

CANAL #2
flow >>>

LEVEE 1
sta 61+90

3 pipes
remain
in ditch
line =>

Farm Road centerline-
(not on WRP)

LEGEND

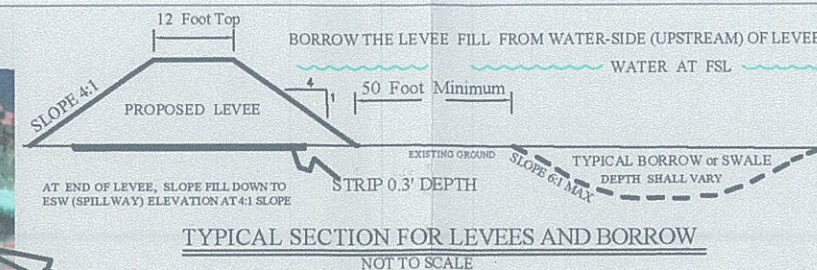
- proposed water control structure (STR)
- proposed Levee
- proposed ESW (spillway)
- proposed FSL (pool) waterline
- proposed meandering slough
- moist soil unit area in FSL

Contractor is responsible for contacting Arkansas One-Call 1-800-482-8998 to verify location of all utilities prior to beginning any work. Utilities are known to exist near public road R.O.W. and may exist elsewhere.



PLAN

HWY 8



BM 55.58' assumed
SE bridge corner on SW bolt
EL. 37.0' TOP OF 18" PIPE

UNIT 1

UNIT 2

LEVEE 2
sta 0+00

LEVEE 2
sta 30+75.0

LEVEE 3
sta 48+26'

LEVEE 3
sta 0+00'

NOTES

HABITAT ISLANDS ARE TO BE CONSTRUCTED RANDOMLY AS DIRECTED BY NRCS ENGINEER REP. AND PAID BY HOURLY RATE.

FINISHED LEVEE GRADES (and FILL DEPTH) TO BE 5% ABOVE PLAN AS OVERBUILD FOR SETTLING.

0.3' ALLOWANCE FOR STRIPPING INCLUDED IN YARDAGE ALLOWANCE. (AVG 30' WIDE UNDER LEVEE)

SUBSIDIARY ITEMS TO EARTHWORK:
-REMOVE 4 EXISTING RISERS w/PIPE;
-PREPARE SEEDBED & SEED LEVEE;
-CREATE Meandering Swale (use fill in levy) -WHERE RISER INLET (EL. "C") IS BELOW NATURAL-EXISTING GROUND, EXCAVATE A SHALLOW SWALE TO NEAREST BORROW AREA (use cut soil as levee fill).

Elev. and Acres Info

levee top el: U1=51.3',U2=51.8',U3=49.8'
ESW el.: U1=50.1',U2=50.6',U3=48.6'
FSL el.: U1=49.6',U2=50.1',U3=48.2'
pool acres: U1=93.9, U2=15.7, U3=46.2
above FSL: U1=105.7, U2=16.0, U3=53.8
total levee lengths = 14,091'

William Lassiter - WRP
contract# 66-7103-3-388
Sec 15, Tn 18S, R 3W

Cryier Rd#241 Hwy 8, Chicot Co., AR

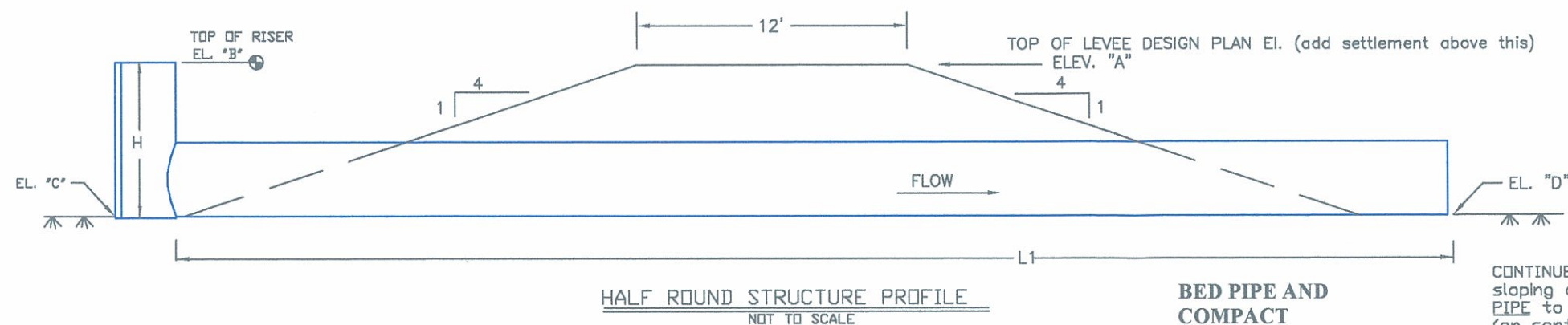
0.2' elevation contours, Trimble GPS survey
GeoModel= SearkGeod99conus
prjctn= LambertConformalConic2

W. Daugherty April 29, 2005
Designed
W. Daugherty April 29, 2005
Drawn
Checked
Approved

Lassiter WRP
PLAN



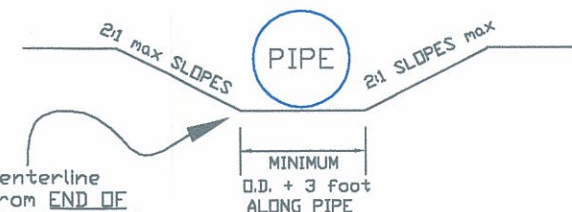
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Drawing No.
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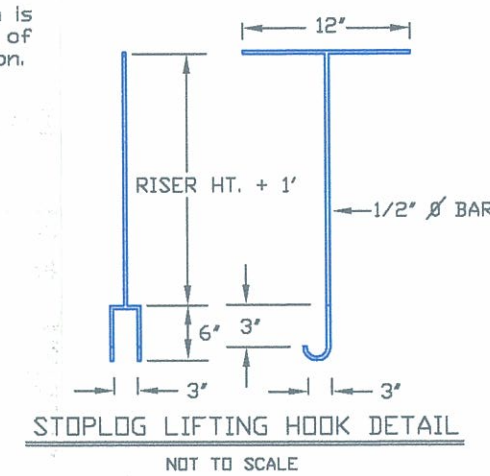
**BED PIPE AND
COMPACT
BACKFILL PER
NRCS SPEC'S**

CONTINUE DITCH centerline
sloping downhill from END OF
PIPE to the RECEIVING DITCH
(or continue to NATURAL
GROUND that is below pipe
invert elevation 'D')
- this ditch construction is
an absorbed item as part of
the riser & pipe installation.

**TYPICAL SECTION
PIPE INSTALLATION**

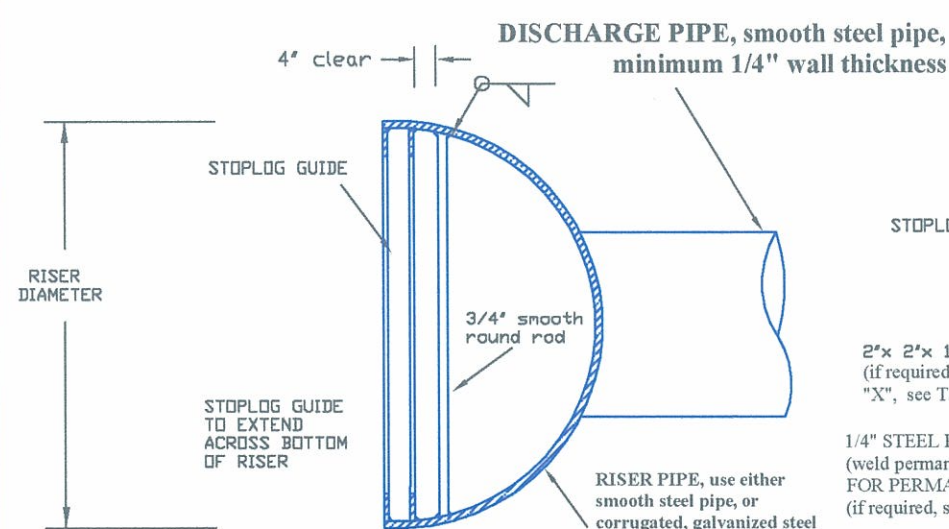


**PIPE INSTALLATION DETAIL
NOT TO SCALE.**

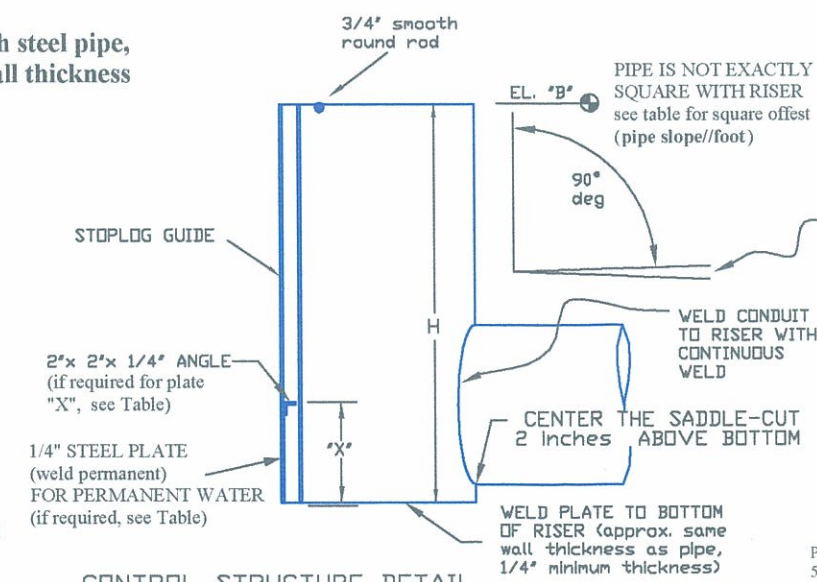


**STOPLOG LIFTING HOOK DETAIL
NOT TO SCALE**

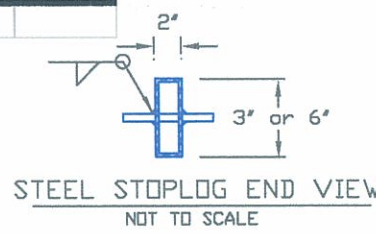
CONTROL STRUCTURE TABLE					DISCHARGE PIPE to be minimum 1/4" wall thickness.								
STRUCTURE and UNIT		Discharge PIPE	1/2 ROUND RISER	PIPE LENGTH "L1" (feet)	square offset	LEVEE TOP	Emergency Spillway (ESW) Elev	TOP OF RISER	RISER BOTTOM	OUTLET INVERT	RISER HEIGHT	number of	
					> 90 deg per 12"							STOPLOGS	3" ht
NUMBER	DIAMETER	DIAMETER	"L1" (feet)	per 12"	EL. "A"			EL. "B"	EL. "C"	EL. "D"	"H" (feet)	3" ht	6" ht
s1	u1	20"	42"	65	2 /16"	51.3	50.1	49.6	47.1	47.1	2.5	10	5
s2	u1	20"	36'	65	2 /16"	51.3	50.1	49.6	47.1	47.1	2.5	10	5
s3	u2	12"	21"	44	3 /16"	51.8	50.6	50.1	48.1	48.1	2.0	8	4
s4	u3	16"	42"	45	3 /16"	49.8	48.6	48.2	46.2	46.2	2.0	4	4
s5	u3	12"	24"	45	3 /16"	49.8	48.6	48.2	46.2	46.2	2.0	4	4



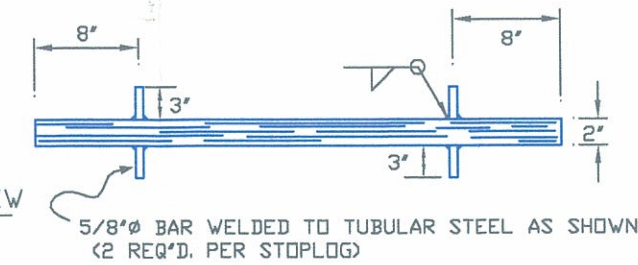
**TOP VIEW CONTROL STRUCTURE DETAIL
NOT TO SCALE**



**CONTROL STRUCTURE DETAIL
NOT TO SCALE**

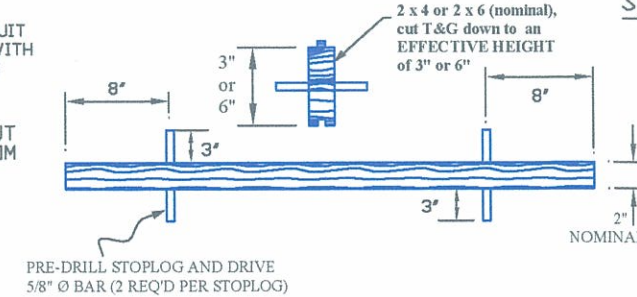


**STEEL STOPLOG END VIEW
NOT TO SCALE**



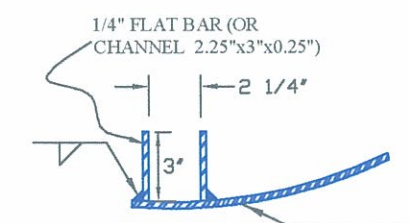
**NOTE: STOPLOGS TO BE FABRICATED FROM 3/16" TUBULAR STEEL
LENGTH OF STOPLOGS SHALL BE 1" LESS THAN DISTANCE
BETWEEN CHANNELS.**

**STEEL STOPLOG PLAN DETAIL
NOT TO SCALE**



**NOTE: WOODEN STOPLOGS TO BE TREATED T&G DIMENSION LUMBER
AND SHALL BE 1" LESS THAN DISTANCE BETWEEN CHANNELS**

**WOODEN STOPLOG DETAILS
NOT TO SCALE**



**NOTE: GUIDE TO EXTEND
ACROSS BOTTOM OF RISER**

**STOPLOG GUIDE DETAIL
NOT TO SCALE**

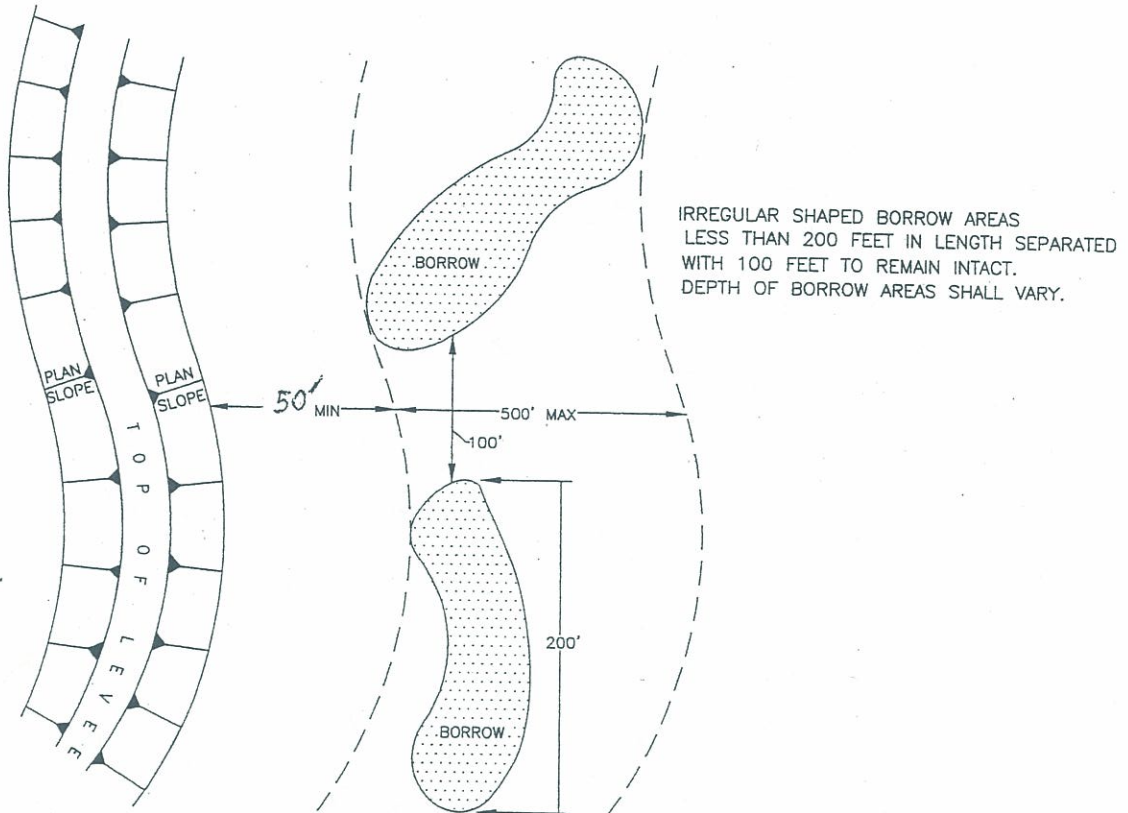
**If rectangular riser box is used instead of 1/2 round, make box front length equal to the
1/2 round size and make width equal to or greater than stated riser diameter. Same "H".**

Date
Designed W. Daugherty April 29, 2005
Drawn W. Daugherty April 29, 2005
Checked
Approved

**LASSITER WRP
- STRUCTURES**

USDA NRCS
Natural Resources Conservation Service

File No.
Drawing No.
66-7103-3-388
Sheet 2 of 3



PLAN VIEW FOR BORROW AREA
N.T.S.

LASSITER WRP BORROW AREAS



MANAGEMENT PLAN MAP

UNIT NO. 1
93.9 ACRES

OUT

UNIT NO. 2
15.7 ACRES

EASEMENT
BOUNDARY

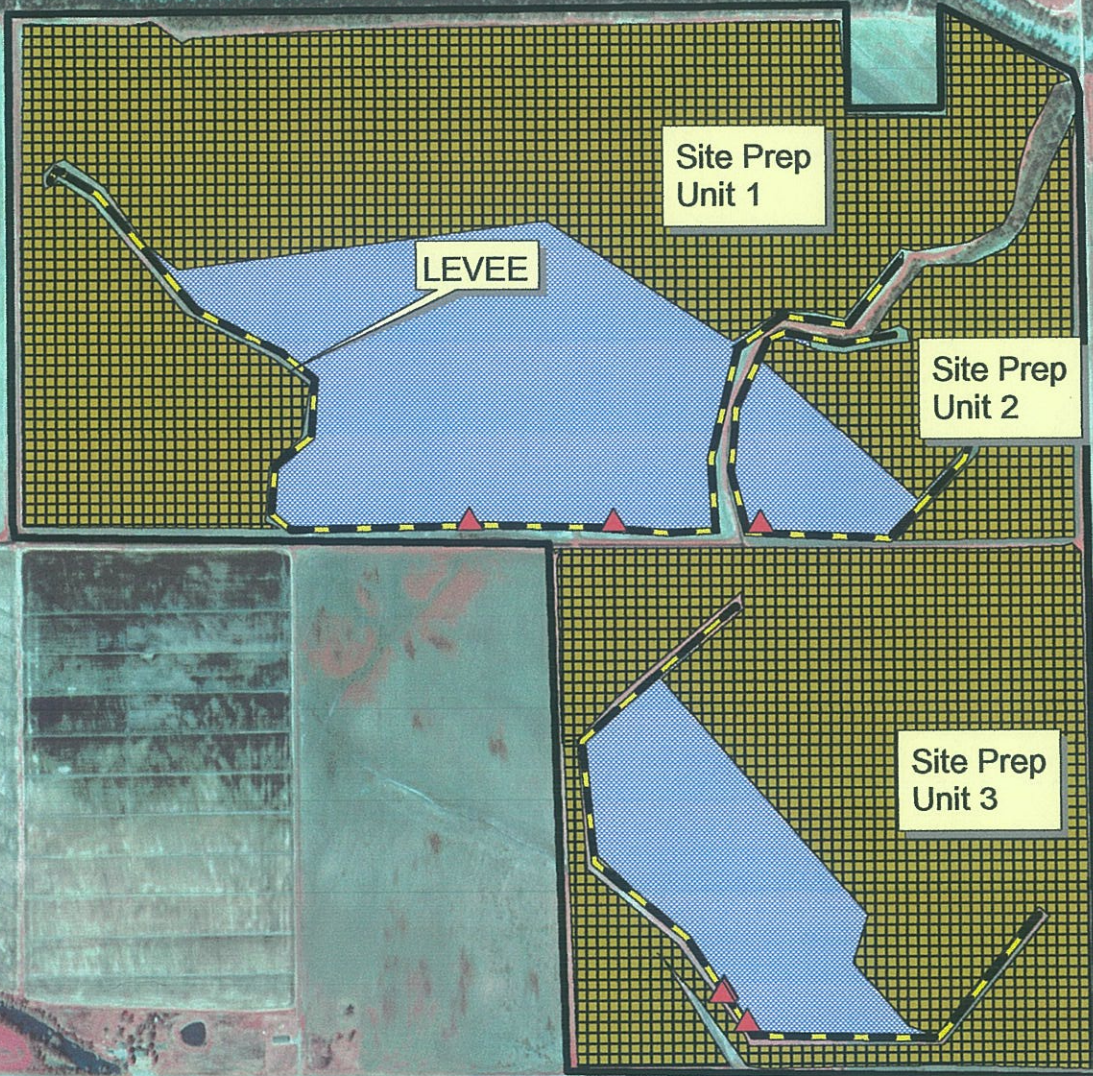
UNIT NO. 3
46.2 ACRES

- Boundary - lassiter.shp
- Roads - lassiter.shp
- Structure - lassiter.shp
- Levees - lassiter.shp
- Cypress - lassiter.shp
- Moist soil - lassiter.shp

LASSITER WRP
CHICOT CO., ARKANSAS
CONTRACT NO. 66-7103-3-0388

800 0 800 1600 Feet

SITE PREPERATION PLAN
LASSITER WRP - CHICOT CO., AR
CONTRACT NO. 66-7103-3-0388

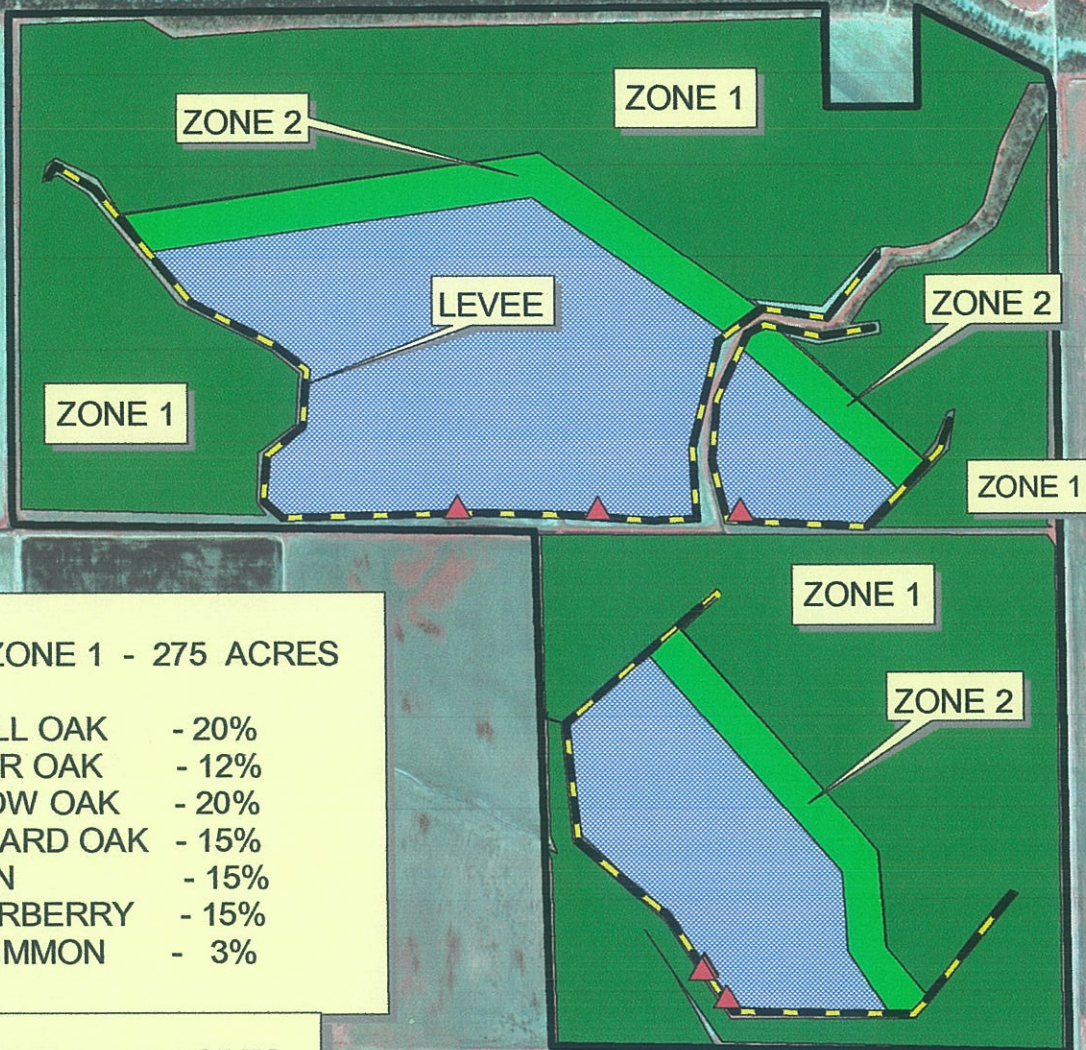


700 0 700 1400 Feet

SITE PREPERATION

BUSH HOG	307 ACRE
RIP	307 ACRE

TREE PLANTING PLAN
 LASSITER WRP - CHICOT CO., AR
 CONTRACT NO. 66-7103-3-0388



ZONE 1 - 275 ACRES

NUTTALL OAK	- 20%
WATER OAK	- 12%
WILLOW OAK	- 20%
SHUMARD OAK	- 15%
PECAN	- 15%
SUGARBERRY	- 15%
PERSIMMON	- 3%

ZONE 2 - 32 ACRES

CYPRESS - 100%

PLANTING SUMMARY - 307 AC

NUTTALL OAK	- 55 AC	- 16,610
WATER OAK	- 33 AC	- 9,966
WILLOW OAK	- 55 AC	- 16,610
SHUMARD OAK	- 41.25 AC	- 12,457.5
PECAN	- 41.25 AC	- 12,457.5
SUGARBERRY	- 41.25 AC	- 12,457.5
PERSIMMON	- 8.25 AC	- 2,492
CYPRESS	- 32 AC	- 9,664

700 0 700 1400 Feet

