

Lisboa Diversion Dam Replacement

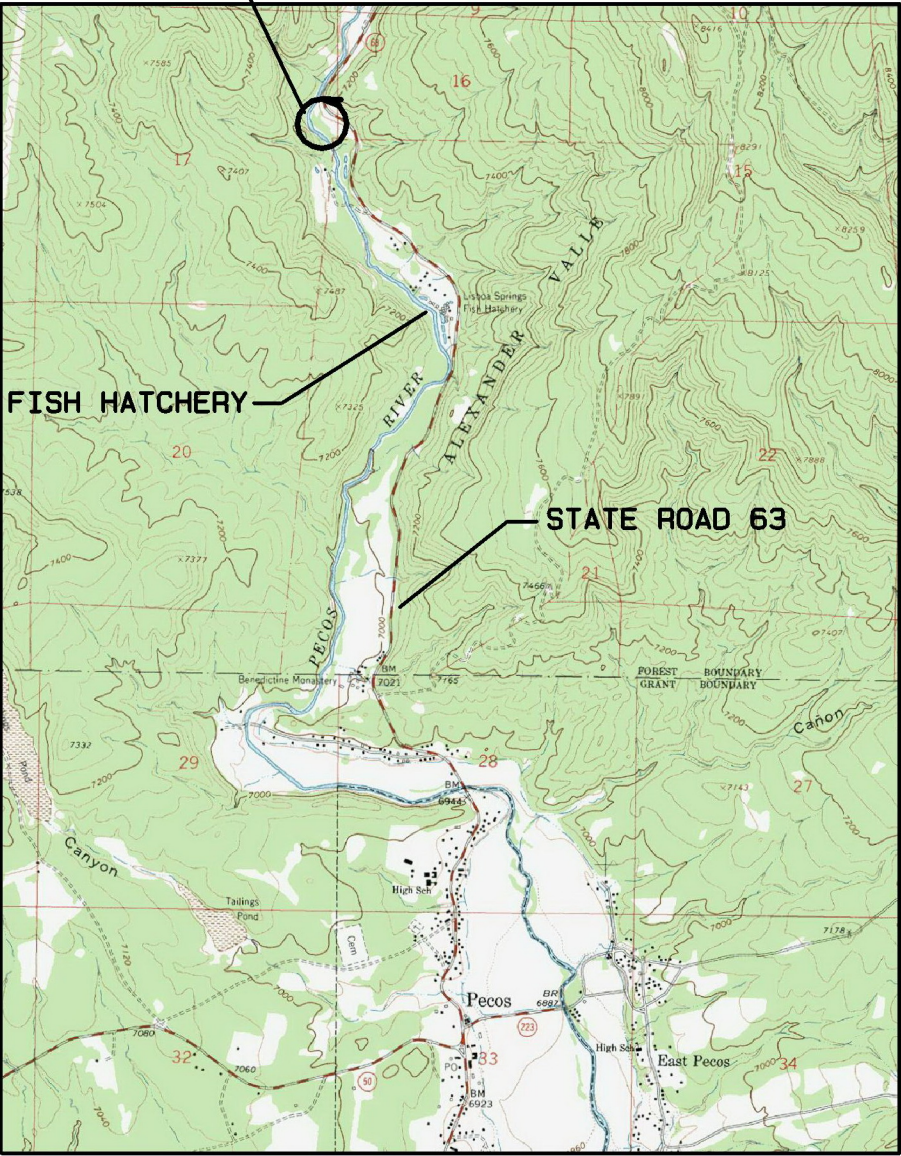
McElvain Property, near Pecos, NM

Prepared for the NM Department of Game & Fish

PROJECT LOCATION

LISBOA FISH HATCHERY

STATE ROAD 63



LOCATION MAP

Index of Drawings

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- 5. Replacement Dam Site Plan
- 6. Replacement Dam Profile & Cross Section
- 7. Replacement Dam Grading Plan
- 8. Fish Passage Plan & Profile
- 9. Miscellaneous Details
- 10. Miscellaneous Details
- 11. Site Restoration Plan

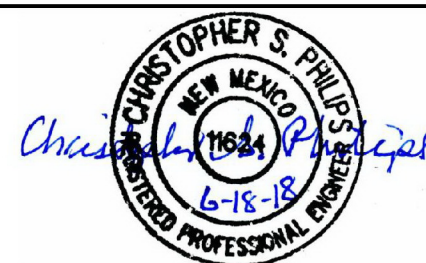
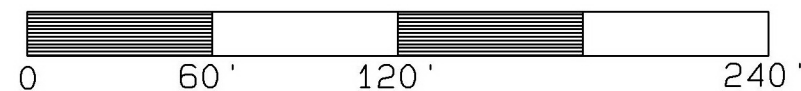
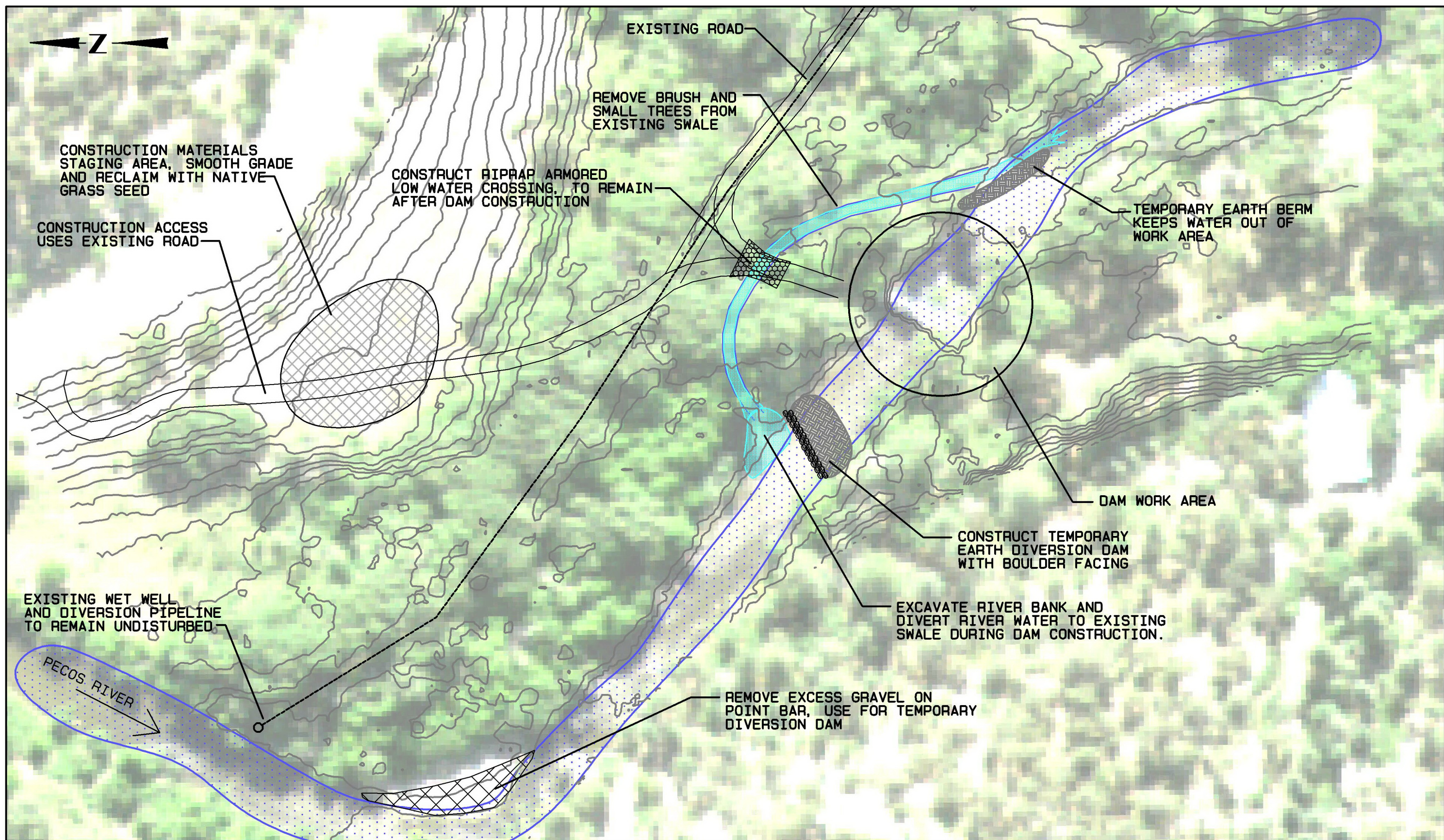


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Lisboa Diversion Dam Replacement		
Pecos River At McElvain		Sheet
COVER SHEET, INDEX OF DRAWINGS AND LOCATION MAP		1
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NTS		6-18-2018



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Lisboa Diversion Dam Replacement

Pecos River At McElvain

CONTRACTOR ACCESS, STAGING
& WATER DIVERSION PLAN

Scale: 1"= 60 ft

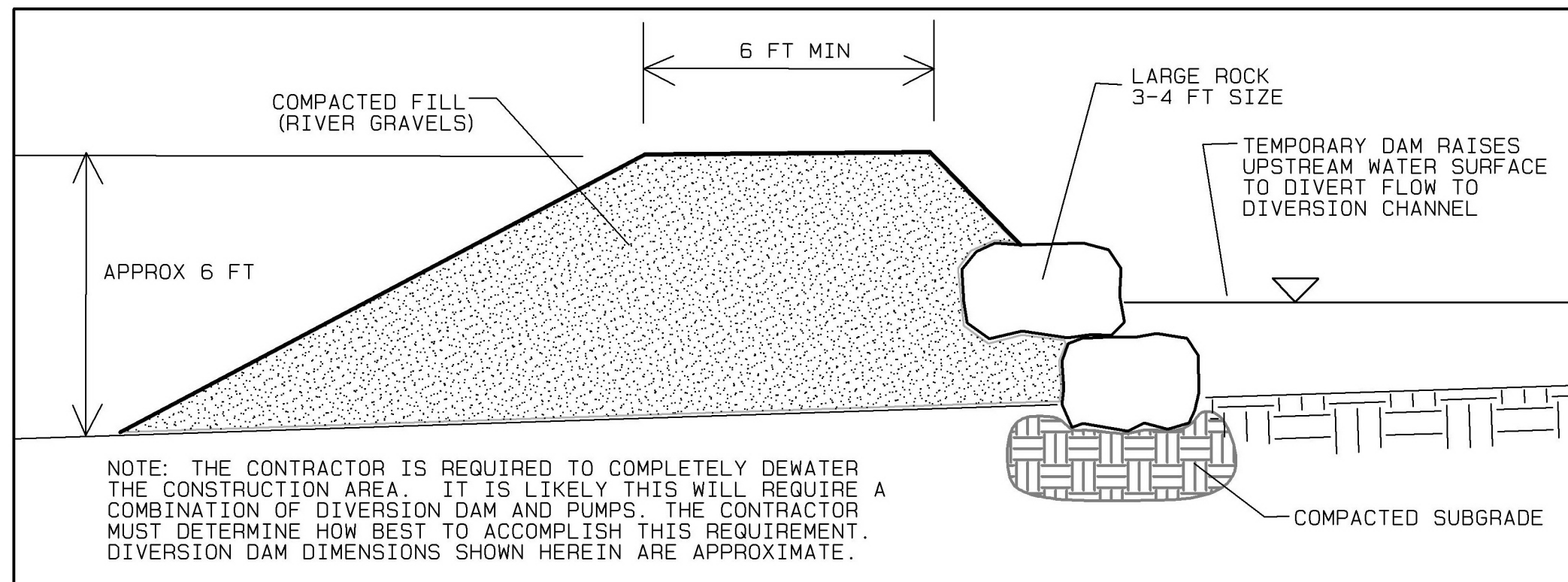
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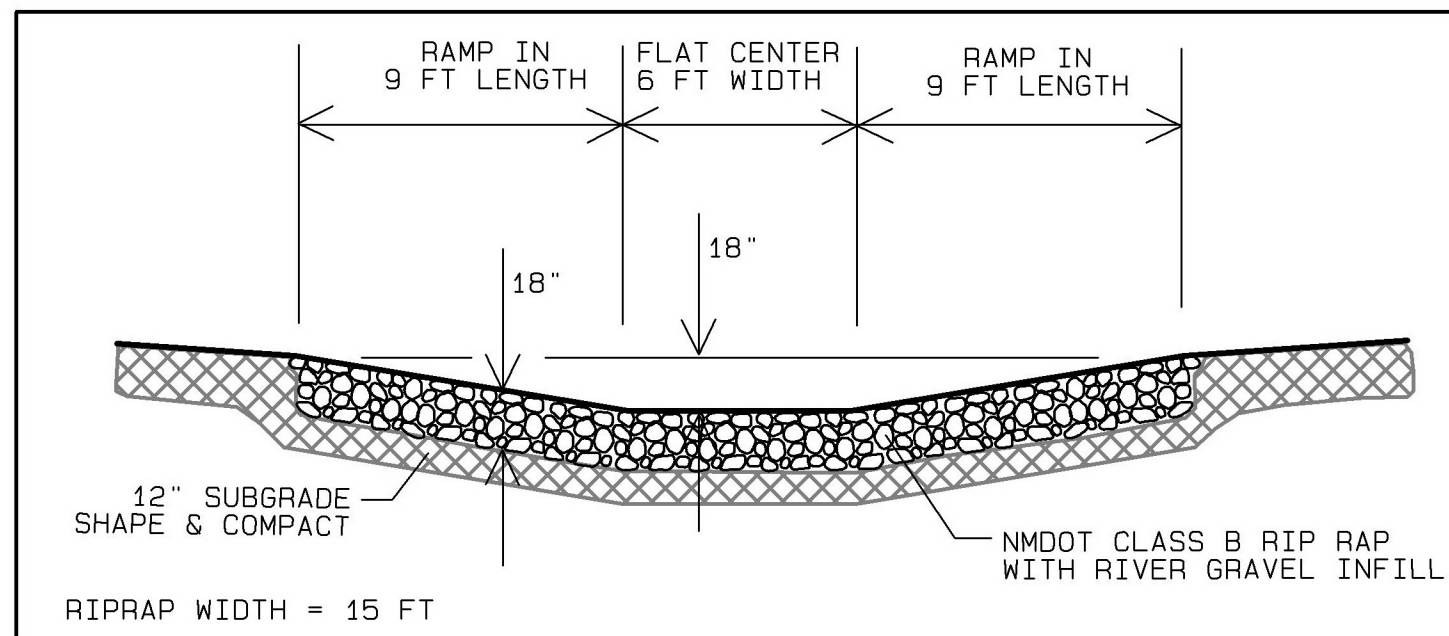
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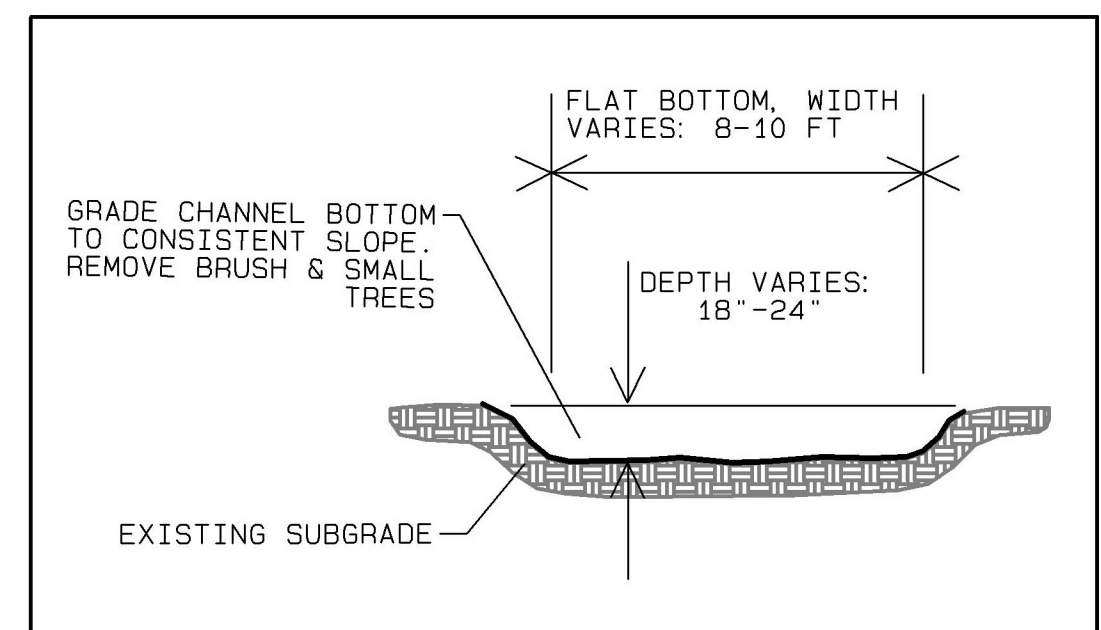
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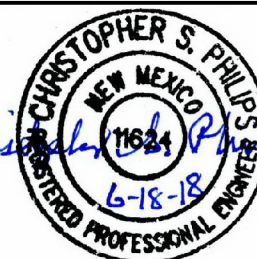
WATER DIVERSION DAM SECTION



LOW WATER CROSSING PROFILE



BYPASS CHANNEL SECTION



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Lisboa Diversion Dam Replacement

Pecos River At McElvain

WATER DIVERSION DETAILS

NTS

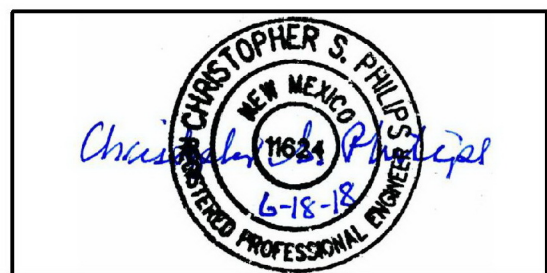
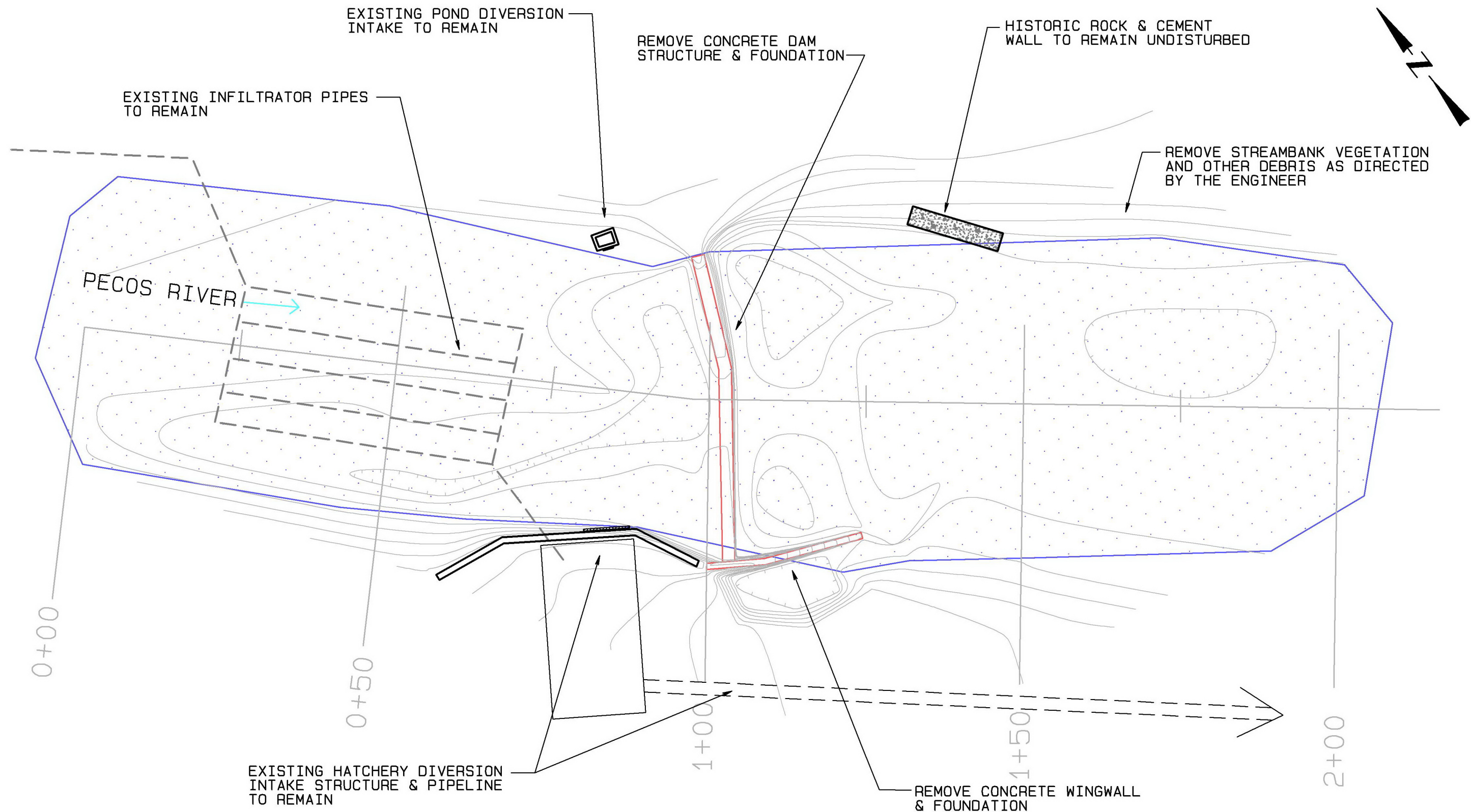
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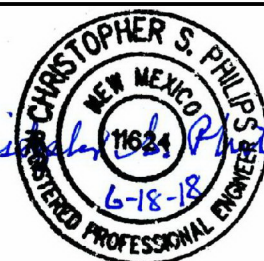
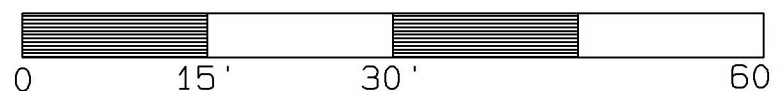
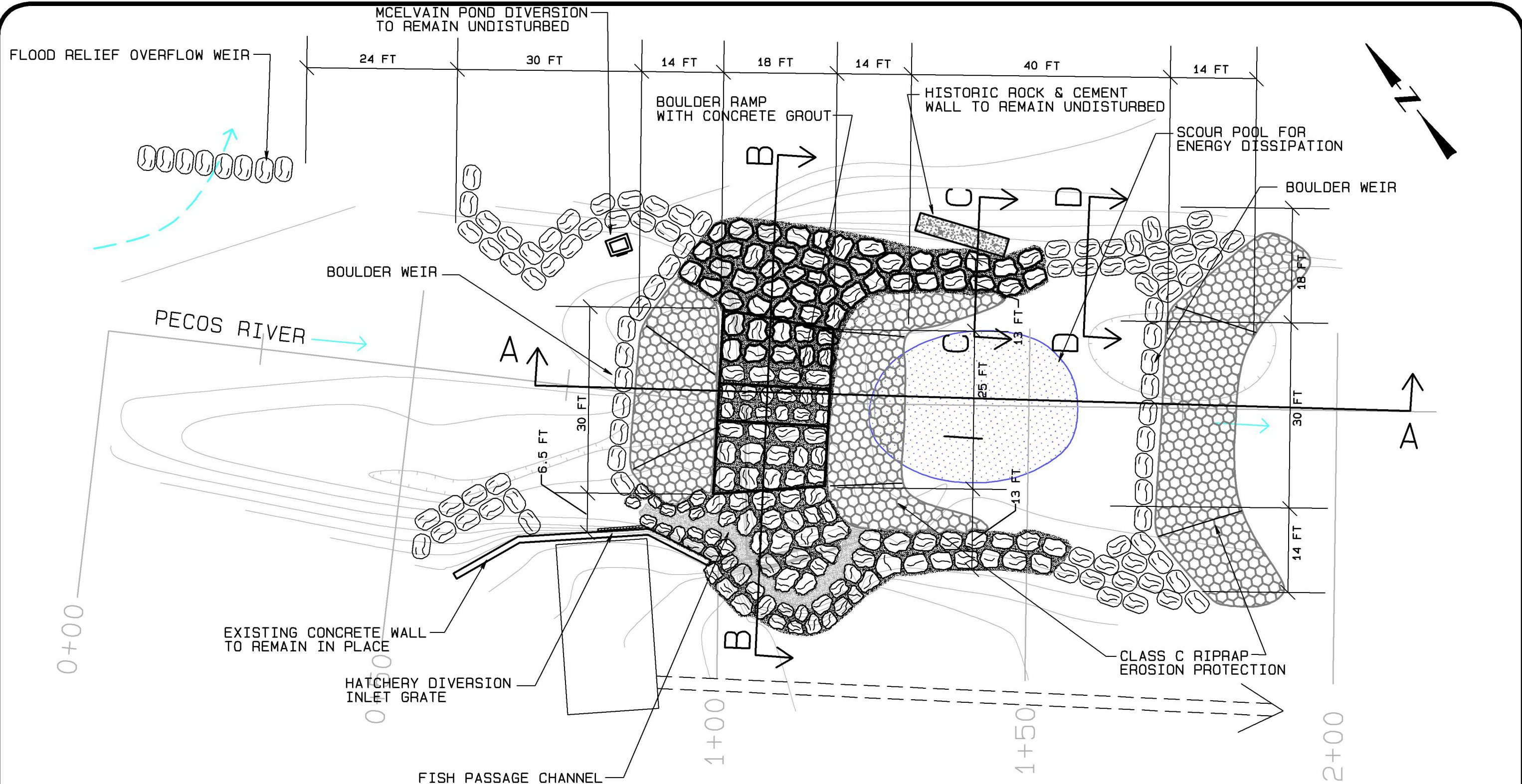
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Lisboa Diversion Dam Replacement	
Pecos River At McElvain	Sheet
DEMOLITION PLAN	4
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Scale: 1" = 15ft	Updated: 10-17-2018



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Lisboa Diversion Dam Replacement

Pecos River At McElvain

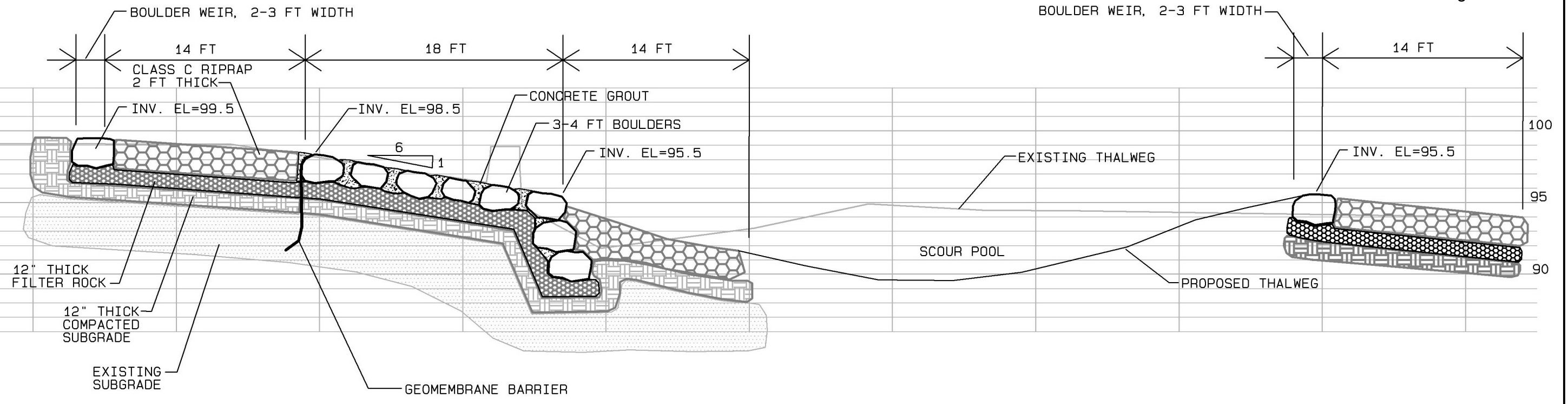
REPLACEMENT DAM
SITE PLAN

Scale: 1" = 15ft

Updated:
10-17-2018

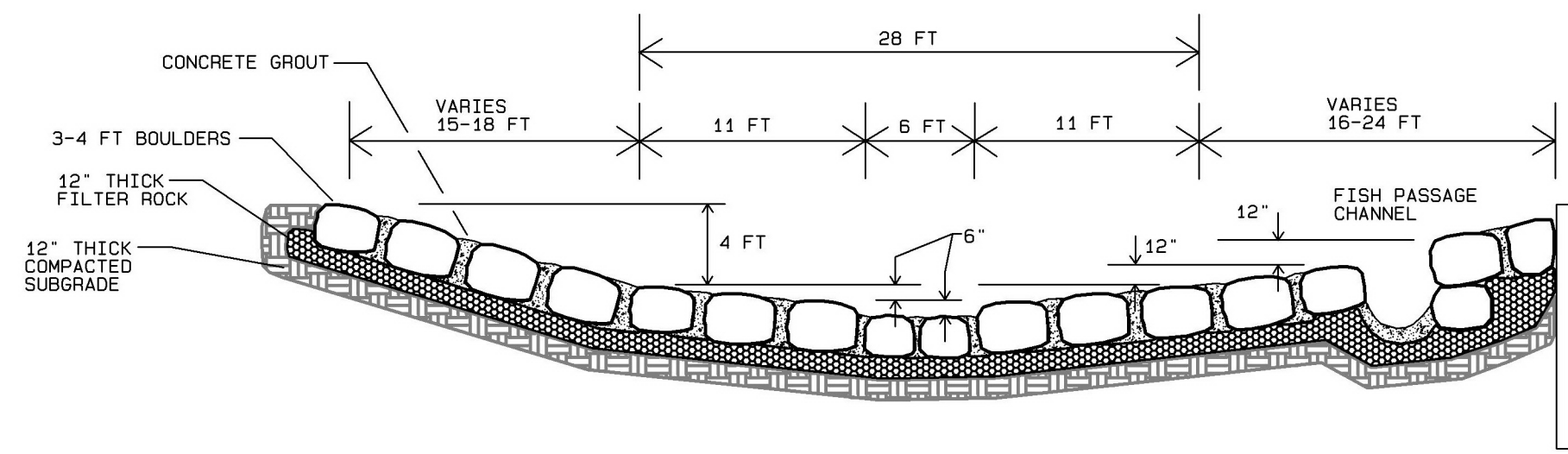
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Figure 1



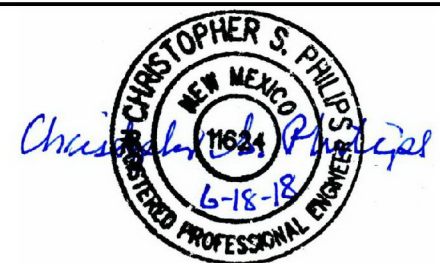
PROFILE A-A

Scale: 1"=7 ft



SECTION B-B

Scale: 1"=8 ft



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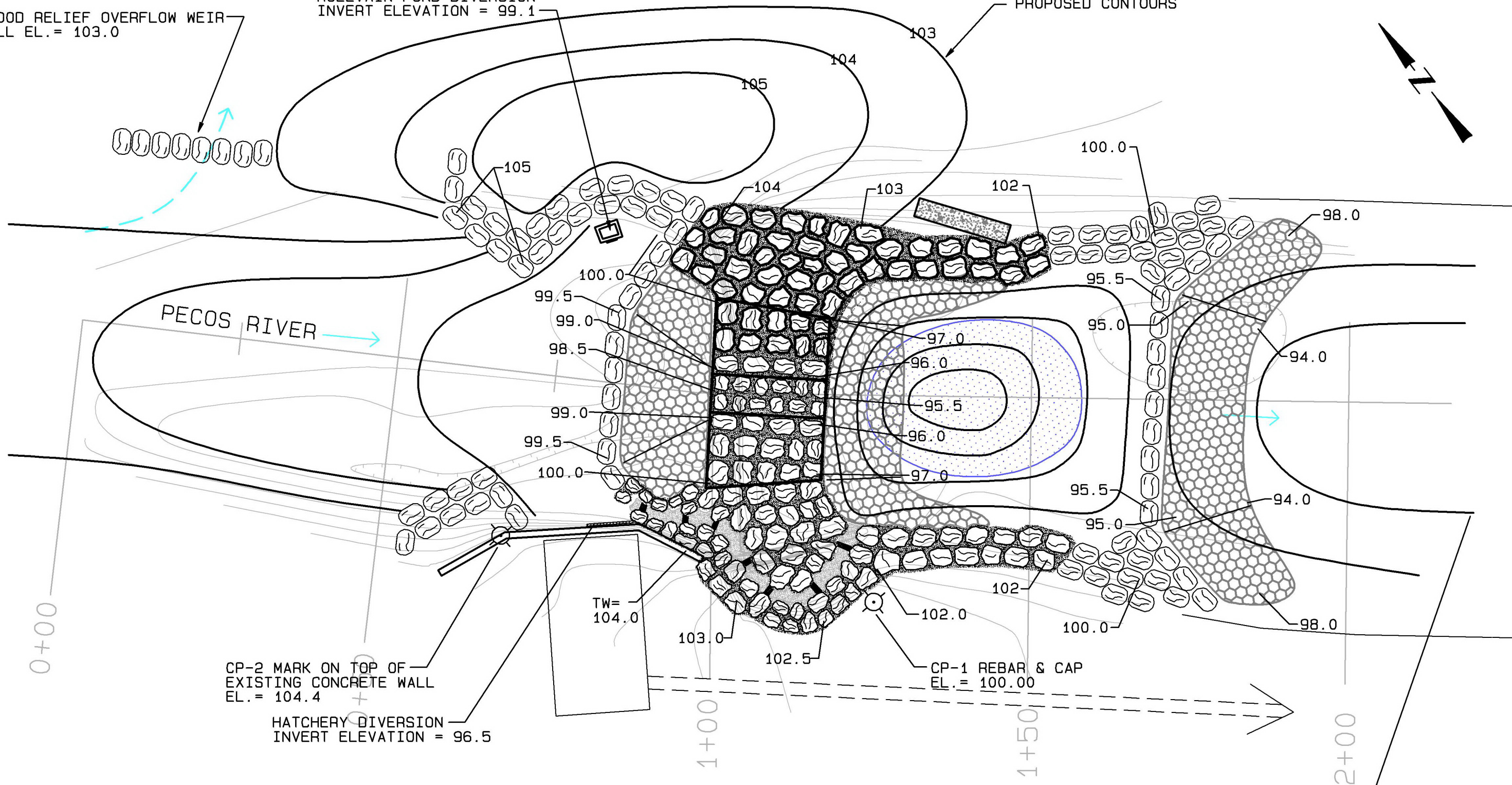
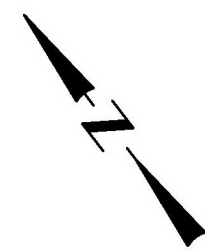
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Lisboa Diversion Dam Replacement		
Pecos River At McElvain		Sheet
REPLACEMENT DAM PROFILE & CROSS SECTION		6
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Scale: Varies		6-18-2018

FLOOD RELIEF OVERFLOW WEIR
SILL EL. = 103.0

MC ELVAIN POND DIVERSION
INVERT ELEVATION = 99.1

PROPOSED CONTOURS



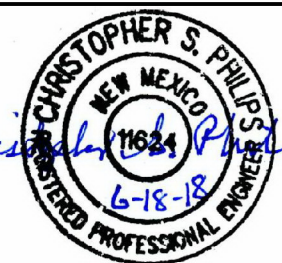
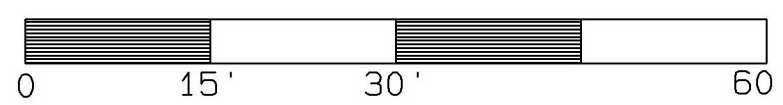
CP-2 MARK ON TOP OF
EXISTING CONCRETE WALL
EL. = 104.4

HATCHERY DIVERSION
INVERT ELEVATION = 96.5

TW =
104.0

CP-1 REBAR & CAP
EL. = 100.00

GRADE RIVER CHANNEL DOWNSTREAM 200 FT
PER DIRECTION OF THE ENGINEER. INCLUDES
DEBRIS REMOVAL, BAR SHAPING, BED SLOPING, ETC.

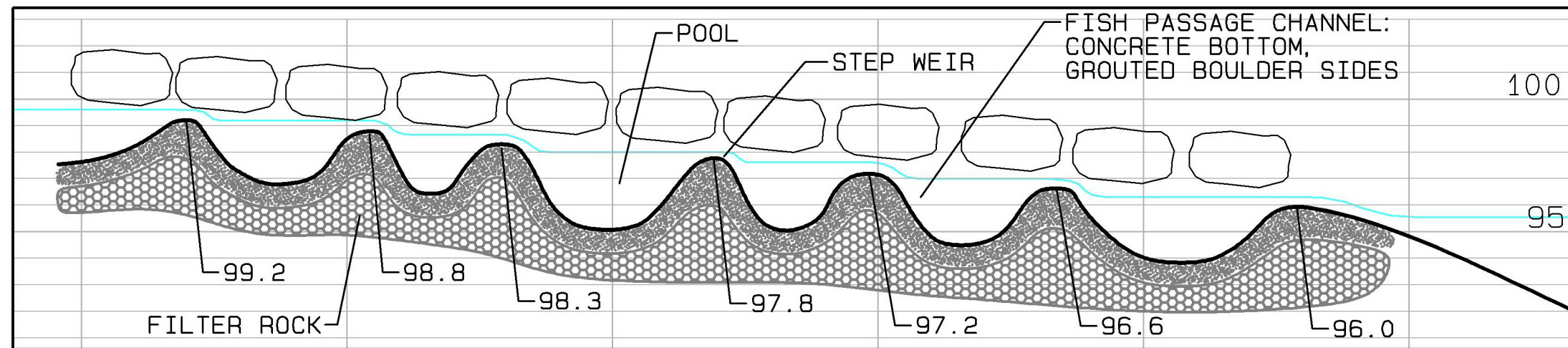


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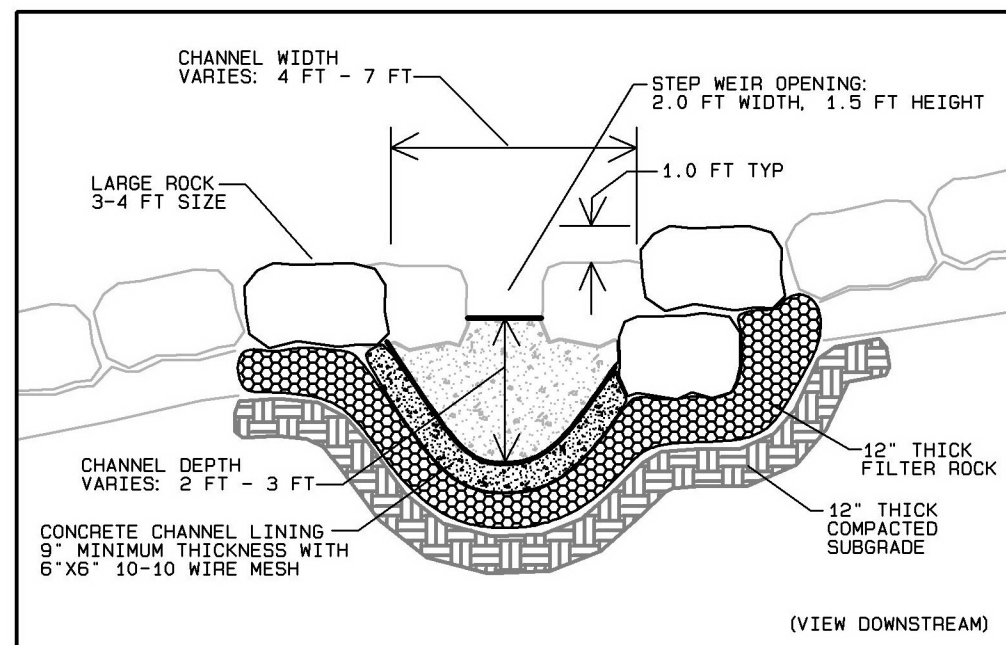
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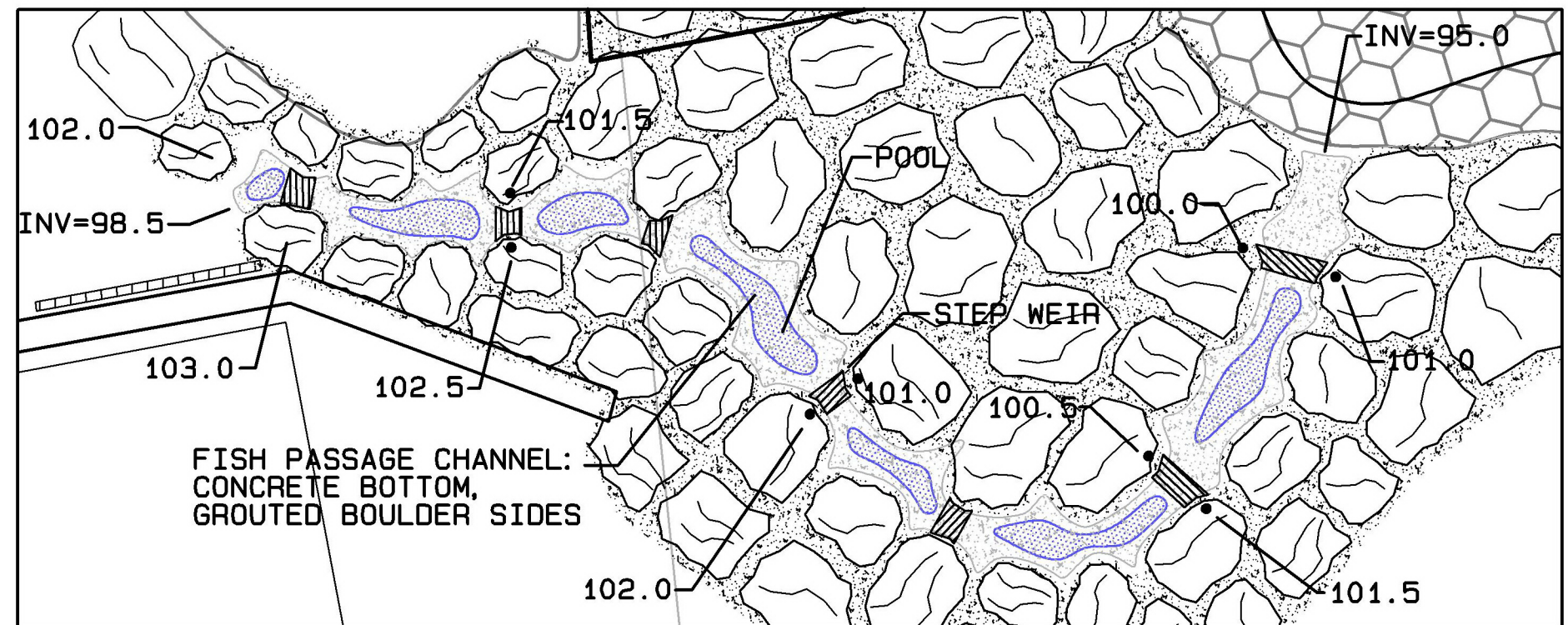
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REPLACEMENT DAM GRADING PLAN	7
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Scale: 1" = 15ft	Updated: 10-17-2018



FISH PASSAGE CHANNEL PROFILE



FISH PASSAGE CHANNEL TYPICAL SECTION



FISH PASSAGE CHANNEL PLAN



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Lisboa Diversion Dam Replacement

Pecos River At McElvain

FISH PASSAGE
PLAN & PROFILE

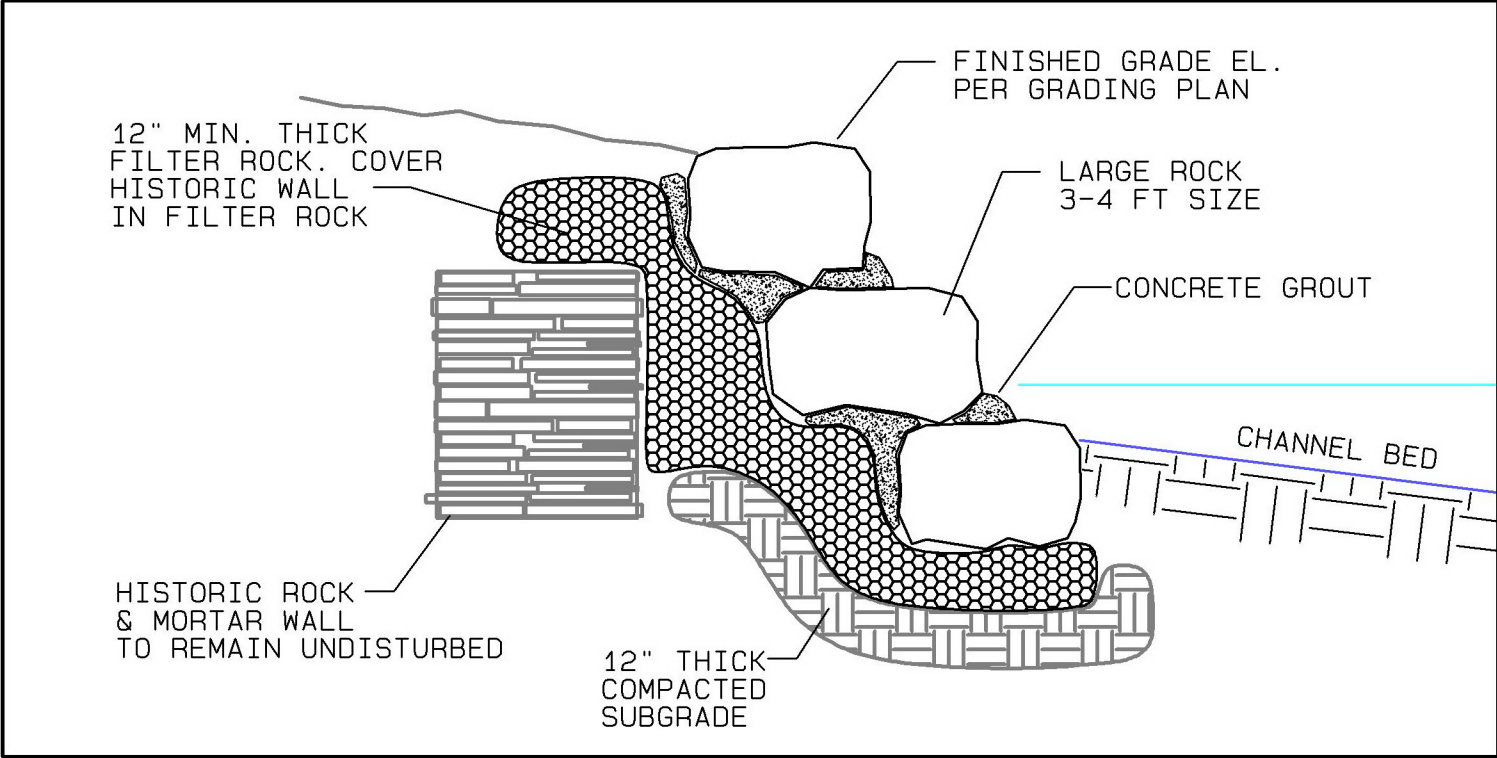
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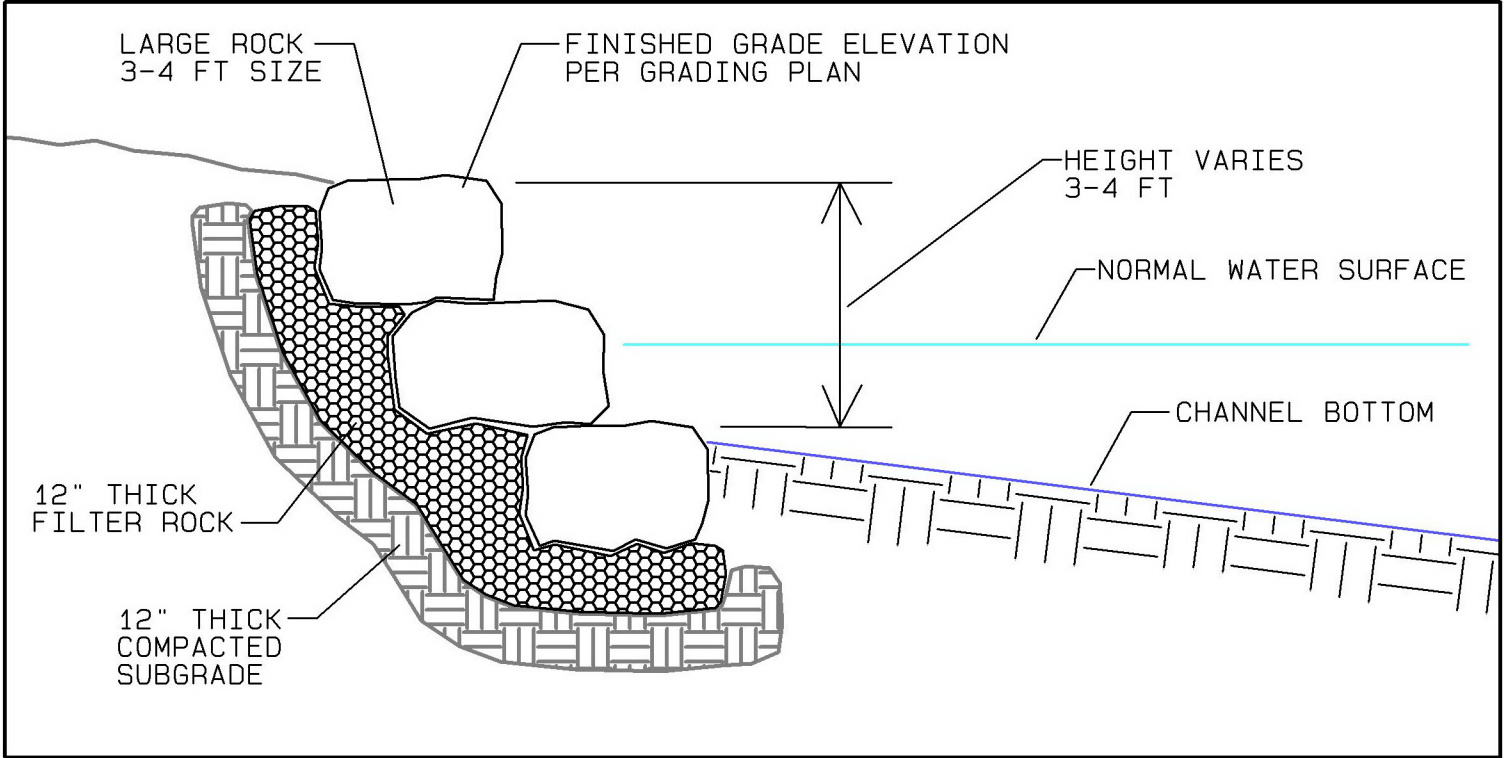
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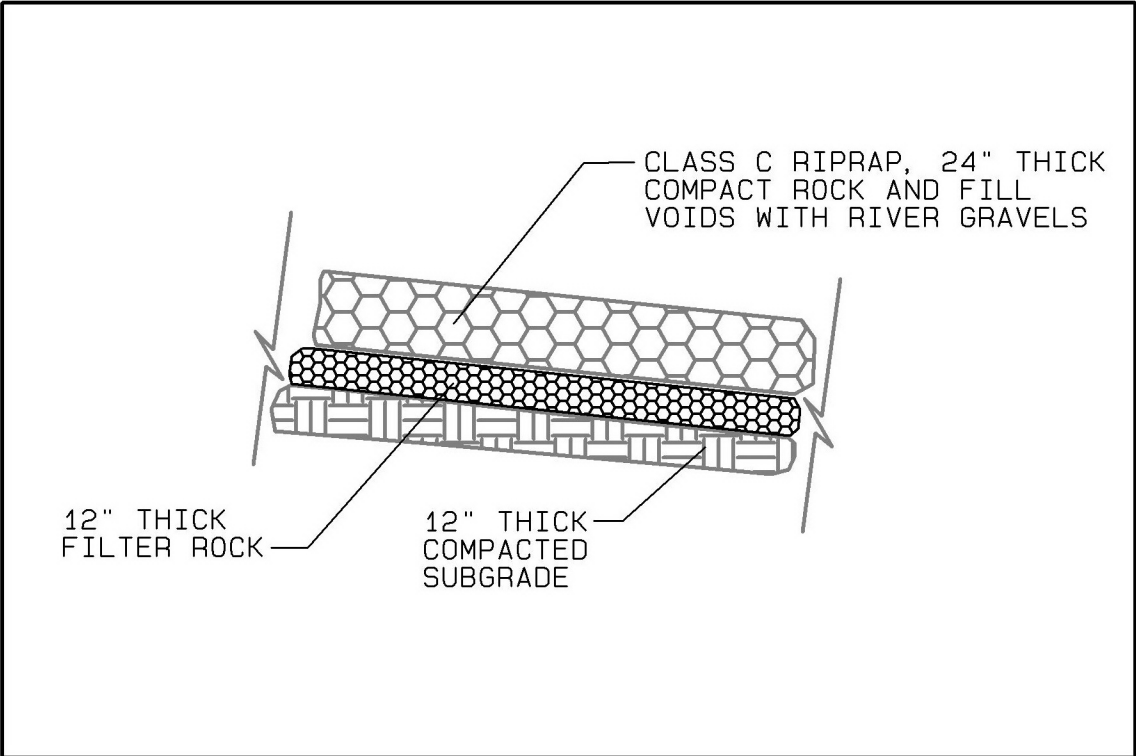
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GROUTED ROCK BANK PROTECTION SECTION
SECTION C-C

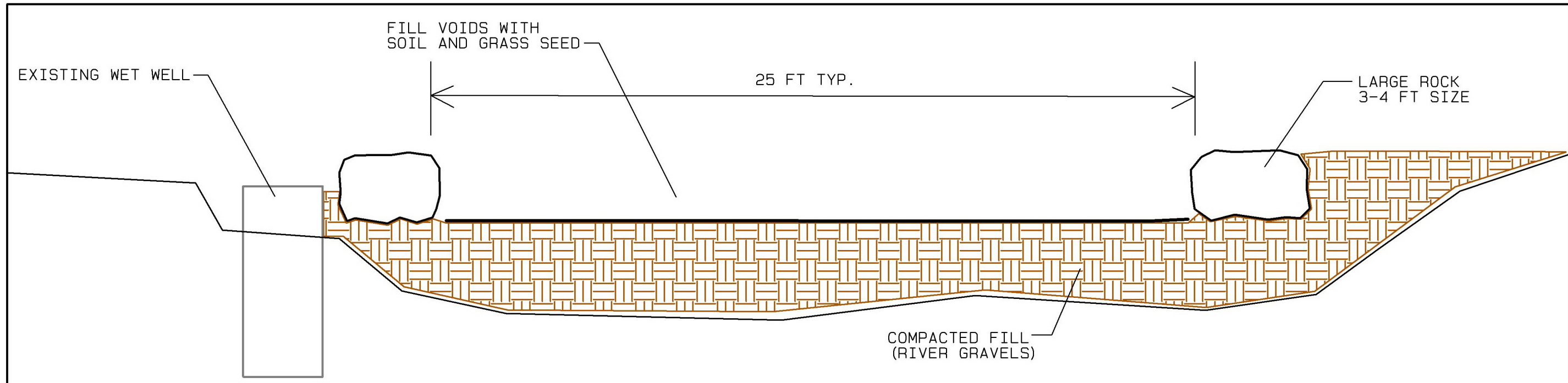


ROCK BANK PROTECTION SECTION
SECTION D-D

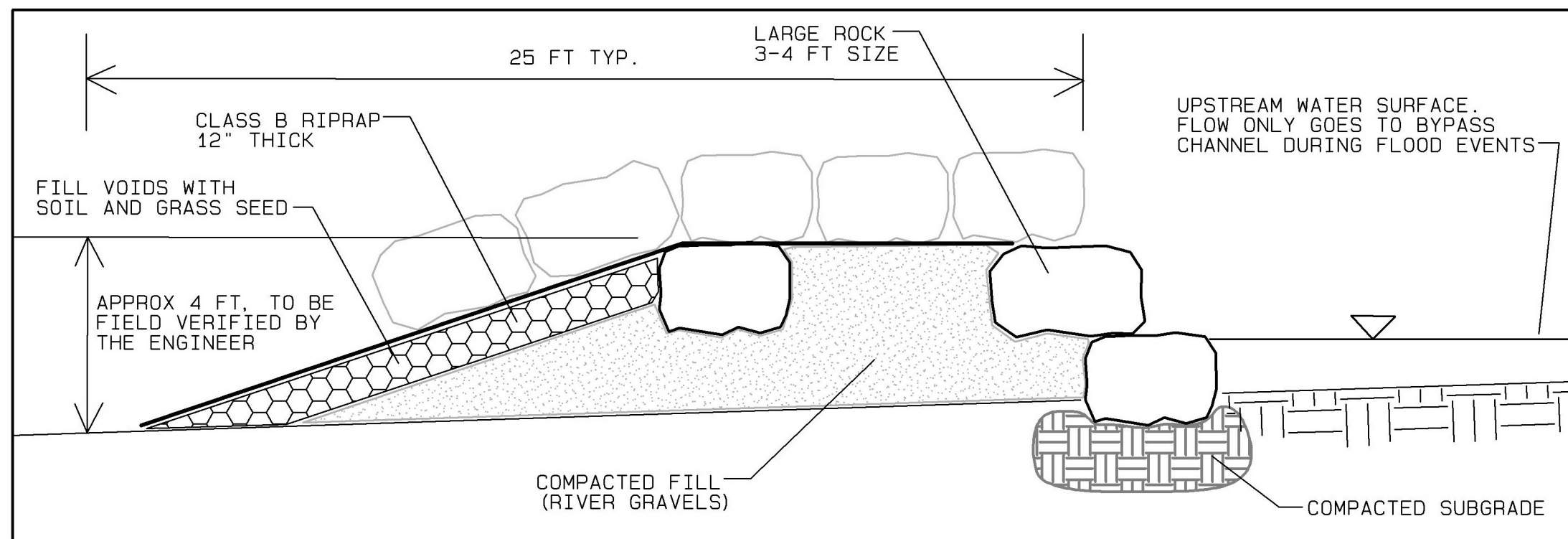


CHANNEL BED RIPRAP
TYPICAL SECTION

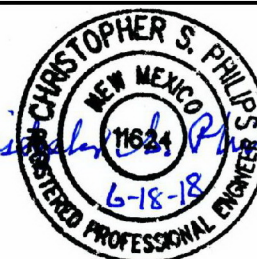
	Riverbend Engineering, LLC 1309 Rio Grande Blvd. Albuquerque, NM 87104 Tel: 505.344.3315 Email: ea@riverrestoration.com		Lisboa Diversion Dam Replacement Pecos River At McElvain		Sheet 9 of 11
	102 Third St. P.O. Box 2979 Pagosa Springs, CO 81147 Tel: 970.264.1195 WWW.riverrestoration.com		MISCELLANEOUS DETAILS		
			NTS		Updated: 10-17-2018



OVERFLOW WEIR SECTION



OVERFLOW WEIR PROFILE



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Lisboa Diversion Dam Replacement

Pecos River At McElvain

MISCELLANEOUS DETAILS

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RECLAIM CONSTRUCTION MATERIALS
STAGING AREA, SMOOTH GRADE, SEED
& MULCH WITH NATIVE GRASS MIX

CONSTRUCTION ACCESS
USES EXISTING ROAD

EXISTING ROAD

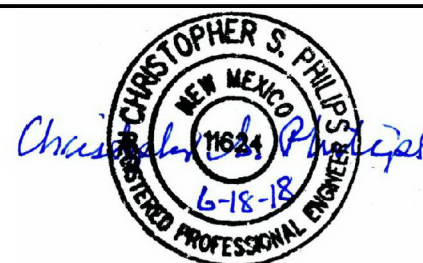
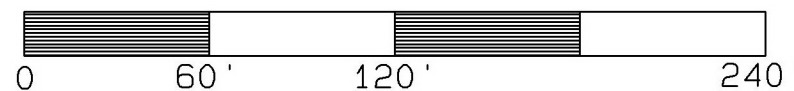
REGRADE RIVER CHANNEL, POINT BAR
AND POOL AREAS PER ENGINEER'S DIRECTION

ROCK SILL

CONSTRUCT OVERFLOW WEIR WITH
LARGE ROCKS AND SOIL FILL.
ENGINEER TO DETERMINE FINISHED GRADE.

REGRADE RIVER CHANNEL, POINT BAR
AND POOL AREAS PER ENGINEER'S DIRECTION

PECOS RIVER



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Lisboa Diversion Dam Replacement

Pecos River At McElvain

SITE RESTORATION PLAN

Scale: 1"= 60 ft

6-18-2018

Sheet

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