

Cherne, Curtis

From: David Soule [david@riograndeengineering.com]

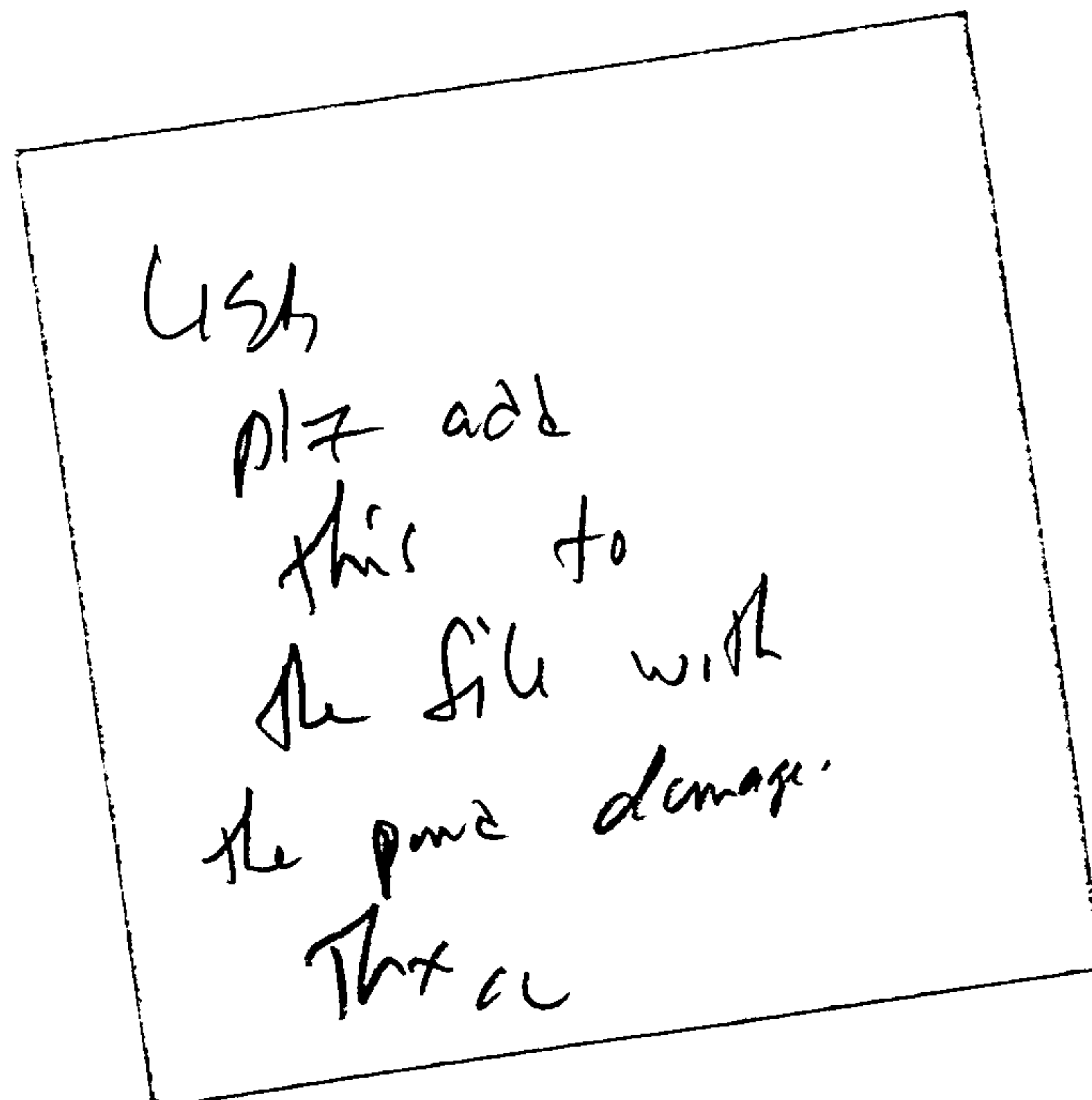
Sent: Saturday, August 24, 2013 9:08 AM

To: 'Don R. Briggs'; Cherne, Curtis

Subject: SALIDA DE LA LUNA SUBDIVISION

I appreciate the response from both of you. I provided my assesment and recommendations to the owners. Based upon where I feel this is heading, I withdrew my proposal from consideration by the land owners. I recommended several firms to the owners, and hopefully this gets resolved quickly because the existing conditions appear dangerous.

David Soule



8/26/2013



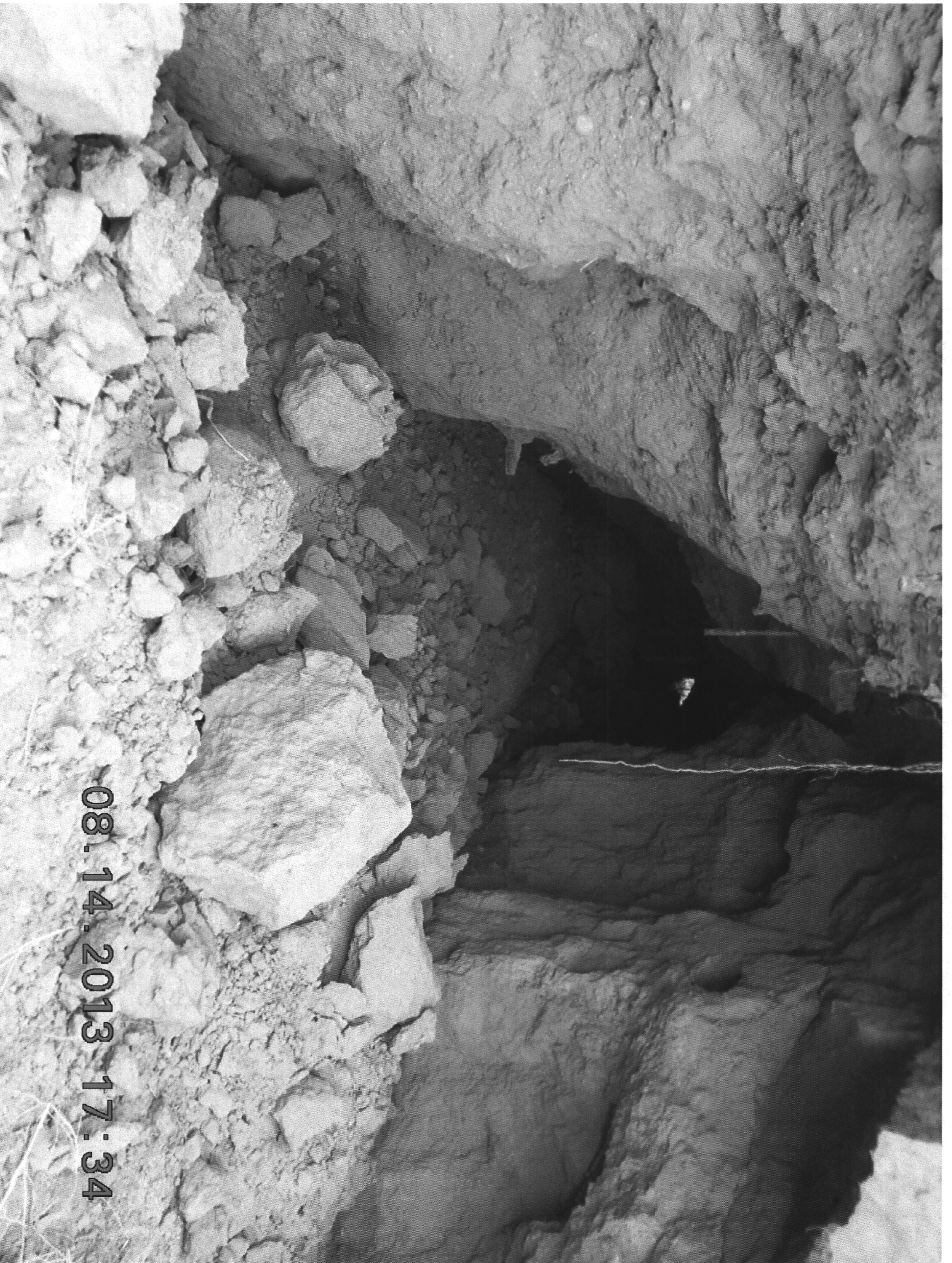
08.14.2013 17:29



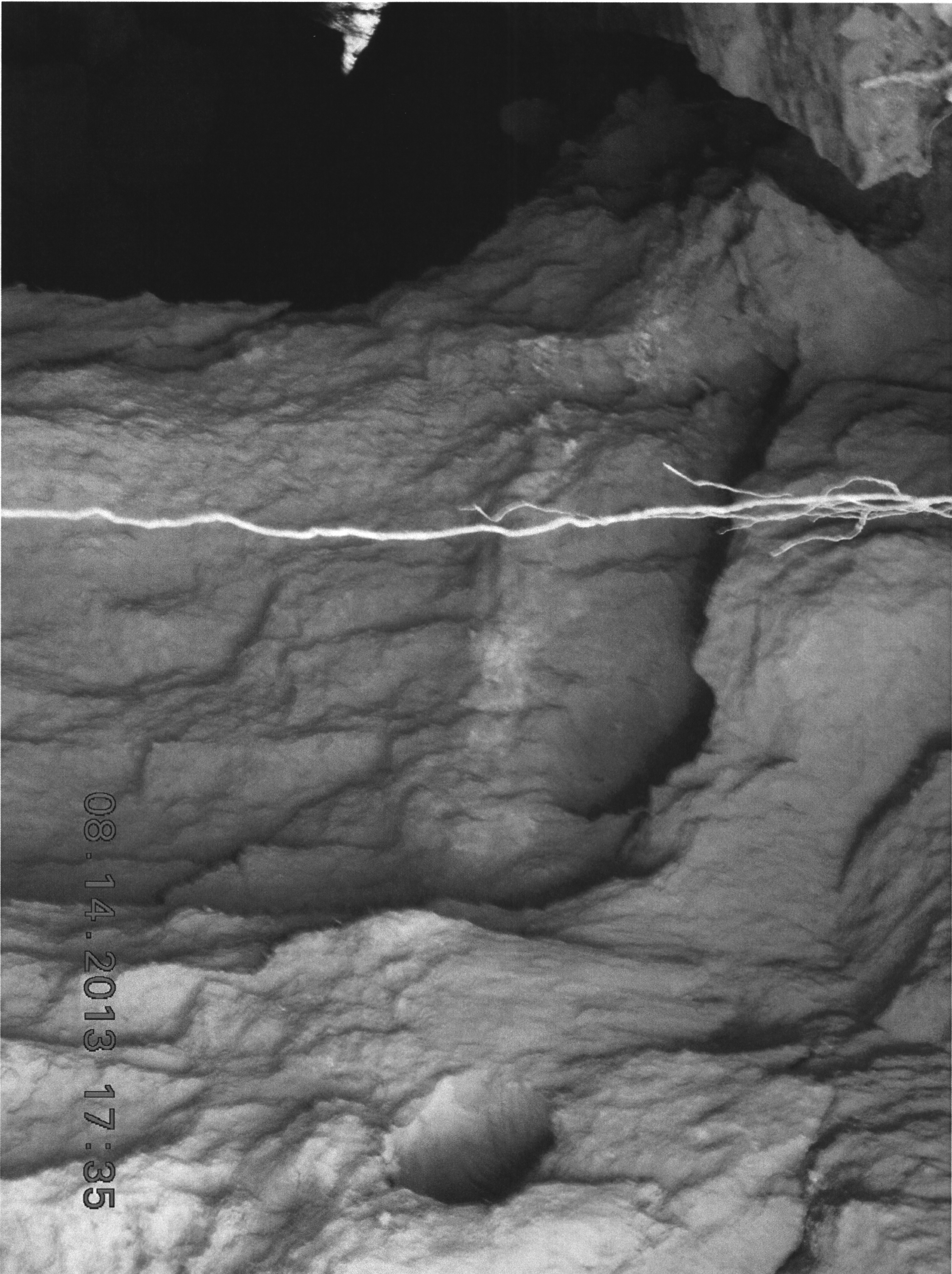
08-14-2013 17:31



08.14.2013 17:31



08.14.2013 17:34



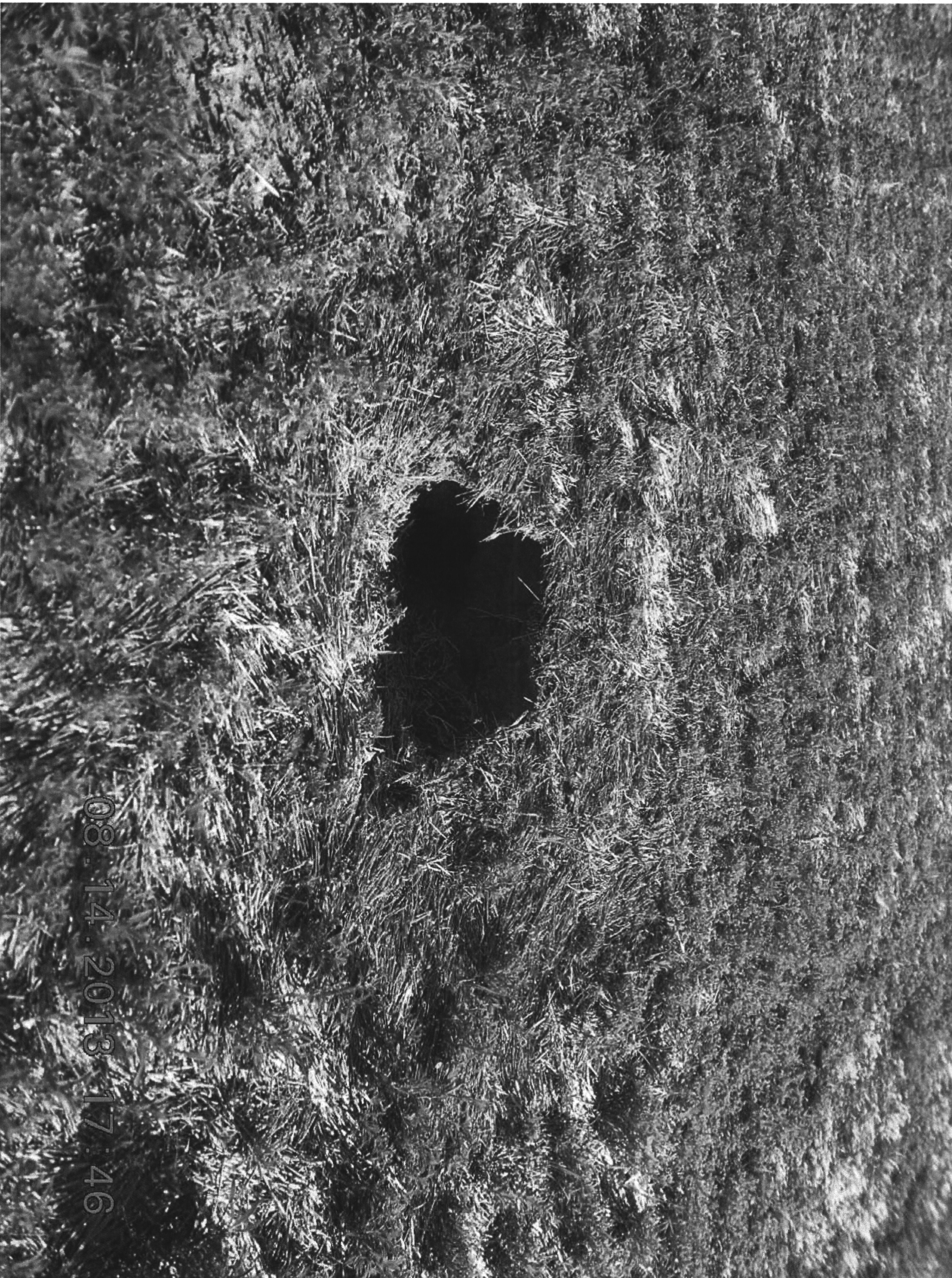
08.14.2013 17:35

08-14-2013 17:44





08.14.2013 17:46



08:14:2013 17:46

Cherne, Curtis

From: Cherne, Curtis
Sent: Friday, August 23, 2013 9:47 AM
To: 'Sandra Lowry'
Cc: Conrad, Matthew A.
Subject: RE: Dangerous Drainage Problem--City Property

Sandra,
David Soule, P.E. has already sent pictures of this drainage problem, so additional pictures are not required.
Thank you for your prompt action in fixing this drainage problem.

Curtis

From: Sandra Lowry [mailto:splowry@comcast.net]
Sent: Friday, August 23, 2013 7:24 AM
To: Cherne, Curtis
Subject: Dangerous Drainage Problem--City Property

Mr. Cherne, as discussed in our telephone conversation yesterday, my husband will E-mail you pictures of the dangerous drainage problem involving the city's and my property. I will be meeting an engineer, my architect and builder at the property on Mon. Sept. 26 at 3:30 p.m. I was wondering if you or your representative could meet us there to discuss a solution to this problem. The property is 601 Kabrico Court NE and involves the NW corner of my property and the large drainage pond owned by the city. The nearest cross streets are Edith and Tyler Roads NE. The property is just East of the Korean Church.

Thank you. Sandra Lowry 505-955-0603 You may also contact my husband Terry Davenport on his cell—470-1428.

8/23/2013

Cherne, Curtis

From: Cherne, Curtis
Sent: Friday, August 23, 2013 9:02 AM
To: 'David Soule'; 'Don R. Briggs'
Cc: 'splowry@comcast.net'; Silva, David
Subject: RE: SALIDA DE LA LUNA SUBDIVISION

David,

Yes, you can get onsite to make the area safe.

I agree that the responsibility to fix this is with the property owner, since this channel serves private property and as stated on the approved plan, stamp date 7-27-09, ABQ Engineering.

The "fix" should be submitted for SO-19 approval and it will be reviewed soon after being submitted as erosion in the pond bank will increase with time. Please let me know when the plan is submitted.

Curtis

From: David Soule [mailto:david@riograndeengineering.com]
Sent: Wednesday, August 21, 2013 3:05 PM
To: 'David Soule'; 'Don R. Briggs'
Cc: Cherne, Curtis
Subject: RE: SALIDA DE LA LUNA SUBDIVISION

After discussing with the owners representative, there is an urgency to do immediate corrective action, the current disposition of the channel appears to be extremely unsafe. We would like to be able to do immediate work to collapse the channel such that the area is safe. The pond is COA and we need permission but we are concerned about liability and safety. Please advise if we can get onsite to make the area safe, until we can come up with corrective design

David

From: David Soule [mailto:david@riograndeengineering.com]
Sent: Wednesday, August 21, 2013 12:36 PM
To: 'Don R. Briggs'
Cc: 'Cherne, Curtis'
Subject: SALIDA DE LA LUNA SUBDIVISION

FYI, i dont think there is anything further i will need.
David

From: David Soule [mailto:david@riograndeengineering.com]
Sent: Wednesday, August 21, 2013 12:33 PM
To: 'Demosthenes Durano'
Subject: RE: Scan landscape plan

I did further research on this project. The rundown was done under an SO-19 permit under city project #745683 with design calculations by ABQ engineering located in city file E16/D30. The language of this permit on note #6 states Maintanance of the facility is the responsibility of the owner served. The rundown serves the HOA lot so per the permit whom ever owns the HOA tract is responsible to maintain entire rundown. I reviewed the hydrology and i believe the opening width does not match the calculations and that is why i believe water started going around the channel. The soils in this area are highly erosive, so the combination contributed to the failure. I will provide a proposal to correct this rundown and obtain permits for demo and replacement of adaqueate rundown. The rundown will be 4' wide rather than 3 and at the entrance it will be 5' wid e, with a cut-off wall. The e bank will have rip rap and filter fabric to prohibit the 'piping' that took place. I think the documentation on this leads me to the conclusion the city nor the county are responsible to fix. I believe the city has the ability to force us to fix and the county has ability to hold up permits for houses until fixed. I doubt this is what you wanted to hear,but I am

8/23/2013

pretty confident in my conclusion. A proposal is forthcoming
David Soule

From: Demosthenes Durano [mailto:dcdurano@comcast.net]
Sent: Wednesday, August 21, 2013 10:38 AM
To: Soule David
Cc: Lowry Sandra; Terry Davenport
Subject: Fwd: Scan landscape plan

Hi, David.

Here's the approved landscape plan for the property on Edith/Tyler.

D. C. Durano
NAHB Certified Green Professional
NAHB Best Luxury Green Home of the Year Award Winner
www.duranoconstruction.com
dcdurano@comcast.net

Begin forwarded message:

La Salida De La Luna

Drainage pond area computations:

24126 Pond 1

7/17/09

diameter = 2.0000
k= 0.6000
A= 3.1416
Inv el. = 27.8000

Height above pond bottom	Pond Elev.	Area (sf)	Average Storage Volume	Cumul. Storage	head	Q
0.0000	28.0000	16,860.6800	0.0000	0.0000	0.2000	0.0000
1.0000	29.0000	20,642.0500	0.4305	0.4305	1.2000	16.5705

1-0-0

AHYMO PROGRAM (AHYMO_97) -
1997.02e

- Version:

RUN DATE (MON/DAY/YR) = 07/17/2009
START TIME (HR:MIN:SEC) = 12:59:15 USER NO.= AHYMO-I-
9702a0100003C-SH
INPUT FILE = K:\Projects\2006\26124\ahymo input salida de
la luna 71709.txt

* *****
* La Salida Del La Luna Ponding Calcs
*
* *100 YEAR 6 HOUR PROP CONDITIONS
* *****
START TIME=0.0 HR PUNCH CODE=0 PRINT LINES=-3
RAINFALL TYPE=1 RAIN QUARTER=0.0
RAIN ONE=2.01 IN RAIN SIX=2.35 IN
RAIN DAY=2.75 IN DT=0.0333 HRS

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA
ATLAS 2 - PEAK AT 1.40 HR.

HOURS	DT = .033300 HOURS	END TIME = 5.994000
.0102	.0000 .0016 .0033 .0049 .0066 .0084	
.0241	.0120 .0139 .0158 .0178 .0198 .0219	
.0410	.0263 .0285 .0309 .0333 .0358 .0384	
.0630	.0438 .0467 .0497 .0528 .0561 .0595	
.1059	.0668 .0708 .0750 .0805 .0864 .0928	
.8028	.1359 .1822 .2488 .3398 .4596 .6124	
1.6150	1.0352 1.2584 1.3500 1.4271 1.4955 1.5577	
1.9255	1.6682 1.7178 1.7644 1.8082 1.8495 1.8885	
2.0972	1.9605 1.9937 2.0252 2.0551 2.0835 2.0912	
2.1327	2.1030 2.1085 2.1137 2.1188 2.1236 2.1282	
2.1602	2.1370 2.1412 2.1452 2.1491 2.1529 2.1566	
2.1830	2.1637 2.1671 2.1704 2.1737 2.1768 2.1799	
2.2026	2.1859 2.1889 2.1917 2.1945 2.1973 2.2000	

	2.2052	2.2078	2.2103	2.2128	2.2152	2.2176
2.2200						
	2.2223	2.2246	2.2268	2.2291	2.2313	2.2334
2.2356						
	2.2377	2.2397	2.2418	2.2438	2.2458	2.2478
2.2498						
	2.2517	2.2536	2.2555	2.2574	2.2592	2.2611
2.2629						
	2.2647	2.2664	2.2682	2.2699	2.2716	2.2733
2.2750						
	2.2767	2.2784	2.2800	2.2816	2.2832	2.2848
2.2864						
	2.2880	2.2895	2.2911	2.2926	2.2941	2.2956
2.2971						
	2.2986	2.3000	2.3015	2.3029	2.3044	2.3058
2.3072						
	2.3086	2.3100	2.3113	2.3127	2.3141	2.3154
2.3168						
	2.3181	2.3194	2.3207	2.3220	2.3233	2.3246
2.3259						
	2.3271	2.3284	2.3297	2.3309	2.3321	2.3334
2.3346						
	2.3358	2.3370	2.3382	2.3394	2.3406	2.3418
2.3429						
	2.3441	2.3452	2.3464	2.3475	2.3487	2.3498

*

COMPUTE NM HYD

ID=1 HYD NO=A1 DA=0.0046 SQ MI
 PER A=0 PER B=63 PER C=0 PER D=37
 TP=-0.1333 HR MASS RAIN=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000
 SHAPE CONSTANT, N = 7.106429
 UNIT PEAK = 6.7196 CFS UNIT VOLUME = .9975 B =
 526.28 P60 = 2.0100
 AREA = .001702 SQ MI IA = .10000 INCHES INF =
 .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER
 METHOD - DT = .033300

K = .132088HR TP = .133300HR K/TP RATIO = .990905
 SHAPE CONSTANT, N = 3.563123
 UNIT PEAK = 7.0636 CFS UNIT VOLUME = .9984 B =
 324.91 P60 = 2.0100
 AREA = .002898 SQ MI IA = .50000 INCHES INF =
 1.25000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER
 METHOD - DT = .033300

*

PRINT HYD

ID=1 CODE=1

HYDROGRAPH FROM AREA A1

RUNOFF VOLUME = 1.27286 INCHES = .3123 ACRE-Feet
 PEAK DISCHARGE RATE = 9.35 CFS AT 1.499 HOURS BASIN
 AREA = .0046 SQ. MI.

*
 *
 *
 *
 ROUTE RESERVOIR ID=200 HYD=POND1 INFLOW= ID=1 CODE=5
 (FT) OUTFLOW(CFS) STORAGE(AC FT) ELEVATION
 0 0.0 28.00
 16.57 0.4305 29.00

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
.00	.00	28.00	.000	.00
.17	.00	28.00	.000	.00
.33	.00	28.00	.000	.00
.50	.00	28.00	.000	.00
.67	.00	28.00	.000	.00
.83	.00	28.00	.000	.00
1.00	.00	28.00	.000	.00
1.17	.01	28.00	.000	.00
1.33	1.68	28.02	.007	.27
1.50	9.35	28.15	.067	2.56
1.67	5.05	28.27	.117	4.50
1.83	2.62	28.25	.107	4.11
2.00	1.69	28.20	.085	3.26
2.16	.84	28.15	.063	2.44
2.33	.44	28.10	.044	1.67
2.50	.27	28.07	.029	1.10
2.66	.18	28.04	.019	.74
2.83	.12	28.03	.013	.49
3.00	.09	28.02	.009	.33
3.16	.07	28.01	.006	.23
3.33	.05	28.01	.004	.16
3.50	.04	28.01	.003	.11
3.66	.03	28.00	.002	.08
3.83	.03	28.00	.002	.06
4.00	.03	28.00	.001	.05
4.16	.03	28.00	.001	.04
4.33	.03	28.00	.001	.04
4.50	.03	28.00	.001	.03
4.66	.03	28.00	.001	.03

4.83	.03	28.00	.001	.03
5.00	.03	28.00	.001	.03
5.16	.03	28.00	.001	.03
5.33	.03	28.00	.001	.03
5.49	.03	28.00	.001	.03
5.66	.03	28.00	.001	.03
5.83	.03	28.00	.001	.03
5.99	.04	28.00	.001	.03
6.16	.01	28.00	.001	.03
6.33	.00	28.00	.001	.02
6.49	.00	28.00	.000	.01
6.66	.00	28.00	.000	.01
6.83	.00	28.00	.000	.00

PEAK DISCHARGE = 4.518 CFS - PEAK OCCURS AT HOUR 1.70
 MAXIMUM WATER SURFACE ELEVATION = 28.273
 MAXIMUM STORAGE = .1174 AC-FT INCREMENTAL TIME=
 .033300HRS

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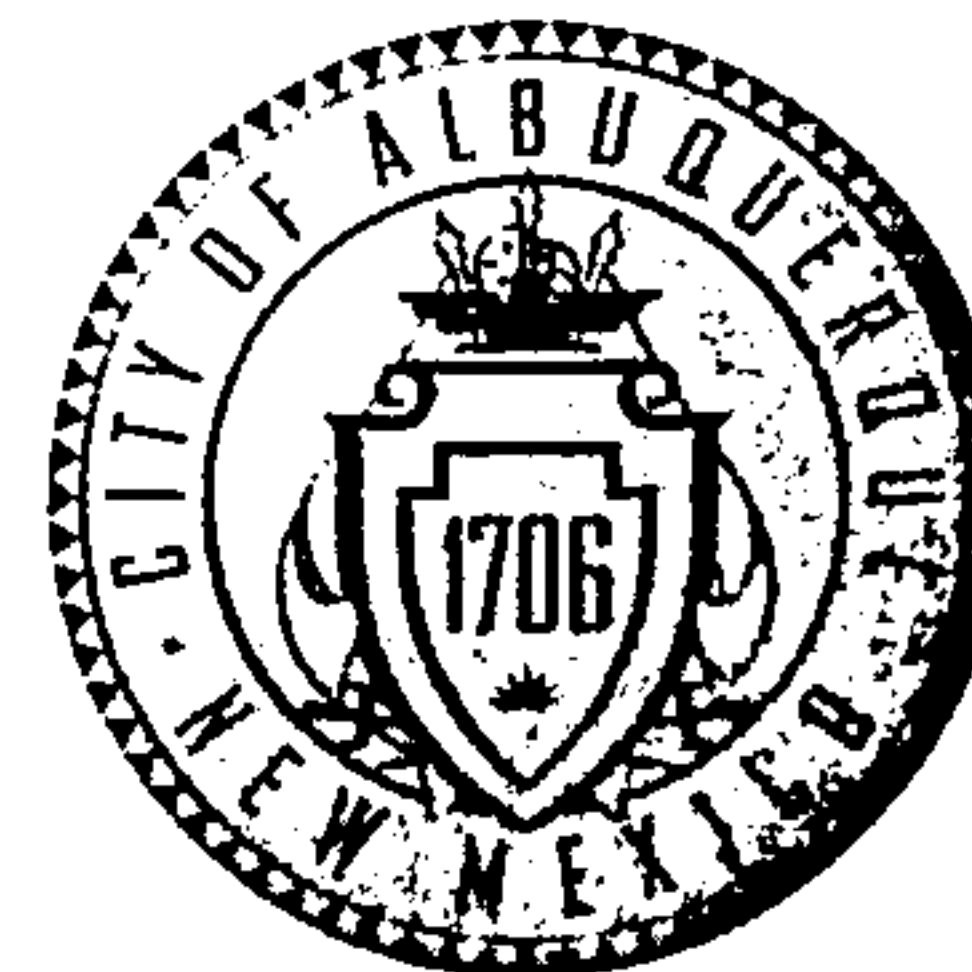
FINISH

NORMAL PROGRAM FINISH

END TIME (HR:MIN:SEC) = 12:59:15

1-2

CITY OF ALBUQUERQUE



July 15, 2009

Martin Garcia, PE
ABQ Engineering
6739 Academy NE Ste 130
Albuquerque, NM 87109

Re: La Salida de la Luna Subdivision Channel Detail Plan
Engineer's Stamp dated 7-27-09 (E16/D30)

Dear Mr. Garcia,

Based upon the information provided in your submittal dated 7-28-09, the above referenced plan is approved for SO #19 Permit. Upon completion of the channel, please provide an engineering certification for our records.

PO Box 1293

If you have any questions, you can contact me at 924-3986.

Albuquerque

NM 87103

www.cabq.gov

Sincerely,

Bradley L. Bingham, PE
Principal Engineer, Planning Dept.
Development and Building Services

C: Dwayne Schmitz, DMD
Antoinette Baldonado, DMD
file

EXISTING PRIOR TO
SUBDIVISION CONSTRUCTION.
LA SALIDA DE LA LUNA

Hydrology Calculations
Date: November 11, 2003
DPM - Section 22.2
Volume 2, January 1993

Precipitation Zone **2**
100 Year Storm Depth, P (360) **2.35**
100 year Storm Depth, P (10 day) **3.95**

Treatment Area	A	B	C	D
Excess Precipitation Factors	0.53	0.78	1.13	2.12
Peak Discharge Factors	1.56	2.28	3.14	4.70

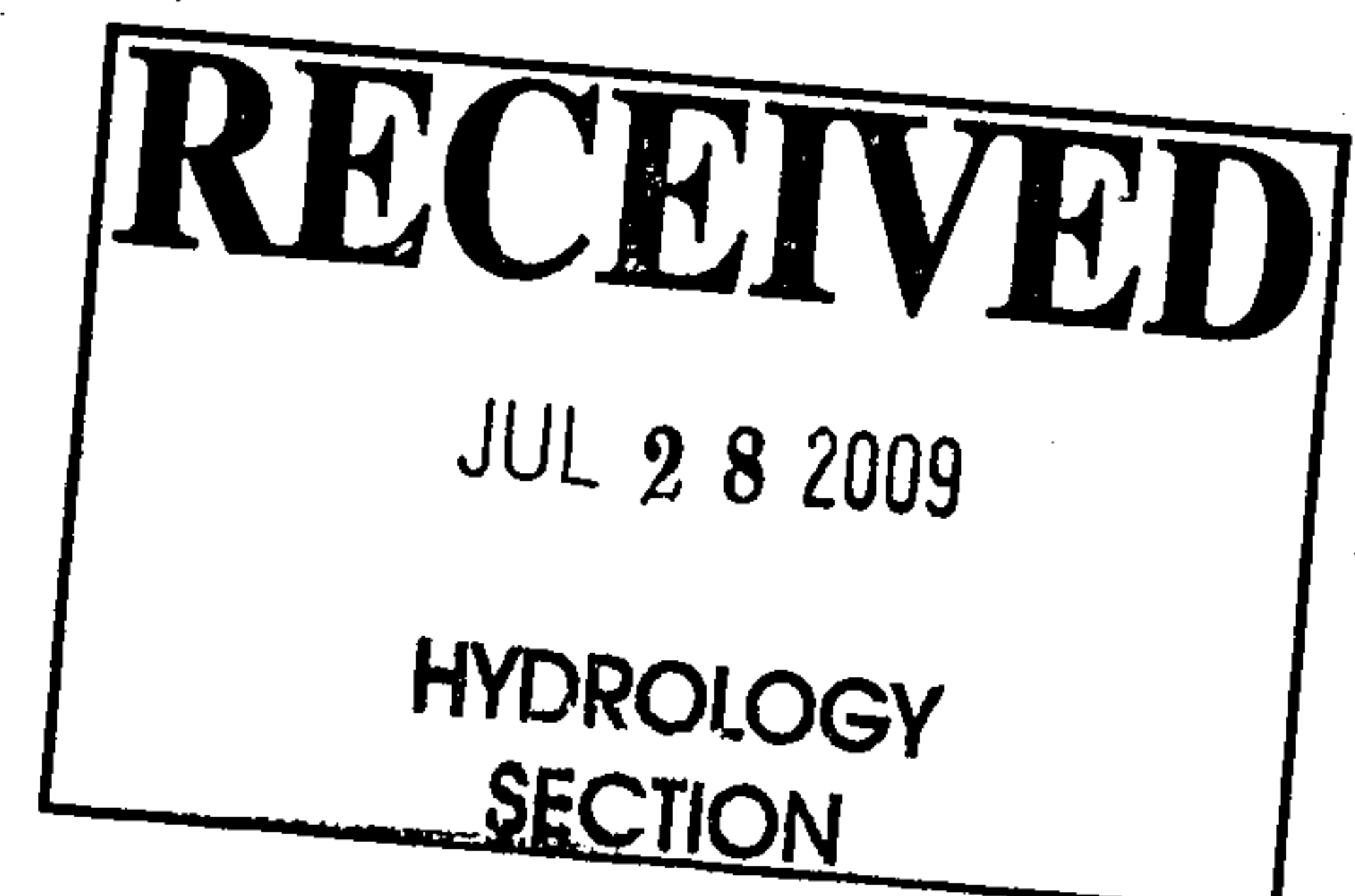
Land Treatment Area	Acres	Existing	Allowable	Proposed
Type "D" (Pavement & Roofs)		0.00	0.50	1.07
Type "C" (Unpaved Roadway)		0.00	0.59	0.00
Type "B" (Irrigated Lawns)		0.00	0.59	1.86
Type "A" (Undeveloped)		2.93	1.26	0.00
Total (Acres)		2.93	2.93	2.93
Excess Precipitation(in)		0.53	0.99	1.27
Volume (100), cf		5637.03	10480.62	13500.70
Volume (10),cf		3776.81	7022.01	9045.47
Volume (100,10 day), cf		5637.03	10480.62	19715.26
Q (100), cfs		4.57	7.47	9.27
Q (10), cfs		3.06	5.00	6.21

ahymo input salida de la luna 71709

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*****
*                               La Salida Del La Luna Ponding Calcs
*
*                               *100 YEAR 6 HOUR PROP CONDITIONS
*                               *****
START                           TIME=0.0 HR PUNCH CODE=0 PRINT LINES=-3
RAINFALL                       TYPE=1 RAIN QUARTER=0.0
                                RAIN ONE=2.01 IN RAIN SIX=2.35 IN
                                RAIN DAY=2.75 IN DT=0.0333 HRS
*                               *****
COMPUTE NM HYD                 ID=1 HYD NO=A1 DA=0.0046 SQ MI
                                PER A=0 PER B=63 PER C=0 PER D=37
                                TP=-0.1333 HR MASS RAIN=-1
*                               *****
PRINT HYD                      ID=1 CODE=1
*
*                               *****
*                               La Luna pond
*                               *****
ROUTE RESERVOIR               ID=200 HYD=POND1 INFLOW= ID=1 CODE=5
OUTFLOW(CFS)                  STORAGE(AC FT)    ELEVATION (FT)
      0                        0.0                28.00
     16.57                     0.4305             29.00
*
FINISH

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Bingham, Brad L.

From: Silva, David
Sent: Friday, October 08, 2010 11:16 AM
To: Bingham, Brad L.
Cc: 'Carlos Spiess'
Subject: La Salida de la Luna Subdivision Channel Detail Plan

Hi Brad,

Just made final inspection this morning and it is good to go.

thanks
dave

OK - 10-8-10
File # : E-76/2030

10/8/2010