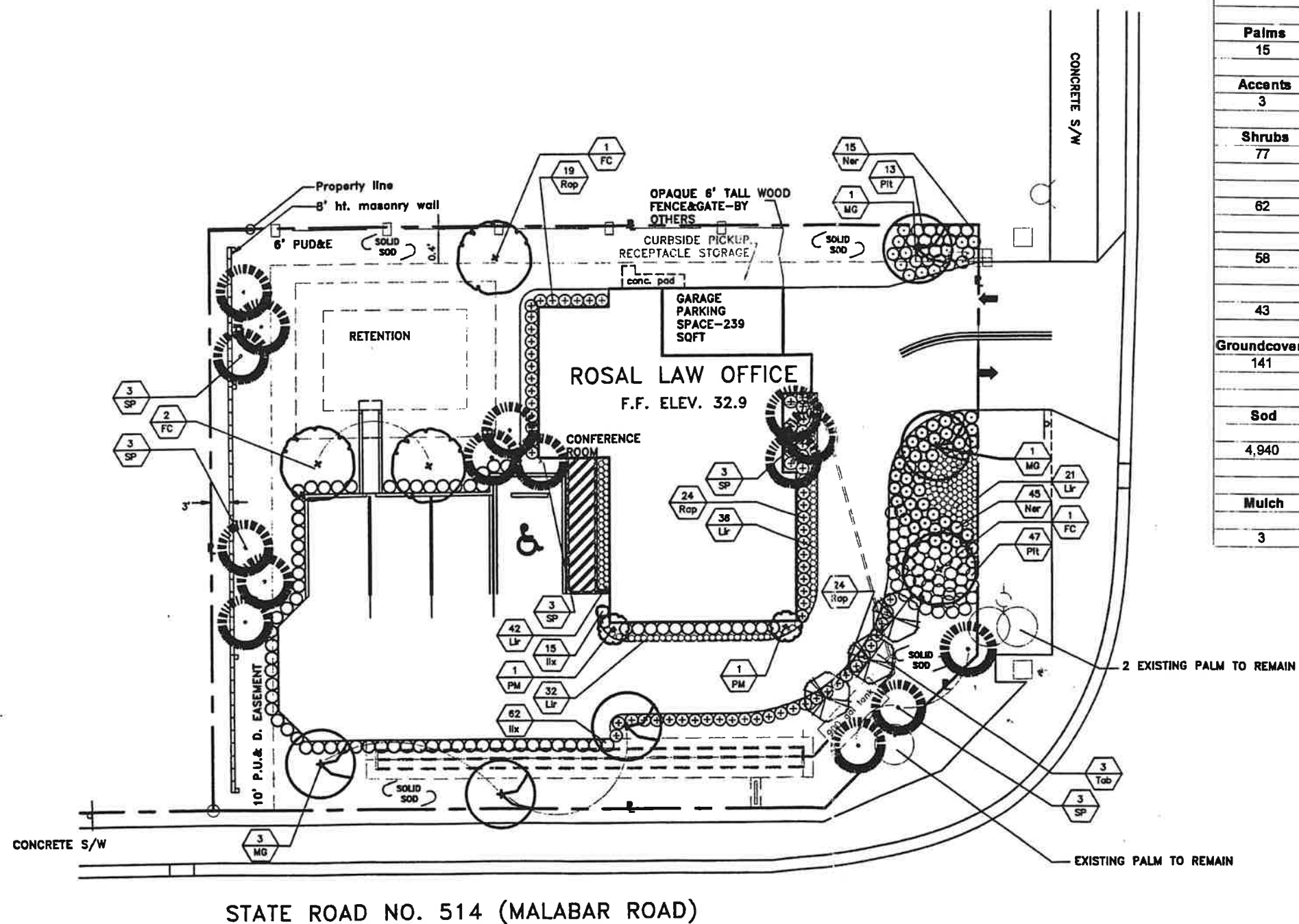




PLANT SCHEDULE				
QTY	SYM.	BOTANICAL NAME	COMMON NAME	SPECS
Trees				
4	FC	Ficus benjamina	Weeping Fig	12' Ht. x 5' Spr.
5	MG	Magnolia grandiflora	Southern Magnolia	12' Ht. x 5' Spr.
2	PM	Podocarpus macrophylla maki	Japanese Yew Tree	6' Ht. Spiral
Palms				
15	SP	Sabal palmetto	Sable Palm	10' O.A. Ht. booted
Accents				
3	TAB	Tabebuia heterophylla	Pink Tab	8' Ht. x 4' Spr.
Shrubs				
77	Ilx	Ilex vomitoria	Yaupon	20-24" x 18-22", 3 gal. 2' o.c.
62	Ner	Nerium oleander	Dwarf Petite Pink	18 x 15"
		'Petite Pink'	Oleander	3 gal. 2' o.c.
58	Pit	Pittosporum tobira	Japanese pittosporum	24" x 20" full 3 gal. 2'o.c.
43	Rap	Raphiolepis indica 'Majestic Beauty'	'Majestic Beauty' Hawthorne	24" x 24" 3 gal. 2' o.c.
Groundcovers				
141	Lir	Liriodendron muscari	Evergreen Giant	full 1 gal.
		'Evergreen Giant'	Liriope	2' o.c.
Sod				
4,940	S.F.	Stenotaphrum secundatum 'Floritam'	'Floritam' variety St. Augustine	
Mulch				
3	C.Y.	Shredded Cypress Bark Mulch		

Scale: 1" = 10'
Date: 2.18.05
Date Plotted: 2.18.05

Revisions:
Rvd per City Palm Bay 4.5.05

Campbell & Campbell
Associates, Inc.

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Phone: (321) 266-0016 Email: CampbellandCampbell@cfllr.com

Landscape Plan & Plant List

This Design and Drawing represents the work of Campbell & Campbell Associates, Inc. and is not to be reproduced, copied, or transmitted without written permission.

Registration:
Campbell & Campbell Associates, Inc.
P.E. Eng. L.A. 0001794

Sheet Number

L-1

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Project #: xx

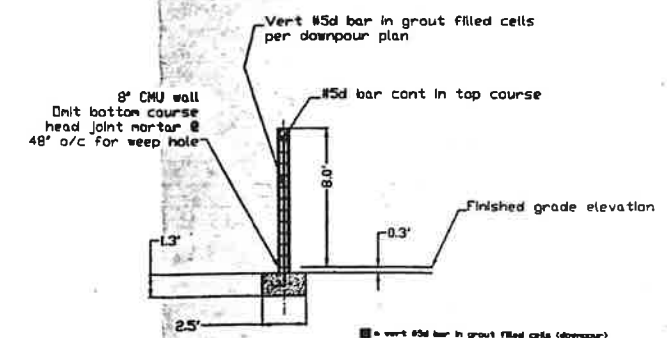
PROJECT NO.	04-321
SEC.	31 & 32
TWP.	28 S.
RNG.	7 E.

Rosal Law Office Septic System

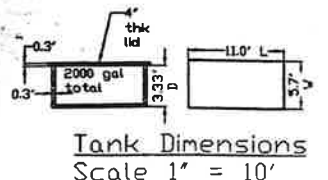
New drainfield, drain line, and tank

Septic System Sizing per F.A.C. 64E-6		
Area	GPD Use per 100 sqft	Gallons / Day
1886	15	282.9
Slightly limited soil absorption factor	0.7	Absorption bed area = 404 sqft
Note: existing soil does not meet the criteria for slightly limited soil. Must be replaced to 14" below the SGHW.		Absorption area provided = 468 sqft

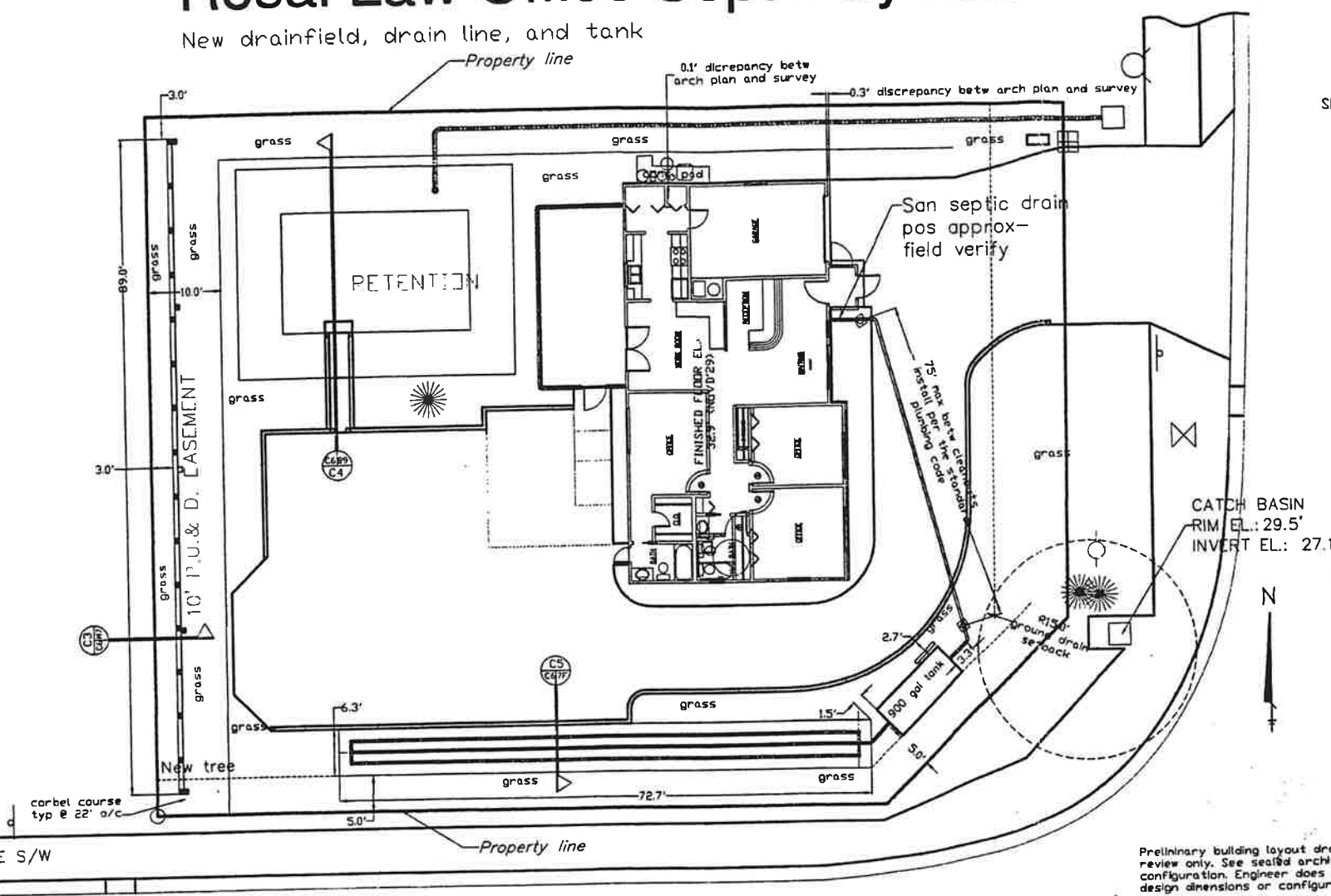
- Notes:
- The installation contractor shall verify all components and material comply with this plan and the requirements of F.A.C. 64E-6. F.A.C. 64E-6 minimum component requirements supersede less restrictive specifications on this plan.
 - The septic tank shall have separate compartments.
 - Gravel is approved drainfield aggregate material. Ref ASTM C33-86 and ASTM C330-87 / FDOT section 901) Not more than 3.75% of aggregate shall pass a #200 sieve. See F.A.C. 64E-6.014 5(c).
 - The septic tank outlet shall have a flow diverter.
 - A distribution box may be used in lieu of the solid pipe header shown.
 - All drainfield pipe is 4" diameter polyethylene. Ref ASTM F 405-97. Drainfield branches shall be perforated pipe, and headers shall be solid wall.
 - Sanitary sewerage transport pipe to and from the septic tank is smooth wall 4" Ø ASTM D3304-98 Type PSM PVC. All direction changes shall be with curved pipe or smooth wall 45° bend pipe fittings. PVC connections are all solvent weld fittings.
 - System maintenance consists of removal and replacement of gravel and soil below absorption bed. Undercut of soil below new parking apron is not required for a repair.
 - Builder to provide engineer of record deliverable septic tank dimensions prior to installation for final elevation and volume specifications.



Section C3-C3
Scale 1" = 10'



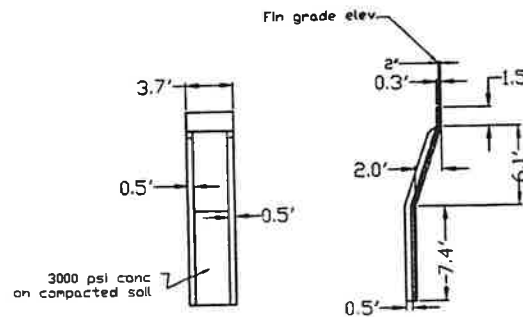
Tank Dimensions
Scale 1" = 10'



Preliminary building layout drawing for setic system review only. See sealed architectural design for final configuration. Engineer does not certify architectural design dimensions or configuration

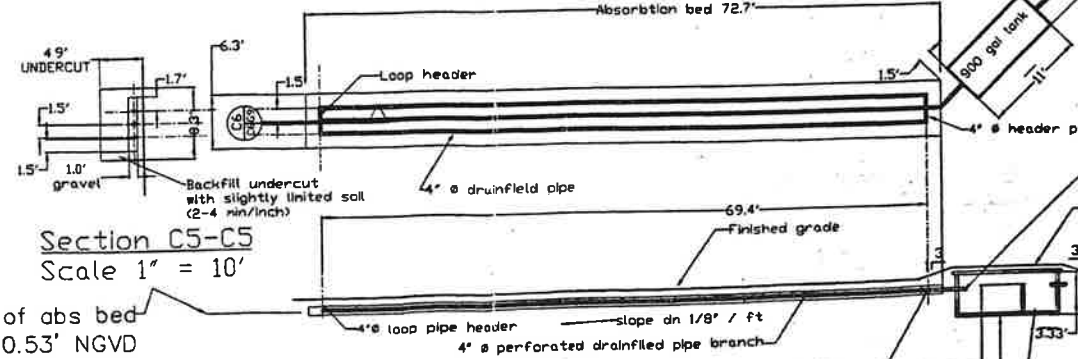
STATE ROAD NO. 514 (MALABAR ROAD)

Septic System Plan
scale 1" = 10'



TOP VIEW
WEIR & TROUGH W/
SPLASH PAD
- NTS -

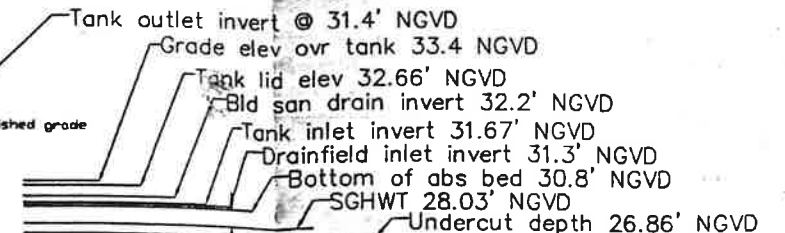
Section C4
WEIR & TROUGH W/
SPLASH PAD
- NTS -



Section C5-C5
Scale 1" = 10'

Invert of abs bed
loop hdr 30.53' NGVD

Section C6-C6
Tank shn rotated 45°
CW for section clarity
Scale 1" = 10'
(Elevations are NTS)



Date	Rel.	By	Notes
2/13/03	base	CPS	
8/1/03	A	CPS	city comments
5/27/05	B	CPS	drainfield elev adjust

Septic System
Site Layout

Design Sheet 6 of 9
Rosal Law Office Preliminary Site Layout
1490 Emerson Drive, Palm Bay, FL.

Charles S. Salmons
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Indian Harbour Beach
Florida 32937
(321) 771-1533
Engineer of Record for this project

C6