

Approved

Commissioners Court

MAY ~~08~~ 2017

REQUEST FOR AGENDA PLACEMENT FORM

Submission Deadline - Tuesday, 12:00 PM before Court Dates

SUBMITTED BY: David Disheroon TODAY'S DATE: 05/02/2017

DEPARTMENT: Public Works

SIGNATURE OF DEPARTMENT HEAD: _____

REQUESTED AGENDA DATE: 05/08/2017

SPECIFIC AGENDA WORDING: Consideration for approval of a platted subdivision and roads for Harsh Capital Investments on Farm to Market 2258 in Grandview. Nathan Harsh has met all county requirements.

PERSON(S) TO PRESENT ITEM: David Disheroon

SUPPORT MATERIAL: (Must enclose supporting documentation)

TIME: 10 minutes	ACTION ITEM: <u> X </u>
	WORKSHOP _____
(Anticipated number of minutes needed to discuss item)	CONSENT: _____
	EXECUTIVE: _____

STAFF NOTICE:

COUNTY ATTORNEY: _____	IT DEPARTMENT: _____
AUDITOR: _____	PURCHASING DEPARTMENT: _____
PERSONNEL: _____	PUBLIC WORKS: _____
BUDGET COORDINATOR: _____	OTHER: _____

*******This Section to be Completed by County Judge's Office*******

ASSIGNED AGENDA DATE: _____

REQUEST RECEIVED BY COUNTY JUDGE'S OFFICE _____

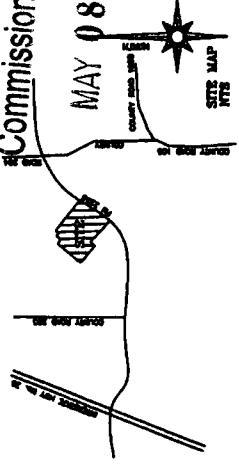
COURT MEMBER APPROVAL _____ Date _____

15

Approved

Commissioners Court

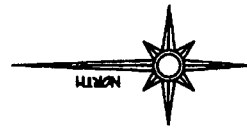
MAY 08 2017



CURVE TABLE

C1	LOT 17, BLOCK 1 R 151.1853W 87.05'
C2	LOT 17, BLOCK 1 R 162.7137W 87.05'
C3	LOT 17, BLOCK 1 R 174.2421W 87.05'
C4	LOT 17, BLOCK 1 R 185.7705W 87.05'
C5	LOT 17, BLOCK 1 R 197.2989W 87.05'
C6	LOT 17, BLOCK 1 R 208.8273W 87.05'
C7	LOT 17, BLOCK 1 R 220.3557W 87.05'
C8	LOT 17, BLOCK 1 R 231.8841W 87.05'
C9	LOT 17, BLOCK 1 R 243.4125W 87.05'
C10	LOT 17, BLOCK 1 R 254.9409W 87.05'

LOTS 1 THROUGH 17, BLOCK 1
LOTS 1 THROUGH 4, BLOCK 2
THE ESCAPE SUBDIVISION
AN ADDITION IN JOHNSON COUNTY, TEXAS
Being 27.703 Acres situated in and
Pamela Sessions Survey, Abstract No. 7866
Johnson County, Texas



SCALE: 1" = 100'

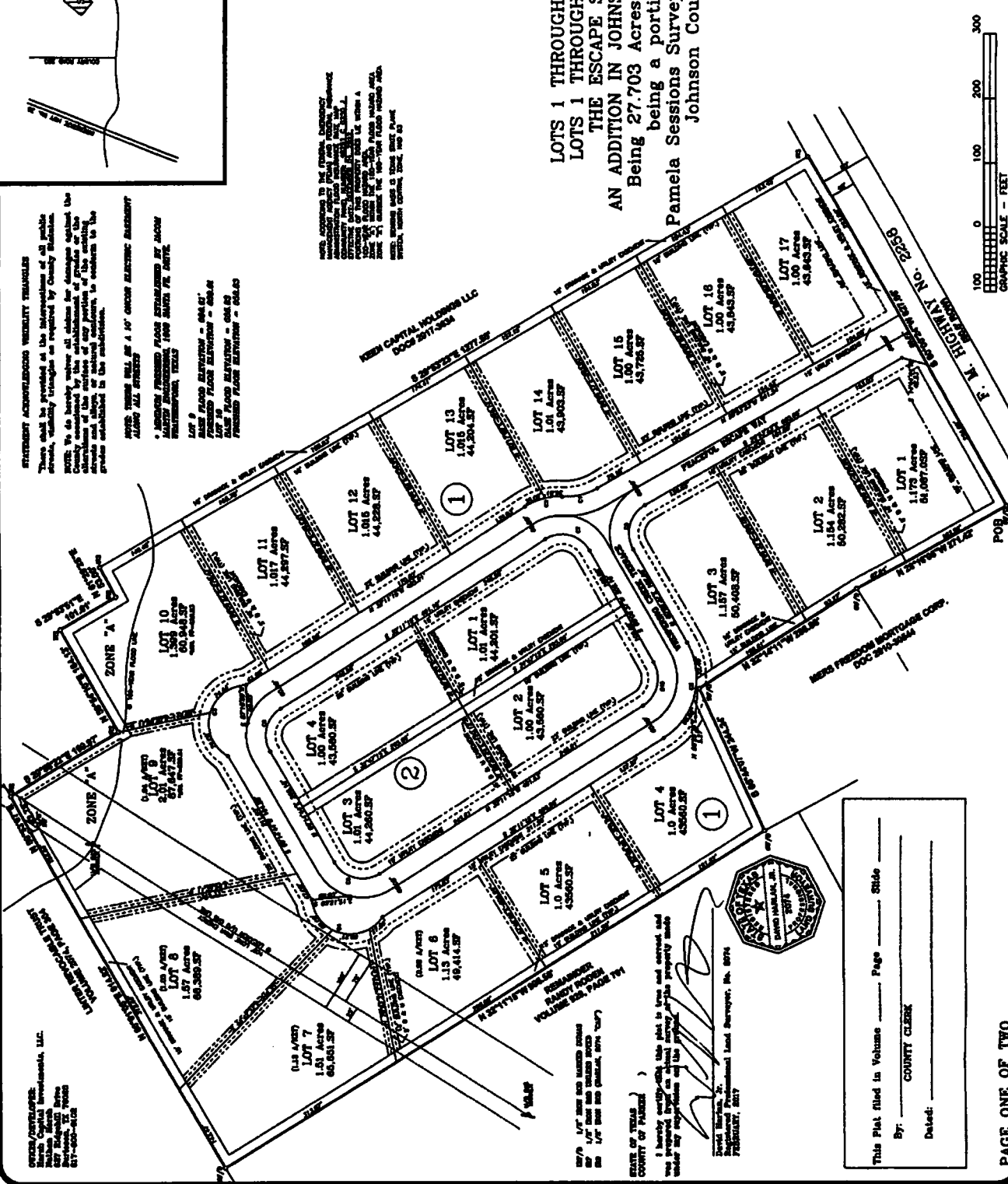
HARLAN LAND SURVEYING, INC.
1000 E. DUNDAS STREET
MCKINNEY, TEXAS 75069-1700
PHONE: (972) 564-0880
FAX: (972) 564-3533
FRESNO, TEXAS 75068

18449PLAT

STREET ADDRESS VERIFIABILITY TRAVELER
There shall be provided at the intersection of all public
streets, verifiability through as required by County Ordinance
8020. To do hereby waive all claims for damages against the
County committed by the establishment of grades of the
streets, sidewalks, and other improvements, and to indemnify the
County from all claims, damages, and expenses, in connection to the
provisions established in this subdivision.

LOTS 1 THROUGH 17, BLOCK 1
AND LOTS 1 THROUGH 4, BLOCK 2
THE ESCAPE SUBDIVISION
AN ADDITION IN JOHNSON COUNTY, TEXAS
Being 27.703 Acres situated in and
Pamela Sessions Survey, Abstract No. 7866
Johnson County, Texas

FOR RECORD TO THE PUBLIC RECORDS
COUNTY CLERK, JOHNSON COUNTY, TEXAS
BY: _____
DATE: _____



SENDER/APPLOER:
Kern Capital Investments, LLC
2200 North Loop West
Houston, TX 77002
817-400-8108



This Plat filed in Volume _____ Page _____ Slide _____
By: _____ COUNTY CLERK
Dated: _____

PAGE ONE OF TWO

OUR PEOPLE BARGAIN BUYERS:
1. No issue shall be built across or within the easement.

JOHNSON COUNTY COMMISSIONERS COURT
APPROVED BY: _____
COUNTY JUDGE
DATE: _____

This Plat filed in Volume _____ Page _____ Slide _____
By: _____
COUNTY CLERK
Dated: _____

LOTS 1 THROUGH 18, BLOCK 1
LOTS 1 THROUGH 4, BLOCK 2
THE ESCAPE SUBDIVISION
AN ADDITION IN JOHNSON COUNTY, TEXAS
Being 27.703 Acres situated in and
being a portion of the
Pamela Sessions Survey, Abstract No. 786
Johnson County, Texas

HARLAN LAND SURVEYING, INC.
1515 W. 11th Street
Midland, Texas 79701
Phone (806) 673-3111
Fax (806) 673-3111

18448PLAT

GENERAL NOTES:

This subdivision is not located within the city limits of any city of Texas. The boundaries of the proposed tract of the area shown on this plat are subject to the following conditions:

1. The area shown on this plat is subject to the following conditions:

2. The area shown on this plat is subject to the following conditions:

3. The area shown on this plat is subject to the following conditions:

4. The area shown on this plat is subject to the following conditions:

5. The area shown on this plat is subject to the following conditions:

6. The area shown on this plat is subject to the following conditions:

7. The area shown on this plat is subject to the following conditions:

8. The area shown on this plat is subject to the following conditions:

9. The area shown on this plat is subject to the following conditions:

10. The area shown on this plat is subject to the following conditions:

11. The area shown on this plat is subject to the following conditions:

12. The area shown on this plat is subject to the following conditions:

13. The area shown on this plat is subject to the following conditions:

14. The area shown on this plat is subject to the following conditions:

15. The area shown on this plat is subject to the following conditions:

16. The area shown on this plat is subject to the following conditions:

17. The area shown on this plat is subject to the following conditions:

18. The area shown on this plat is subject to the following conditions:

19. The area shown on this plat is subject to the following conditions:

20. The area shown on this plat is subject to the following conditions:

21. The area shown on this plat is subject to the following conditions:

22. The area shown on this plat is subject to the following conditions:

23. The area shown on this plat is subject to the following conditions:

24. The area shown on this plat is subject to the following conditions:

25. The area shown on this plat is subject to the following conditions:

26. The area shown on this plat is subject to the following conditions:

OWNER AND REGISTERED SURVEYOR BY: *Stephen H. Hest*
FOR THE 20th DAY OF *April* 1977
COUNTY CLERK OF JOHNSON COUNTY, TEXAS
Alvin R. Rader

4/28/77



LEGAL FEES OF BOUND 5840 FEET

ELECTRIC, GAS, DALLAS, TEXAS 800-543-0808
WATER BY PRIVATE WATER WELLS
MARKERS BY PRIVATE INDIVIDUAL SEPTIC SYSTEMS

PAGE TWO OF TWO

CONSTRUCTION BOND

**STATE OF TEXAS §
COUNTY OF JOHNSON §**

KNOW ALL MEN BY THESE PRESENTS:

THAT we, Harsh Capital Investments, LLC of Fort Worth, Texas, as Principal, and Ironshore Indemnity Inc., as Surety, whose address is 28 Liberty Street, 4th Floor, New York, NY 10005, are held and firmly bound unto the County of Johnson, State of Texas (Johnson County), as Obligee, through its County Judge Roger Harmon, or his successor in office, in the sum of Two Hundred Fifty Thousand Dollars (\$250,000.00), for the payment of which well and truly be made, we bind ourselves, and each of us, our heirs executors, administrators, successors and assigns, jointly and severally, by these presents.

WHEREAS, the said Principal desires to sub-divide and plat a certain tract of land located outside the limits of an incorporated city or town in Johnson County, Texas, said subdivision to be known as The Escape, more fully described as A Single Family Subdivision of Lots 1-17, Block 1 and Lots 1-4, Block 2, Johnson County, Texas, and being 27.703 Acres Out of the Pamela Sessions Survey, Abstract No. 766; and

WHEREAS, the said Principal is required by Section V, Financial Security, of the *Subdivision Rules and Regulations of Johnson County, Texas Amended and Approved November 14, 2011 and Further Amended March 13, 2017* and by Section 232.004 of the *Texas Local Government Code* to file a bond with the Johnson County Commissioners Court in the amount of 100% of the estimated construction cost of constructing the roads, streets, drainage and signage for the above described property in conformance with the *Subdivision Rules and Regulations of Johnson County, Texas Amended and Approved November 14, 2011 and Further Amended March 13, 2017*, and in conformance with the plat and approved by the Johnson County Commissioners Court on _____ (date) and filed in the Plat Records of Johnson County, Texas, Volume _____, Page _____.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH that the Principal, who owns the tract of land to be subdivided under the name of "The Escape" must construct the roads, streets, drainage and signage for such subdivision in conformance with the specifications contained in the *Subdivision Rules and Regulations of Johnson County, Texas Amended and Approved November 14, 2011 and Further Amended March 13, 2017* and in conformance with the plat approved by the Johnson County Commissioners Court on _____ (date) and filed in the Plat Records of Johnson County, Texas, Volume _____, Page _____.

Principal, who owns the tract of land to be subdivided under the name of "The Escape" must construct the roads, streets, drainage and signage for such subdivision by _____ (date). If such roads, streets, drainage and signage are not constructed by _____ (date), then upon delivery of written notification and reasonable evidence to Surety that such roads, streets, drainage and signage have not been constructed according to the conditions described above, then such proceeds of this bond as are reasonably necessary to construct or complete the construction of the roads, streets, drainage and signage as described in the plat filed in the Plat Records of Johnson County, Volume _____ Page _____, shall be payable to County Judge Roger Harmon or his successor in office in Johnson County, Texas. Venue for all actions arising under, pursuant or in relation to this bond shall be in the District Courts of Johnson County, Texas.

This bond shall remain in full force and in effect until all the roads, streets, drainage and signage requirements in and for such subdivision have been constructed and completed by the Principal and

approved by the Johnson County Public Works Department and the Commissioners Court, and until this Construction Bond has been released by a Court Order from the Johnson County Commissioners Court.

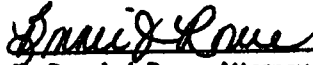
No right of action shall accrue on this bond to or for the future use of any person or corporation other than the Commissioners Court of Johnson County, Texas herein named or successors of said Commissioners Court.

IN WITNESS WHEREOF, the Principal and Surety have hereunto set their hands and seals this
13th day of April, 2017.

PRINCIPAL - Harsh Capital Investments, LLC

By: Nathan Harsh
Address: 627 Ridgehill Drive.
Burleson, TX 76028

SURETY - Ironshore Indemnity Inc



By: Bonnie J. Rowe, Attorney in Fact
Address: 2307 River Road, Suite 200
Louisville, KY 40206

POWER OF ATTORNEY

Ironshore Indemnity Inc.

III-60001010

KNOW ALL MEN BY THESE PRESENTS, that IRONSHORE INDEMNITY INC., a Minnesota Corporation, with its principal office in New York, NY does hereby constitute and appoint: Brook T. Smith, Raymond M. Hundley, Jason D. Cromwell, James H. Martin, Sandra L. Fusinetti, Deborah Neichter, Jill Kemp, Theresa Pickerrell, Sheryon Quinn, Bonnie J. Rowe, Amy Meredith, Lynnette Long, Barbara Duncan, Mark A. Guidry, Michele Lacrosse, Jessica Nowlin, Michael Dix, Rebecca M. Reid, Leigh McCarthy and Summer A. Betting its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surety, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of IRONSHORE INDEMNITY INC. on the 22nd day of April, 2013 as follows:

Resolved, that the Director of the Company is hereby authorized to appoint and empower any representative of the company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed \$5,500,000 dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the Director and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond of undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, IRONSHORE INDEMNITY INC. has caused this instrument to be signed by its Director, and its Corporate Seal to be affixed this 2nd day of July, 2013.

IRONSHORE INDEMNITY INC.



By [Signature]
Daniel L. Sussman
Director

ACKNOWLEDGEMENT

On this 2nd day of July, 2013, before me, personally came Daniel L. Sussman to me known, who being duly sworn, did depose and say that he is the Director of Ironshore Indemnity Inc., the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.

AMY TAYLOR
Notary Public- State of Tennessee
Davidson County
My Commission Expires 07-08-10



By [Signature]
Amy Taylor
Notary Public

CERTIFICATE

I, the undersigned, Secretary of IRONSHORE INDEMNITY INC., a Minnesota Company, DO HEREBY CERTIFY that the original Power of Attorney of which the foregoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Sealed at this 18th Day of April, 2017.



[Signature]
Paul S. Giordano
Secretary

"WARNING: Any person who knowingly and with intent to defraud any insurance company or other person, files an application for insurance or statement of claim containing any materially false information, or conceals for the purpose of misleading information concerning any fact material thereto, commits a fraudulent insurance act, which is a crime and subjects such person to criminal and civil penalties."

Administrative Information (30 TAC 230.4)
1. Name of Proposed Subdivision: The Escape
2. Any Previous Name Which Identifies the Tract of Land: 27.703 Acres out of the Pamela Sessions Survey, Abstract No. 766, Johnson County, Texas
3. Property Owner's Name(s): Harsh Capital Investments, LLC
Address: 627 Ridgehill Drive, Burleson, Texas 76028
Phone: 817-600-9102
Fax:
4. Plat Applicant's Name: Harsh Capital Investments, LLC
Address: 627 Ridgehill Drive, Burleson, Texas 76028
Phone: 817-600-9102
Fax:
5. Licensed Professional Engineer or Geoscientist:
Name: Derek Turner, P.E.
Address: 1508 Santa Fe Drive, Suite 203, Weatherford, Texas 76086
Phone: 817-594-9880
Fax: 817-594-9882
Certificate Number: 84843
6. Location and Property Description of Proposed Subdivision: 27.703 Acres out of the Pamela Sessions Survey, Abstract No. 766, Johnson County, Texas
7. Tax Assessor Parcel Number(s).
Book: 27890 (Instrument #)
Map: 126.0766.00088 (Geo Num)
Parcel:

Proposed Subdivision Information (30 TAC §230.5)
8. Purpose of Proposed Subdivision (single family/multi-family residential, non-residential, commercial): Residential Development
9. Size of Proposed Subdivision (acres): 27.703
10. Number of Proposed Lots: 22
11. Average Size of Proposed Lots (acres): 1.10
12. Anticipated Method of Water Distribution.

Expansion of Existing Public Water Supply System?	Yes	<input type="checkbox"/> No
New (Proposed) Public Water Supply System?	Yes	<input type="checkbox"/> No
Individual Water Wells to Serve Individual Lots?	<input checked="" type="checkbox"/> Yes	No
Combination of Methods?	Yes	<input type="checkbox"/> No
Description (if needed):		
13. Additional Information (if required by the municipal or county authority):		
Note: If public water supply system is anticipated, written application for service to existing water providers within a 1/2-mile radius should be attached to this form (30 TAC §230.5(f) of this title).		

Projected Water Demand Estimate (30 TAC §230.6)
14. Residential Water Demand Estimate at Full Build Out (includes both single family and multi-family residential).
Number of Proposed Housing Units (single and multi-family): 22
Average Number of Persons per Housing Unit: 2.4
Gallons of Water Required per Person per Day: 84
Water Demand per Housing Unit per Year (acre feet/year): 0.22
Total Expected Residential Water Demand per Year (acre feet/year): 4.84
15. Non-residential Water Demand Estimate at Full Build Out.
Type(s) of Non-residential Water Uses: NA
Water Demand per Type per Year (acre feet/year): 4.84 (Residential)
16. Total Water Demand Estimate at Full Build Out (acre feet/year): 4.84
17. Sources of Information Used for Demand Estimates: TWDB Annual Water Use Survey

General Groundwater Resource Information (30 TAC §230.7)

18. Identify and describe, using Texas Water Development Board names, the aquifer(s) which underlies the proposed subdivision: **Trinity**

Note: Users may refer to the most recent State Water Plan to obtain general information pertaining to the state's aquifers. The State Water Plan is available on the Texas Water Development Board's Internet website at: www.twdb.state.tx.us

Obtaining Site-Specific Groundwater Data (30 TAC §230.8)		
19. Have all known existing, abandoned, and inoperative wells within the proposed subdivision been located, identified, and shown on the plat as required under §230.8(b) of this title?	<input checked="" type="checkbox"/> Yes	No
20. Were the geologic and groundwater resource factors identified under §230.7(b) of this title considered in planning and designing the aquifer test required under §230.8(c) of this title?	<input checked="" type="checkbox"/> Yes	No
21. Have test and observation wells been located, drilled, logged, completed, developed, and shown on the plat as required by §230.8(c)(1) - (4) of this title?	<input checked="" type="checkbox"/> Yes	No
22. Have all reasonable precautions been taken to ensure that contaminants do not reach the subsurface environment and that undesirable groundwater has been confined to the zone(s) of origin (§230.8(c)(5) of this title)?	<input checked="" type="checkbox"/> Yes	No
23. Has an aquifer test been conducted which meets the requirements of §230.8(c)(1) and (6) of this title?	<input checked="" type="checkbox"/> Yes	No
24. Were existing wells or previous aquifer test data used?	<input checked="" type="checkbox"/> Yes	No
25. If yes, did they meet the requirements of §230.8(c)(7) of this title?	<input checked="" type="checkbox"/> Yes	No
26. Were additional observation wells or aquifer testing utilized?	Yes	<input checked="" type="checkbox"/> No

Note: If expansion of an existing public water supply system or a new public water supply system is the anticipated method of water distribution for the proposed subdivision, site-specific groundwater data shall be developed under the requirements of 30 TAC, Chapter 290, Subchapter D of this title (relating to Rules and Regulations for Public Water Systems) and the applicable information and correspondence developed in meeting those requirements shall be attached to this form pursuant to §230.8(a) of this title.

Determination of Groundwater Quality (30 TAC §230.9)		
27. Have water quality samples been collected as required by §230.9 of this title?	<input checked="" type="checkbox"/> Yes	No
28. Has a water quality analysis been performed which meets the requirements of §230.9 of this title?	Yes	<input checked="" type="checkbox"/> No

Determination of Groundwater Availability (30 TAC §230.10)		
29. Have the aquifer parameters required by §230.10(c) of this title been determined?	<input checked="" type="checkbox"/> Yes	No
30. If so, provide the aquifer parameters as determined.		
Rate of yield and drawdown: 32 gpm at 49'		
Specific capacity: 0.65 gpm/ft		
Efficiency of the pumped well: 90%		
Transmissivity: 1,036 gpd/ft		
Coefficient of storage: .000301		
Hydraulic conductivity: 115 gpd/sf		
Were any recharge or barrier boundaries detected?	Yes	<input checked="" type="checkbox"/> No
If yes, please describe:		
Thickness of aquifer(s): 74' to 91' (17'), 213' to 236' (23'), and 262' to 271' (9')		
31. Have time-drawdown determinations been calculated as required under §230.10(d)(1) of this title?	<input checked="" type="checkbox"/> Yes	No
32. Have distance-drawdown determinations been calculated as required under §230.10(d)(2) of this title?	<input checked="" type="checkbox"/> Yes	No
33. Have well interference determinations been made as required under §230.10(d)(3) of this title?	<input checked="" type="checkbox"/> Yes	No
34. Has the anticipated method of water delivery, the annual groundwater demand estimates at full build out, and geologic and groundwater information been taken into account in making these determinations?	<input checked="" type="checkbox"/> Yes	No
35. Has the water quality analysis required under §230.9 of this title been compared to primary and secondary public drinking water standards as required under §230.10(e) of	Yes	<input checked="" type="checkbox"/> No

Does the concentration of any analyzed constituent exceed the standards?	Yes	<input checked="" type="checkbox"/> No
If yes, please list the constituent(s) and concentration measure(s) which exceed standards:		

Groundwater Availability and Usability Statements (30 TAC §230.11(a) and (b))

36. Drawdown of the aquifer at the pumped well(s) is estimated to be 50 feet over a 10-year period and 50 feet over a 30-year period.

37. Drawdown of the aquifer at the property boundary is estimated to be 15 feet over a 10-year period and 15 feet over a 30-year period.

38. The distance from the pumped well(s) to the outer edges of the cone(s)-of-depression is estimated to be 1300 feet over a 10-year period and 1300 feet over a 30-year period.

39. The recommended minimum spacing limit between wells is 200 feet with a recommended well yield of 15 gallons per minute per well.


40. Available groundwater is not (circle one) of sufficient quality to meet the intended use of the platted subdivision. Based on observed quality from neighboring wells.

41. The groundwater availability determination does not consider the following conditions (identify any assumptions or uncertainties that are inherent in the groundwater availability determination):

1. Additional aquifer pumping from outside the subdivision.
2. Climatic variations affecting the aquifer.
3. Impacts due to unforeseen or unpredictable contamination.
4. Reduction in the use of public water system by surrounding properties.

Certification of Groundwater Availability (30 TAC §230.11(c))
 Must be signed by a Texas Licensed Professional Engineer or a Texas Licensed Professional Geoscientist.

42. I, Derek Turner, Texas Licensed Professional Engineer or Texas Licensed Professional Geoscientist (circle which applies), certificate number 84843, based on best professional judgment, current groundwater conditions, and the information developed and presented in this form, certify that adequate groundwater is available from the underlying aquifer(s) to supply the anticipated use of the proposed subdivision.

Date: 4/19/17	(affix seal)
	

Adopted July 9, 2008

Effective July 31, 2008

§230.4. Administrative Information.

At a minimum, the following general administrative information as specified in §230.3(c) of this title (relating to Certification of Groundwater Availability for Platting), shall be provided for a proposed subdivision for which groundwater under the land will be the source of water supply:

- (1) the name of the proposed subdivision;
- (2) any previous or other name(s) which identifies the tract of land;
- (3) the name, address, phone number, and facsimile number of the property owner or owners;
- (4) the name, address, phone number, and facsimile number of the person submitting the plat application;
- (5) the name, address, phone number, facsimile number, and registration number of the licensed professional engineer or the licensed professional geoscientist preparing the certification as required in this chapter;
- (6) the location and property description of the proposed subdivision; and
- (7) the tax assessor parcel number(s) by book, map, and parcel.

Adopted January 23, 2003

Effective February 13, 2003

§230.5. Proposed Subdivision Information.

Erwin Water Well Drilling Rig 9

Well Report

NATHAN HARSH
Owner:

Name	Address	City/State	Zip

Well Location			
County	Physical Address	City/State	Zip
Johnson	FM 2258	GRANDVIEW, TX	

Latitude	Longitude
32.306795	-97.159991

Drill Date:	Start	Finished
4-11-17		

Hole Size	Drilling for Erwin or Other
7/8	

From(ft)	To(ft)	Description	From(ft)	To(ft)	Description
0-2	2	Top soil	271	280	Gray Shale
2-27	27	yellow clay & Sand Rock			
27-74	74	Gray Shale			
74-91	91	Sand & Gpm			
91-96	96	Lime			
96-174	174	Gray shale			
174-176	176	Lime			
176-213	213	Gray shale			
213-230	230	Sand			
230-259	259	Gray shale			
259-262	262	Lime Rock			
262-271	271	Sand			

4" size 40

Gallons Per Minute	Helper	
60+	BUE, MT	\$

Casing Ft	Screen Ft
240	40

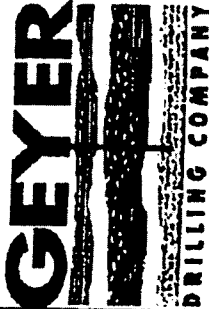
Pea Gravel		
10-245	245-280	

Hole Plug	# Of Bags	# Of Bags
230-245	5	

Portland		# Of Bags
0-10		2

Sleeve	Pvc Cap
8" steel	4" pvc cap

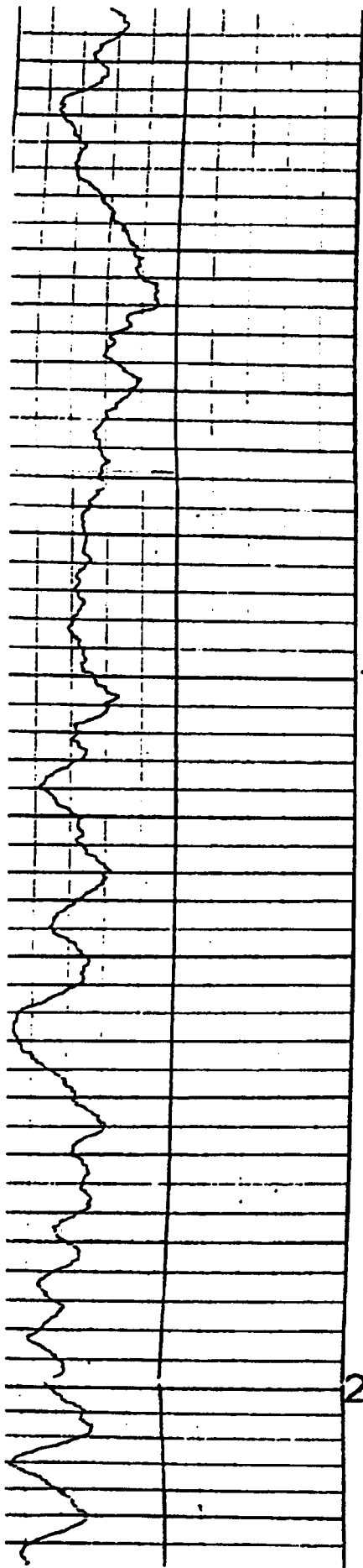
See Permit



TEST WELL 1

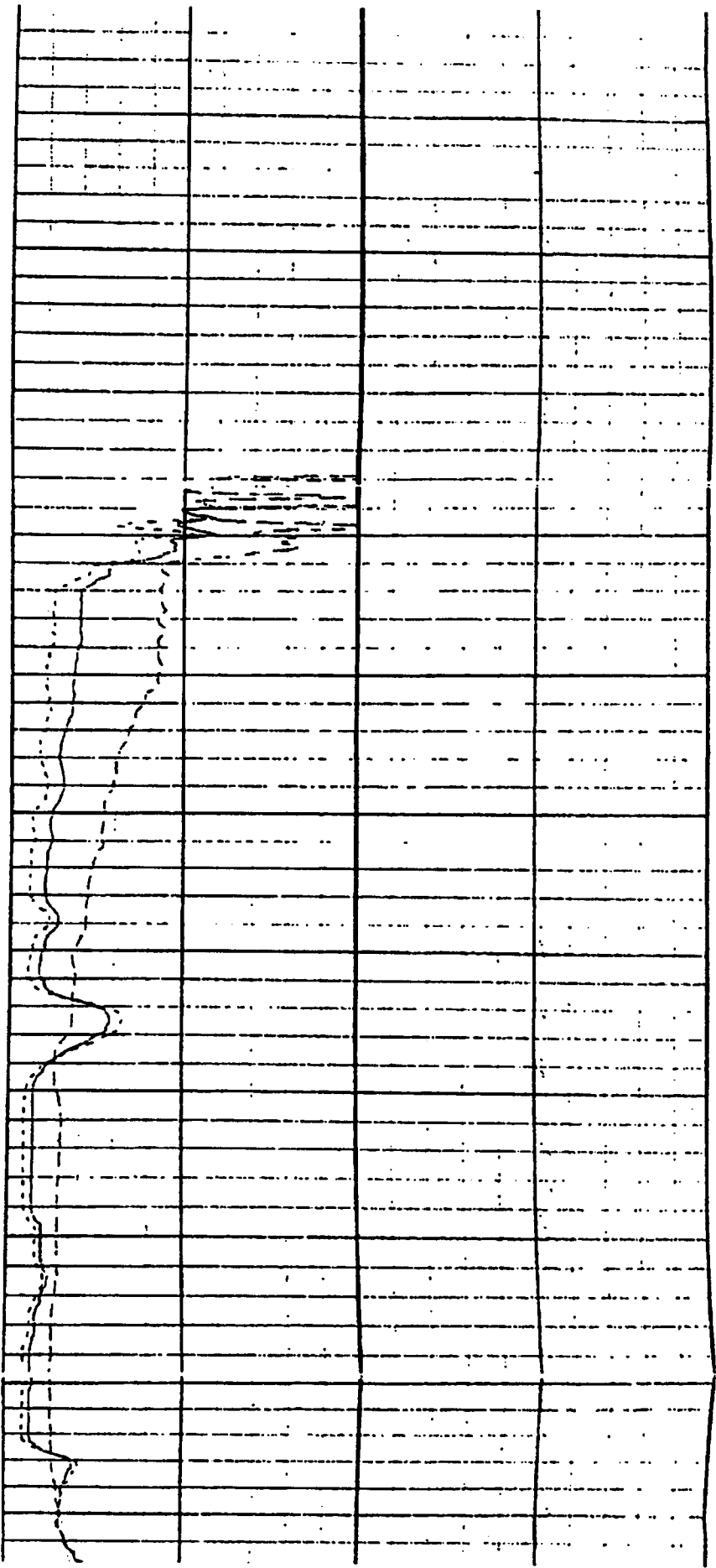
COMPANY ERWIN DRILLING CO		OTHER SERVICES NONE NONE NONE
WELL TEST WELL 1		
FIELD FM 2259		
COUNTY JOHNSON		
STATE TX		
LOCATION NONE		
SECTION NONE		
TOWNSHIP G V		
RANGE NONE		
APPLIC NONE		
UNIQUE WELL ID WOODBINE T1		
PERMANENT DATUM 3 L 6'	ELEVATION KB NONE	
LOG MEASURED FROM 3 L 6'	ELEVATION OF NONE	
DRL MEASURED FROM RT 4'	ELEVATION GL NONE	
DATE 04/10/77	R.G. JUMBER	
DEPTH DRILLER 280'	LOGGER TO	
BIT SIZE 8"	ARRIVAL TIME	
LOG TOP 1 00	DEPARTURE TIME	
LOG BOTTOM 280 50	CIRC STOPPED NONE	
CASING OD 0		
CASING BOTTOM NONE		
CASING TYPE		
BOREHOLE FLUID WATER		
RM TEMPERATURE 0		
MUD RES 0		
MUD WEIGHT 0		
WITNESSED BY REECE RAY		
RECORDED BY R. B. GEYER		
REMARKS 1 NONE		
REMARKS 2 NONE		

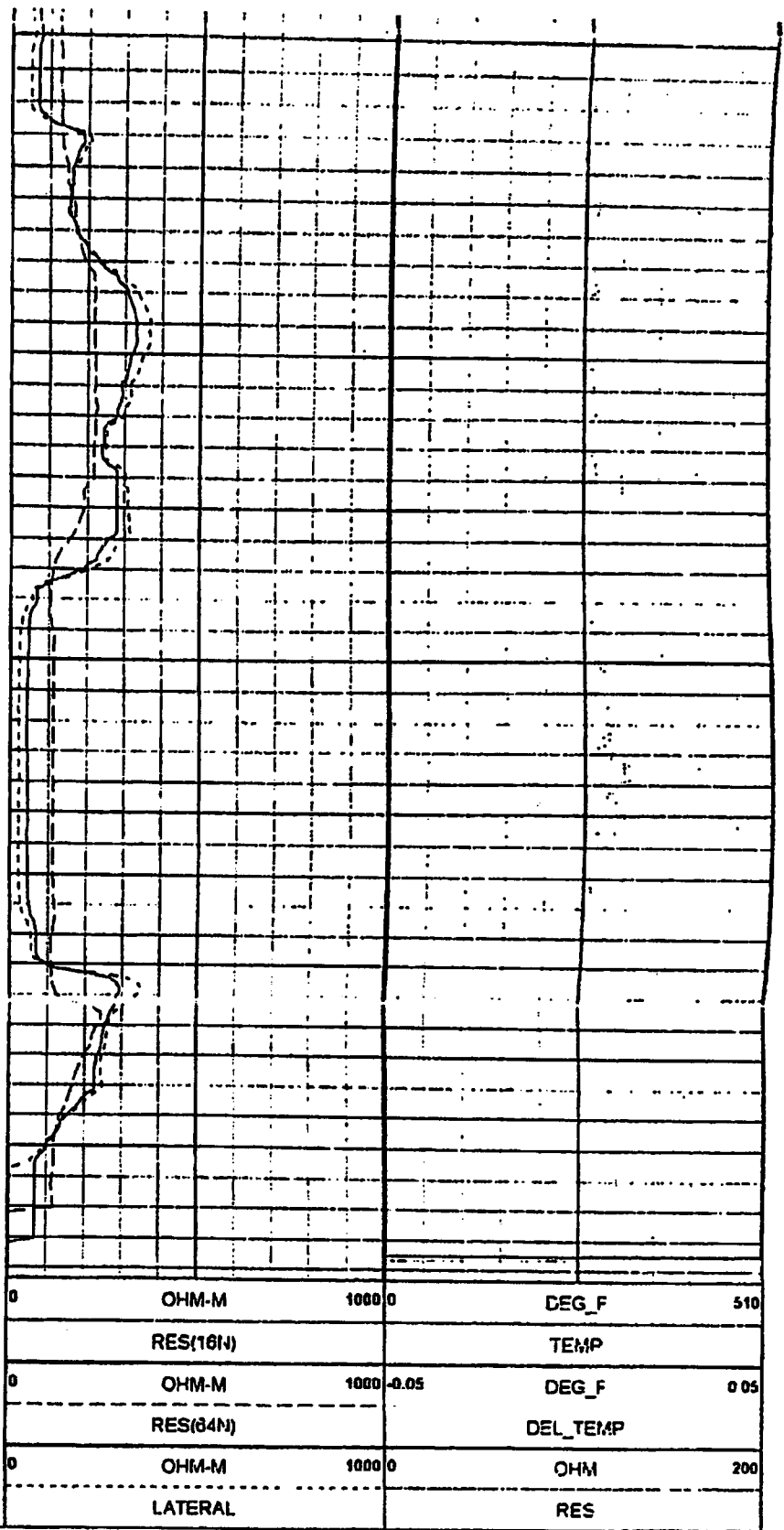
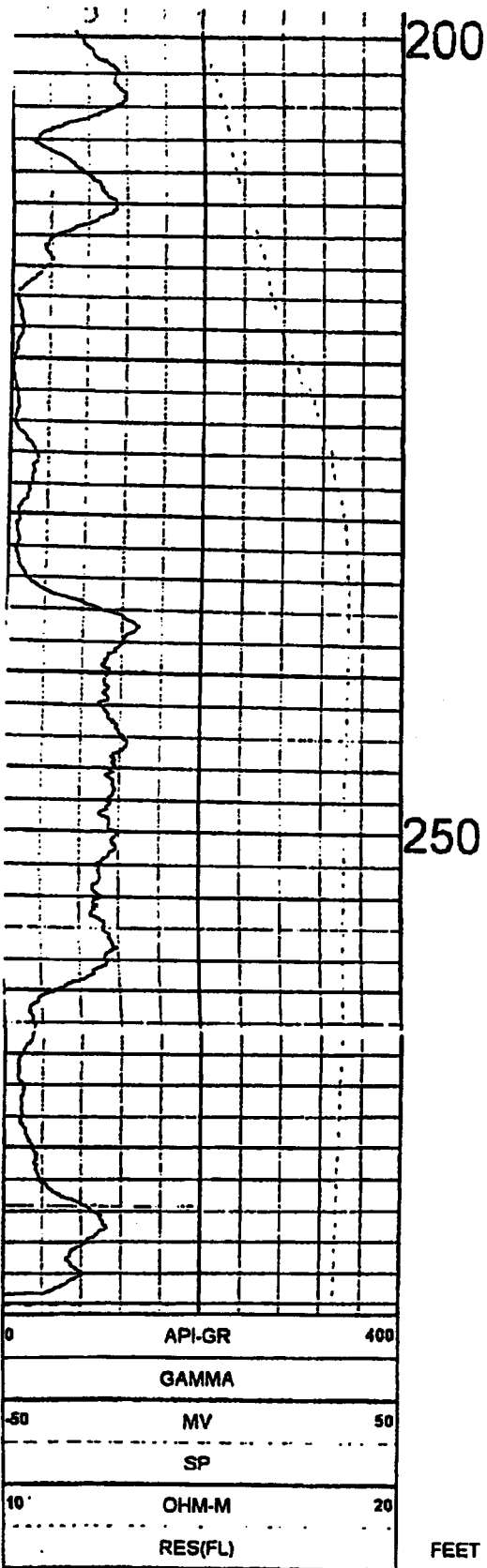
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



150

200



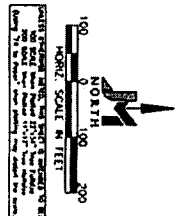
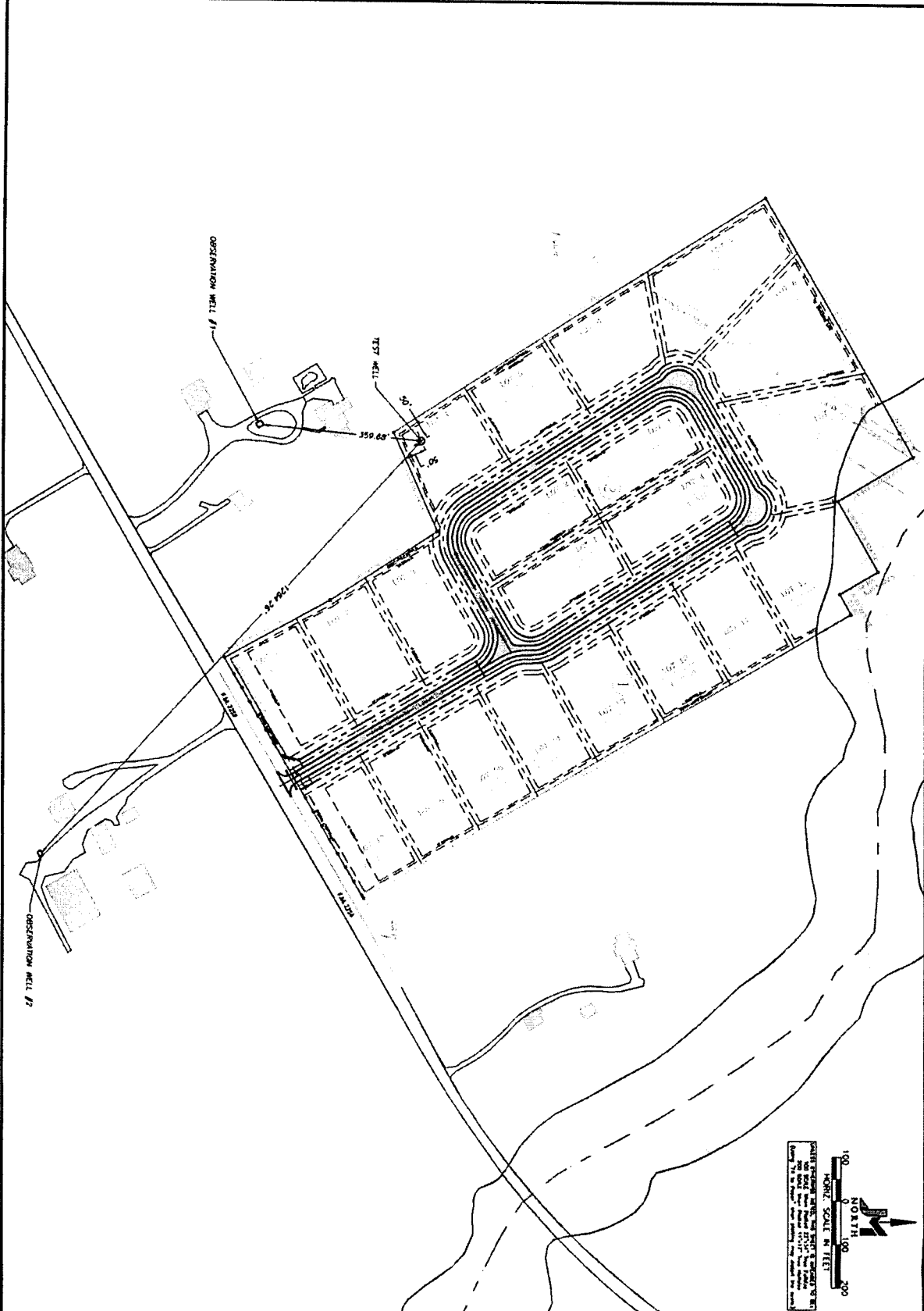


TOOL CALIBRATION TEST WELL 1 04/10/17 12.54
 TOOL 8044A TM VERSION 1
 SERIAL NUMBER 507

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Mar20,13	09:57:04	GAMMA	0.000	2.000 [CPS]
2	Mar20,13	10:00:36	RES(FL)	1.040	11426.000 [CPS]
3	Mar20,13	10:00:36	RES(FL)	49.500	41073.000 [CPS]
3	Mar20,13	10:02:22	SP	0.000	59972.000 [CPS]
4	Mar20,13	10:03:04	RES(16N)	0.000	4099.000 [CPS]
4	Mar20,13	10:03:04	RES(16N)	0.000	101673.000 [CPS]
5	Mar20,13	10:03:58	RES(64N)	0.000	3635.000 [CPS]
5	Mar20,13	10:03:58	RES(64N)	0.000	102980.000 [CPS]
6	Mar20,13	10:04:46	TEMP	40.300	80277.000 [CPS]
6	Mar20,13	10:04:46	TEMP	98.100	42660.000 [CPS]
7	Mar20,13	10:05:21	RES	0.000	8785.000 [CPS]
7	Mar20,13	10:05:21	RES	986.000	59505.000 [CPS]

THE ESCAPE
WELL TEST DATA SHEET

Date	Hour	Elapsed Time (Min)	Elapsed Time (Days)	t/r^2	Test Well		Observation Well 1	Observation Well 2
					Flow (gpm)	Depth (ft)	Depth (ft)	Depth (ft)
12-Apr	9:30	0	0	0	0	143	0	0
	10:00	30	0.0208	1.616E-07	32	188	0	0
	11:00	120	0.0833	6.466E-07	32	188	0	0
	12:00	180	0.1250	9.699E-07	32	188	1	0
	13:00	240	0.1667	1.293E-06	32	188	1	0
	14:00	300	0.2083	1.616E-06	33	189	2	0
	15:00	360	0.2500	1.940E-06	33	189	2	0
	16:00	420	0.2917	2.263E-06	33	189	2	0
	17:00	480	0.3333	2.586E-06	32	190	2	0
	18:00	540	0.3750	2.910E-06	32	190	2	0
	19:00	600	0.4167	3.233E-06	32	190	2	0
	20:00	660	0.4583	3.556E-06	32	187	4	1
	21:00	720	0.5000	3.880E-06	32	187	4	1
	22:00	780	0.5417	4.203E-06	32	187	4	1
23:00	840	0.5833	4.526E-06	32	187	4	1	
13-Apr	0:00	900	0.6250	4.849E-06	32	187	4	1
	1:00	960	0.6667	5.173E-06	32	188	5	1
	2:00	1020	0.7083	5.496E-06	32	188	5	1
	3:00	1080	0.7500	5.819E-06	32	188	5	1
	4:00	1140	0.7917	6.143E-06	32	188	5	1
	5:00	1200	0.8333	6.466E-06	32	190	5	1
	6:00	1260	0.8750	6.789E-06	32	191	5	1
	7:00	1320	0.9167	7.113E-06	32	192	6	1
	8:00	1380	0.9583	7.436E-06	32	192	5	1
	9:00	1440	1.0000	7.759E-06	32	192	5	1
	10:00	1500	1.0417	8.082E-06	32	192	4	1
	11:00	1560	1.0833	8.406E-06	32	192	4	1
	12:00	1620	1.1250	8.729E-06	32	192	4	1
	13:00	1680	1.1667	9.052E-06	32	192	4	1
	14:00	1740	1.2083	9.376E-06	32	192	4	1
	15:00	1800	1.2500	9.699E-06	32	192	4	1
	16:00	1860	1.2917	1.002E-05	32	192	4	1
	17:00	1920	1.3333	1.035E-05	32	192	4	1
18:00	1980	1.3750	1.067E-05	32	192	4	1	
19:00	2040	1.4167	1.099E-05	32	192	4	1	
20:00	2100	1.4583	1.132E-05	32	192	4	1	
21:00	2160	1.5000	1.164E-05	32	192	4	1	
22:00	2220	1.5417	1.196E-05	32	192	4	1	



SHEET 01 OF 01	NO.	REVISION	DATE	SCALE	1"=100'
				PROJECT #	17183
				DESIGNED	D.L.
				DRAWN	J.D.B./L.B.
	MADE BY: SUE ANN BOND CHECKED BY: SUE ANN BOND CHECK SCALE & ADJUST AS NECESSARY				
			CHECKED	D.L.	

HCI, LLC.
ESCAPE SUBMISION

THE ESCAPE GROUNDWATER STUDY



3408 CRAFT LAKE
 1408 S.W. 74TH ST.
 FT. WORTH, TX 76104
 817-352-1873
 1100 SANTA FE DR. #113-740
 HEATH'S FORD, TX 76024
 817-816-4430
 (17183-0322)

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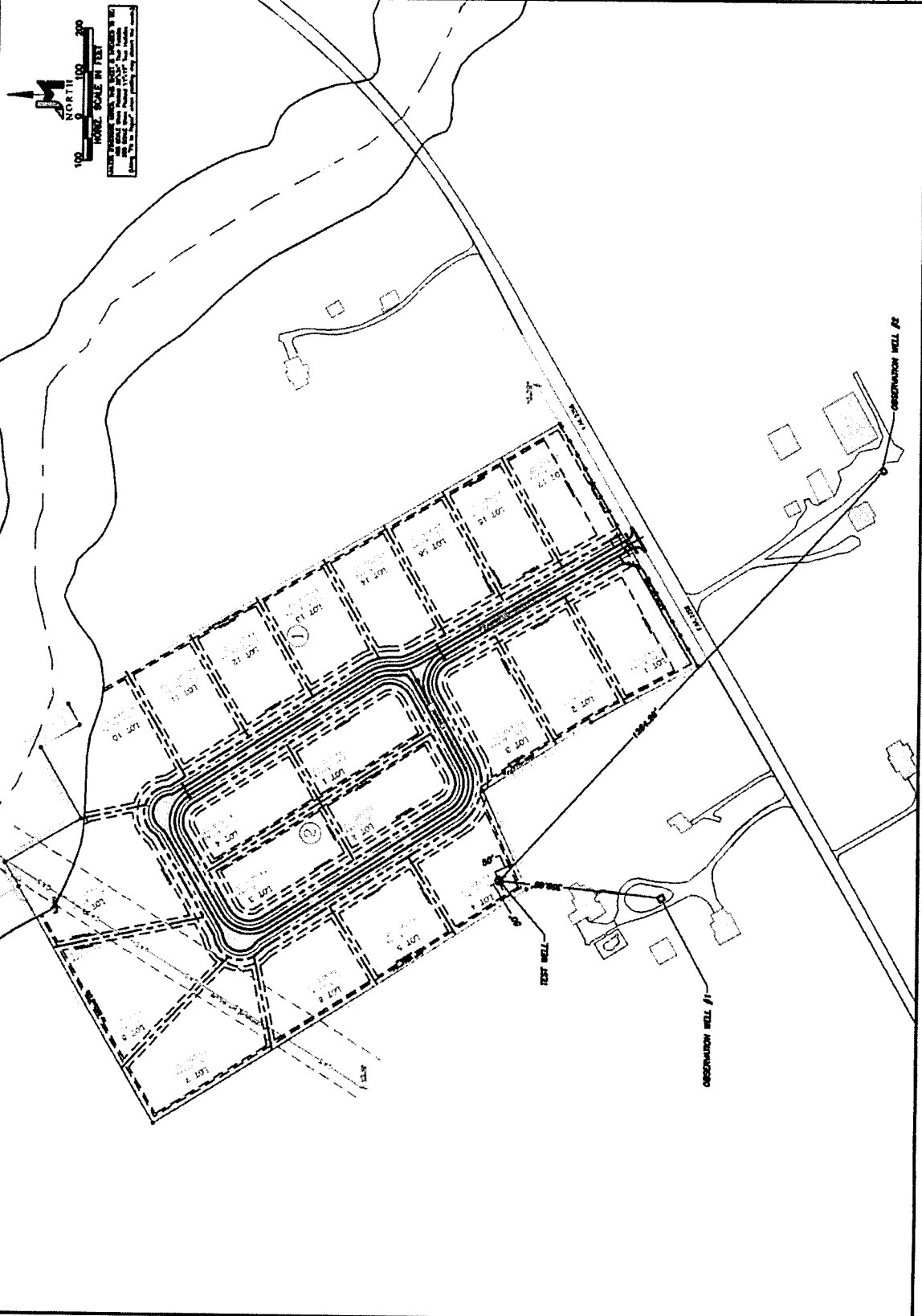
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2481 CLARK LANE
 ARLINGTON, VA 22204
 703-900-1000
 JACOBS
 1520 PARKS FZ DR, #1100
 FORT BELLEVILLE, IL 62239
 618-341-4000
 JACOBS MARTIN



THE ESCAPE GROUNDWATER STUDY
 ESCAPE SUBDIVISION
 HCL, LLC.

DATE	10/10/13
BY	JAC
PROJECT	ESCAPE SUBDIVISION
SCALE	1" = 100'
SHEET	10
TOTAL SHEETS	10



PROJECT BY: HCL AND BOND
 DATE: 10/10/13
 THE ESCAPE DEVELOPMENT, PRELIMINARY FINAL ESCAPE GROUND WATER STUDY