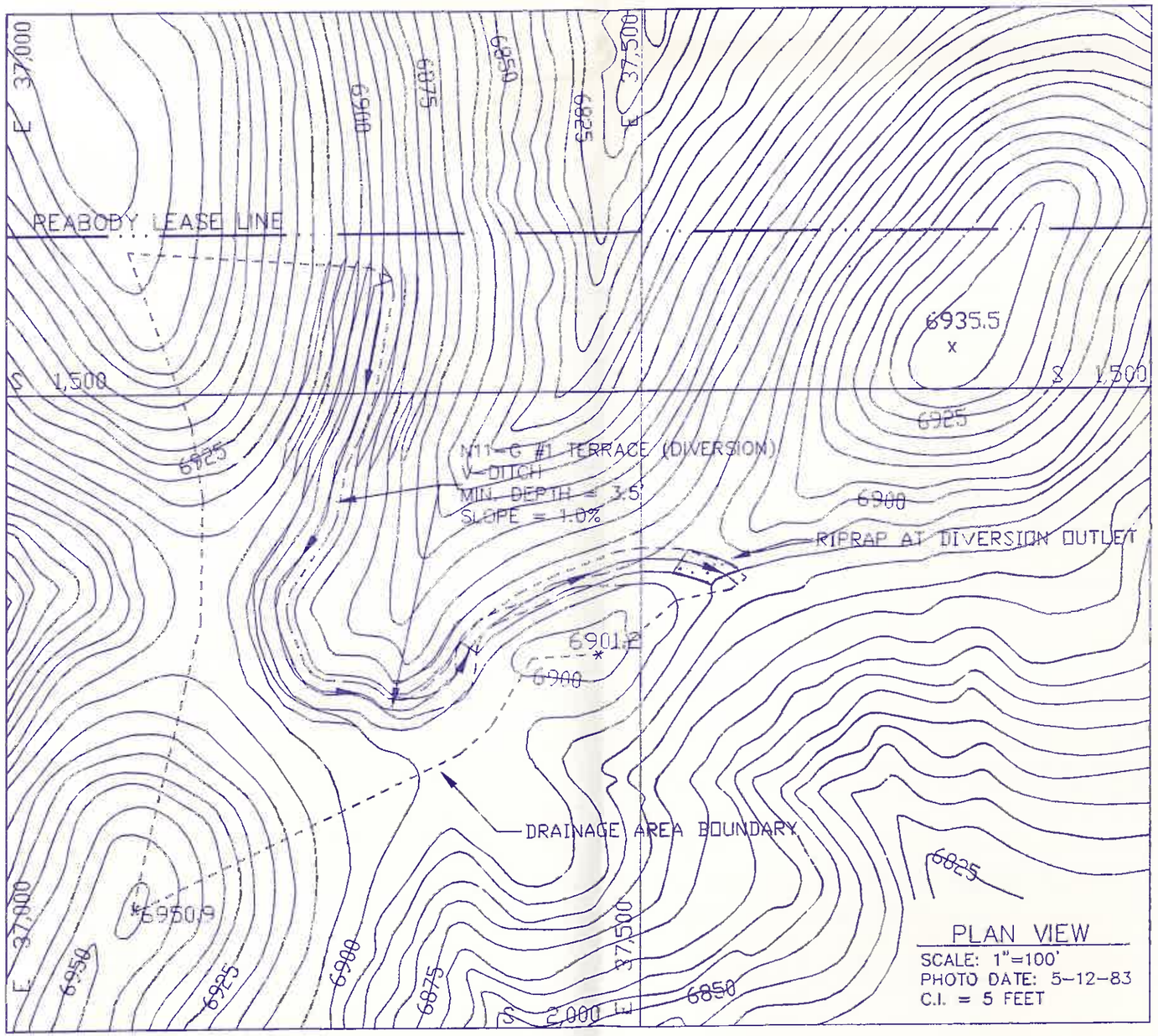


N11-G #1 TERRACE (TEMPORARY DIVERSION)
PLAN VIEW

NOTE: 1. Diversion construction typical cross section and construction specifications see Chapter 26, Black Mesa PAP.

2. See Drawing 85400, Sheet L-7 for location.

3. See N11-G Sedimentation Structure, N11-G, Design Report for diversion design calculations

ER'S CERTIFICATION

JAMES G. SCHLENVOGT
Senior Engineer
Peabody Company

ARIZONA P.E. 18782

Date: SEP 08 1993

EXHIBIT 1

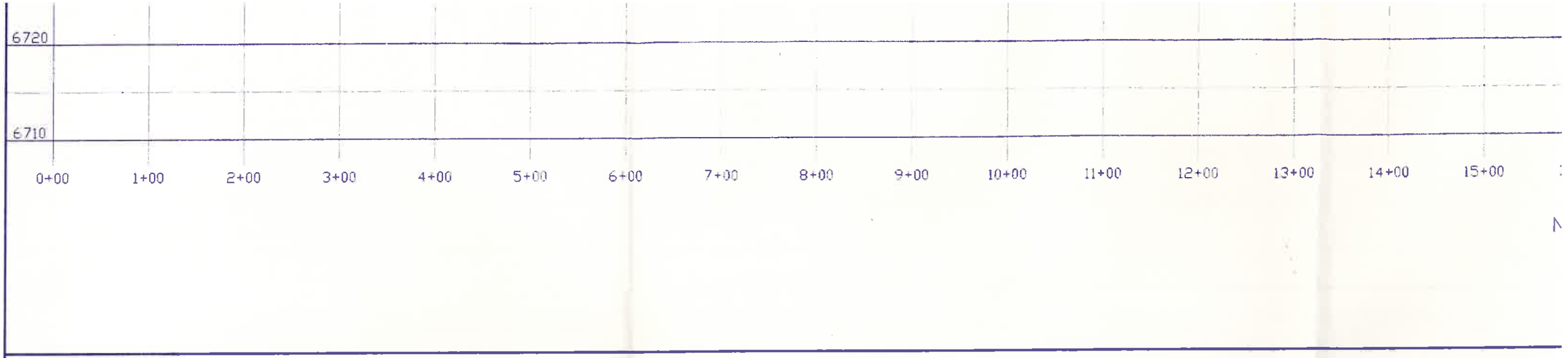
N11-G, N11-G1, N11-G2, & N11-G3
CROSS-SECTION OF N11G PONDS

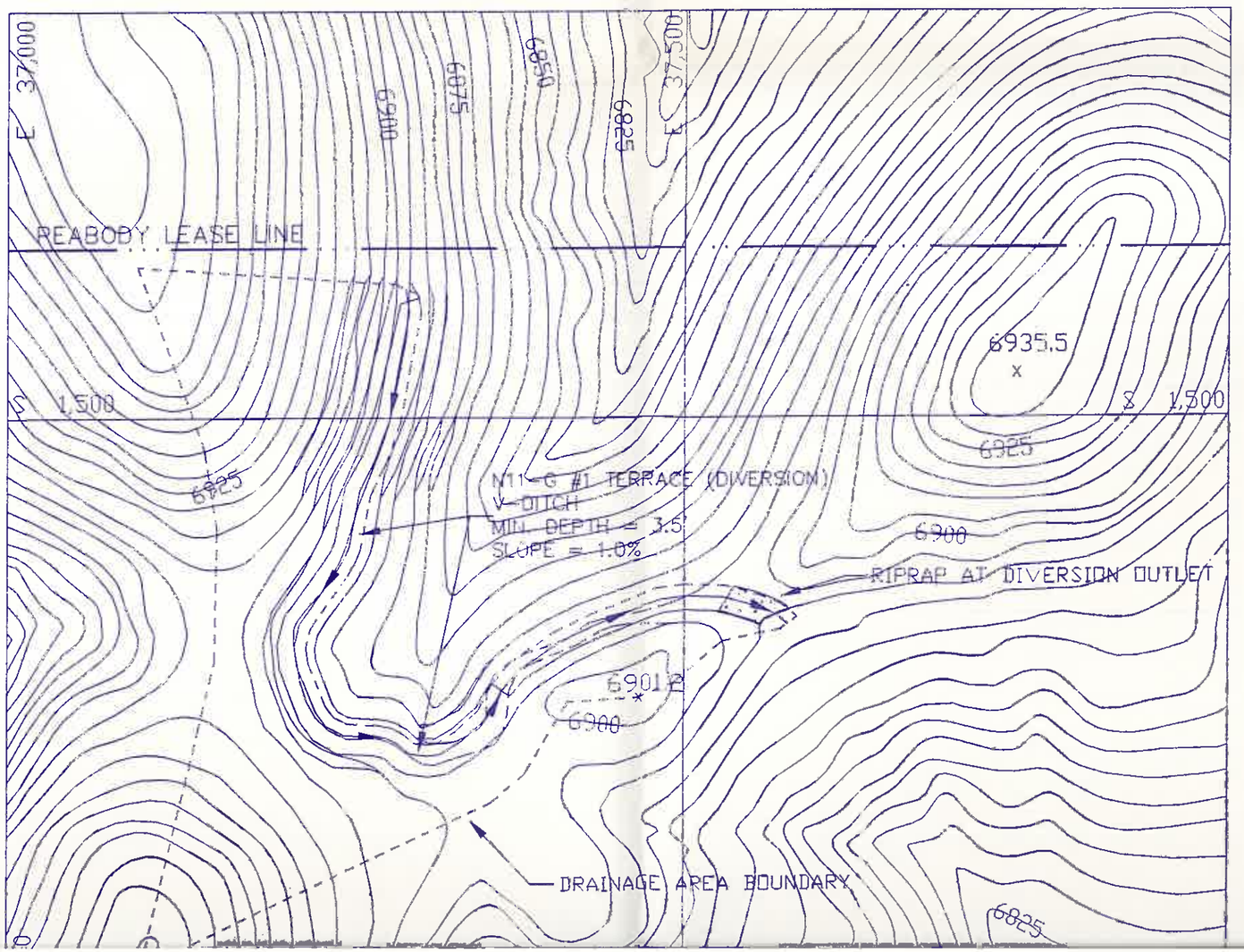
SHEET 3 OF 3

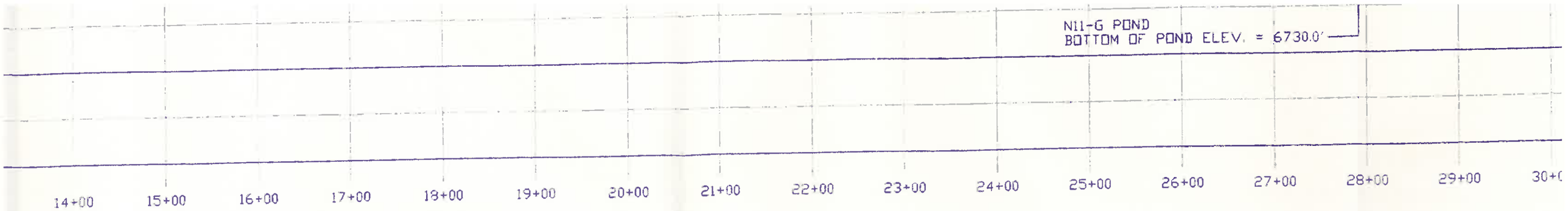
KAYENTA MINE

PEABODY WESTERN 1300 S. YALE FLAGSTAFF, AZ 86001

DESIGNED BY: J.G.S.	SCALE: AS SHOWN
DRAWN BY: P.W.C.C.	DRAWING DATE: 8-20-93
CHECKED BY: J.G.S.	PHOTO DATE: 5-12-83
CONTOUR INTERVAL: NONE	


6720
6710
0+00
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00
12+00
13+00
14+00
15+00


E 37,000
6900
6875
6850
6825
E 37,500
PEABODY LEASE LINE
S 1,500
6935.5
S 1,500
6925
6825
N11-G #1 TERRACE (DIVERSION)
V-DITCH
MIN. DEPTH = 3.5
SLOPE = 1.0%
6900
RIPRAP AT DIVERSION OUTLET
6901.2
6900
DRAINAGE AREA BOUNDARY
6825
N

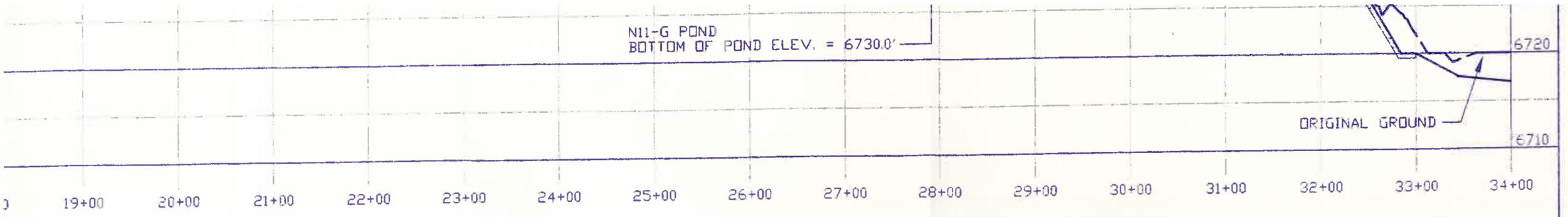


N11G SERIES POND PROFILES

SECTION A - A'

SCALE: HORIZ. 1"=100'

VERT. 1"=10'



PROFILES

A'

'=100'

=10'

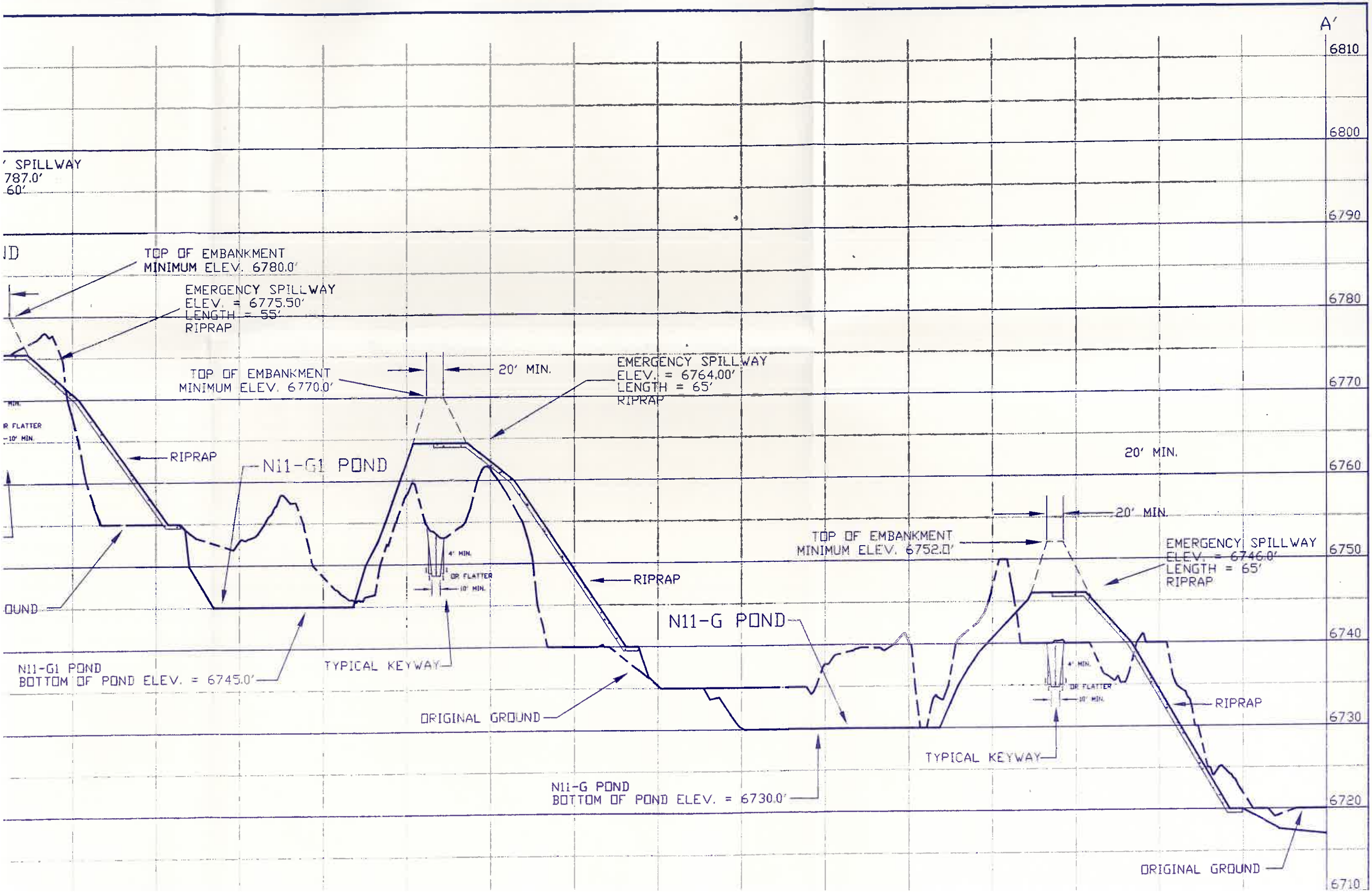
ER'S CERTIFICATION

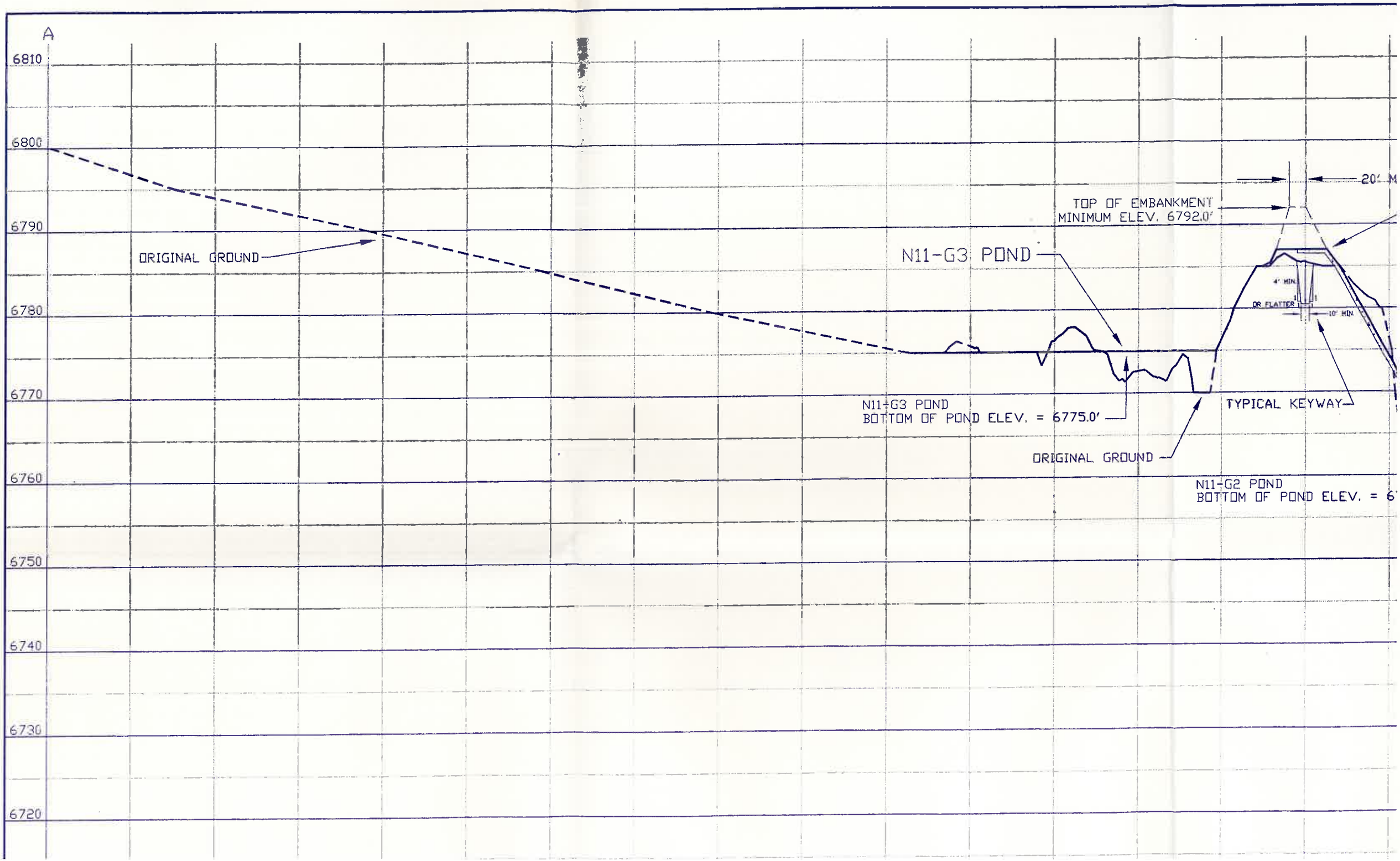
Registered Professional Engineer (Civil)
CERTIFICATE NO. 18782
JAMES GARY SCHLENVOGT
Date Signed
ARIZONA, U.S.A.

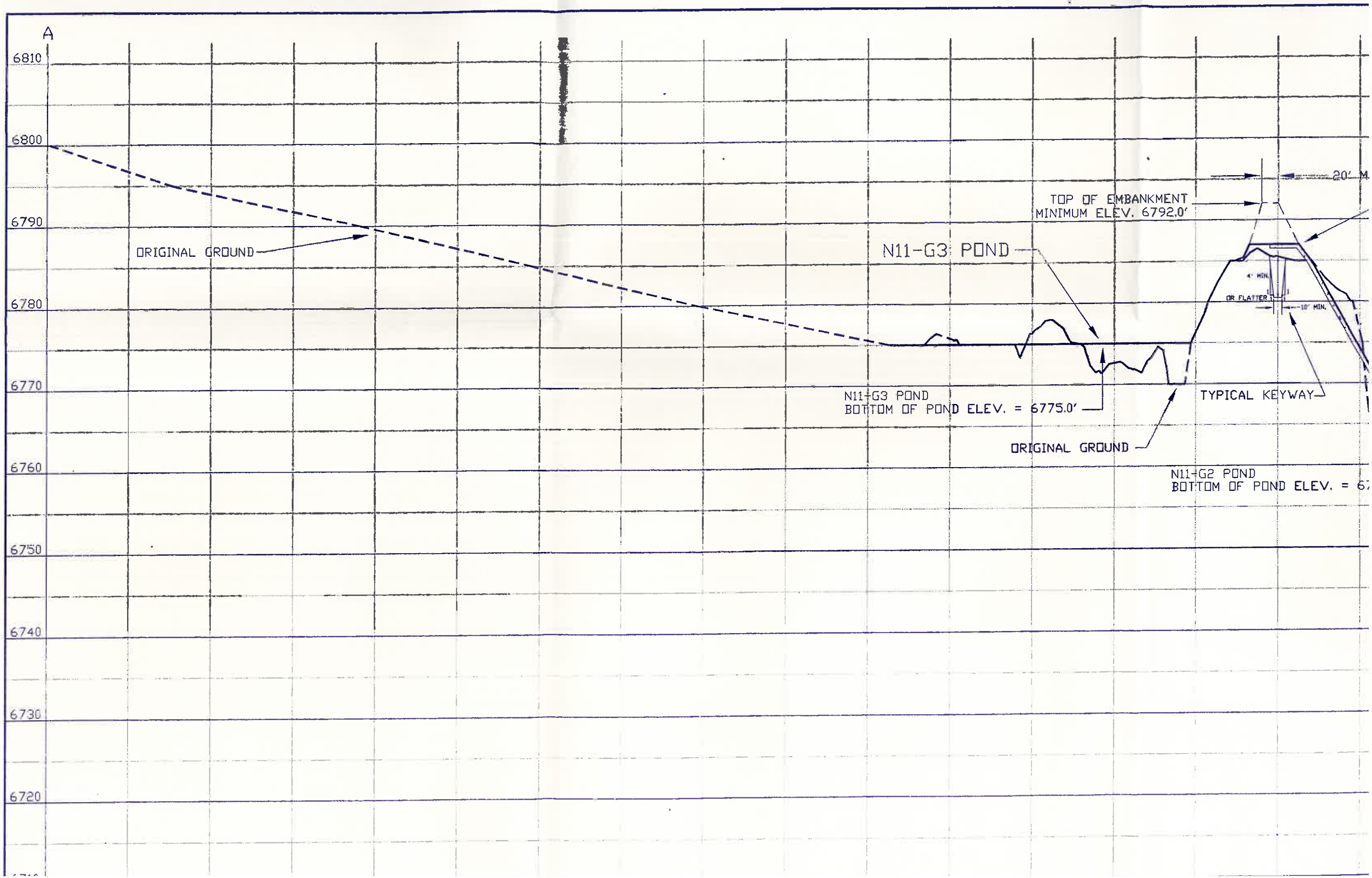
JAMES G. SCHLENVOGT
Senior Engineer
Peab company

ARIZONA P.E. 18782

Date: SEP 0 8 1993


A'
6810
6800
6790
6780
6770
6760
6750
6740
6730
6720
6710
' SPILLWAY
787.0'
60'
ID
TOP OF EMBANKMENT
MINIMUM ELEV. 6780.0'
EMERGENCY SPILLWAY
ELEV. = 6775.50'
LENGTH = 55'
RIPRAP
TOP OF EMBANKMENT
MINIMUM ELEV. 6770.0'
20' MIN.
EMERGENCY SPILLWAY
ELEV. = 6764.00'
LENGTH = 65'
RIPRAP
MIN.
R FLATTER
-10' MIN.
RIPRAP
N11-G1 POND
20' MIN.
20' MIN.
TOP OF EMBANKMENT
MINIMUM ELEV. 6752.0'
EMERGENCY SPILLWAY
ELEV. = 6746.0'
LENGTH = 65'
RIPRAP
4' MIN.
OR FLATTER
10' MIN.
RIPRAP
OUND
N11-G POND
N11-G1 POND
BOTTOM OF POND ELEV. = 6745.0'
TYPICAL KEYWAY
ORIGINAL GROUND
4' MIN.
OR FLATTER
10' MIN.
RIPRAP
TYPICAL KEYWAY
N11-G POND
BOTTOM OF POND ELEV. = 6730.0'
ORIGINAL GROUND


A
6810
6800
6790
6780
6770
6760
6750
6740
6730
6720
ORIGINAL GROUND
N11-G3 POND
TOP OF EMBANKMENT
MINIMUM ELEV. 6792.0'
20' M
4' MIN.
OR FLATTER
10' MIN.
N11-G3 POND
BOTTOM OF POND ELEV. = 6775.0'
TYPICAL KEYWAY
ORIGINAL GROUND
N11-G2 POND
BOTTOM OF POND ELEV. = 6


A
6810
6800
6790
6780
6770
6760
6750
6740
6730
6720
ORIGINAL GROUND
N11-G3 POND
TOP OF EMBANKMENT
MINIMUM ELEV. 6792.0'
20' M
4' MIN.
OR FLATTER
10' MIN.
N11-G3 POND
BOTTOM OF POND ELEV. = 6775.0'
TYPICAL KEYWAY
ORIGINAL GROUND
N11-G2 POND
BOTTOM OF POND ELEV. = 6