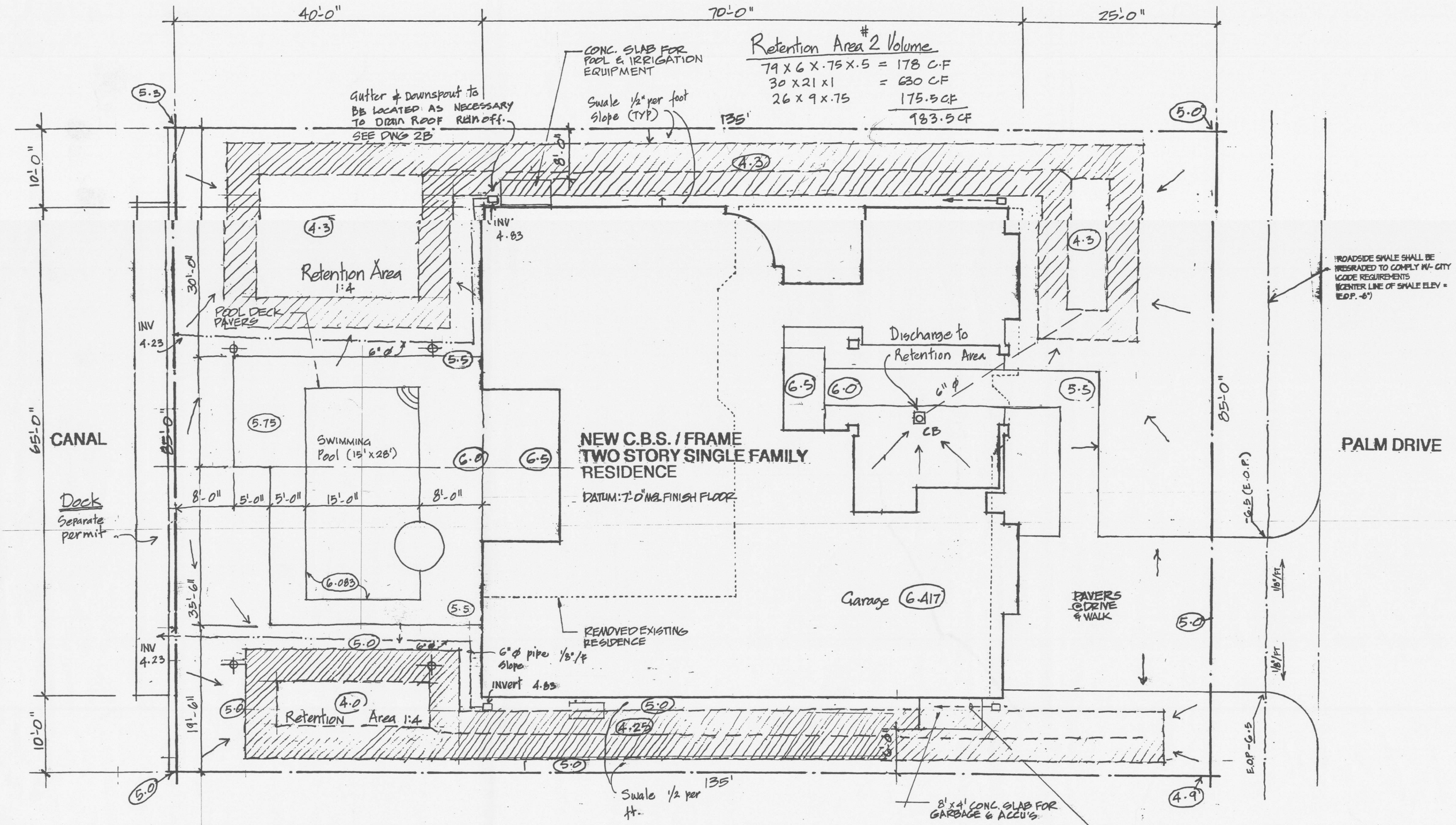


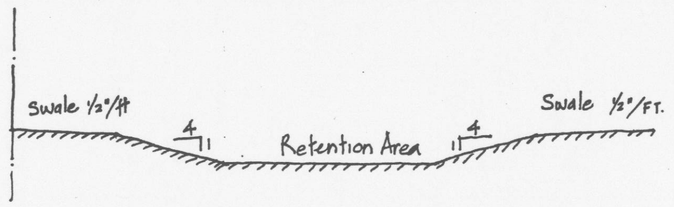
NOTE
PROVIDE ROOF DRAIN GUTTERS AND DOWNSPOUTS TO DISCHARGE ROOF RUNOFF WATER IN 6" ϕ PVC PIPE INTO EX CANAL

SITE DRAINAGE PLAN 1/8"=1'-0"

landscape	5737.5 ϕ	→ 50%
Driveway	540 ϕ	→ 4.7%
Pool & Deck	1013.5 ϕ	→ 8.8%
Patio & Porch	255 ϕ	→ 2.22%
Roof	3611 ϕ	→ 31.46%
Walkway	265 ϕ	→ 2.30%
Conc Slab	53 ϕ	

Retention Area #1 Volume

92 X 6 X .75 X .5 = 207 C.F
28 X 10 X 1 = 280 C.F
487 C.F



Cross Section thru Swale/ Retention Area. NTS

(1) Volume of Storage Required = 1318 C.F
(2) Volume of Storage Provided = 1470.5 C.F
(3) Average Elevation of Pervious Area = 5.16' NGVD

$A = 11475\ \phi \quad (85 \times 135)$

$AP = 5737.5\ \phi$

$S = \frac{AP}{A} \times S_1 =$

$= \frac{5737.5}{11475} \times 5.48$

$= S = 2.74$ inches

$R = \frac{(P - 0.2 \times S)^2}{(P + 0.8 \times S)} = \frac{(3.3 - 0.2 \times 2.74)^2}{3.3 + 0.8 \times 2.74}$

$= \frac{7.573}{5.492}$

$= R = 1.379$ inches

$V = A \times \frac{R}{12} = c.f$

$= \frac{11475 \times 1.379}{12} = 1318$ c.f.

NOTES
1. DEPTH OF APRON IS BASED ON SLOPE OF 1/2" PER FOOT OF WIDTH FROM EDGE OF STREET TO TOP OF DRIVEWAY WHEN INSTALLED
DEPTH OF GRASS SWALE IS BASED ON SLOPE OF 3/4" PER FOOT OF WIDTH FROM EDGE OF STREET TO TOP OF SOD WHEN INSTALLED
2. ALL CONCRETE MUST BE 3000 PSI WITH CONTROL JOINTS @ 20'-0" O/C.
3. DRIVEWAY MUST BE SLOPED TO DRAIN TO PERVIOUS AREA (GRASS) INSIDE PROPERTY AND NOT TO CITY RIGHT-OF-WAY.

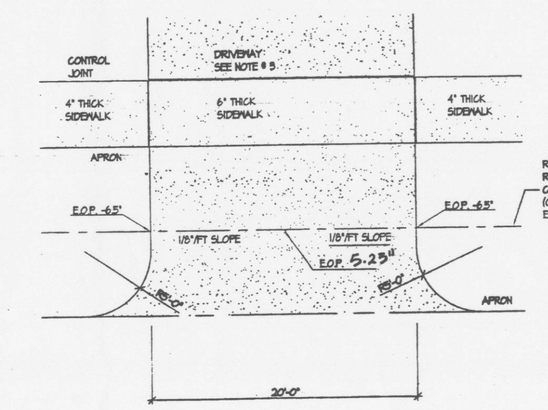
SIDEWALK
SIDEWALK SHALL BE CONC 4" THICK EXCEPT ACROSS DRIVEWAYS WHERE THERE WILL BE 6" THICK WITH 10x10 W6xW6 ROAD MESH (SEE NOTE # 1)

APRONS
APRONS SHALL BE 6" CONC WITH 10x10 W6xW6 WIRE MESH (SEE NOTE # 2) OR 6" COMPACTED ROAD WITH ROCK AND 1 1/2" ASPHALT SURFACE.

GRASS SWALES
UNDER ALL DRIVEWAY PERMIT, GRASS SWALE SHALL BE GRADED PER CITY SPECIFICATIONS AND SODDED (SEE NOTE # 1)

IF SOD AREA IS DEEMED INSUFFICIENT FOR STORM WATER CRITERIA AND LOCAL CONDITIONS, ADDITIONAL SUBSURFACE DRAINAGE SHALL BE PROVIDED (e.g. FRENCH DRAIN)

DRIVEWAY
MIN OF 4" CONC WITH 10x10 W6xW6 WIRE MESH (SEE NOTE #2) OR 1" ASPHALT OVER COMPACTED ROCK.



ROADSIDE SWALE SHALL BE REGRADED TO COMPLY W/ CITY CODE REQUIREMENTS (CENTER LINE OF SWALE ELEV = E.O.P. -6")

Davis Architecture Inc.
Certificate # AA0002990
PLANNING/INTERIOR DESIGN
3467 West Hillsboro Blvd
Deerfield Beach, FL 33442
Tel: 954.480.8582

REVISIONS	BY	DATE
Permit Comments	MF	03/02/02

RESIDENCE
636 PALM DRIVE
HALLENDALE, FL

Original

CHECKED BY	
DRAWN BY	
SCALE	1/8" = 1'-0"
JOB NUMBER	2256.01
DATE	10-31-01
DRAWING NO	2A

OF DRAWINGS