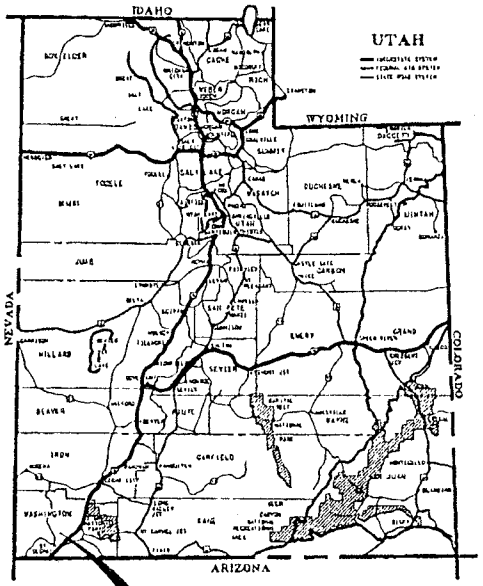
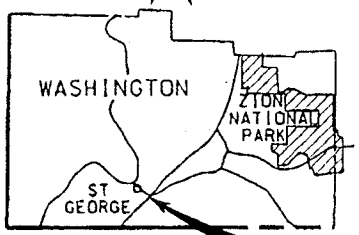
Fig. 1 of 7





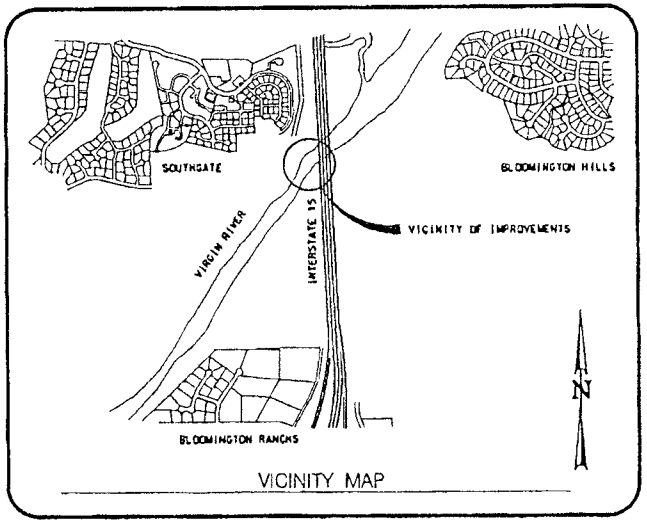
PROJECT LOCATION

PLANS FOR THE

CONSTRUCTION OF

WEBB HILL FISH BARRIER WASHINGTON COUNTY WATER CONSERVANCY DISTRICT

WASHINGTON COUNTY, UTAH



VICINITY MAP

INDEX OF DRAWINGS

SHEET NO.	TITLE
1	TITLE SHEET
2	SITE PLAN EXCAVATION
3	SITE PLAN GRADING
4	PROFILE SHEET
5	FISH BARRIER DETAILS
6	DRILL HOLE SITE PLAN LOCATION, PROFILE AND LOGS

OWNER'S ACCEPTANCE

THE WASHINGTON COUNTY WATER CONSERVANCY DISTRICT CERTIFIES THAT THE DISTRICT ACCEPTS THE PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION OF WEBB HILL FISH BARRIER.

_____ _____
DATE

ENGINEER'S CERTIFICATE

RB&G ENGINEERING INC., CERTIFIES THAT THE CORPORATION WAS EMPLOYED TO PREPARE THE DRAWINGS & SPECIFICATIONS FOR THE CONSTRUCTION OF THE WEBB HILL FISH BARRIER NEAR ST. GEORGE, UTAH AND THAT THESE DRAWINGS CONSISTING OF 6 SHEETS AND THE ACCOMPANYING SPECIFICATIONS ARE THE INFORMATION TO BE SUBMITTED FOR APPROVAL.

_____ _____
VICE-PRESIDENT, RB&G ENGINEERING INC. DATE

PROFESSIONAL ENGINEERS LICENSE NO. _____

RB&G ENGINEERING INC.
1435 WEST 820 NORTH
PROVO, UTAH 84601-1343
801 374-5771 PROV
801 521-5771 SALT LAKE CITY

NO.	REVISION	MADE BY	DATE

DESIGNED BY MARC STEINSCH
DRAWN BY J.M. WEBB
CHECKED BY R. C. PRICE
SCALE HORIZ. N/A
VERT. N/A
DATE MARCH 24, 2000

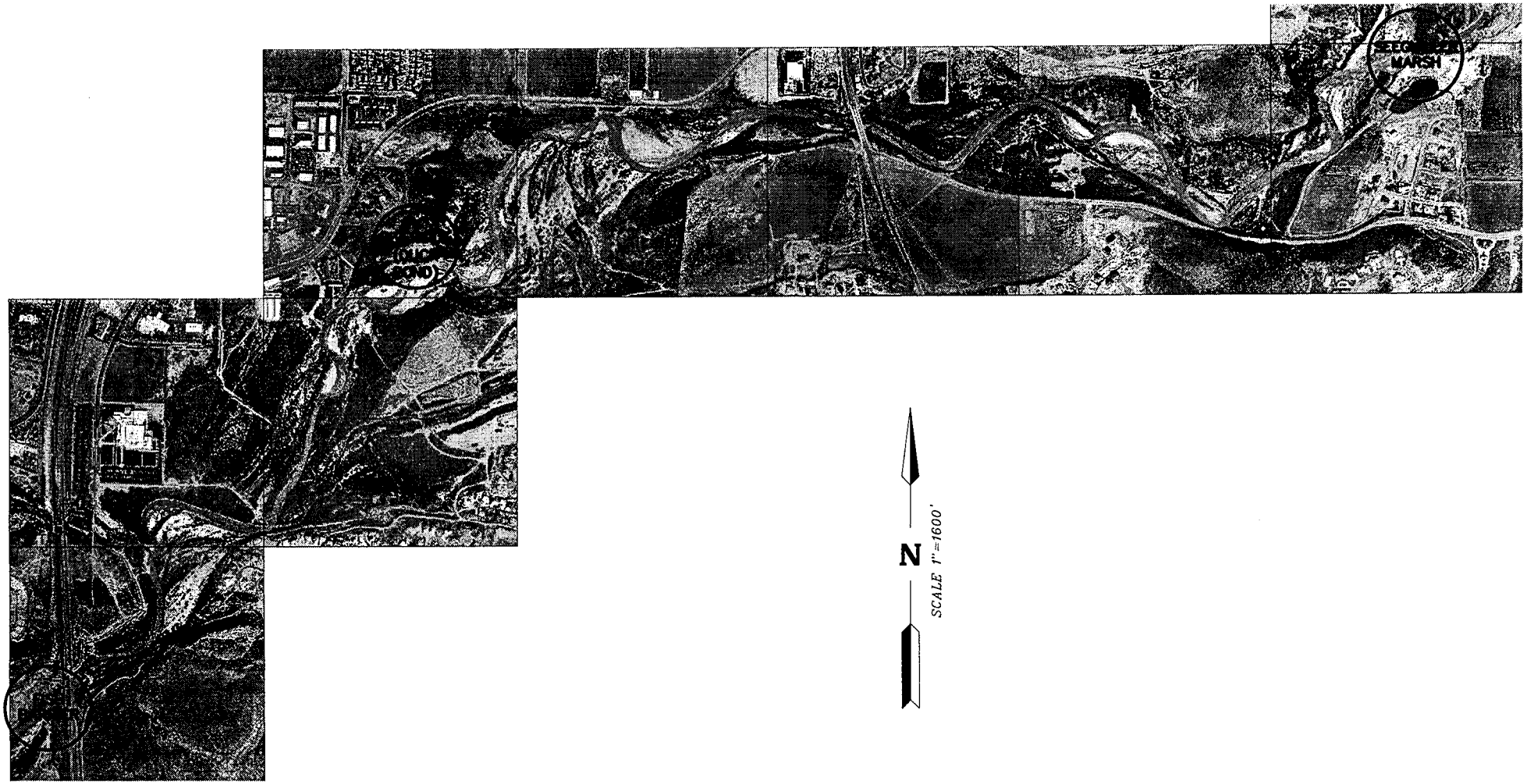
WASHINGTON COUNTY CONSERVANCY DISTRICT

WEBB HILL FISH BARRIER

TITLE SHEET

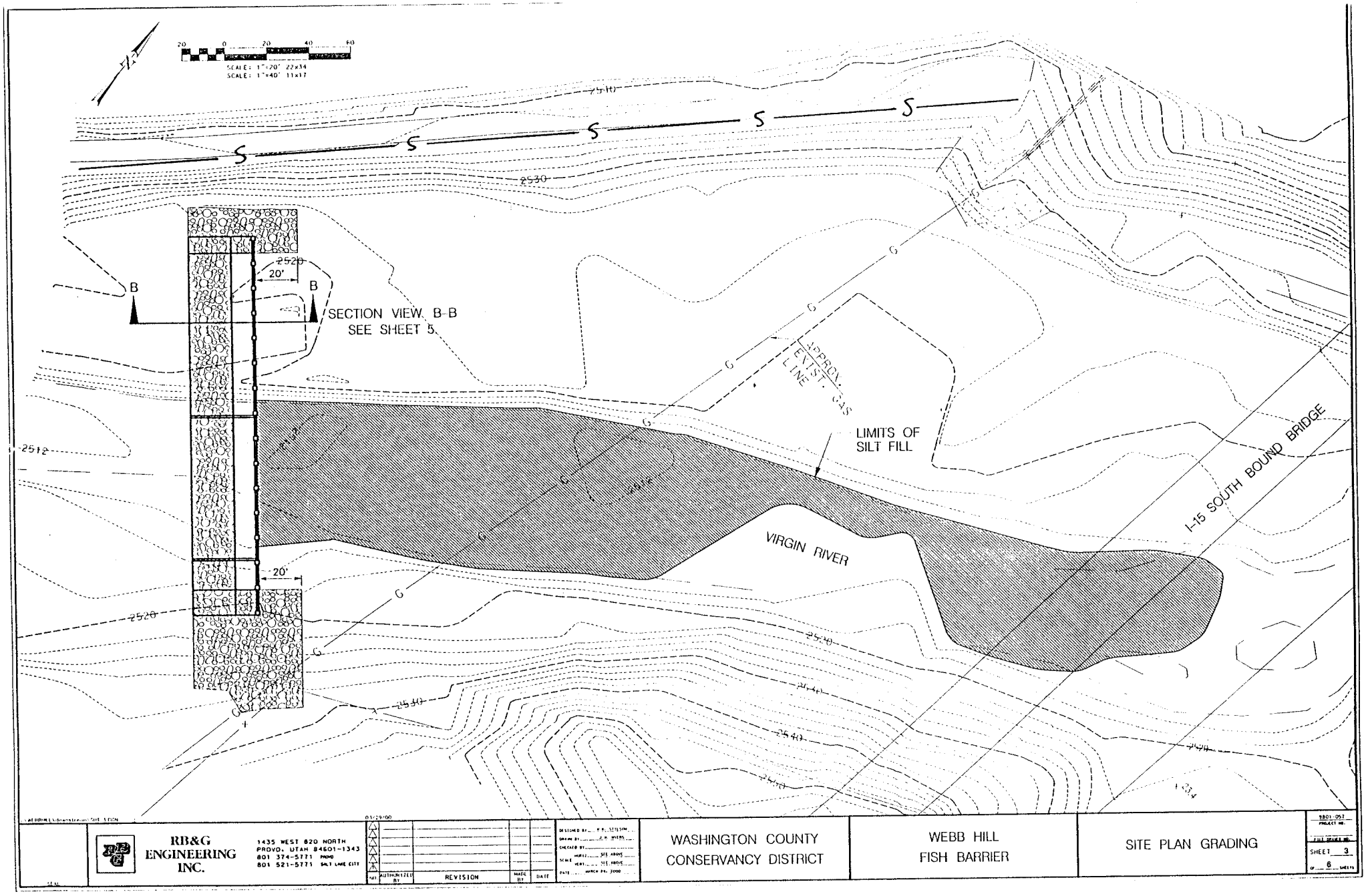
8801-057 PROJECT NO.

SHEET 1 OF 6 SHEETS



ALPHA
ENGINEERING
148 E. TABERNACLE, ST. GEORGE, UT 84770
Telephone: (435) 628-6500

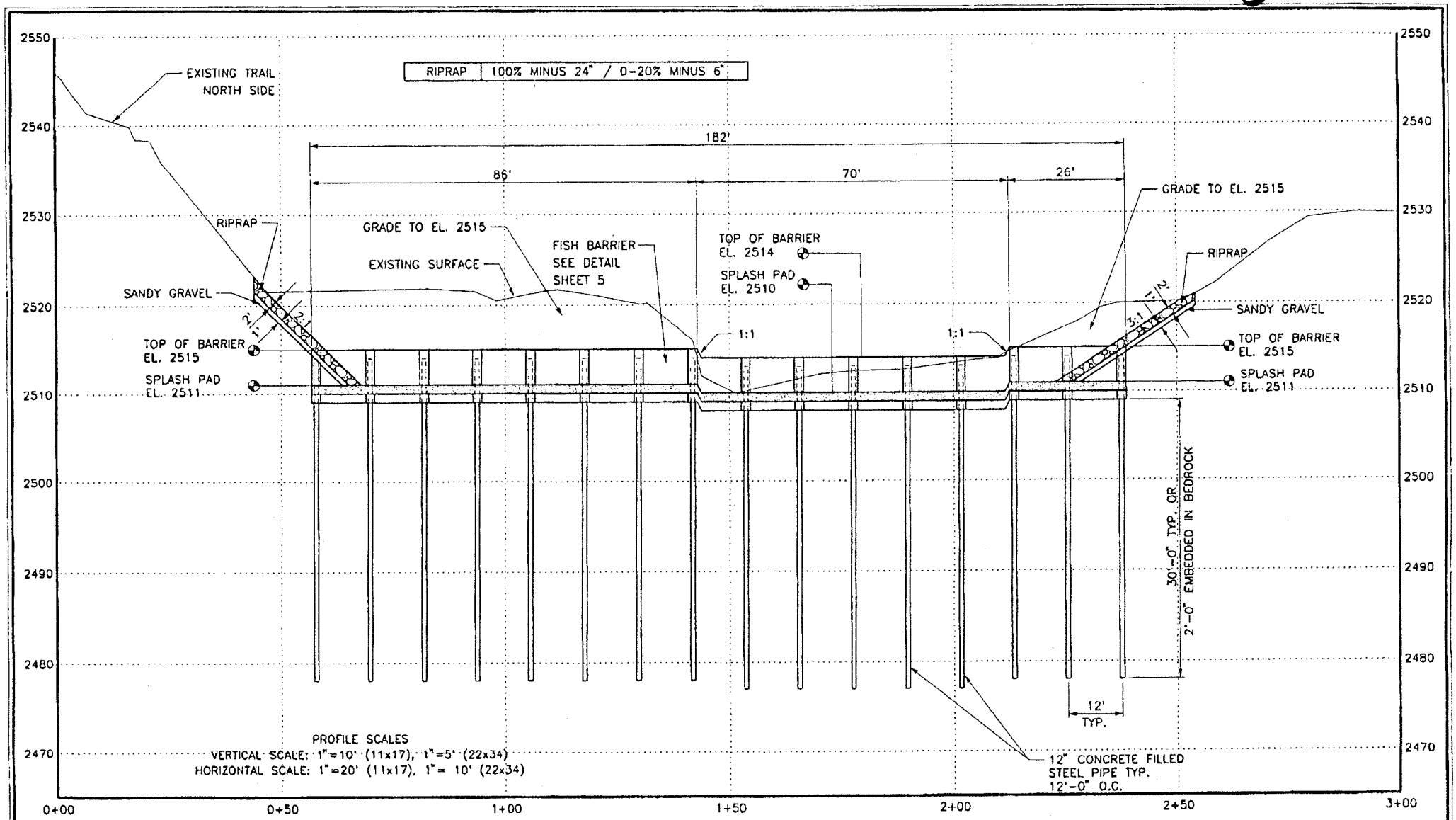
019-01/019-01BRG10BRG.DWG



Utilities Diagram

Fig. 3 of 7

Fig 4 of 7



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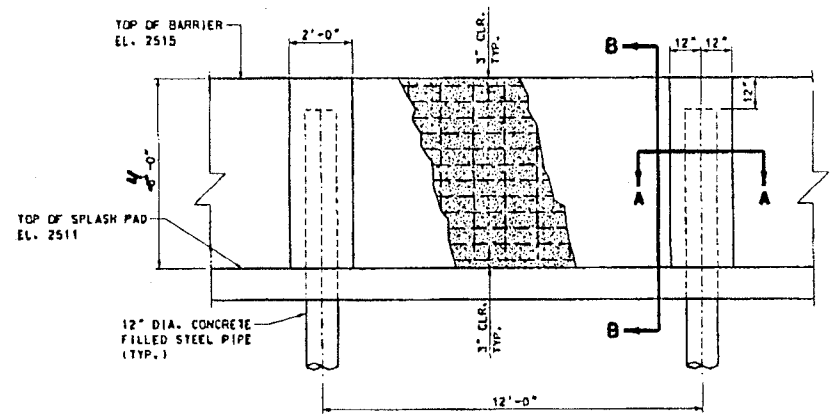
WASHINGTON COUNTY CONSERVANCY DISTRICT

WEBb HILL FISH BARRIER

PROFILE SHEET

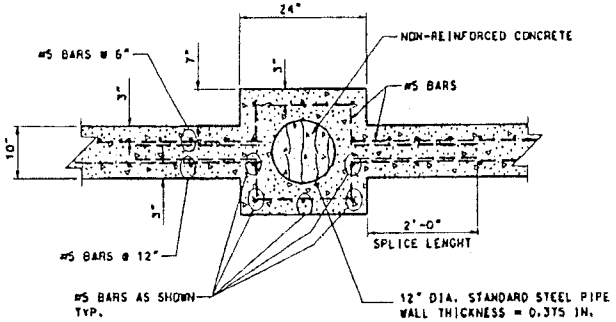
SHEET 4

Fig. 5 of 7



BARRIER DETAIL

SCALE: 1"= 2' 22x34
SCALE: 1"= 4' 11x17



SECTION A-A

SCALE: 1"= 1' 22x34
SCALE: 1"= 2' 11x17

STRUCTURAL NOTES

REINFORCED CONCRETE

1. Cement shall be Type II.
2. Concrete shall be 4000 psi.
3. Air content shall be 5 to 7%.
4. Slump shall be 4 in. ± 1 in.
5. The maximum size coarse aggregate shall be 1- inch.
6. Clear cover 3-inches all around unless otherwise specified.

NON- REINFORCED CONCRETE

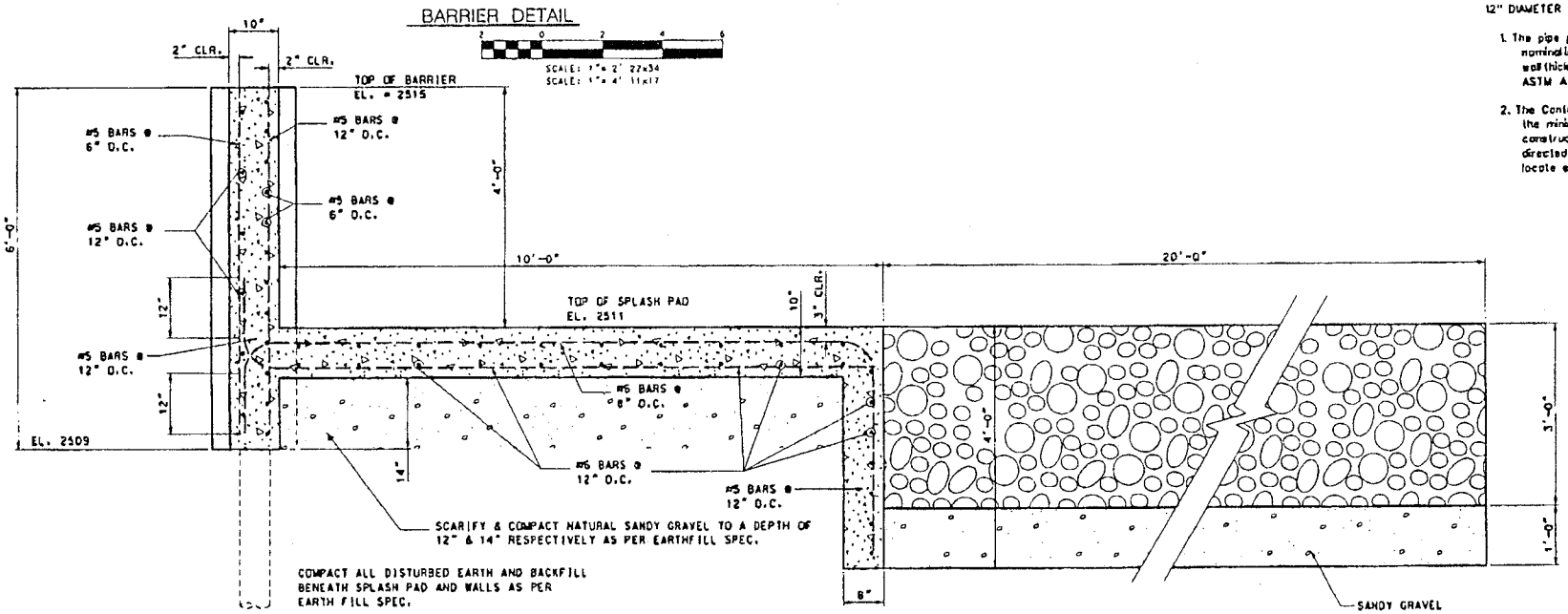
1. Concrete shall be 3000 psi.
2. Slump shall be 4-inch ± 1-inch.

ROCK RIPRAP

1. Riprap shall be furnished by the Contractor. Source and material type of riprap shall be approved by Engineer.
2. Grading shall be 6" minimum size; 12" average size; 18" maximum size.

12" DIAMETER STEEL PIPE PILES

1. The pipe piles shall be standard steel pipe with nominal inside diameter of 12 inches having a wall thickness of 0.375 inches as per ASTM A 501.
2. The Contractor shall drive the pipe piles to a the minimum required depth as shown on the construction drawings or 2 feet into bedrock as directed by the Engineer. The Engineer shall locate each hole.

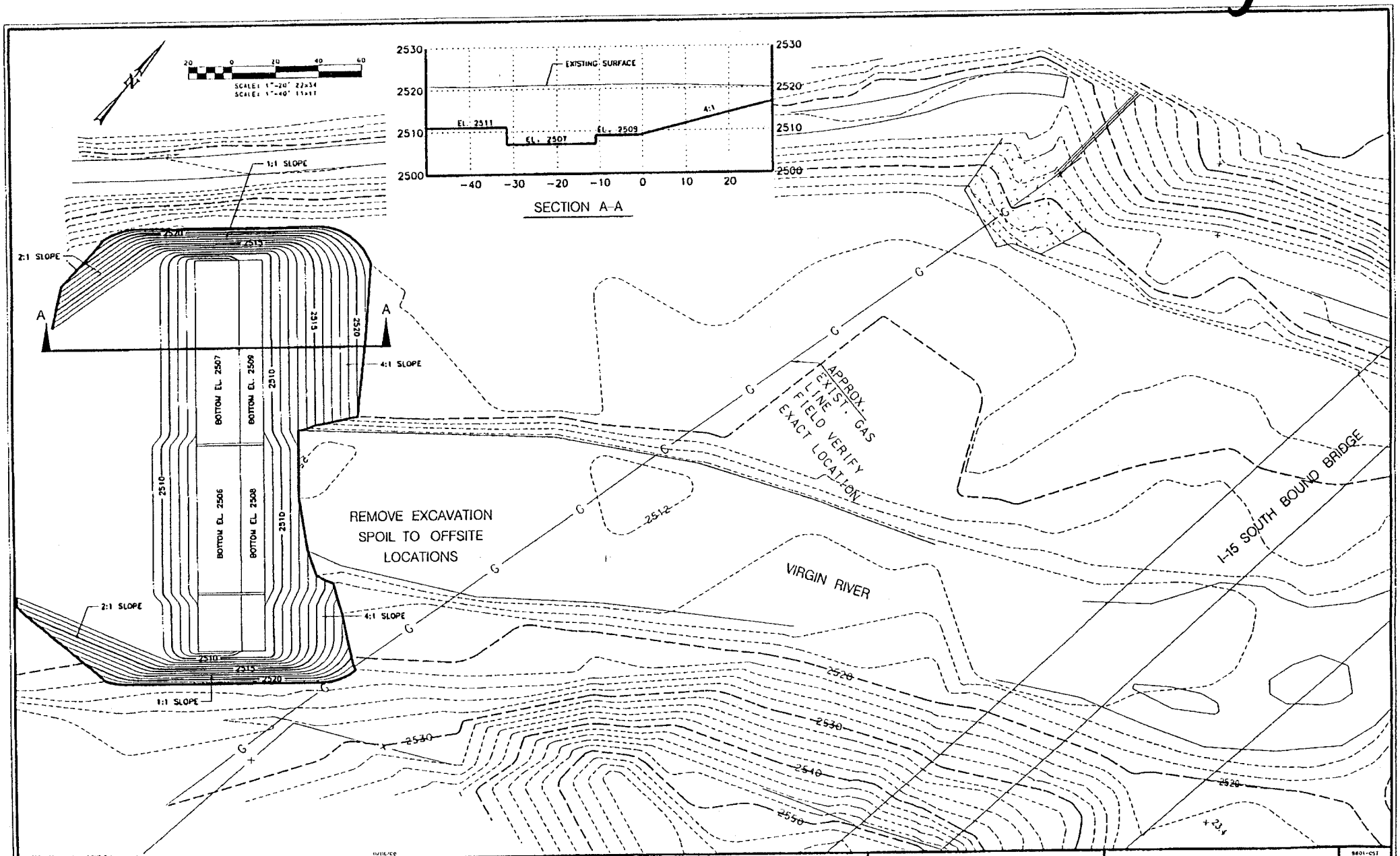


SECTION B-B

SCALE: 1"= 1' 22x34
SCALE: 1"= 2' 11x17

RB&G ENGINEERING INC. 1435 WEST 820 NORTH PROVO, UTAH 84601-1343 801 374-5771 PROVO 801 521-5771 SALT LAKE CITY	NO. AUTHORIZED BY REVISION MADE BY DATE	DESIGNED BY DRAWN BY CHECKED BY SCALE HORZ. 1"= VERT. 1"= DATE MARCH 15, 2000	WASHINGTON COUNTY CONSERVANCY DISTRICT	WEBB HILL FISH BARRIER	FISH BARRIER DETAILS

2001-057 PROJECT NO.
SHEET 5 OF 6 SHEETS



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WASHINGTON COUNTY CONSERVANCY DISTRICT

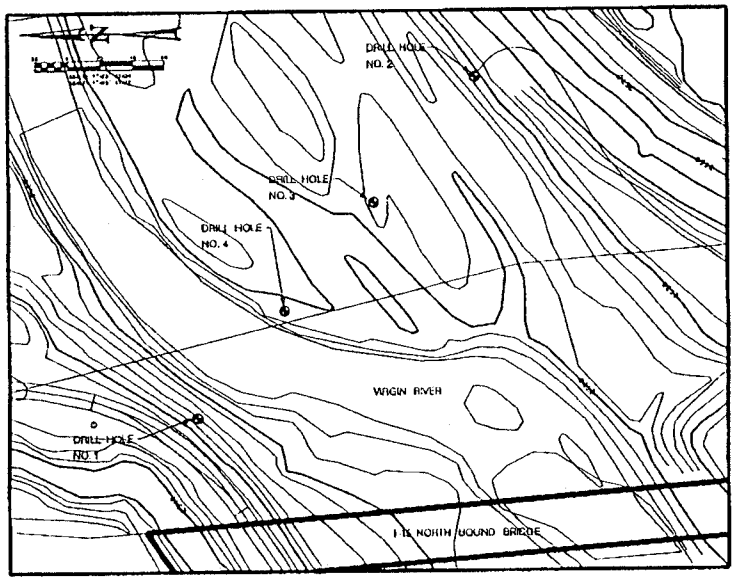
WEBB HILL FISH BARRIER

SITE PLAN EXCAVATION

SHEET 2 OF 6

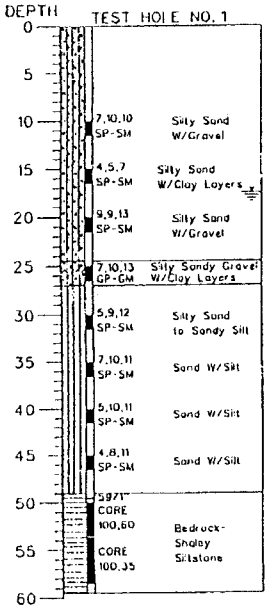
11/07/2000 08:40 FAX 801 374 5775 RB&G ENGINEERING

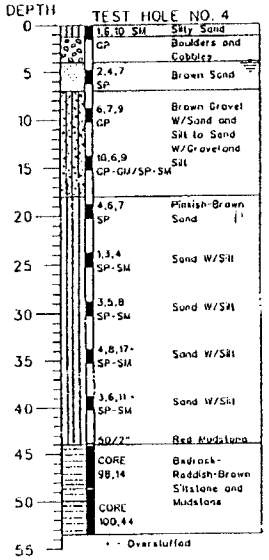
Fig. 7 of 7

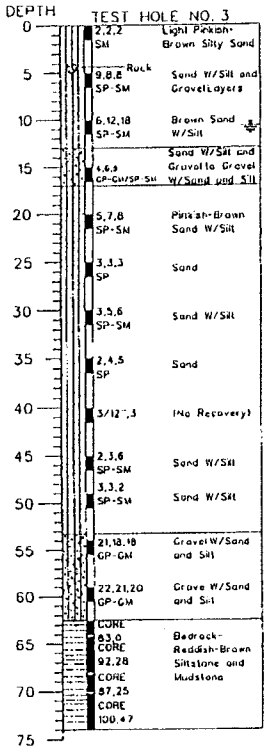


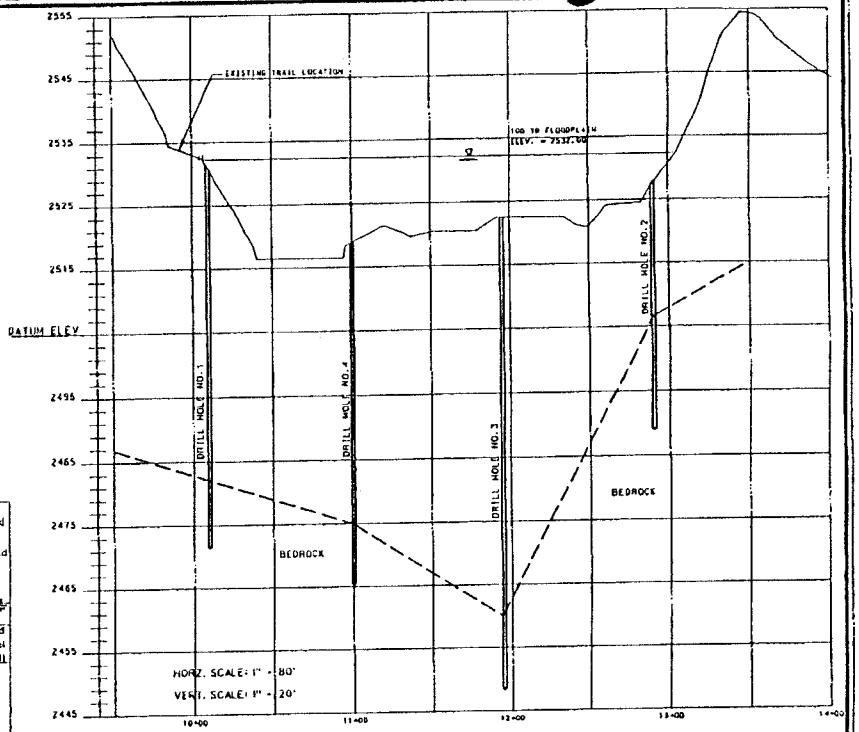
SITE PLAN

NOTE:
DRILL HOLES LOCATED ~800 FT. UPSTREAM FROM FISH BARRIER LOCATION.

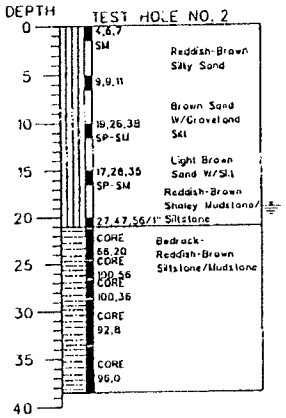


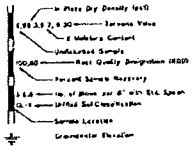






PROFILE





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WEBB HILL FISH BARRIER

DRILL HOLE SITE PLAN LOCATION, PROFILE AND LOGS

SHEET 6