SANTA ROSA COUNTY
ENGINEERING DEPARTMENT
6051 Old Bagdad Highway, Suite 300 | Milton, Florida 32583

ROGER BLAYLOCK, P.E.
County Engineer
rogerb@santarosa.fl.gov

MEMORANDUM

TO: Roger A. Blaylock, P.E., County Engineer

FROM: Marc Bonifay, P.E., Project Engineer MB

DATE: April 5, 2016

RE: Martinique Place

DISCUSSION

Discussion of Southern Site & Utility Design, Inc. request for a variance to allow low pressure sewer in Martinique Place.

BACKGROUND

The specific requirements for low pressure sewer (as discussed in the 8/24/06 BOCC Meeting) are as follows:

Minimum criteria for a low pressure system:

1. All components of the system crossing pubic rights-of-way are buried at least 48 inches below finished grade.
2. The main line is contained within a Utility Easement on the lots.
3. All lines (main lines and laterals) that cross public rights-of-way to be sleeved and have a tracer wire.
4. Disclosure is required to homeowners that grinder pumps do not work when electricity is off due to storm or other causes.
5. Very specific topographic constraints be present that would cause the most practical gravity sewer design to have significant (20 feet or more) finished sewer manhole and line depths.

Items 1 through 4 will be met. Item 5 is the reason for the variance.

ACTION TO BE CONSIDERED

Board approve or deny a variance for low pressure sewer for Martinique Place.

6555 Caroline Street
Milton, Florida 32570
Phone: (850) 623-9493
Fax: (850) 626-7889
Email: ssudpaul@gmail.com

Southern Site & Utility Design, Inc.

March 28, 2016

Santa Rosa County Engineering
Attn: Mr. Marc Bonifay, P.E.
6051 Old Bagdad Highway
Milton, FL 32583

Re: Request for Variance to Allow Low Pressure Force Main Sanitary Sewer System and Eliminate Turn Lane Requirement

Dear Mr. Bonifay:

Please find the following documentation to support this formal request for the Variance referenced above:

- 1 copy of the Existing Conditions Survey
- 1 copy of an Aerial Photo
- 1 copy of a Vicinity Map

Sanitary Sewer:

As shown on the existing conditions survey, this property slopes toward the North. There is over 20 feet of elevation difference between the North end of the project and Highway 98. The available sewer connection is within the Highway 98 right-of-way. This topography results in a unique and difficult situation pertaining to gravity sanitary sewer systems. A gravity system would contain extreme design measures possibly including very deep manholes and / or a complex pumping system.

South Santa Rosa Utilities owns, operates, and maintains the sewer system that is available for this project. This project and the unique circumstances have been discussed with the utility company and they are in favor of allowing a Low Pressure System. A letter from them is attached.

We would like to request that Santa Rosa County grant a variance to allow this project to utilize a Low Pressure Sewer System in lieu of a gravity system.

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MAR 28 2016
SRC ENGINEERING

Turn lane:

We would also like to request a variance to the turn lane requirement. This is such a small development with less than 30 lots, there is not a tremendous amount of traffic expected. Typically, Santa Rosa County requires turn lanes only for subdivisions with more than 50 lots. This development falls into a unique category since it is on a 4-lane roadway. Costs associated with construction of turn lanes are extreme and with so few lots, the cost effect per lot is greater than a larger development.

Sincerely,

Paul A. McLeod, Jr., P.E.
Project Manager

City of Gulf Breeze

March 28, 2016

RE: Martinique Place
Parcels:
24-2S-28-0000-02022-0000
24-2S-28-0000-02023-0000
24-2S-28-0000-02024-0000
24-2S-28-0000-02009-0000
24-2S-28-0000-02020-0000
24-2S-28-0000-02021-0000
24-2S-28-0000-02026-0000
24-2S-28-0000-02025-0000
24-2S-28-0000-02202-0000

To Whom It May Concern;

Please be advised that low pressure sewer is available to the above referenced properties. We will accept the sewer system once completed to our standards and receipt of all appropriate fees as required.

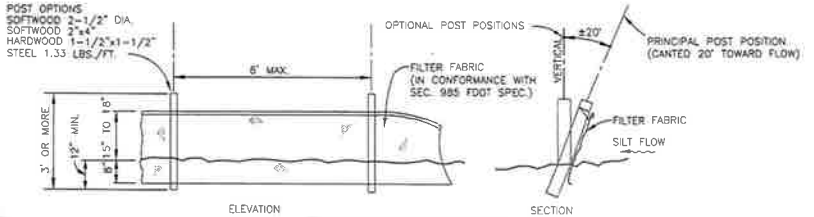
Please call 934-5110 if you have questions or need further information.

Sincerely,

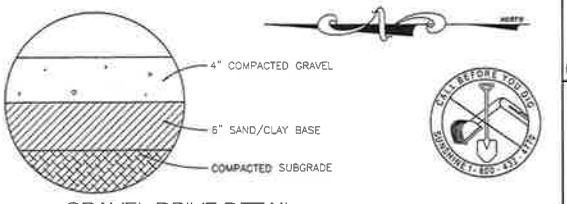
A Tyler

Ashley Tyler
City of Gulf Breeze

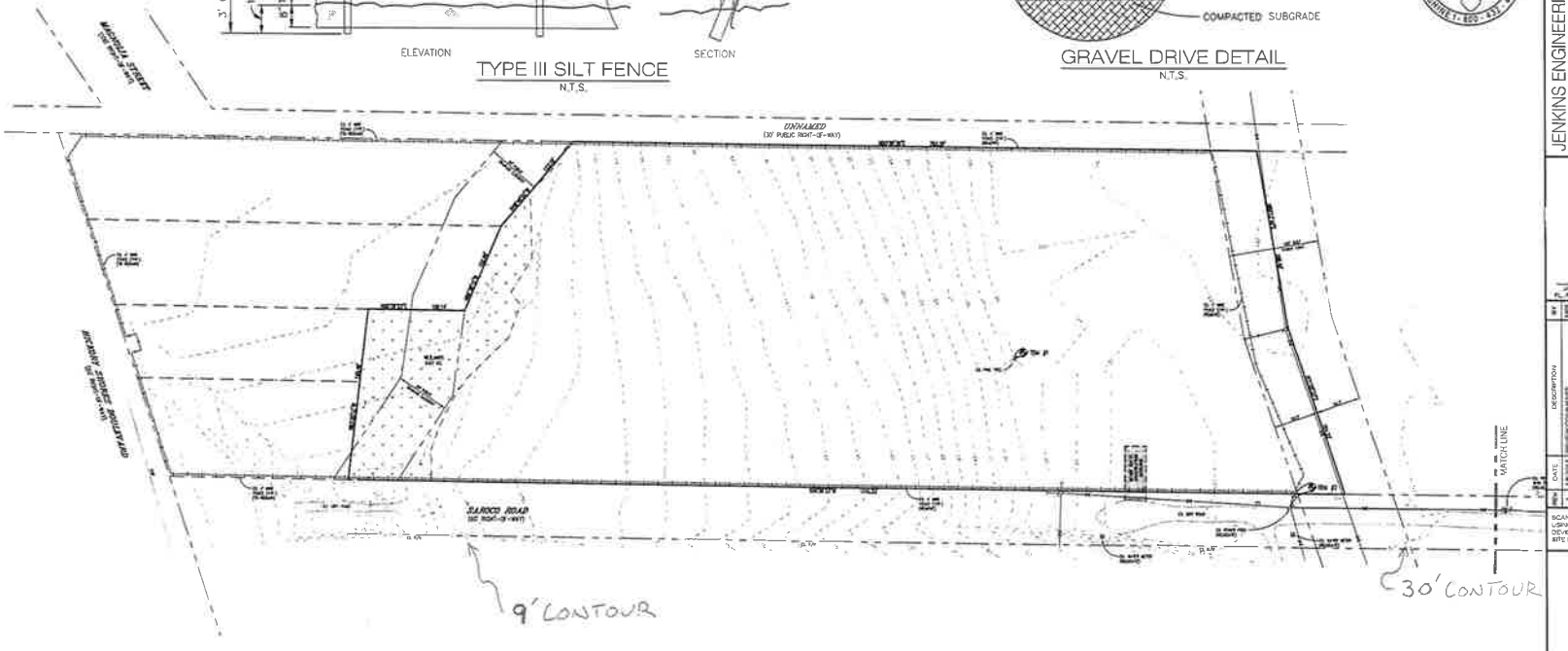
(850) 934-5100 • (850) 934-5114
P.O. BOX 640 • 1070 SHORELINE DRIVE • GULF BREEZE, FLORIDA 32562-0640

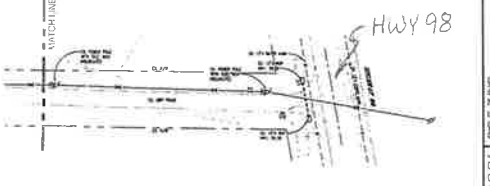


TYPE III SILT FENCE
N.T.S.



GRAVEL DRIVE DETAIL
N.T.S.





DEMOLITION NOTES

1. REMOVE PAVEMENT, BUILDINGS, BASE COURSE AND CURBING, IF APPLICABLE.
2. REMOVE EXISTING UTILITY SERVICES, COORDINATE WITH UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO COMMENCING WORK, IF APPLICABLE.
3. CONTRACTOR SHALL DISPOSE OF ALL DEBRIS OFF-SITE AND BE IN COMPLIANCE WITH FEDERAL, STATE AND COUNTY LAWS AND REGULATIONS.
4. CONTRACTOR SHALL RETAIN ALL SOIL EROSION SEDIMENTATION ON-SITE BY USING STAKED SILT FENCE.
5. THE EXISTING WATER SERVICES WITHIN THE PROPERTY MUST BE LOCATED, DISCONNECTED AND CAPPED AT THE MAIN LINE AND REMOVED FROM THE SITE, IF APPLICABLE.

BENCHMARKS

TBM#1
SET RAILROAD SPIKE IN WEST SIDE OF PINE TREE
ELEVATION = 29.76'

TBM#2
SET RAILROAD SPIKE IN EAST SIDE OF POWER POLE
ELEVATION = 30.66'

EASEMENT NOTE

THE EXISTING 60' DRAINAGE EASEMENT WAS RECORDED IN O.R. BOOK 2272, PAGES 1770-1774, O.R. BOOK 2261, PAGES 1785-1789 & O.R. BOOK 2273, PAGES 369-372. THE PORTION IN O.R. BOOK 2273, PAGES 369-372 STILL REMAINS IN ORIGINAL OWNER'S NAME AND IS TO BE VACATED.

FLOOD ZONE NOTE

THIS PARCEL APPEARS TO LIE IN FLOOD ZONE X (NO MINIMUM FLOOD ELEVATION REQUIRED) AS DETERMINED BY SCALE FROM FEMA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 120274 0544 G, DATED DECEMBER 19, 2006.

SURVEY NOTE

BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY KJM SURVEYING, INC., 4227 N. DAVIS HIGHWAY, BUILDING A, PHONE 850.438.0202

0 30' 60' 120' 180'

JENKINS ENGINEERING, INC.
1234 AIRPORT ROAD, SUITE 126
DESTIN, FLORIDA 32541
850.837.2448 - 850.837.2450 (FAX)
JEICIVIL.COM
CERTIFICATE OF AUTHORIZATION NO. 9927

JAMES E. SUBAVEK P.E.
FL. REGISTRATION NO. 71428

REV	DATE	DESCRIPTION	BY
1	8/8/2013	REVIEW COMMENTS	

SCAN QR CODE USING MOBILE DEVICE FOR THE SITE LOCATION

BIG E-Z INC.
MARTINIQUE PLACE
SANTA ROSA COUNTY, FLORIDA
EXISTING CONDITIONS

JOB: 13-23
DATE: 09/2013
DESIGNED: JSE
DRAWN: MPF

BAR IS ONE INCH ON ORIGINAL
0 1"
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
2 OF 15

SHEET NUMBER
C02

THIS DRAWING IS THE PROPERTY OF JENKINS ENGINEERING, INC. AND IS NOT TO BE REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT.