943261 (1)

SUMTER COUNTY
SOLID WASTE MANAGEMENT FACILITY
EXPANSION
FOR THE
BOARD OF COUNTY COMMISSIONERS,
SUMTER COUNTY, FLORIDA

Board of County Commissioners
Sumter County, Florida

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District 5

BILLY "TINY" RUTTER
VICE CHAIRMAN
District 3

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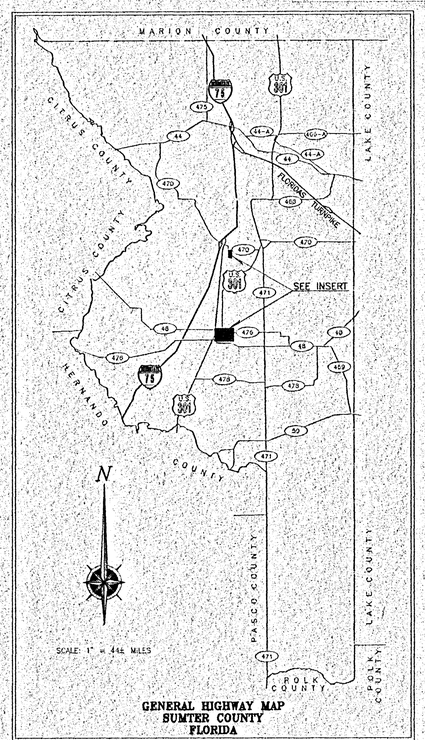
COUNTY ADMINISTRATOR

GARRY BREEDEN
DIRECTOR OF PUBLIC WORKS

TOMMY HURST
ASST. DIRECTOR OF PUBLIC WORKS



GENERAL HIGHWAY MAP
SUMTER COUNTY
FLORIDA

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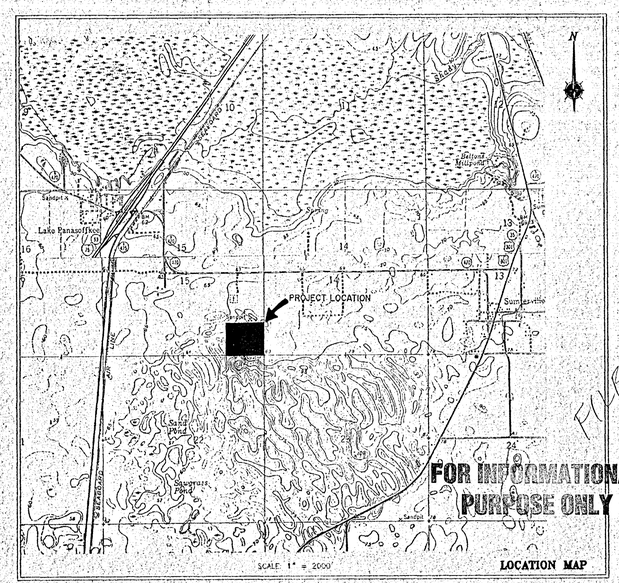
DESCRIPTION	SHEET
COVER SHEET	1
PRE-DEVELOPMENT DRAINAGE	2
MASTER DRAINAGE PLAN	3
WRA SECTIONS/DETAILS	4
AERIAL	5



LOCATION MAP

FOR INFORMATIONAL PURPOSE ONLY

REV. BY:	DESCRIPTION	DATE: DRAWN

SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS
SOLID WASTE MANAGEMENT FACILITY EXPANSION
COVER SHEET
1 of 5

CLIENT:
PROJECT:
DRAWING:

D.E.P.
MAY 12 1995
SOUTHWEST DISTRICT
TAMPA

Springstead Engineering, inc.

Consulting Engineers
Planners
Surveyors

727 South 14th Street
Leesburg, Fl. 32749
(904) 787-1414

SCALE:	FILE:	DATE:
1" = 10'	N-COVER	12/15/94
DESIGN:	DRAWN:	CHECKED:
JM	JK	CMB

DRAWING: COVER SHEET

CLIENT: SCBCC

JOB NO.:	SHEET: 1
921100.003	OF: 5

MAY 10 1995 Stormwater

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E:\ACAD12\DWGS\921170\N-COVER2 r=1 Dec 16 08:42:24 1994 >>> LaR >>>

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C:\ACAD12\DWGS\921100\SITES\DRA-POST Thu Dec 15 21:56:41 1994 >>> RLF >>>

(2)

PROJECT BOUNDARY

DRAINAGE BOUNDARY

WRA #1
TOP 320'X20' 0.14AC
BOTTOM 304'X4' 0.06AC
MAX VOL 0.18 AC-FT
20' MAINTENANCE ACCESS

WRA #2
TOP 280'X20' 0.13AC
BOTTOM 268'X8' 0.12AC
MAX VOL 0.33 AC-FT

WRA #3
TOP 450'X20' 0.20 AC
BOTTOM 438'X8' 0.08AC
MAX VOL 0.31 AC-FT

WRA #4
TOP 650'X20' 0.30 AC
BOTTOM 638'X8' 0.12 AC
MAX VOL 0.81 AC-FT

WRA #5
MAX VOL 0.7475 AC-FT
TOP 900'X20' 0.41AC
BOTTOM 880'X8' 0.23AC
SIDE SLOPE 4:1

WRA #6
MAX VOL 3.7475 AC-FT

PROPOSED SEPTIC TANK & DRAINFIELD

RIDGE LINE

SHEET FLOW ROOF

SHEET FLOW

ROOF GUTTER & DOWNSPOUT SYSTEM

SWALE

740 FT

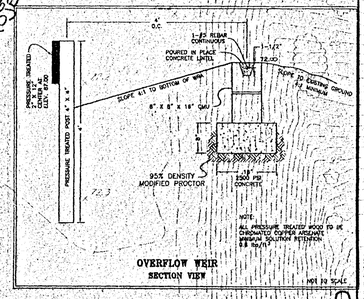
CONCRETE SPILLWAY (OVERFLOW FLUME)

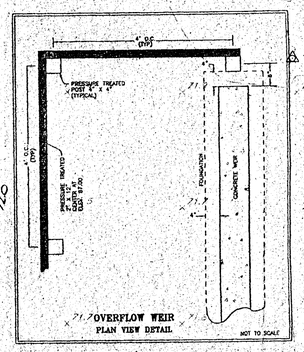
D.O.T. TYPE C INLET BOX
TOP 72.0
D.F.W. 71.0
INV. 68.3

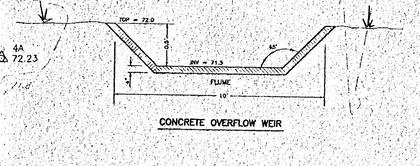
MES INV. 69.5

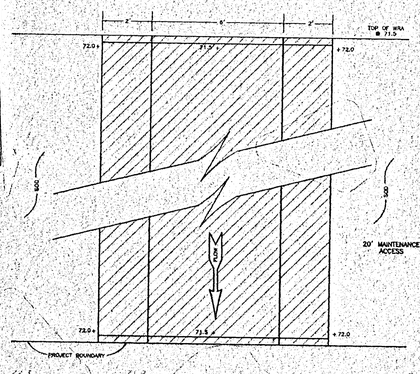
5' P.U.E.

20' MAINTENANCE ACCESS









DRAINAGE NOTES:

1. STORMWATER DISCHARGE WILL NOT DISCHARGE DIRECTLY (OR INDIRECTLY) INTO A FLORIDA STATE SURFACE WATER BODY.
2. THIS PROJECT DOES NOT ADJOIN OR IS NOT IN ANY WETLANDS OR ANY OTHER CONSERVATION AREA.
3. NO SURFACE WATER BODIES EXIST ON THIS PROJECT.
4. NO OFFSITE RUNOFF OR INFLOW ON THIS PROJECT
5. WATER WILL BE SUPPLIED BY ON SITE WELL.
6. FIRE PROTECTION WILL BE PROVIDED BY LAKE PANASOFFKEE VOLUNTEER FIRE DEPARTMENT AND SUMTER COUNTY.
7. THIS PROJECT WILL BE SERVICED BY SUMTER ELECTRIC CO-OPERATIVE.
8. EXISTING ZONING - GOVERNMENT
9. STORMWATER MAINTENANCE WILL BE PROVIDED BY SUMTER COUNTY PUBLIC WORKS.

STORAGE VOLUME:

TOTAL STORAGE VOLUME HELD:

WRA #	VOLUME C.F.	VOLUME AC-FT
1	8159.2	0.1835
2	14415.8	0.3309
3	9376.6	0.2153
4	13575.9	0.3117
5	10426.4	0.2394
6	163240.8	3.7475
TOTAL =	219194.7	5.0282

TOTAL STORAGE VOLUME REQUIRED:

PEAK ATTINUATION =	4.82	AC-FT	209966.5 C.F.
EXCESS STORAGE VOLUME =	0.2061	AC-FT	9228.2 C.F.

STORMWATER MANAGEMENT PLAN

FOR INFORMATIONAL PURPOSE ONLY

N

1 inch = 40 ft.

REV. BY:	DESCRIPTION	DATE:	DRAWN
DLS	ADD CULVERTS, OVERFLOW PIPE TO LAKE #6	2/9/95	JM

CLIENT: SUMTER COUNTY BOARD OF COUNTY COMISSIONERS

PROJECT: SOLID WASTE MANAGEMENT FACILITY EXPANSION

DRAWING: MASTER DRAINAGE PLAN

2 of 5

Springstead Engineering, inc.

Consulting Engineers
Planners
Surveyors

727 South 14th Street
Leesburg, Fl. 34748
(904) 787-1414

SCALE:	FILE:	DATE:
1" = 40'	DRA-POST	12/13/94
DESIGN: J.M.	DRAWN: RLF	CHECKED:

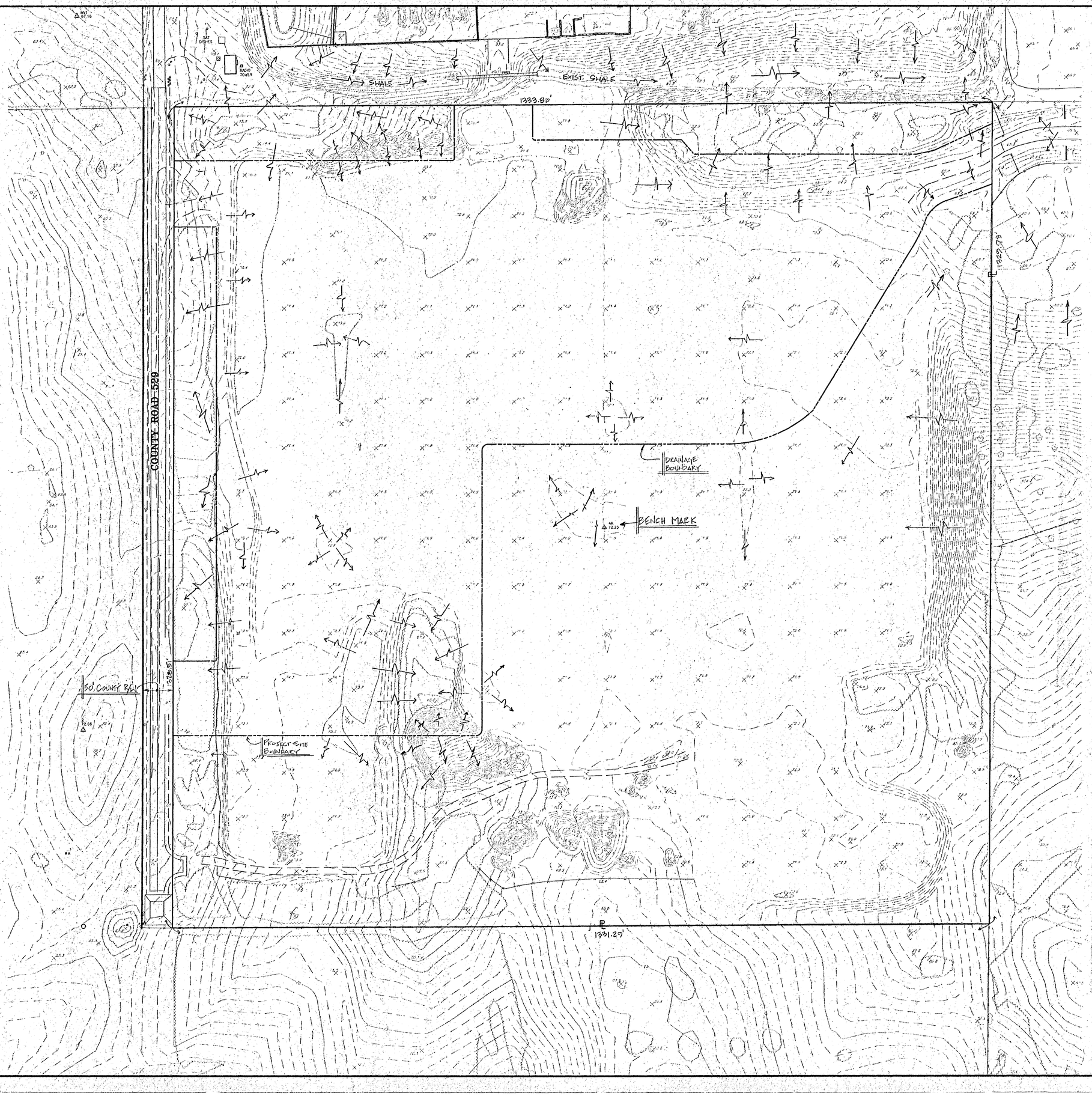
DRAWING: PROPOSED SITE PLAN

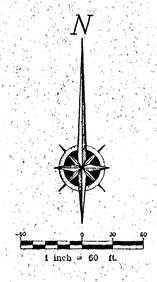
CLIENT: S.C.B.C.C.

JOB NO.: 921100.003

SHEET: 2. OF: 5.

MAY 10 1995





3

GENERAL NOTES

1. Existing Adjacent Land Use
   (A) South & East
   Industrial Lands
   Grassland (undeveloped)
   Property owned 400 Ac±
   CB & Lucy McLeod

   (B) West
   CR 529 - Sumter County

   (C) North
   Landfill - Sumter County

2. Flood Plain Data:

   This project is not in or adjacent to a flood plain.

3. Soil Data:
   (A) Land Cover Description

   Open Space w/grass cover 50%+

   (B) Soil Name
   Astatula & Apopka

   (C) Hydrologic Group A

   (D) See Soil Survey & Logs

LEGAL DESCRIPTION

NE 1/4 OF NE 1/4
TOWNSHIP 20S RANGE 22E
SECTION 22

LAND AREA

40.7 AC TOTAL PROPERTY AREA

17.0 AC PROJECT SITE AREA

OWNER

SUMTER COUNTY, FLORIDA
209 NORTH FLORIDA STREET
BUSHNELL, FLORIDA 33513

FOR REGULATORY PURPOSE ONLY

FLOW ARROW

DRAINAGE BOUNDARY

DRAWN	
DATE:	
DESCRIPTION	
REV. BY:	

CLIENT: SUMTER COUNTY BOARD OF COUNTY COMISSIONERS

PROJECT: SOLID WASTE MANAGEMENT FACILITY EXPANSION

DRAWING: PRE-DEVELOPMENT DRAINAGE

3 of 5

Springstead Engineering, inc.

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Surveyors

727 South 14th Street
Leesburg, Fl. 34748
(904) 787-1414

SCALE:	FILE:	DATE:
1" = 60'	PRE-DEV	12/15/94
DESIGN:	DRAWN:	CHECKED:
JM		

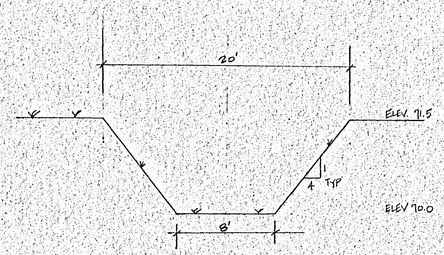
DRAWING: PRE-DEVELOPMENT DRAINAGE

CLIENT: S.C.B.C.C.

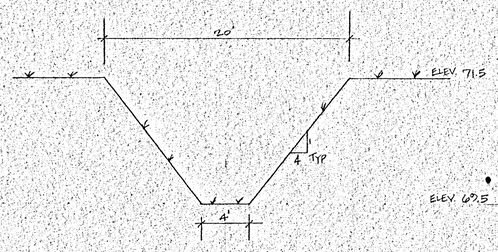
JOB NO.:	SHEET:
921100.003	OF:

MAY 10 1995

E:\MICRO15\DWGS\921270\PRE-DEV Thu Dec 15 21:56:46 1994 *** LGR ***



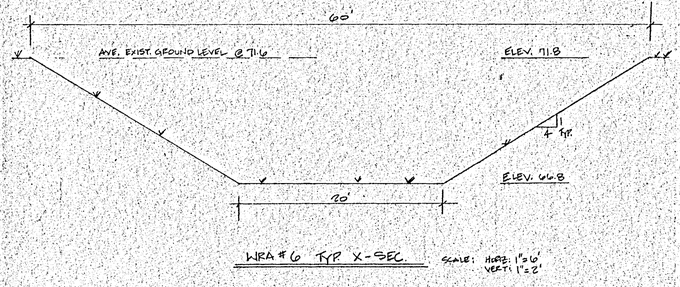
WRA'S # 2, 3, 4, & 5, TYP. X-SEC SCALE: HORIZ. 1"=5'
VERT. 1"=1'



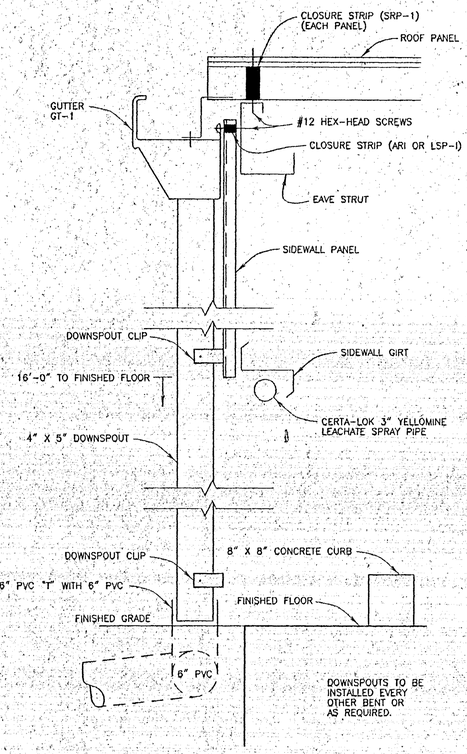
WRA #1 TYP X-SEC SCALE: HORIZ. 1"=5'
VERT. 1"=1'

DRAINAGE NOTES:

1. ALL WRA SIDE SLOPES TO BE SODDED, BOTTOMS TO BE SEEDED AND MULCHED.
2. ALL WRA SIDE SLOPES TO BE 4' HORIZ TO 1' VERT.
3. TURBIDITY BARRIERS TO BE PLACED IN AREAS OF OFF SITE SLOPES DURING CONSTRUCTION.
4. SEE GENERAL TESTING LABORATORY'S GEOHYDROLOGY REPORT DATED 12-15-93 FOR SOILS DATA AND SEASONAL HIGH GROUND WATER TABLE DETERMINATION.

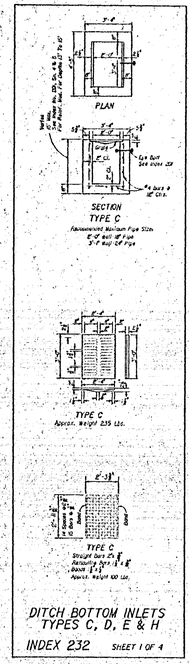


WRA # 6 TYP X-SEC SCALE: HORIZ. 1"=6'
VERT. 1"=2'

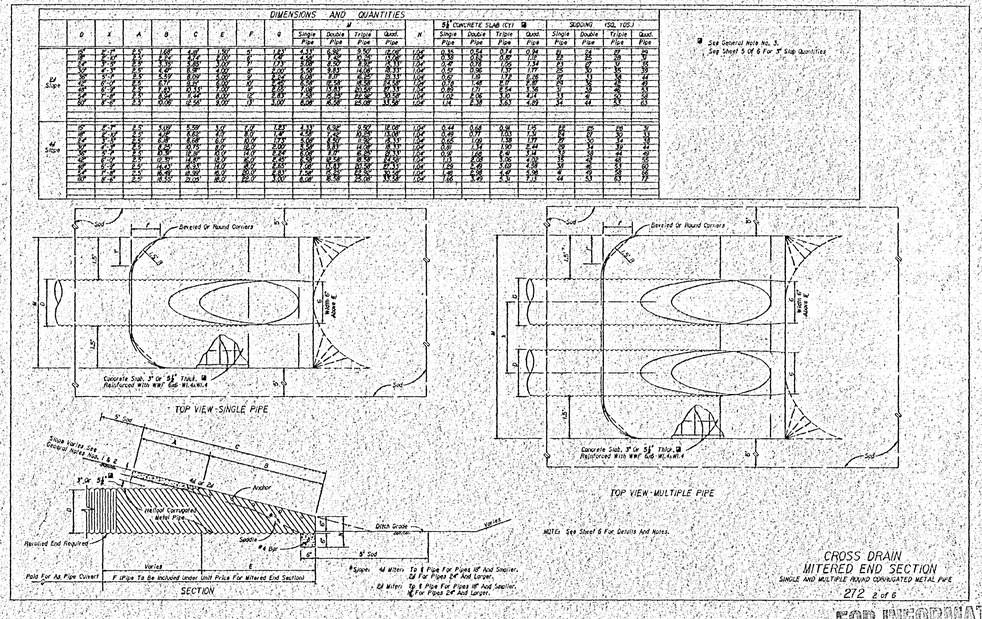


DOWNSPOUTS TO BE INSTALLED EVERY OTHER BENT OR AS REQUIRED.

DOWNSPOUT DETAIL (Typ.)
(OR AS REQUIRED)
not to scale



DITCH BOTTOM INLETS
TYPES C, D, E & H
INDEX 232 SHEET 1 OF 4



CROSS DRAIN
MITERED END SECTION
SINGLE AND MULTIPLE ROUND CORRUGATED METAL PIPE
272 2 of 6

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MAY 10 1995

DRAWN	DATE:	DESCRIPTION	REV. BY:

CLIENT: SUMTER COUNTY BOARD OF COUNTY COMISSIONERS

PROJECT: SOLID WASTE MANAGEMENT FACILITY EXPANSION

DRAWING: WATER RETENTION AREA DETAILS

4 of 15

Springstead Engineering, inc.

Consulting Engineers
Planners
Surveyors

727 South 14th Street
Leesburg, Fl. 34748
(904) 787-1414

SCALE:	FILE:	DATE:
AS SHOWN	WRA-DET	12/16/94
DESIGN:	DRAWN:	CHECKED:

DRAWING: W.R.A. DETAILS

CLIENT: S.C.B.C.C.

JOB NO.:	SHEET:
921100.003	4 OF 15

WRA-DET Fri Dec 16 02:45:46 1994 *** RLF ***

C:\ACAD12\DWGS\9217700\W-DET Thu Dec 15 10:13:58 1994 *** ABC ***

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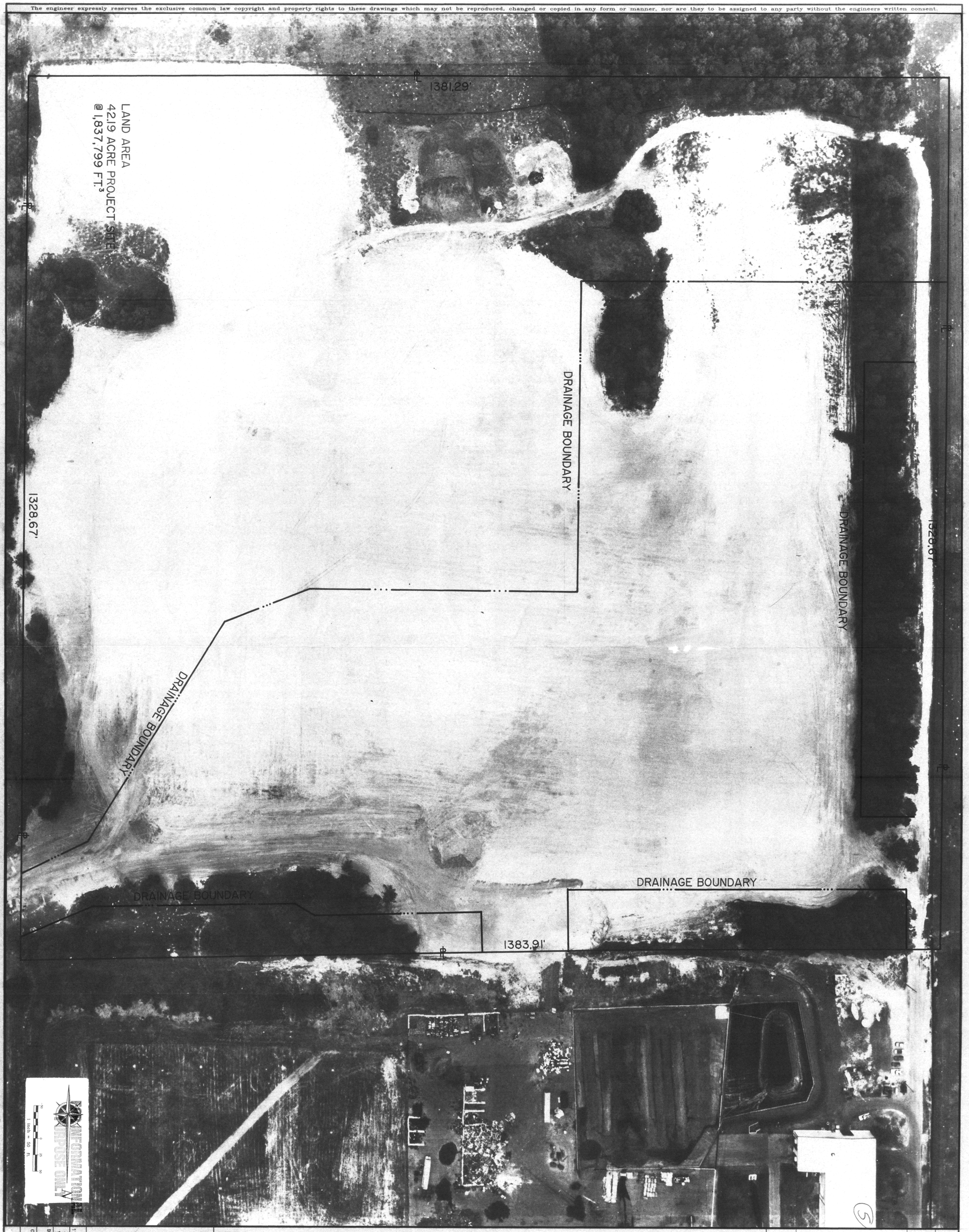

Springstead Engineering, inc.

Consulting Engineers
Planners
Surveyors

727 South 14th Street
Leesburg, FL 32748
(904) 787-1414

SCALE:	1" = 50'
DESIGN:	MWS
FILE:	N/A
DRAWN:	MWS
DATE:	12/14/94
CHECKED:	MWS
DRAWING:	AERIAL
CLIENT:	SCBCC
JOB NO.:	9211000.03
SHEET:	5
OF:	5

CLIENT: SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

PROJECT: SOLID WASTE MANAGEMENT FACILITY EXPANSION

DRAWING: AERIAL 5 OF 5

REV. BY:	DESCRIPTION	DATE:	DRAWN

MAY 10 1995