WESTER WOOD SUBDIVISION
PHASE 2
LAKE CITY, FLORIDA

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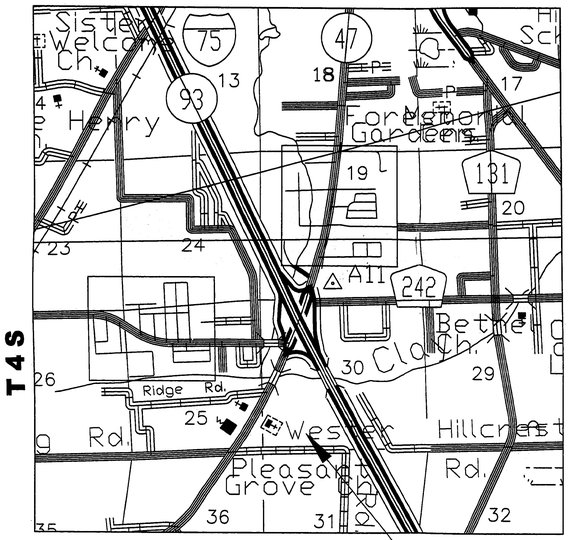

T 4 S

PROJECT LOCATION

PLANS PREPARED FOR:

PAUL S. BRYAN
1731 SW KOONVILLE AVE
LAKE CITY, FL 32024
PHONE (386) 758-2147

LEGEND

EXISTING		PROPOSED	
CONCRETE MONUMENT FOUND	■	CONCRETE MONUMENT SET	□
IRON PIPE FOUND	○	IRON PIPE SET	○
LIGHT STANDARD		LIGHT STANDARD	
POWER POLE		POWER POLE	
WATER VALVE		WATER VALVE	
FIRE HYDRANT		FIRE HYDRANT	
BACKFLOW PREVENTER		BACKFLOW PREVENTER	
CLEANOUT	○ CO	CLEANOUT	○ CO
MANHOLE	Ⓜ	MANHOLE	○
GROUND CONTOUR	– – 25 – –	GROUND CONTOUR	— 25 —
WELL	Ⓦ	DITCH BLOCK	
MONITORING WELL	Ⓜ	FINISH ELEVATION	100.0
ELECTRIC BOX	E	FLOW ARROW	
TELEPHONE BOX	T	HANDICAP PARKING	
CABLE T.V. BOX	C	MITERED END	
D.O.T. MARKER FOUND		TREE	
CONCRETE		SEWER TAP	ST
SOIL BORING LOCATION		WATER METER	WM
SINGLE POST SIGN		BENCH MARK	
BENCH MARK		SILT FENCE	V V V
TRAFFIC LIGHT CABINET			

SYMBOLS & ABBREVIATIONS

℄	PROPERTY LINE	LF	LINEAR FEET
℄	CENTER LINE	IP	IRON PIPE
℄	BASE LINE	MH	MANHOLE
SAN	SANITARY SEWER	G	GAS
SS	STORM SEWER	UC	UNDERGROUND CABLE
E	ELECTRIC	OC	OVERHEAD CABLE
OE	OVERHEAD ELECTRIC	W	WATER LINE
UG	UNDERGROUND ELECTRIC	RCP	REINFORCED CONCRETE PIPE
OT	OVERHEAD TELEPHONE	RCEP	REINFORCED CONCRETE ELLIPTICAL PIPE
UT	UNDERGROUND TELEPHONE	CMP	CORRUGATED METAL PIPE
R=	RADIUS	CMAP	CORRUGATED METAL ARC PIPE
CO	CLEANOUT	BCCMP	BITUMINOUS COATED CORRUGATED METAL PIPE
BM	BENCH MARK	PE	POLYETHYLENE PIPE
F.O.C.	FIBER OPTIC CABLE		

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COVER SHEET

SIGNATURE & SEAL

JOB NUMBER: 040920WES
DESIGNED BY: JH
DRAWN BY: RS
CHECKED BY:
REVISIONS:

SHEET NO. 1

ERP-66-0376

WESTER WOODS SUBDIVISION-PHASE I

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.

2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE ISSUED SUWANNEE RIVER WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT.

3. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.

4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.

5. THE SITE IS LOCATED IN SECTION 30, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

6. THE CONTRACTOR SHALL IMPLEMENT ALL COMPONENTS OF THE EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ALL COMPONENTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL VEGETATION IS ESTABLISHED, THE ENTIRE PROJECT AREA IS STABILIZED AND THE OWNER HAS ACCEPTED OPERATION AND MAINTENANCE.

7. THE STORMWATER BASIN IS DESIGNED IN ACCORDANCE WITH CHAPTER 40B-4 F.A.C.

8. ALL SLOPES OF THE STORMWATER BASIN SHALL BE GRASSED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.

9. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THOUGH AUGUST, THE MIX SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.

10. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.

11. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER.

12. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS.

13. CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED UTILITY CONNECTIONS PRIOR TO BIDDING. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES. THIS INCLUDES BUT IS NOT LIMITED TO MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING.

14. CONTRACTOR SHALL PROVIDE ACTUAL INVERT ELEVATIONS ON ALL DRAINAGE STRUCTURES, INCLUDING CULVERTS, PRIOR TO PLACING ANY BASE MATERIAL. DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER BEFORE CONTINUING WORK.

15. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER 61G17 F.A.C. FOR THE STORMWATER MANAGEMENT SYSTEMS. INCLUDE HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT IMPROVEMENTS ARE LOCATED AND DELINEATED RELATIVE TO THE BOUNDARY. PROVIDE SUFFICIENT DETAILED DATA TO DETERMINE WHETHER THE IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. SUBMIT THE SURVEY TO THE ENGINEER ON REPRODUCIBLE 20LB. VELLUM.

16. ALL WETLAND BUFFERS SHALL BE *PERMANENTLY MONUMENTED* ACCORDING TO THE REQUIREMENTS AS ESTABLISHED IN CHAPTER *61G17-6, F.A.C. PRIOR* TO COMMENCEMENT OF ROAD CONSTRUCTION OR *THE SALE* OF ANY LOT, WHICHEVER COMES FIRST.

17. FINISHED FLOOR ELEVATIONS SHALL BE AT LEAST ONE (1) FOOT ABOVE THE CENTERLINE OF THE ADJACENT ROADWAY OR AS NOTED FOR THE INDIVIDUAL LOT. DURING DEVELOPMENT OF EACH LOT, THE LOT SHALL BE GRADED TO DRAIN TO THE ROADSIDE DITCH OF THE ADJACENT ROADWAY.

18. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE F.D.O.T. DESIGN STANDARDS (CURRENT EDITION) UNLESS OTHERWISE NOTED.

EROSION AND SEDIMENTATION CONTROL PLAN NOTES

1. THIS EROSION AND SEDIMENTATION CONTROL PLAN COMPLIES WITH THE REQUIREMENTS OF THE "FLORIDA DEVELOPMENT MANUAL" AND THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".

2. THE CONTRACTOR SHALL ADHERE TO COLUMBIA COUNTY, SRWMD, AND OTHER GOVERNING AUTHORITIES FOR EROSION AND SEDIMENT CONTROL REGULATIONS. IF THE CONTRACTOR NEEDS TO CHANGE THIS PLAN TO MORE EFFECTIVELY CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL USE BMP's FROM THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".

3. THE CONTRACTOR SHOULD MAKE MINOR REVISIONS TO THIS PLAN TO MEET ACTUAL FIELD CONDITIONS.

4. SEDIMENT AND EROSION CONTROL FACILITIES, STORM DRAINAGE FACILITIES AND DETENTION BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

5. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL AND REPLACED AS NECESSARY.

6. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.

7. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.

8. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.

9. CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF FROM DISTURBED AREAS MAY ENTER WETLANDS.

10. DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.

11. ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY FAST-GROWING COVER AND/OR MULCH.

12. A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES AND COLLECTION PIPE OUTLETS. GRANITE OR LIMESTONE RIPRAP IS REQUIRED, NO BROKEN CONCRETE WILL BE ACCEPTED.

13. ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF HAY BALES OR SODDING.

14. ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN AREAS OF THE JOB WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY STOPPED, BUT IN NO CASE SHALL THE DISTURBED AREA BE LEFT UNPROTECTED FOR MORE THAN THREE DAYS.

15. ALL WASTE GENERATED ON THE PROJECT SHALL BE LEGALLY DISPOSED OF OFFSITE.

16. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.

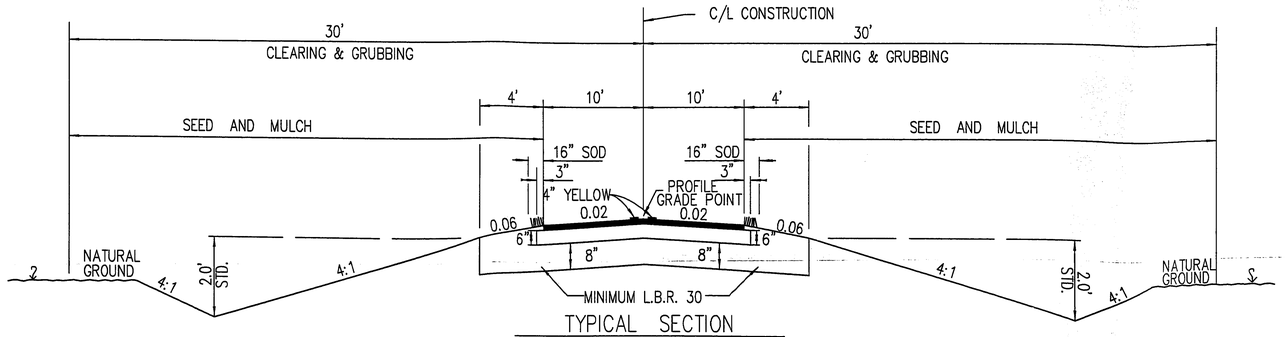
17. EXCESS DIRT SHALL BE REMOVED DAILY.

18. THIS PROJECT SHALL COMPLY WITH ALL WATER QUALITY STANDARDS. PERMIT REQUIRED FROM SRWMD HAS BEEN OBTAINED.

19. QUALIFIED PERSONNEL SHALL INSPECT THE AREA USED FOR STORAGE OF STOCKPILES, THE SILT FENCE AND STRAW BALES, THE LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE, AND THE DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.2 INCHES OR GREATER.

20. SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.

21. STAKED SILT FENCES SHALL BE PLACED NEAR ALL BOX CULVERT EXTENSIONS IN ACCORDANCE WITH FDOT STANDARD INDEX 102. (REMOVE IF NO BOX CULVERT EXTENSIONS)



TYPICAL SECTION

140#/SY TYPE SP-12.5 Asp
0.1 Gal./S.Y. Prime Coat
6" Limerock Base Course
Design Speed = 25 mph

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GENERAL NOTES & TYPICAL SECTION

SIGNATURE & SEAL

JOB NUMBER: 040920WES
DESIGNED BY: JH
DRAWN BY: RS
CHECKED BY:
REVISIONS:

SHEET NO. 2

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OVERALL SITE PLAN

SIGNATURE & SEAL

JOB NUMBER: 040920WES
DESIGNED BY: JH
DRAWN BY: RS
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REVISIONS: 7-21-05 ADDED FINISH FLOOR EL.

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WESTERWOODS
PLAN & PROFILE
SW NIGHTSHADE DR

SIGNATURE & SEAL

STATE OF FLORIDA
JAMES HOWELL
No. 72303
9/14/05

JOB NUMBER: 040920WES
DESIGNED BY: JH
DRAWN BY: RS
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REVISIONS:
11-21-05 ADDED TCCE. FF ELEV. & CHANGED INVERTS

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WESTERWOODS
PLAN & PROFILE

SIGNATURE & SEAL
STATE OF FLORIDA
JOHN HOWELL
No. 52487
9/14/05

JOB NUMBER: 040920WES
DESIGNED BY: JH
DRAWN BY: RS
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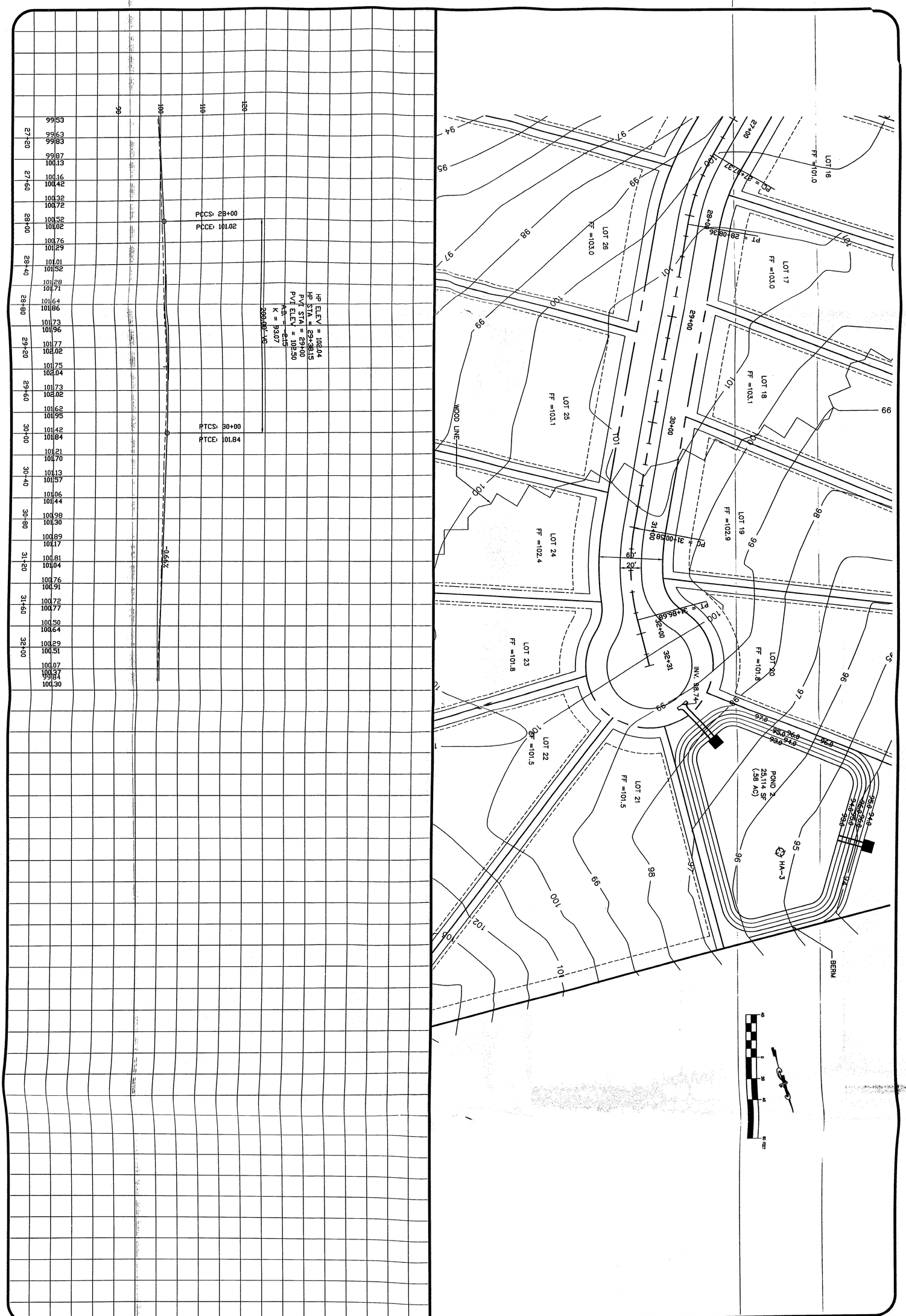
REVISIONS:
7-21-05 ADDED FF ELEV.

SHEET NO.
5

ERP99-0379M



JOB NUMBER: 040920WES			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
JH	RS		

REVISIONS:
7-21-05 ADDED FF ELEV.

SHEET NO. 9

SIGNATURE & SEAL
53462
STATE OF FLORIDA
7/14/05

WESTERWOODS
PLAN & PROFILE

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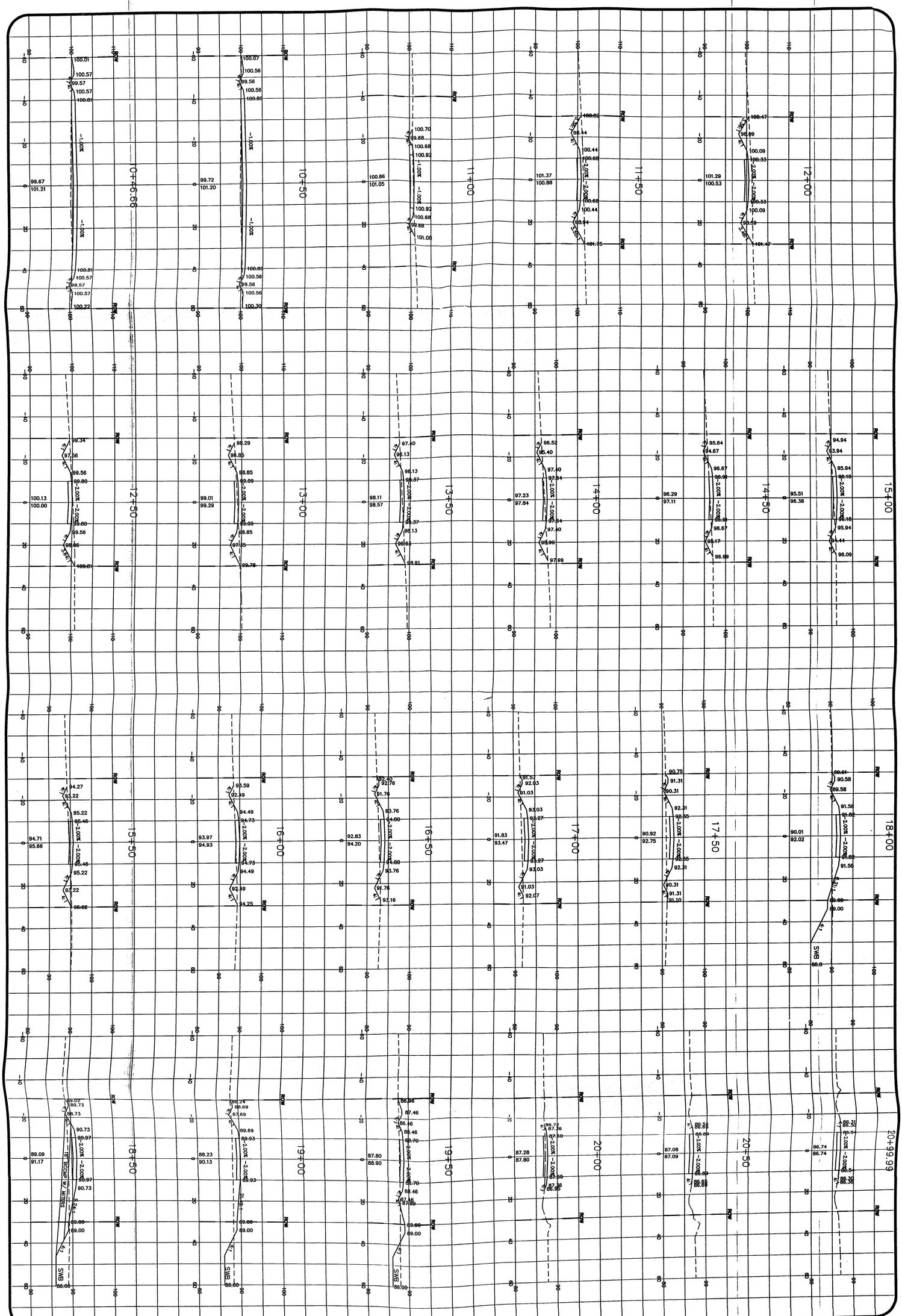

JOB NUMBER: 040920WES			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
JH	RS		

REVISIONS:
7-21-05 CHANGED TO MINIMUM 1 FOOT DEEP DITCHS

SHEET NO. 7

SIGNATURE & SEAL

53482
9/14/05

WESTER WOOS
CROSS SECTIONS
SW NIGHTSHADE DR

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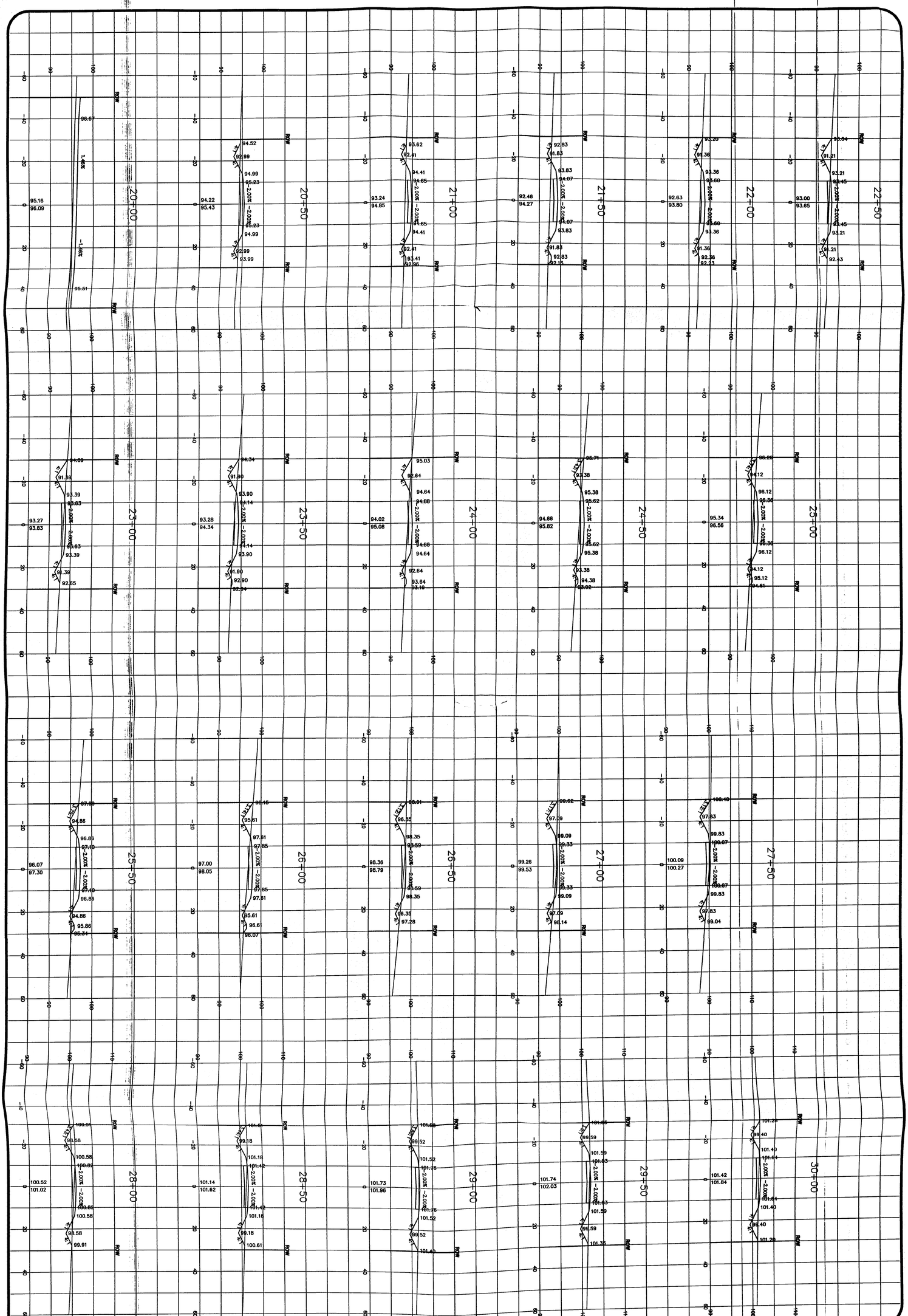

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DESIGNED BY: JH	DRAWN BY: RS	CHECKED BY:	
REVISIONS: 7-21-05 CHANGED TO MINIMUM 1 FOOT DEEP DITCHS			

SHEET NO. 8

SIGNATURE & SEAL

STATE OF FLORIDA — JOSEPH HUTCHISON — 58482 — REGISTERED ENGINEER — 9/14/05

WESTER WOODS
CROSS SECTIONS
CL2

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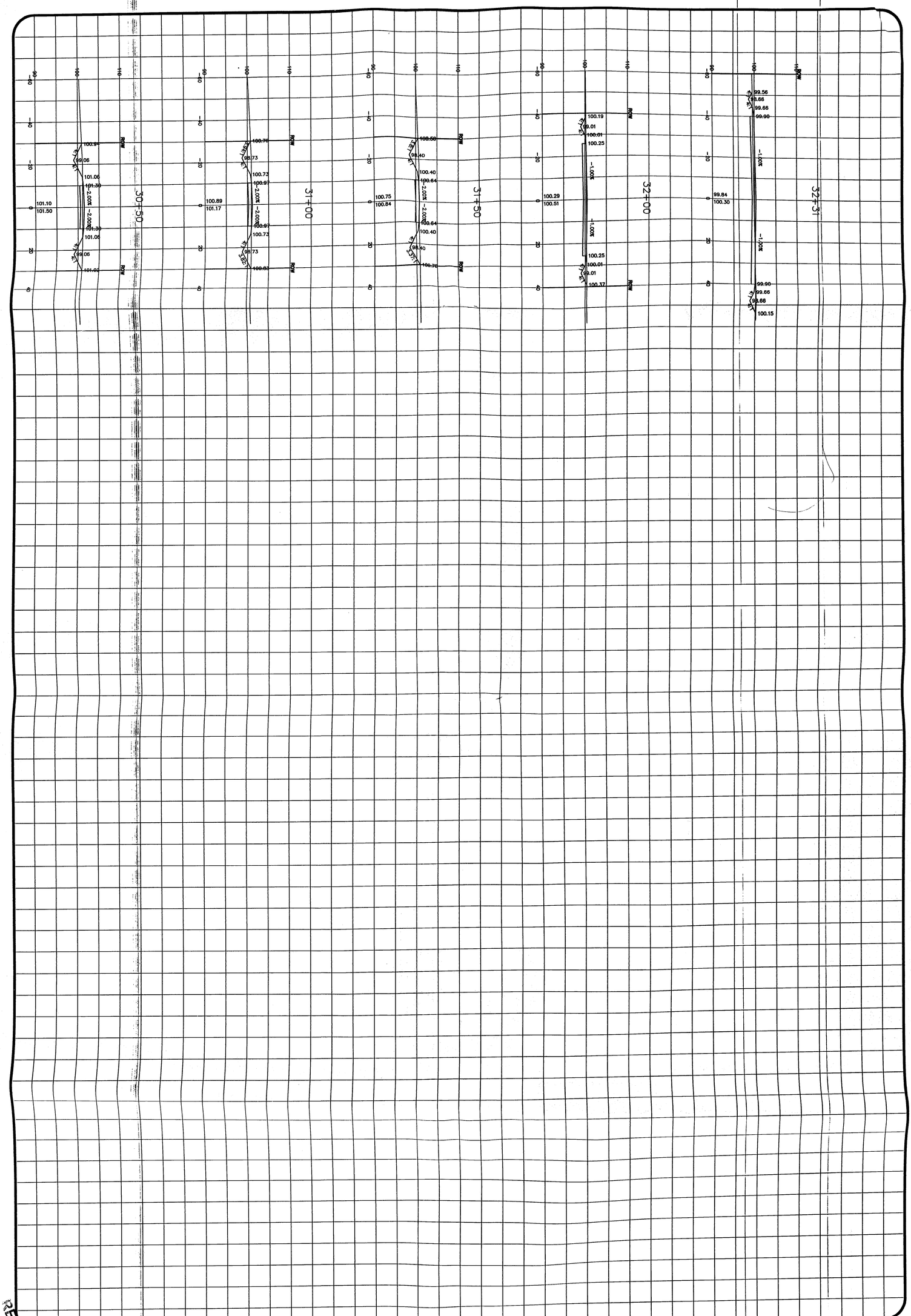

JOB NUMBER: 040920WES			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
JH	RS		
REVISIONS: 7-21-05 CHANGED TO MINIMUM 1 FOOT DEEP DITCHES			

SHEET NO. 9

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9/14/05

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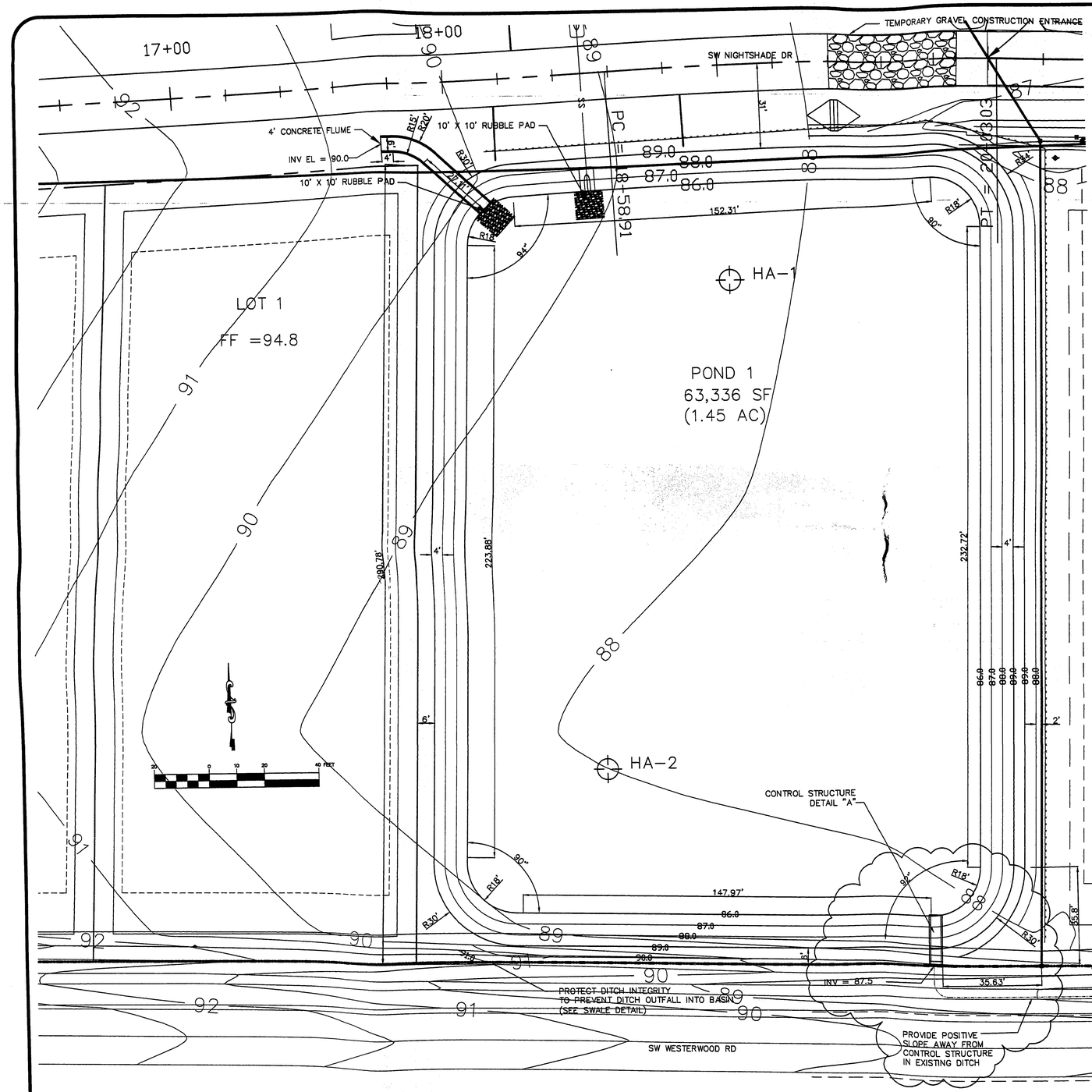

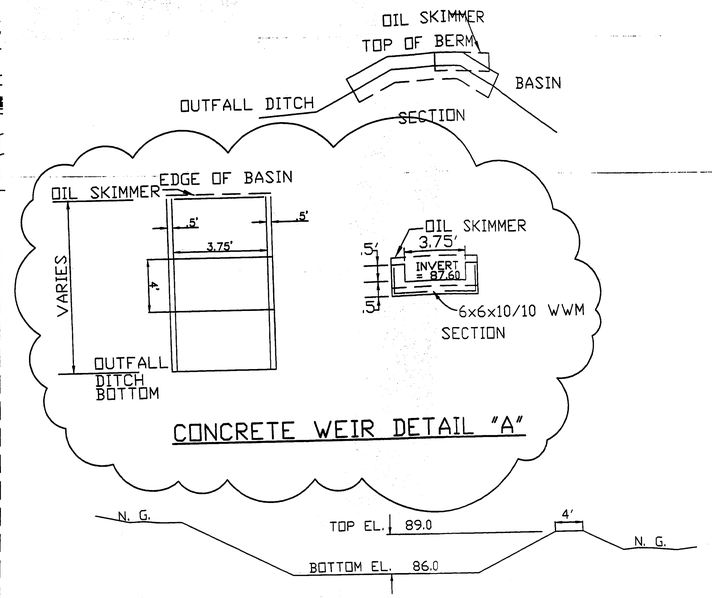

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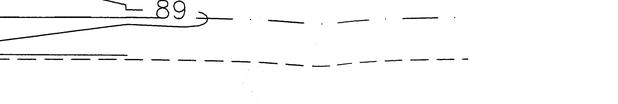

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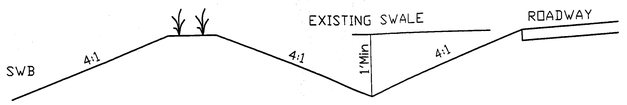

SWALE DETAIL

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Lake City, FL 32056
Ph. 386-752-5640
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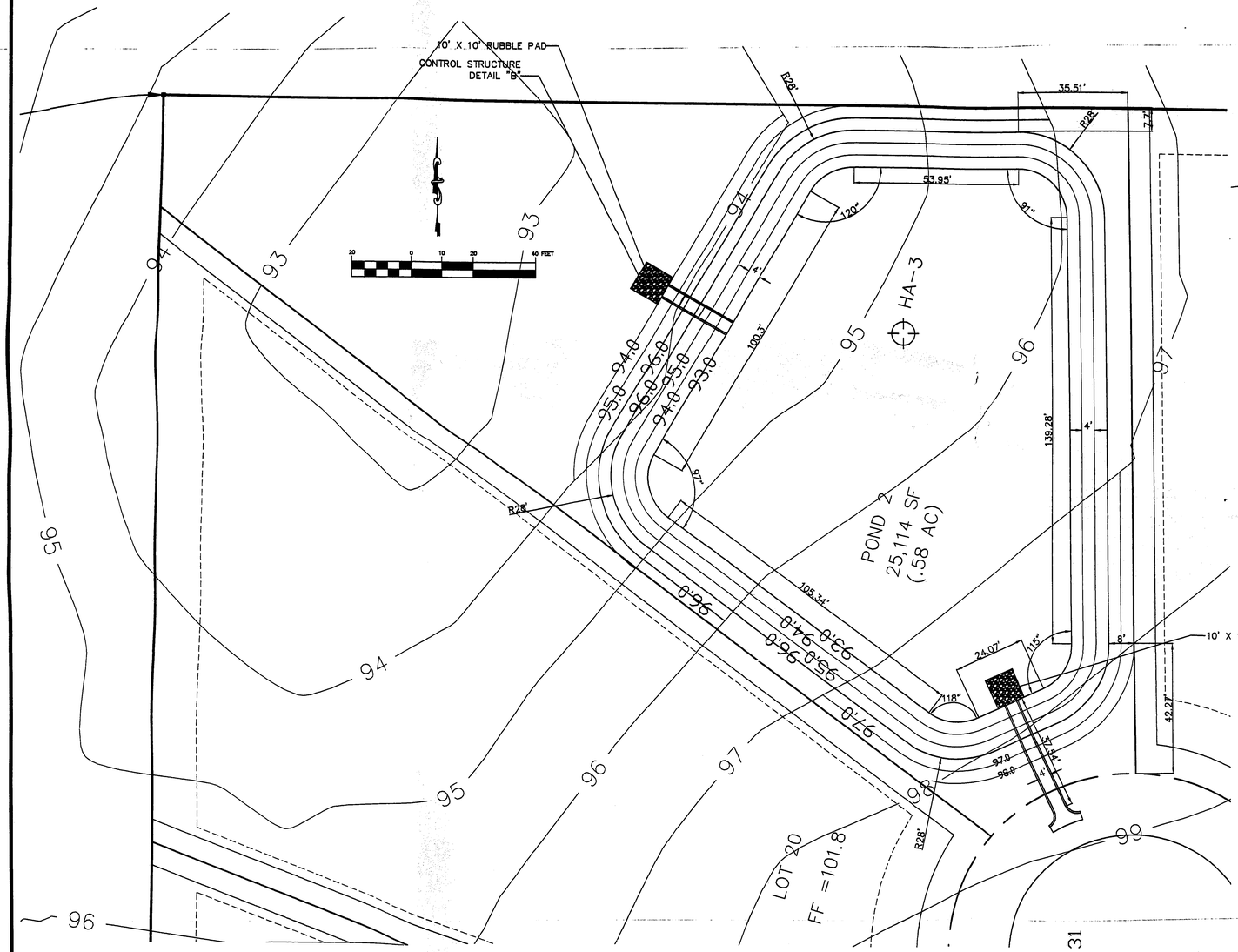
STORMWATER BASIN 1 DETAILS

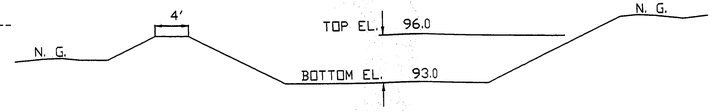
SIGNATURE & SEAL

JOB NUMBER: 040920WES
DESIGNED BY: JH
DRAWN BY: RS
CHECKED BY:

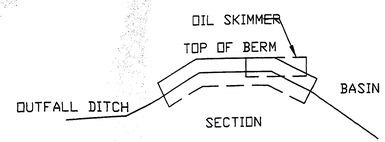
REVISIONS:
7-21-05 REVISED INVERTS AT SWB
ADDED SOIL BORING LOCATIONS
9-8-05 REVISED WEIR WIDTH AND INVERT

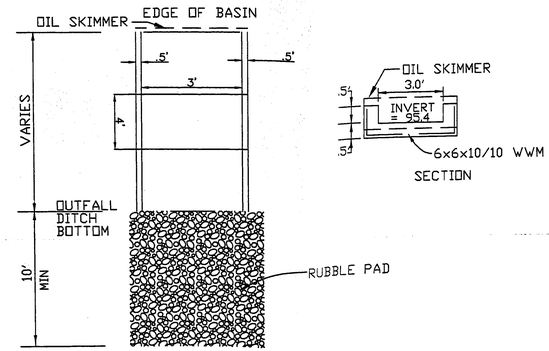
SHEET NO.
10





STORMWATER BASIN 2 DETAIL





CONCRETE WEIR DETAIL "B"

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STORMWATER BASIN 2 DETAILS

SIGNATURE & SEAL

JOB NUMBER: 040920WES
DESIGNED BY: JH
DRAWN BY: RS
CHECKED BY:
REVISIONS: 7-21-05 REVISED INVERTS

SHEET NO. 11

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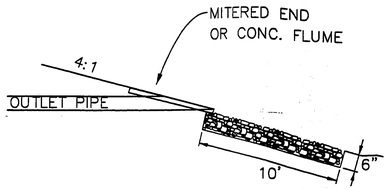
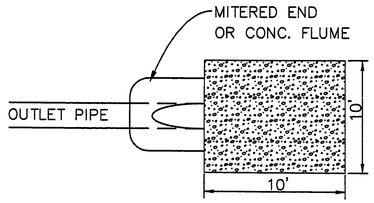
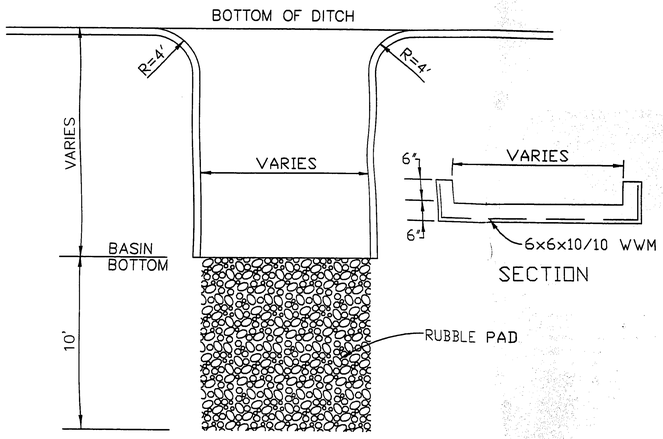
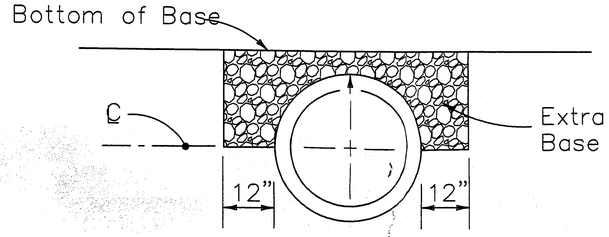




RUBBLE PAD DETAIL

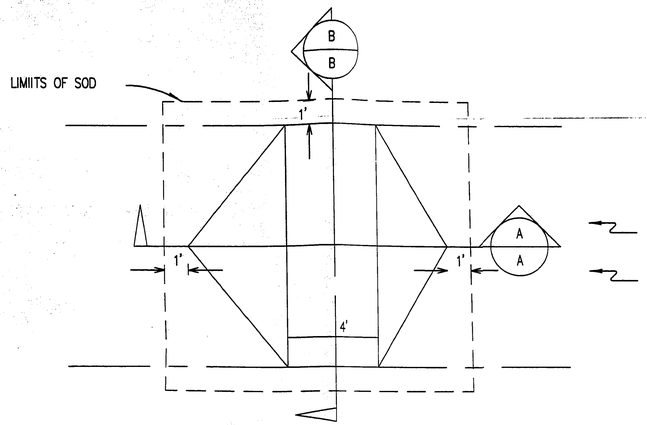


CONCRETE FLUME DETAIL

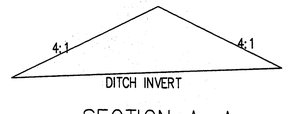


LIMEROCK BASE

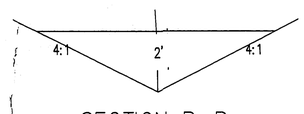
EXTRA BASE FOR CROSS CULVERTS
UNDER FLEXIBLE PAVEMENTS



PLAN VIEW

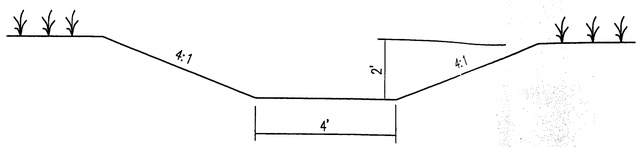


SECTION A–A

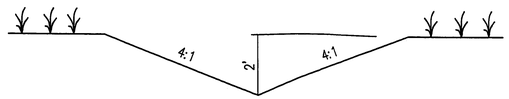


SECTION B–B

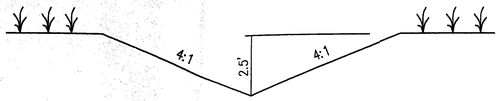
DITCH BLOCK DETAIL



SWALE "C" DETAIL



SWALE "A" DETAIL



SWALE "B" DETAIL

Bailey Bishop & Lane, Inc.
P.O. Box 3717 Lake City, FL 32056 Ph. 386-752-5640 Eng. Lic. 7362
P.O. Box 814 Port St. Joe, FL 32457 Ph. 850-227-9449 Survey Lic. LB-0006685

MISC. DETAILS

SIGNATURE & SEAL

JOB NUMBER: 040920WES
DESIGNED BY: JH
DRAWN BY: RS
CHECKED BY:
REVISIONS: 8-3-05 ADDED RUBBLE PAD

SHEET NO. 12

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE DETAIL

Bailey Bishop & Lane, Inc.
P.O. Box 3717 Lake City, FL 32056 Ph. 386-752-5640 Eng. Lic. 7362
P.O. Box 814 Port St. Joe, FL 32457 Ph. 850-227-9449 Survey Lic. LB-0006685

EROSION CONTROL PLAN

SIGNATURE & SEAL

JOB NUMBER: 040920WES
DESIGNED BY: JH
DRAWN BY: RS
CHECKED BY:
REVISIONS: 7-21-05 ADDED TGCE

SHEET NO. 13

RECEIVED
S.R.W.M.D.
SEP 13 2005
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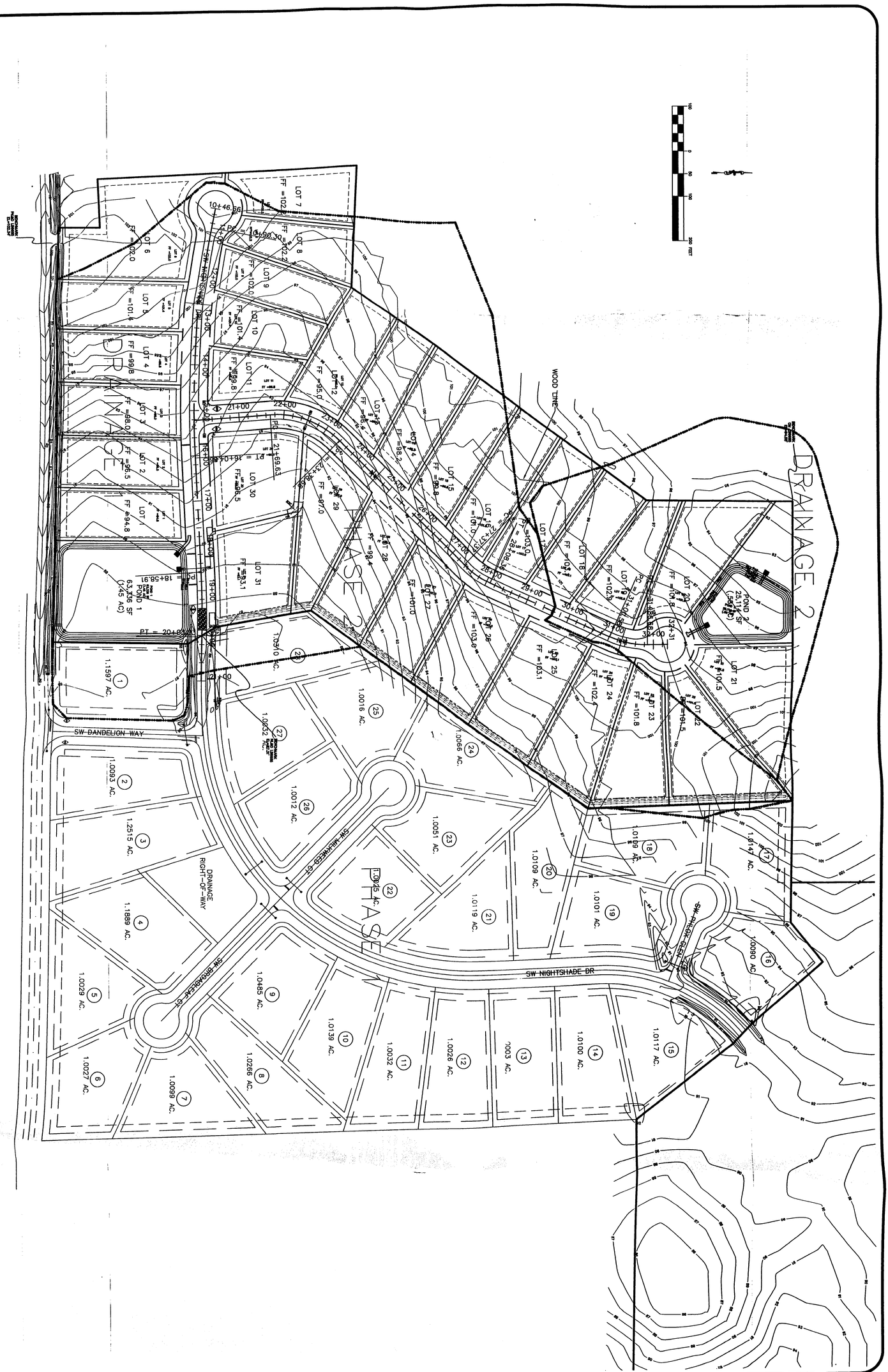

JOB NUMBER: 040920WES		
DESIGNED BY:	DRAWN BY:	CHECKED BY:
JH	RS	
REVISIONS:		

SHEET NO.

SIGNATURE & SEAL

DRAINAGE MAP

Bailey Bishop & Lane, Inc.
P.O. Box 3717
Lake City, FL 32056
Ph. 386-752-5640
Eng. Lic. 7362

P.O. Box 814
Port St. Joe, FL 32457
Ph. 850-227-9449
Survey Lic. LB-0006685

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