AF 53466

NOTE: THIS DRAWING IS TO BE USED ONLY FOR UNDERDRAINS.

SCALE: 1" = 30'

FLORIDA COASTAL CONSTRUCTION CONTROL LINE - 1978

LIMITS OF DUNE VEGETATION

12' EMERGENCY ACCESS / PAR COURS

660 L.F. SWALE

SITE CONTRACTOR TO MAKE CONNECTIONS TO BUILDING DRAINS

TIDAL BENCHMARK
TOP OF CONCRETE MONUMENT, EL. 5.75
(SEE WILLIAM F. BISHOP & ASSOCIATES, INC. SURVEY DATED 7/28/88)

BENCH MARK
LAG BOLT IN EAST SIDE OF PALM EL. 6.38

6' BASEMENT ACCESS

POOL & POOL DECK AREA GRADING PLAN BY OTHERS

PROPOSED SOUTH BUILDING
BASEMENT F.F. = 7.0
LOBBY F.F. = 18.83

FOR CONTINUATION SEE PLUMBING PLANS

4" CONDENSATE
4" ROOF DRAIN
4" FLOOR DRAIN
4" CONDENSATE

FACE OF LOBBY

FACE OF BASEMENT

SEE TYPICAL TRENCH DRAIN DETAILS

CURB TO TRANSITION DOWN TO FLOOR FOR EMERGENCY ACCESS (BOTH SIDES)

30 L.F. 8" PVC @ 6.2%

18 L.F. @ 2.0%

20 L.F. OF CURB TO BE FLUSH WITH PAVEMENT, TRANSITION ON EACH SIDE

CONNECT TO ROOF DRAIN (TYP.)

12" PVC (C-900)

30 L.F. 8" PVC @ 0.50%

SWALE 100 L.F. at 0.20%

EXIST. FPL CONDUIT

30 L.F. 8" PVC @ 11.7%

PROPERTY LINE

TENNIS COURTS

BENCH MARK
LAG BOLT IN EAST SIDE OF PALM EL. 5.17

PROPOSED SWITCH GEAR PAD (6.5' x 7.5')

GRADE TO DRAIN

SWALE 55 L.F. at 1.5%

SWALE 50 L.F. at 0.83%

6' PAR COURS

COVERED VIEWING STAND

TYPE "A" CURB TYPICAL

RETAINING WALL BY OTHERS

ENTRANCE WALL BY OTHERS

CONSTRUCTION EASEMENT

EXISTING BUILDING

CAR STOPS TYPICAL (ALL SPACES)

MENS FACILITY F.F. 8.0

WOMENS FACILITY F.F. 8.0

RETAINING WALL BY OTHERS

52 L.F. 4" PVC (C-900)

24" R.C.P.

18" R.C.P.

52 L.F. 4" PVC (C-900)

6" CONCRETE PAR COURS

FOR PROFILE OF THIS PIPE SEE (13)

UNDERGROUND CABLE TELEVISION

UNDERGROUND TELEPHONE CABLES

UNDERGROUND GAS LINE

EXISTING PAVEMENT

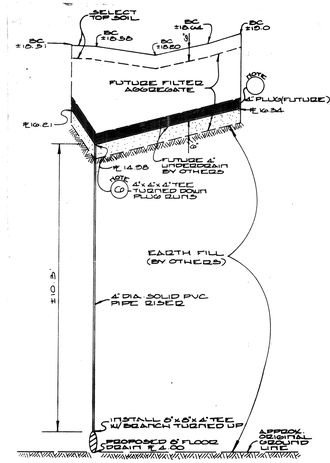
8' CONCRETE BIKE PATH

PROPOSED 20' WIDE DRAINAGE EASEMENT

LONGBOAT

ENDWALL SEE (11)

EXISTING LAKE



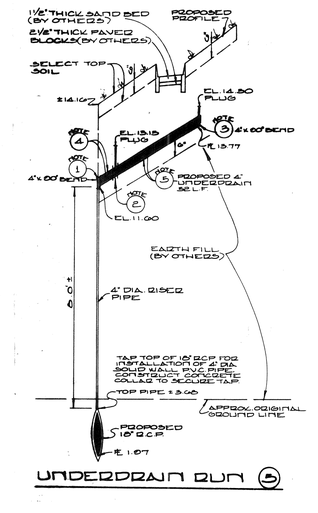
UNDERDRAIN RUN (6)

The following descriptions are for underdrain piping and shall include: variable lengths of slotted polyethylene corrugated pipe - ASTM F-405-77 or ASSHTO M-252 wrapped with spung bonded synthetic fabric factory installed equal to typar (dupont) style 3401, minimum slot area to be 1"/ft of pipe. Filter aggregate, excavation, backfill, labor and machinery as per detail.

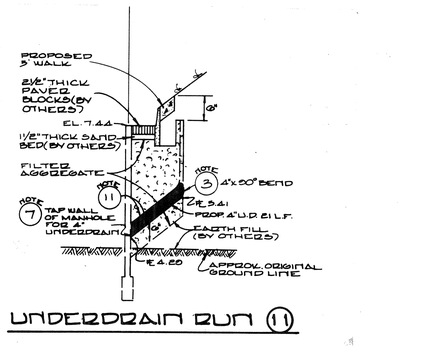
NOTE

1. Furnish and install 4" X 90° bend turned down, tap top of 18" RCP, install 4" solid pipe between wall of 18" RCP and 4" X 90° bend, seal 4" pipe to RCP.
2. Furnish and install 4" X 4" X 4" tee with branch vertically (up) including solid 4" PVC vertical riser and cap ±2' below finish grade.
3. Furnish and install 4" X 90° bend turned vertically (up) with 4" diameter solid PVC and cap ±2' below finish grade.
4. 8 LF - 4" underdrain.
5. 45 LF - 4" underdrain.
6. Furnish and install 4" X 4" X 4" tee w/branch turned down, install 8" X 8" X 4" w/branch up onto 8" floor drain piping and install 4" solid pipe vertically between up branch tee and down branch tee.
7. Tap structure for receiving 4" underdrain, seal 4" underdrain to structure, approx 2 locations, 1 at Structure 6-A, 1 at Structure 4.
8. 10 LF - 4" underdrain.
9. 11 LB - 4" underdrain.

NOTE: USE DETAIL 'TYPE A' UNDERDRAIN WHERE INSTALLATION IS UNDER PAVEMENT. USE DETAIL 'TYPE B' UNDERDRAIN WHERE INSTALLATION IS UNDER GRASSED AREAS.



UNDERDRAIN RUN (5)

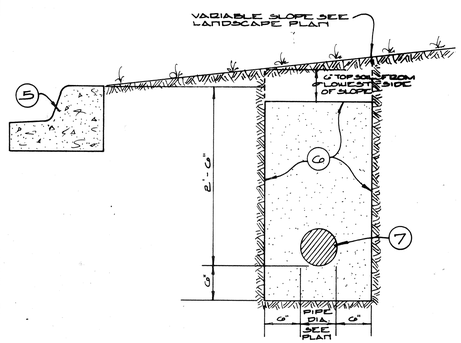


UNDERDRAIN RUN (11)

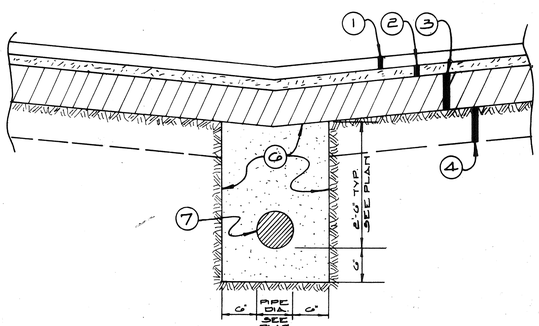
(1) 2 1/2" thick heavy duty special paver block, 8,000 PSI rating required. Shape, size, style and manufacturer as approved by the owner.
(2) 1 1/2" thick sand setting bed.
(3) 6" min. thick soil cement base, using 6" min. thick pit shell. Material shall be compacted to 98% max. density by AASHTO Method T-99 (standard). Approved plant mix may be used in lieu of site mix.
(4) 6" min. thick compacted subbase to 98% max. density by AASHTO Method T-180 (modified) for the full 6" thickness.
(5) Type "A" curb.
(6) Filter aggregate: the filter aggregate should have grain size distribution meeting the following gradation:

Sieve Size	% Passing (By Weight)
3/8"	90 to 100
#4	60 to 100
#10	20 to 80
#20	10 to 50
#100	0 to 10
#200	0 to 5

(7) Underdrain piping: Slotted polyethylene corrugated pipe - ASTM F-405-77 or AASHTO M-252 wrapped with spun bonded synthetic fabric factory installed equal to typar (dupont) style 3401. Minimum slot area to be 1"/ft. pipe.



TYPE 'B' UNDERDRAIN DETAIL



TYPE 'A' UNDERDRAIN DETAIL
SCALE: 1"=1'-0"

LTR.	DATE	REVISION	BY:
4	7-28-88	ADD UNDERDRAIN DETAILS	MILLARD J. YODER, P.E. FLA. REGIST. NO. 35705

DESIGNED BY: HVC
DATE: 5-02
SCALE: AS SHOWN
DRAWN BY: TMO
CHECKED BY:
PROJECT NO: 2591

SARASOTA, FLA. 33582
133 SOUTH McINTOSH RD.
CONSULTING ENGINEERS & SURVEYORS

FOR: YALE PROPERTIES
L'AMBIANCE
UNDERDRAIN PLAN

DRAWING NUMBER: 20
REVISION

SMALLY, WELLFORD & NALVEN, Inc.
INDEX NO 2-2591-036

L'AMBIANCE