

# JORDAN Consulting Engineers, Inc.

May 9, 2003

Joe London  
Western Plains Resources  
P.O. Box 457  
Frisco, Texas 75034

RE: REVISED STRUCTURAL RETAINING WALL

~~Hillside~~ Shores, phase III, Rockwall, Texas  
*Hillcrest*

*file*

Gentlemen:

Per the request of Joe London of Western Plains Resources, I have made additional analysis of the structural walls at the above captioned project. The structural wall plans by this office dated April 15, 2003 were recently approved for construction. The purpose was to identify areas where the structural retaining wall can be replaced with gravity walls. The scope of work included a site visit with Joe London, review of the existing design, and new analysis. A revised retaining wall plan is attached herewith.

Based on the results of the new analysis, I believe that a gravity wall, with retained height of 4.0 to 8.0 feet, can replace the proposed pier supported wall at plan station 2+81 to 3+52 (corner between lots 4 and 5). In addition, gravity walls 1.0 to 3.0 feet tall can replace pier supported walls at station 0+00 to 0+10 (east end of lot 3) and at station 7+05 to 7+41 (west end of lot 7). These walls can be built using the existing gravity wall details previously submitted for this project.

As discussed, where the wall back fill zone will intrude under the pads, the back fill should be treated as Compacted Fill with 95 percent compaction required. The back fill should be tested and observed by the owner's testing lab.

I trust this letter provides you with the information you require at this time. Please call if you have questions or if I can be of further service.

Respectfully submitted,

*Gerald J. Jordan*

Attached: Retaining wall plan, profile, and details (2 sheets)  
Cc: Chuck Todd, P.E. / City of Rockwall



File Copy

# 2001-30

# JORDAN Consulting Engineers, Inc.

January 2, 2004

Joe London  
Western Plains Resources  
P.O. Box 457  
Frisco, Texas 75034

RE: REVISED PARK VIEW DRIVE RETAINING WALL SCHEDULE  
Hillside Shores, phase III, Rockwall, Texas

Gentlemen:

Per the request of Joe London, this letter provides a new retaining wall schedule for the retaining wall at the site referenced above. No surcharge is expected for the current wall location. Factors of Safety for sliding and overturning stability should be at least 2.0.

RETAINING WALL SCHEDULE*						
HEIGHT (FT)	1	2	3	4	5	6
BASE WIDTH (IN)	12	12	18	24	30	40
DEPTH (IN)	6	6	12	18	18	18

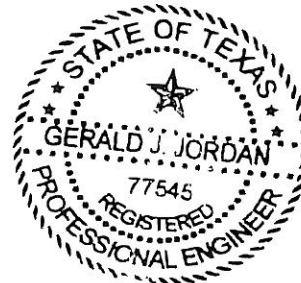
\* Maximum 1,500 psf bearing; 5:1 (H:V) toe slope; 4:1 top slope

I trust this letter provides you with the information you require at this time. Please call if you have questions or if I can be of further service.

Respectfully submitted,

  
Gerald J. Jordan, P.E.

Cc: Michael Dowdy / Dowdy-Anderson



2480 Highway 287 North, Suite 105  
Mansfield, Texas 76063

phone 817 453-8070  
fax 817 453-8071



**DOWDEY, ANDERSON & ASSOCIATES, INC.**  
CIVIL ENGINEERS

5225 Village Creek Drive, Suite 200  
Plano, Texas 75093  
Phone 972-931-0694 Fax 972-931-9538

**FAX**

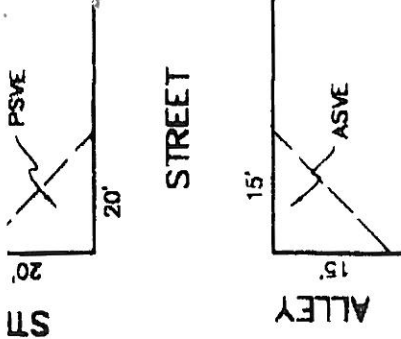
<b>To:</b> <b>Chuck Todd, P. E.</b>	<b>From:</b> Michael Dowdey
Director of Public Works/City Engineer	
<b>Co:</b> Rockwall, City of	<b>Date:</b> July 29, 2005 - <i>Desert 9/8/05</i>
<b>Fax:</b> (972) 771-7748	<b>Pages:</b> 10, including cover
<b>Phone:</b> (972) 771-7746	<b>CC:</b> File, Eddie Collins 972-380-4303
<b>Re:</b> <u>Hillcrest Shores Phase 3</u>	<b>Job #:</b> 01-042

Chuck,  
Please find two exhibits showing a proposed solution to the creek slope failure in Hillcrest Shores. On the first 3 pages is Gerald Jordan's design for the "slumped" area behind Lot 5, Block B. The following pages are the Gabion structure layout and sections for the drainage area called Lot 3, Block X.

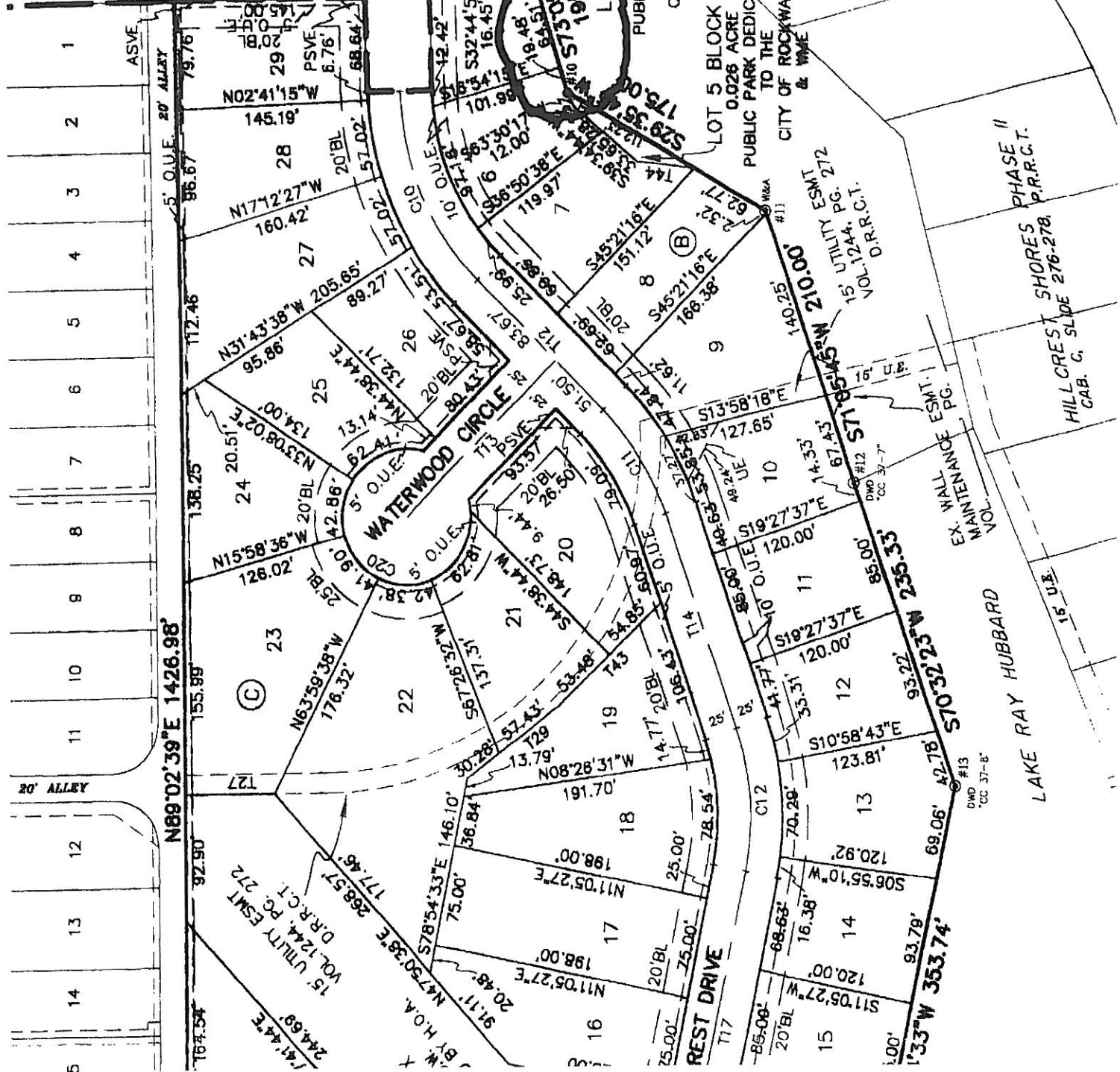
Please contact Eddie Collins or myself if you have questions or comments. They developer is receiving bids in the next day or two and could commence work shortly upon your blessing.

Thank you,

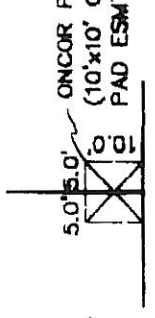
Michael S. Dowdey



**MATCHLINE**  
SEE PAGE 1 OF 3



**TYPICAL ONCOR EASEMENT**



**STATE PLANE COORDINATES**  
NAD 83 (NARR) - TEXAS NORTH CENTRAL ZONE

MONUMENT	NORTHING	EASTING
#1	7,081,789.555	2
#2	7,081,789.546	2
#3	7,081,535.090	2
#4	7,081,784.493	2
#5	7,081,982.488	2
#6	7,081,980.092	2
#7	7,081,972.464	2
#8	7,081,955.509	2
#9	7,081,972.483	2
#10	7,081,955.511	2
#11	7,081,955.513	2
#12	7,081,955.513	2
#13	7,081,955.513	2
#14	7,081,955.513	2
#15	7,081,955.513	2

HILL CREST SHORES PHASE II  
CAB. C. SLIDE 276-278  
P.R.R.C.T.

LAKE RAY HUBBARD

EX. WALKWAY ESMT. 11  
MANANNANCE PG.

15' UTILITY ESMT  
VOL. 12-44, P. 272

LOT 5 BLOCK X  
0.028 ACRE  
PUBLIC PARK DEDICATION  
CITY OF ROCKWALL

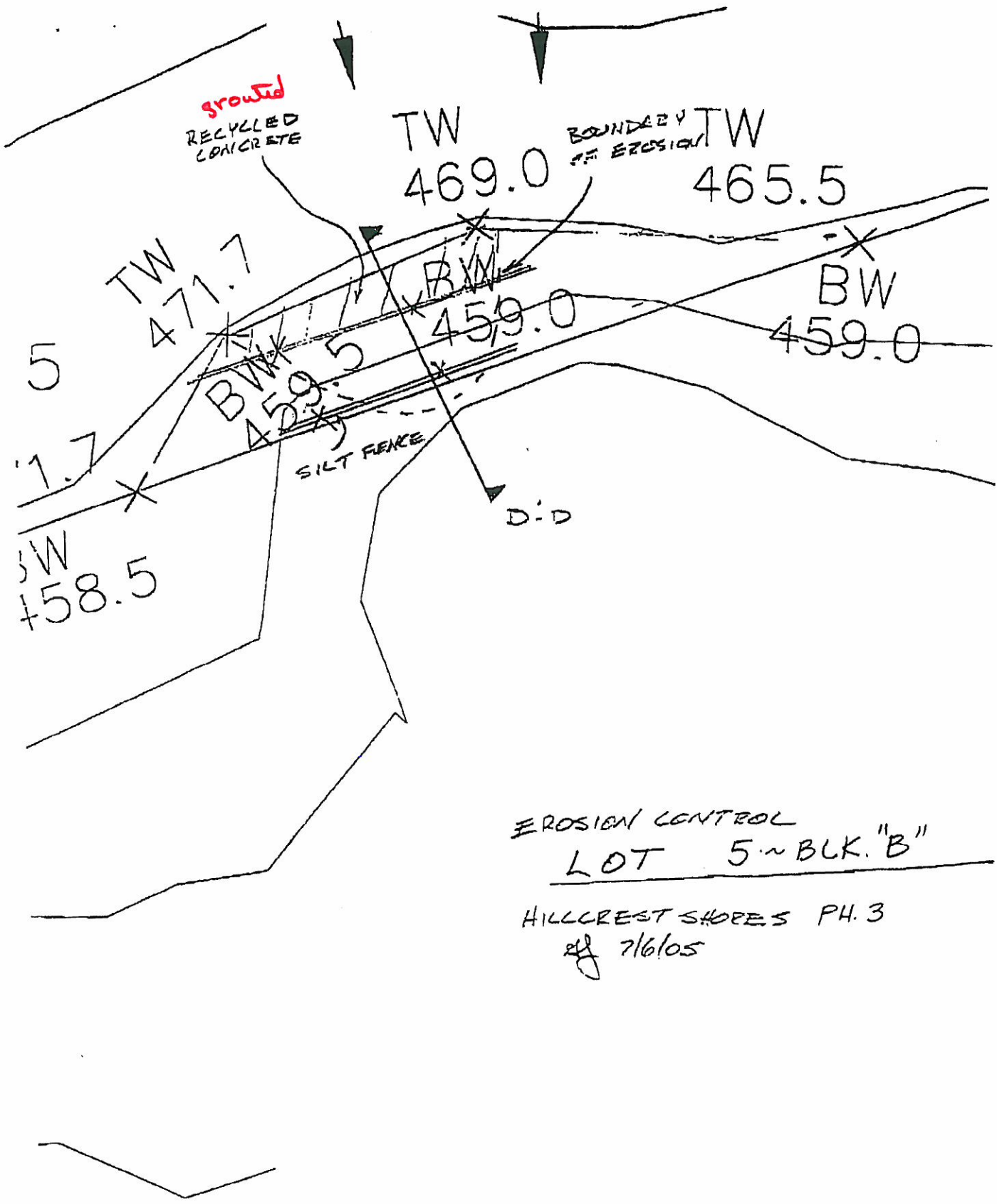
LOT 4 BLOCK X  
0.019 ACRE  
PUBLIC PARK DEDICATION  
CITY OF ROCKWALL

FILED FOR  
ROCKWALL  
MAR 24 AM 11:11  
COUNTY CLERK

**WORK AREA**

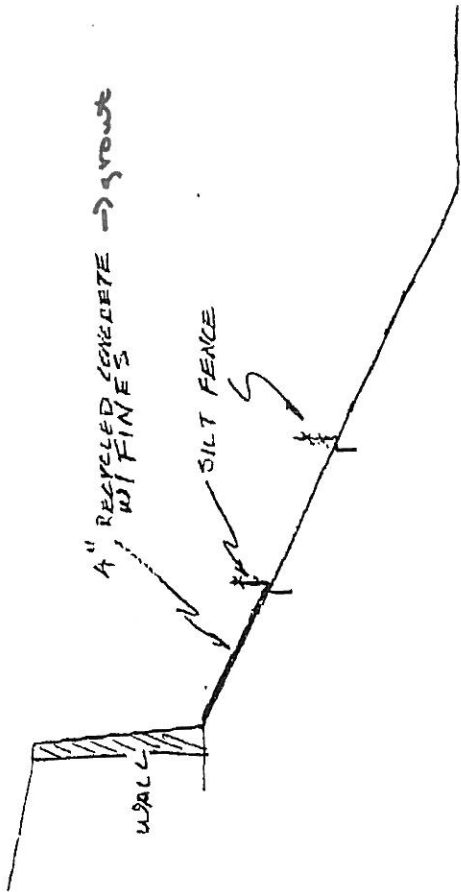
**MATCHLINE**  
SEE PAGE 1 OF 3





EROSION CONTROL  
LOT 5 ~ BLK. "B"

HILLCREST SHORES PH. 3  
 7/6/05



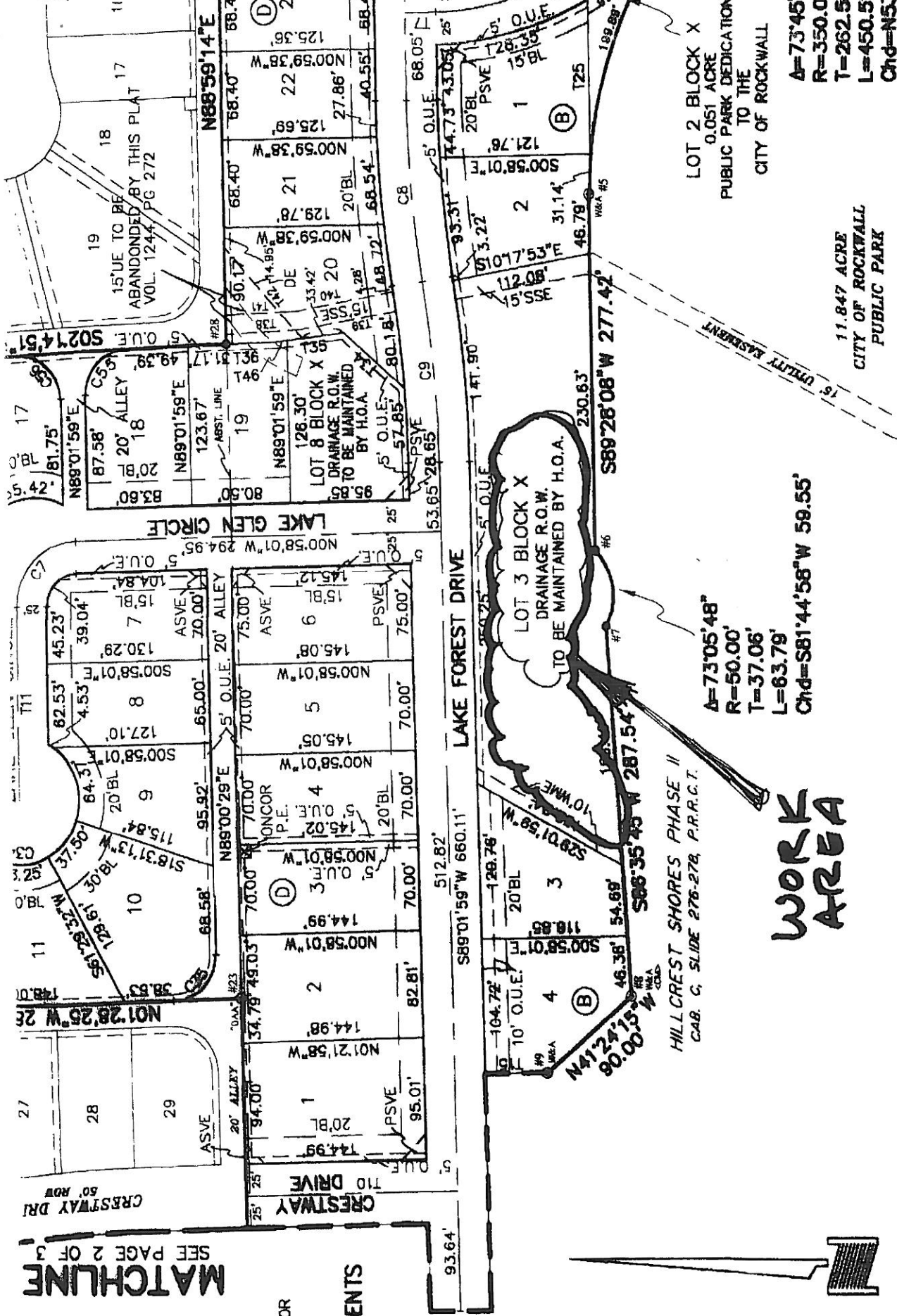
SECTION B-D

1" = 3'

EROSION CONTROL

LOT 5

HILLCREST SHORES PH. 3  
BY 7/6/05



NOTES:

1. BASIS OF BEARING DERIVED FROM THE FINAL PLAT OF CRESTVIEW PHASE 3, RECORDED IN CABINET D, SLIDES 171, 172, PLAT RECORDS, ROCKWALL COUNTY, TEXAS.
2. ALL LOT CORNERS ARE MONUMENTED WITH A 1 1/2"

GRAPHIC SCALE



( IN FEET )

1 1/2 - 100 4

**WORK AREA**

A=73°05'48"  
 R=50.00'  
 T=37.06'  
 L=63.79'  
 Chd=S81°44'58"W 59.55'

LOT 2 BLOCK X  
 0.051 ACRE  
 PUBLIC PARK DEDICATION  
 TO THE  
 CITY OF ROCKWALL  
 A=73°45'  
 R=350.00'  
 T=262.56'  
 L=450.51'  
 Chd=N53

11.847 ACRE  
 CITY OF ROCKWALL  
 PUBLIC PARK

HILLCREST SHORES PHASE II  
 CAB. C, SLIDE 276-278, P.R.R.C.T.

HILLCREST S  
 CAB. C, SL

MATCHLINE SEE PAGE 2 OF 3

BY ESMT.

COR P.E.  
 x10' ONCOR  
 ESMT.)

EASEMENTS

CRESTWAY DRIVE 50' ROW

CRESTWAY DRIVE

LAKE FOREST DRIVE

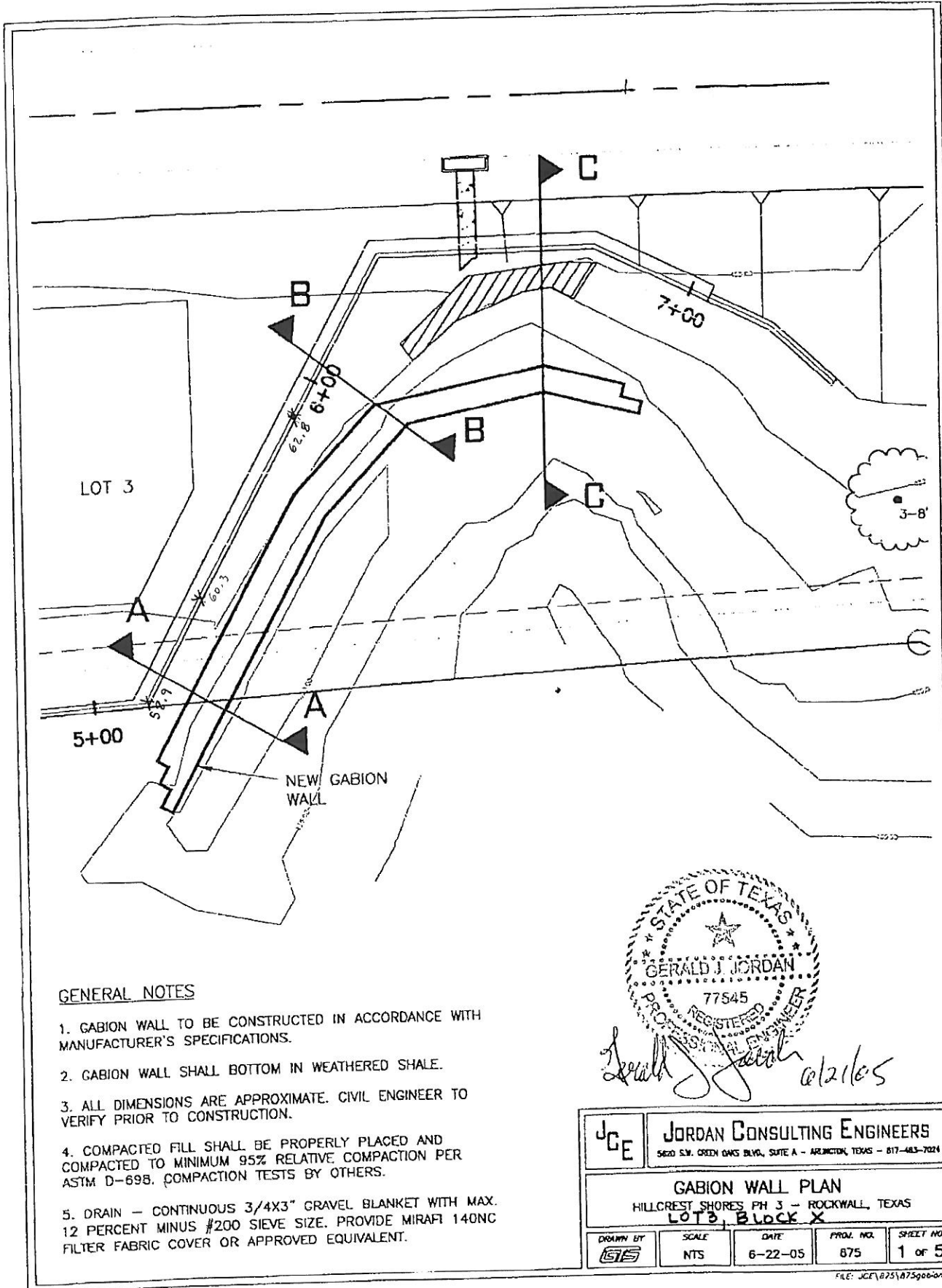
LAKE GLEN CIRCLE

15' UTILITY EASEMENT

15' UE TO BE  
 ABANDONED BY THIS PLAT  
 VOL. 1244 PG 272

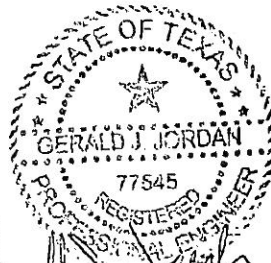
LOT 3 BLOCK X  
 DRAINAGE R.O.W.  
 TO BE MAINTAINED BY H.O.A.

LOT 8 BLOCK X  
 DRAINAGE R.O.W.  
 TO BE MAINTAINED  
 BY H.O.A.



GENERAL NOTES

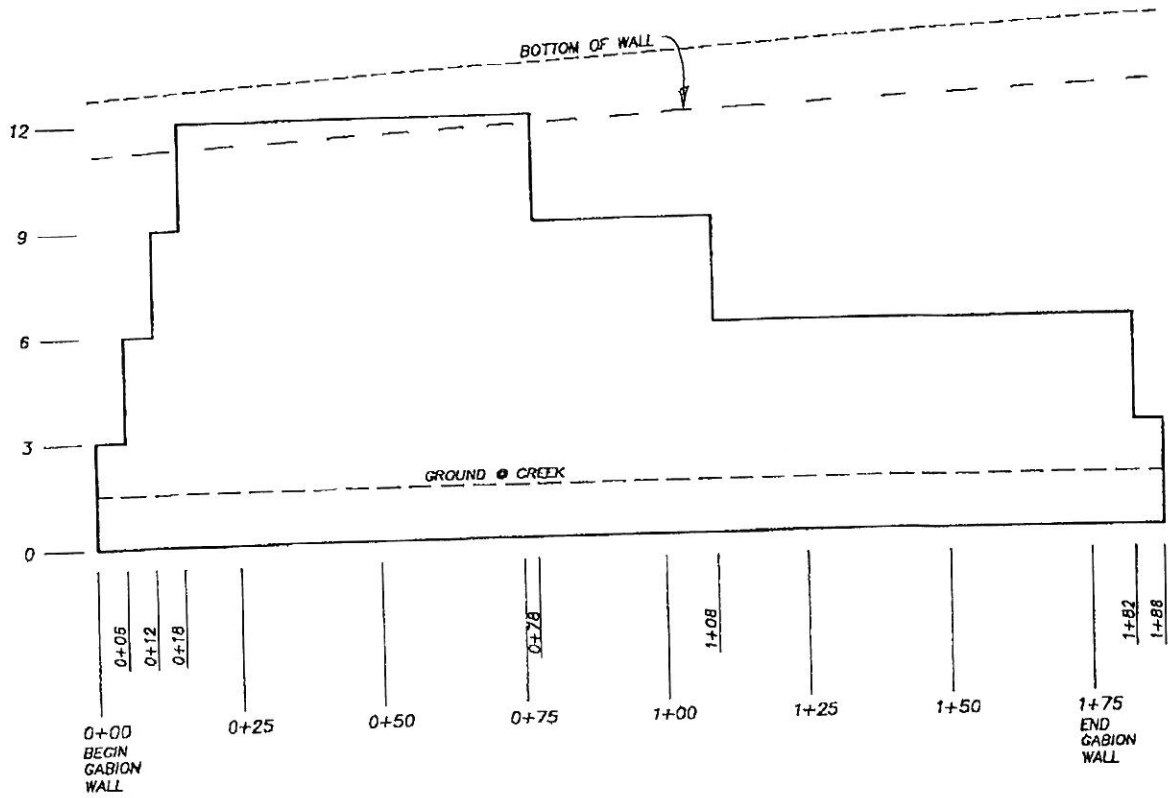
1. GABION WALL TO BE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. GABION WALL SHALL BOTTOM IN WEATHERED SHALE.
3. ALL DIMENSIONS ARE APPROXIMATE. CIVIL ENGINEER TO VERIFY PRIOR TO CONSTRUCTION.
4. COMPACTED FILL SHALL BE PROPERLY PLACED AND COMPACTED TO MINIMUM 95% RELATIVE COMPACTION PER ASTM D-698. COMPACTION TESTS BY OTHERS.
5. DRAIN - CONTINUOUS 3/4X3" GRAVEL BLANKET WITH MAX. 12 PERCENT MINUS #200 SIEVE SIZE. PROVIDE MIRAFI 140NC FILTER FABRIC COVER OR APPROVED EQUIVALENT.



*Gerald Jordan* 6/21/05

	<b>JORDAN CONSULTING ENGINEERS</b> <small>5620 S.W. GREEN OAKS BLVD., SUITE A - ARLINGTON, TEXAS - 817-483-7024</small>			
	<b>GABION WALL PLAN</b> HILLCREST SHORES PH 3 - ROCKWALL, TEXAS <b>LOT 3, BLOCK X</b>			
DRAWN BY 	SCALE NTS	DATE 6-22-05	PROJ. NO. 875	SHEET NO. 1 of 5



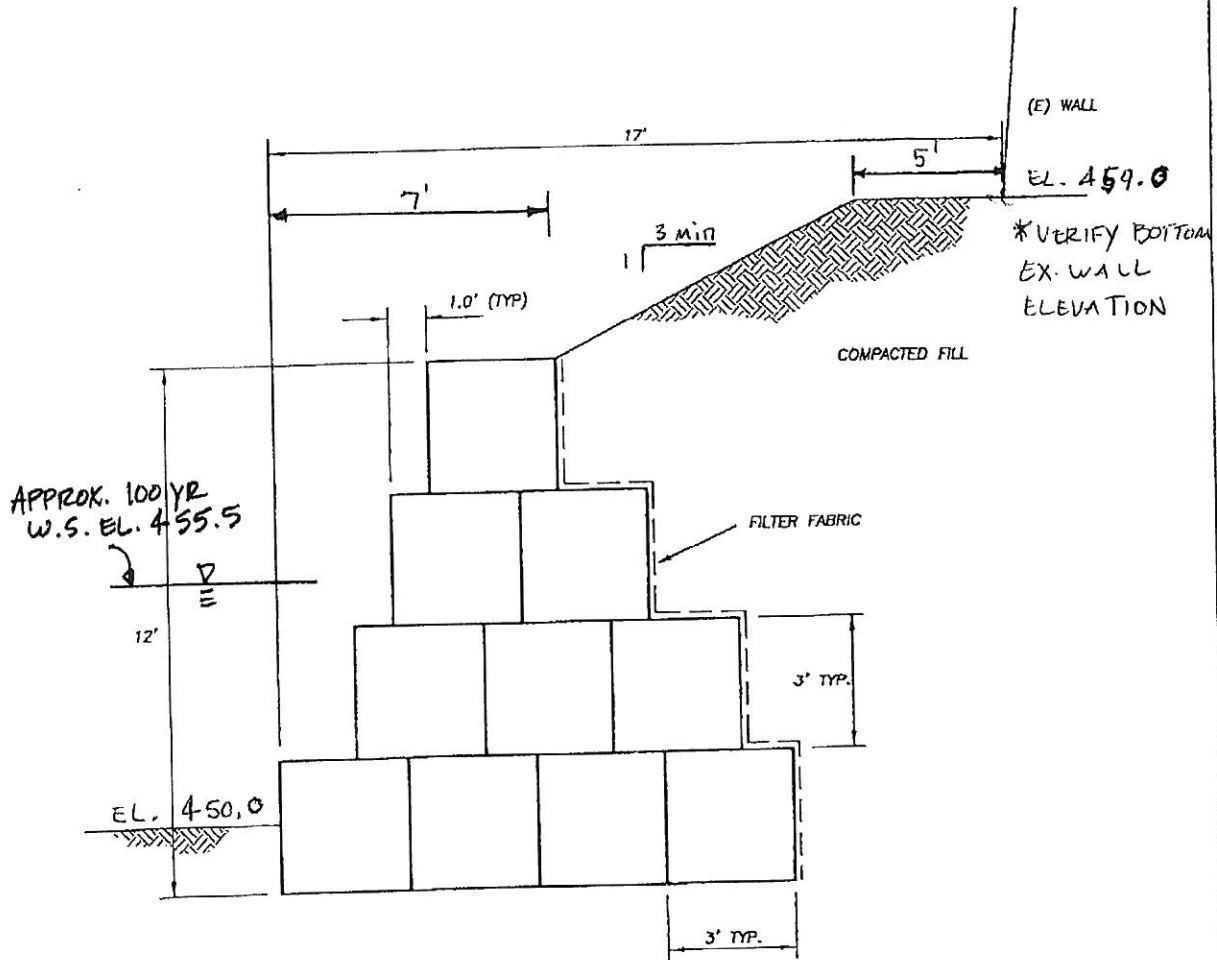


PROFILE

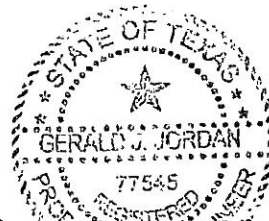


*Gerald J. Jordan*  
6/21/05

JCE	<b>JORDAN CONSULTING ENGINEERS</b>			
	5620 S.W. GREEN OAKS BLVD., SUITE A - ARLINGTON, TEXAS - 817-463-7024			
<b>GABION WALL PLAN</b>				
HILLCREST SHORES PH 3 - ROCKWALL, TEXAS				
<b>LOT 3, BLOCK X</b>				
DRAWN BY <i>GS</i>	SCALE 1" = 5' VERT 1" = 30' HORZ	DATE 6-22-05	PROJ. NO. 875	SHEET NO. 2 OF 5

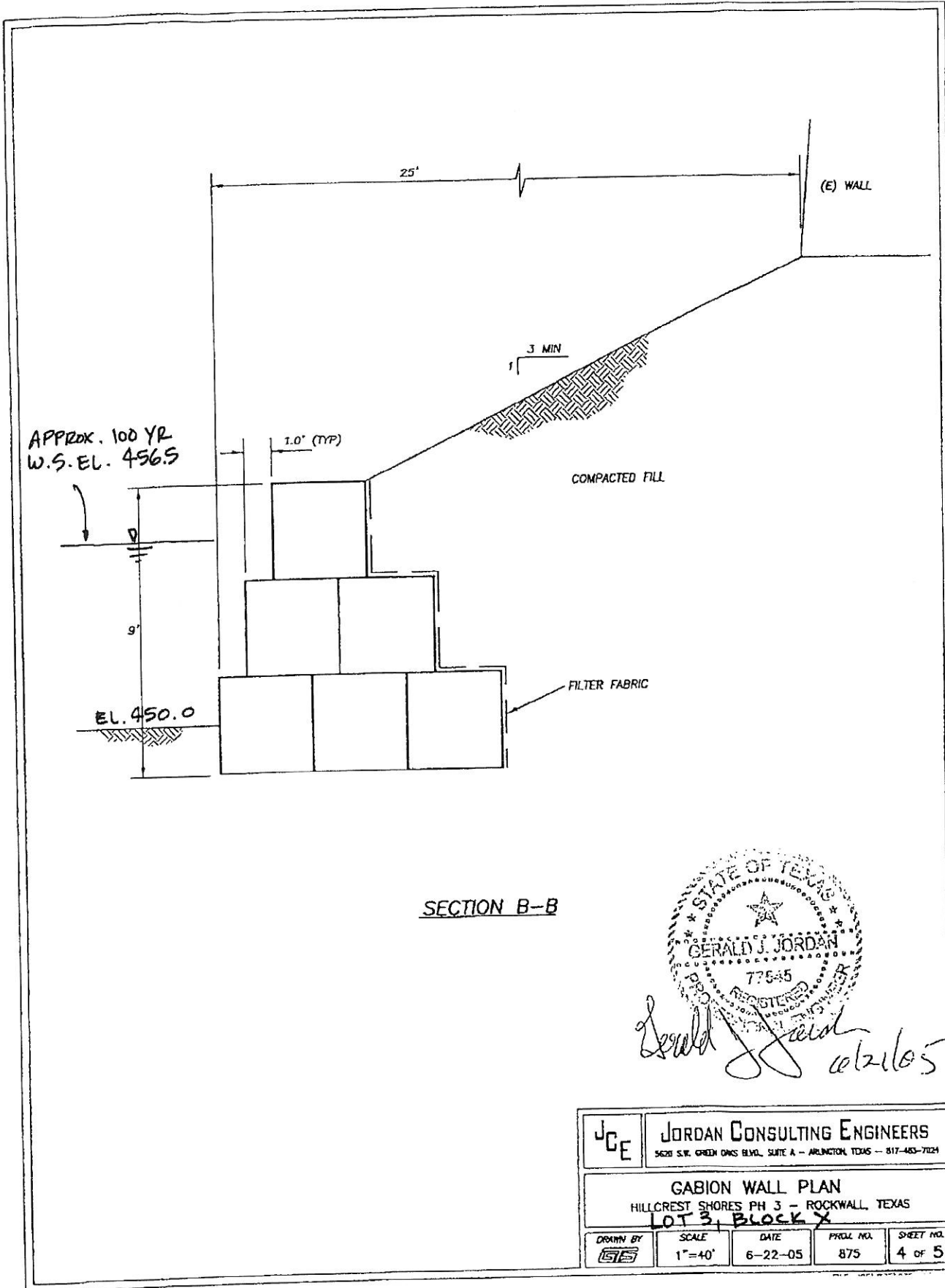


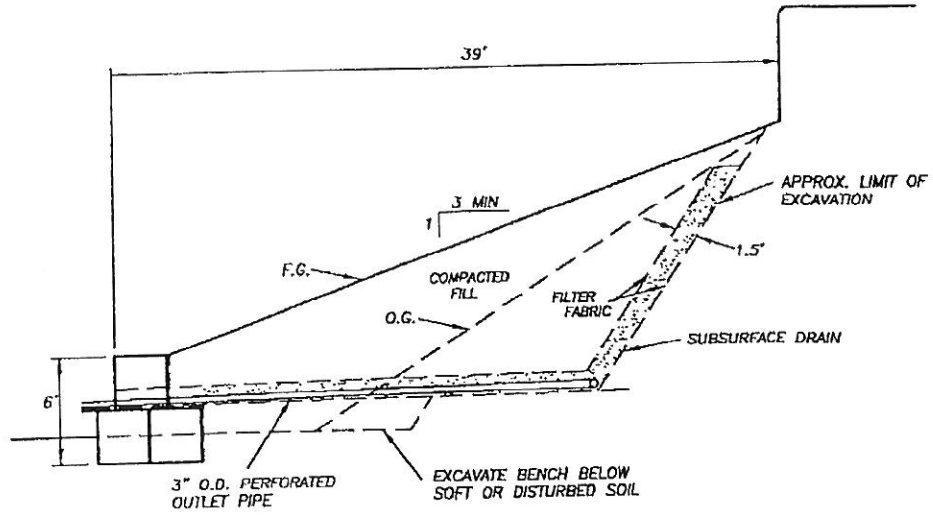
SECTION A-A



*Gerald J. Jordan*  
 @12/6/05

		<b>JORDAN CONSULTING ENGINEERS</b> <small>5620 S.W. GREEN OAKS BLVD., SUITE A - ARLINGTON, TEXAS - 817-453-7024</small>		
<b>GABION WALL PLAN</b> <small>HILLCREST SHORES PH 3 - ROCKWALL, TEXAS</small> <b>LOT 3, BLOCK X</b>				
<small>DRAWN BY</small> 	<small>SCALE</small> 1"=40'	<small>DATE</small> 6-22-05	<small>PROJ. NO.</small> 875	<small>SHEET NO.</small> 3 of 5





SECTION C-C



*Gerald J. Jordan*

	<b>JORDAN CONSULTING ENGINEERS</b> <small>5620 S.W. GREEN OAKS BLVD., SUITE A - ARLINGTON, TEXAS - 817-483-7024</small>			
	<b>GABION WALL PLAN</b> <small>HILLCREST SHORES PH 3 - ROCKWALL, TEXAS</small> <b>LOT 3, BLOCK X</b>			
<small>DRAWN BY</small> 	<small>SCALE</small> 1"=10'	<small>DATE</small> 6-22-05	<small>PROJ. NO.</small> 875	<small>SHEET NO.</small> 5 OF 5