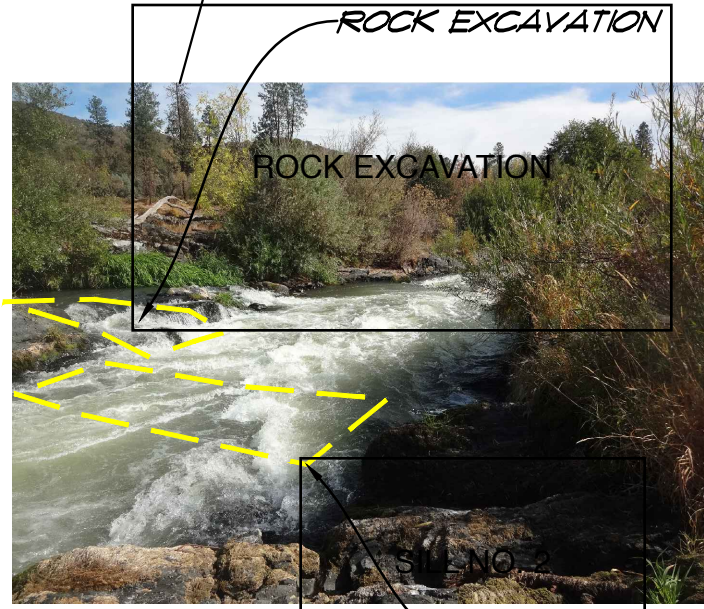
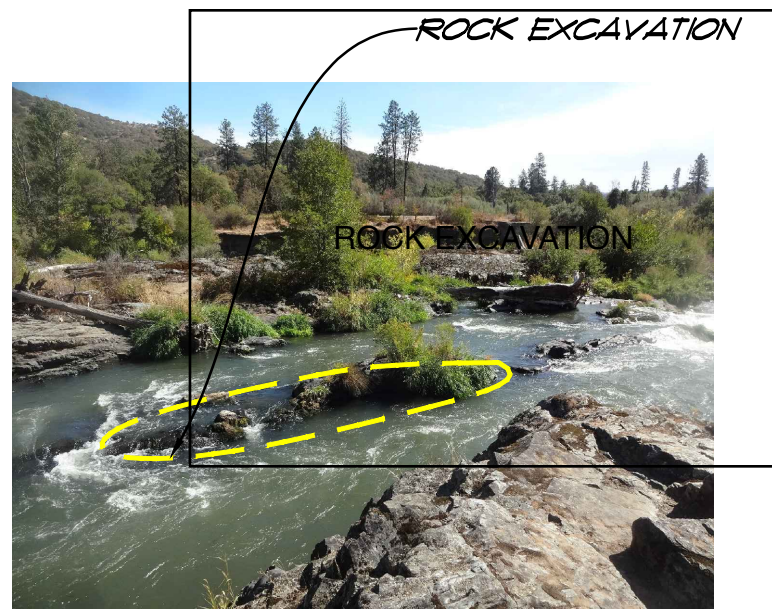
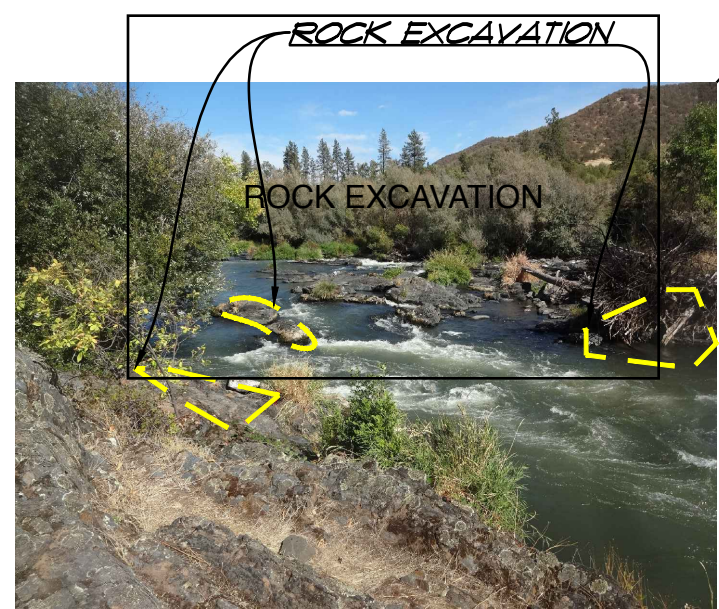
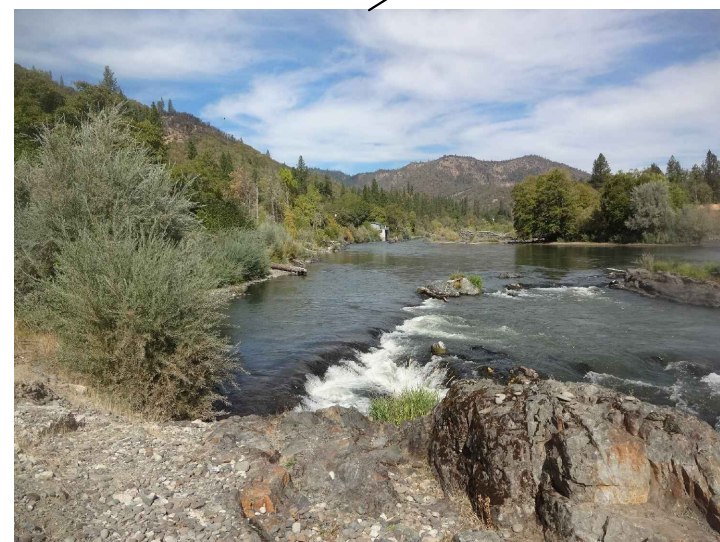
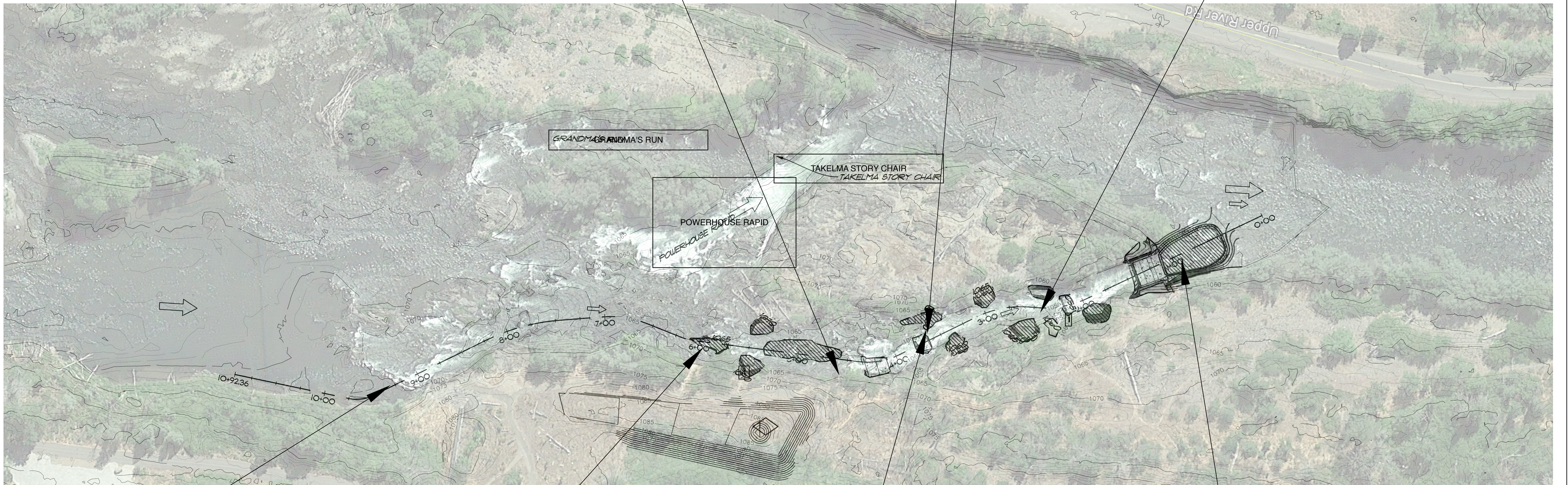
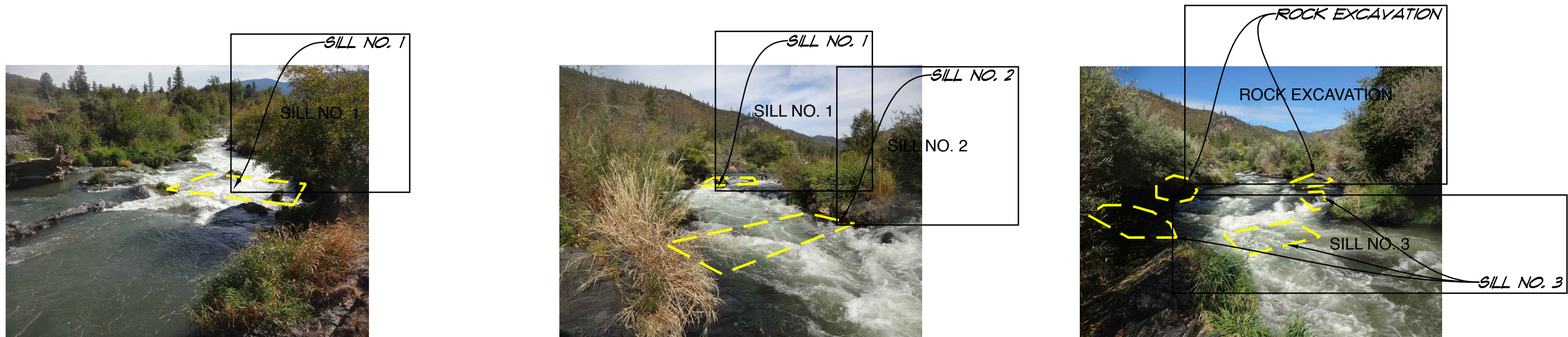




**PRELIMINARY**  
NOT FOR CONSTRUCTION

Number	Revision	Description	By	Date	11	TILOMIKH FALLS GOLD HILL, OREGON	SEDIMENT AND EROSION CONTROL DETAILS COFFER DETAILS	2420 Alcott St Denver, CO 80211 T303.964.3333 F303.964.3355 A DIVISION OF MERRICK & COMPANY	DESIGN: JA DETAIL: JA CHECK: REM DATE: AUGUST 2017 PROJECT NUMBER 65418397	Drawing Number: <b>9</b>
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**PRELIMINARY**  
NOT FOR CONSTRUCTION



Number	Revision Description	By	Date	GOLD HILL WHITewater CENTER	TILOMIKH FALLS GOLD HILL, OREGON	EXISTING CONDITIONS PHOTOS SITE PLAN	 <div> <div>2420 Alcott St Denver, CO 80211 T303.964.3333 F303.964.3355</div> <div>           DESIGN: JA            DETAIL: JA            CHECK: REM            DATE: AUGUST 2017         </div> </div> <div> <div>PROJECT NUMBER 65418397</div> <div>Drawing Number: <b>12</b></div> </div>
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