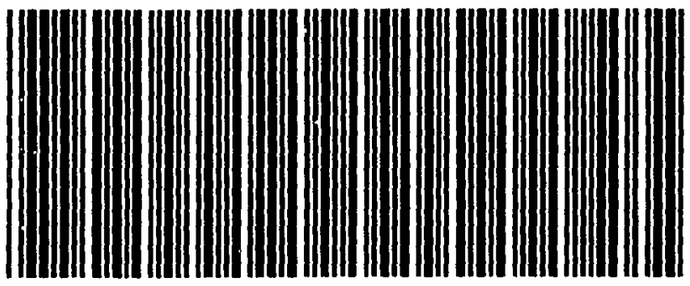
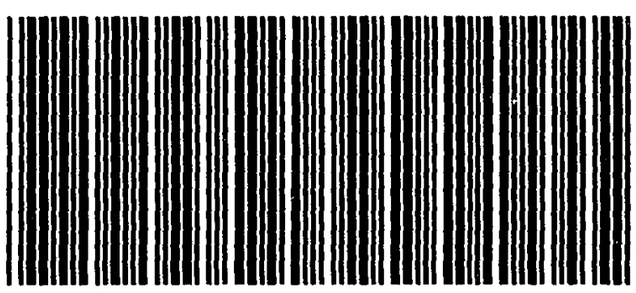
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ROLLING MEADOWS

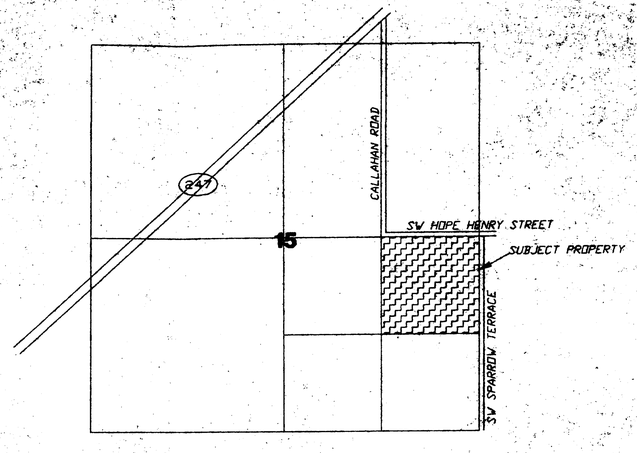
SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA

PLAT BOOK _____
PAGES _____
SHEET 1 OF 2

CURVE TABLE

NO.	RADIUS	DELTA	ARC	TANGENT	CHORD	CHORD BEARING
1	25.00'	91°16'43"	39.83'	25.56'	35.75'	N.44°57'43"E.
2	300.00'	08°23'35"	43.95'	22.01'	43.91'	N.04°52'26"W.
3	25.00'	88°43'17"	38.71'	24.45'	34.96'	S.45°02'17"E.
4	330.00'	08°23'35"	48.34'	24.21'	48.30'	N.04°52'26"W.
5	360.00'	08°23'35"	52.73'	26.41'	52.69'	N.04°52'26"W.
6	330.00'	91°16'43"	525.73'	337.45'	471.87'	S.44°57'43"W.
7	360.00'	10°58'38"	68.97'	34.59'	68.87'	S.04°48'40"W.
8	360.00'	12°40'45"	79.66'	40.00'	79.50'	S.16°38'02"W.
9	360.00'	11°26'25"	71.88'	36.06'	71.76'	S.44°23'16"W.
10	360.00'	16°13'05"	101.90'	51.29'	101.56'	S.58°13'01"W.
11	360.00'	20°57'34"	131.69'	66.59'	130.96'	S.76°48'21"W.
12	360.00'	03°18'57"	20.83'	10.42'	20.83'	S.88°56'36"W.
13	300.00'	22°59'29"	120.38'	61.01'	119.58'	S.10°49'06"W.
14	300.00'	45°58'20"	240.71'	127.26'	234.30'	S.45°18'01"W.
15	300.00'	22°18'54"	116.84'	59.17'	116.10'	S.79°26'38"W.
16	25.00'	88°43'17"	38.71'	24.45'	34.96'	N.45°02'17"W.
17	25.00'	91°16'43"	39.83'	25.56'	35.75'	S.44°57'43"W.
18	25.00'	49°40'47"	21.68'	11.57'	21.00'	N.65°45'41"E.
19	60.00'	68°23'16"	71.62'	40.77'	67.44'	S.75°06'55"W.
20	60.00'	50°38'33"	53.03'	28.39'	51.32'	N.45°22'10"W.
21	60.00'	71°15'57"	74.63'	43.01'	69.91'	N.15°35'05"E.
22	60.00'	47°28'29"	49.72'	26.38'	48.31'	N.74°57'18"E.
23	60.00'	41°35'19"	43.55'	22.79'	42.60'	S.60°38'48"E.
24	25.00'	49°40'47"	21.68'	11.57'	21.00'	N.64°33'32"W.
25	25.00'	88°43'17"	38.71'	24.45'	34.96'	S.45°02'17"E.
26	25.00'	91°16'43"	39.83'	25.56'	35.75'	S.44°57'43"W.
27	25.00'	72°53'43"	31.81'	18.46'	29.70'	N.54°09'13"E.
28	60.00'	69°05'22"	72.35'	41.31'	68.05'	S.52°15'02"W.
29	60.00'	58°28'50"	61.24'	33.59'	58.62'	N.63°57'52"W.
30	60.00'	69°30'12"	72.78'	41.63'	68.40'	N.00°01'40"E.
31	60.00'	55°49'19"	58.46'	31.78'	56.17'	N.62°41'25"E.
32	200.00'	01°35'14"	5.54'	2.77'	5.54'	N.01°28'16"W.
33	200.00'	75°41'06"	264.19'	155.37'	245.40'	N.40°06'26"W.
34	200.00'	11°26'37"	39.97'	20.05'	39.90'	N.83°40'27"W.
35	230.00'	88°43'17"	356.15'	224.92'	321.62'	S.45°02'17"E.
36	260.00'	08°30'31"	38.61'	19.34'	38.58'	N.04°55'54"W.
37	260.00'	29°57'12"	135.92'	69.55'	134.38'	N.24°09'46"W.
38	260.00'	11°58'31"	54.34'	27.27'	54.24'	N.45°07'37"W.
39	260.00'	14°48'32"	67.20'	33.79'	67.01'	N.58°31'09"W.
40	260.00'	16°24'41"	74.47'	37.49'	74.22'	N.74°07'45"W.
41	260.00'	07°03'50"	32.06'	16.05'	32.03'	N.85°52'00"W.
42	25.00'	49°40'47"	21.68'	11.57'	21.00'	N.65°45'41"E.
43	60.00'	56°57'27"	59.65'	32.55'	57.25'	S.69°24'01"W.
44	60.00'	54°33'33"	57.13'	30.94'	55.00'	N.54°50'29"W.
45	60.00'	55°19'07"	57.93'	31.45'	55.71'	N.00°05'31"E.
46	60.00'	58°22'47"	61.14'	33.52'	58.52'	N.56°56'48"E.
47	60.00'	54°08'40"	56.70'	30.67'	54.61'	S.66°47'28"E.
48	25.00'	49°40'47"	21.68'	11.57'	21.00'	N.64°33'32"W.
49	360.00'	15°41'19"	98.57'	49.60'	98.27'	N.30°49'24"E.
50	330.00'	08°23'35"	48.34'	24.21'	48.30'	S.04°52'26"E.
51	360.00'	08°23'35"	52.73'	26.41'	52.69'	S.04°52'26"E.
52	300.00'	08°23'35"	43.95'	22.01'	43.91'	S.04°52'26"E.

SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST.



LOCATION SKETCH
NOT TO SCALE

COUNTY ATTORNEY CERTIFICATE

I HEREBY CERTIFY THAT I HAVE EXAMINED THE FORGOING PLAT AND THAT IT COMPLIES IN FORM WITH THE COLUMBIA COUNTY SUBDIVISION ORDINANCE AND CHAPTER 177 OF THE FLORIDA STATUTES.

DATE: _____ _____
COUNTY ATTORNEY

APPROVAL: STATE OF FLORIDA, COUNTY OF COLUMBIA.

THIS PLAT IS HEREBY APPROVED BY THE COLUMBIA COUNTY COMMISSION THIS _____ DAY OF _____, 2005, A.D.

_____
CHAIRMAN

CERTIFICATE OF CLERK OF CIRCUIT COURT:

THIS PLAT HAVING BEEN APPROVED BY THE COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS IS ACCEPTED FOR FILES AND RECORDED THIS _____ DAY OF _____, 2005, A.D., IN PLAT BOOK _____, PAGE _____

_____
CLERK OF COURT, COLUMBIA COUNTY, FLORIDA

DEDICATION:

KNOW ALL MEN BY THESE PRESENT THAT RML HOLDINGS, AS OWNER AND PEOPLES STATE BANK AS MORTGAGEE, HAS CAUSED THE LANDS HEREON DESCRIBED, TO BE SURVEYED, SUBDIVIDED AND PLATTED, TO BE KNOWN AS "ROLLING MEADOWS", AND THAT ALL ROADS, STREETS AND ALL EASEMENTS FOR UTILITIES, DRAINAGE AND OTHER PURPOSES INCIDENT THERETO AS SHOWN AND/OR DEPICTED HEREON ARE HEREBY DEDICATED TO THE PERPETUAL USE OF THE PUBLIC.

ATTESTS

_____ _____ _____
WITNESS AS TO OWNER — WITNESS AS TO OWNER — ROBERT LARDIZABAL, PRESIDENT OF RML HOLDINGS, INC.

_____ _____ _____
WITNESS AS TO MORTGAGEE — WITNESS AS TO MORTGAGEE — CHRIS DAMPIER, SENIOR VICE-PRESIDENT PEOPLES STATE BANK

DESCRIPTION:
THE NE 1/4 OF THE SE 1/4 OF SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

APPROVAL: PUBLIC WORKS DEPARTMENT, STATE OF FLORIDA, COUNTY OF COLUMBIA.

_____ _____
DIRECTOR — DATE

ACKNOWLEDGMENT: STATE OF FLORIDA, COUNTY OF COLUMBIA.

I HEREBY CERTIFY THAT ON THIS _____ DAY OF _____, 2005 A.D., BEFORE ME PERSONALLY APPEARED ROBERT LARDIZABAL, PRESIDENT OF RML HOLDINGS INC., AS OWNER, TO ME KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FORGOING DEDICATION AND ACKNOWLEDGED THE EXECUTION THEREOF TO BE HIS FREE ACT AND DEED FOR THE USES AND PURPOSES THEREIN EXPRESSED. IN WITNESS WHEREOF I HAVE SET MY HAND AND SEAL ON THE ABOVE DATE.

_____
NOTARY PUBLIC, STATE OF FLORIDA AT LARGE

MY COMMISSION EXPIRES: _____

ACKNOWLEDGMENT: STATE OF FLORIDA, COUNTY OF COLUMBIA.

I HEREBY CERTIFY THAT ON THIS _____ DAY OF _____, 2005 A.D., BEFORE ME PERSONALLY APPEARED CHRIS DAMPIER, SENIOR VICE-PRESIDENT OF PEOPLES STATE BANK, AS MORTGAGEE, TO ME KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FORGOING DEDICATION AND ACKNOWLEDGED THE EXECUTION THEREOF TO BE HIS FREE ACT AND DEED FOR THE USES AND PURPOSES THEREIN EXPRESSED. IN WITNESS WHEREOF I HAVE SET MY HAND AND SEAL ON THE ABOVE DATE.

_____
NOTARY PUBLIC, STATE OF FLORIDA AT LARGE

MY COMMISSION EXPIRES: _____

NOTICE:
ALL PLATTED UTILITY EASEMENTS SHALL PROVIDE THAT SUCH EASEMENTS SHALL ALSO BE FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES) PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF ELECTRIC, TELEPHONE, GAS OR OTHER PUBLIC UTILITY. IN THE EVENT THAT A CABLE TELEVISION COMPANY DAMAGES THE FACILITIES OF A PUBLIC UTILITY, IT SHALL BE SOLELY RESPONSIBLE FOR THE DAMAGES.

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND.
2. BEARINGS ARE BASED ON AN ASSUMED BEARING OF N.88°47'26"E. FOR THE NE 1/4 OF THE SE 1/4 OF SECTION 15.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
5. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
6. EASEMENTS ARE AS SHOWN HEREON.
7. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF COLUMBIA COUNTY.
8. SURVEY CLOSURE PRECISION EXCEEDS THE REQUIREMENTS OF THE MINIMUM TECHNICAL STANDARDS FOR SURVEYING IN THE STATE OF FLORIDA.
9. PRELIMINARY PLAN APPROVED IN JANUARY 26, 2005

NOTICE:
THIS PLAT AS RECORDED IN ITS GRAPHICAL FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY OTHER GRAPHICAL OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

DEVELOPER:
CORNERSTONE DEVELOPMENT
386-752-8633
P.O. BOX 815
LAKE CITY, FL 32056

CERTIFICATE OF COUNTY SURVEYOR:

KNOWN ALL MEN BY THESE PRESENT, THAT THE UNDERSIGNED, BEING A LICENSED AND REGISTERED LAND SURVEYOR, AS PROVIDED UNDER CHAPTER 472, FLORIDA STATUTES AND IS IN GOOD STANDING WITH THE BOARD OF LAND SURVEYORS, DOES HEREBY CERTIFY ON BEHALF OF COLUMBIA COUNTY, FLORIDA ON THE DATE BELOW I HAVE REVIEWED THIS PLAT FOR CONFORMITY TO CHAPTER 177 FLORIDA STATUTES, AND SAID PLAT MEETS ALL THE REQUIREMENTS OF CHAPTER 177 AS AMENDED.

NAME: _____ DATE: _____ REGISTRATION #: _____

PRINT: _____

SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY THIS TO BE A TRUE AND CORRECT REPRESENTATION OF THE LAND SURVEYED AND SHOWN HEREON, THAT THE SURVEY WAS MADE UNDER MY RESPONSIBLE SUPERVISION, DIRECTION AND CONTROL, THAT PERMANENT REFERENCE MONUMENTS HAVE BEEN SET AS SHOWN AND THAT SURVEY DATA COMPLIES WITH THE COLUMBIA COUNTY, SUBDIVISION ORDINANCE AND CHAPTER 177 OF THE FLORIDA STATUTES.

_____ _____
L. SCOTT BRITT, PSM #5757 — DATE:

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
1426 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055
TELEPHONE: (386) 752-7163 FAX: (386) 752-5573 WORK ORDER # L-14661

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PLAT BOOK _____

PAGES _____

SHEET 2 OF 2

ROLLING MEADOWS

SECTION 15, TOWNSHIP 4 SOUTH,
RANGE 16 EAST,
COLUMBIA COUNTY, FLORIDA

SCALE: 1" = 100'

GRAPHIC SCALE

SYMBOL LEGEND

P.R.M.	PERMANENT REFERENCE MONUMENT
PLS	PROFESSIONAL LAND SURVEYOR
℄	CENTERLINE
■	4"X4' CONCRETE MONUMENT
MFE	MINIMUM FLOOR ELEVATION
TYP.	TYPICAL
●	PERMANENT CONTROL POINT

NOTICE:
THIS PLAT AS RECORDED IN ITS GRAPHICAL FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY OTHER GRAPHICAL OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE:
ALL PLATTED UTILITY EASEMENTS SHALL PROVIDE THAT SUCH EASEMENTS SHALL ALSO BE FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES; PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF ELECTRIC, TELEPHONE, GAS OR OTHER PUBLIC UTILITY. IN THE EVENT THAT A CABLE TELEVISION COMPANY DAMAGES THE FACILITIES OF A PUBLIC UTILITY, IT SHALL BE SOLELY RESPONSIBLE FOR THE DAMAGES.

ENGINEER:
CURTIS KEEN
9263 COUNTY ROAD 417
LIVE OAK, FLORIDA 32060
1-386-362-4787

DEVELOPER:
CORNERSTONE DEVELOPMENT
386-752-8653
P.O. BOX 815
LAKE CITY, FL 32056

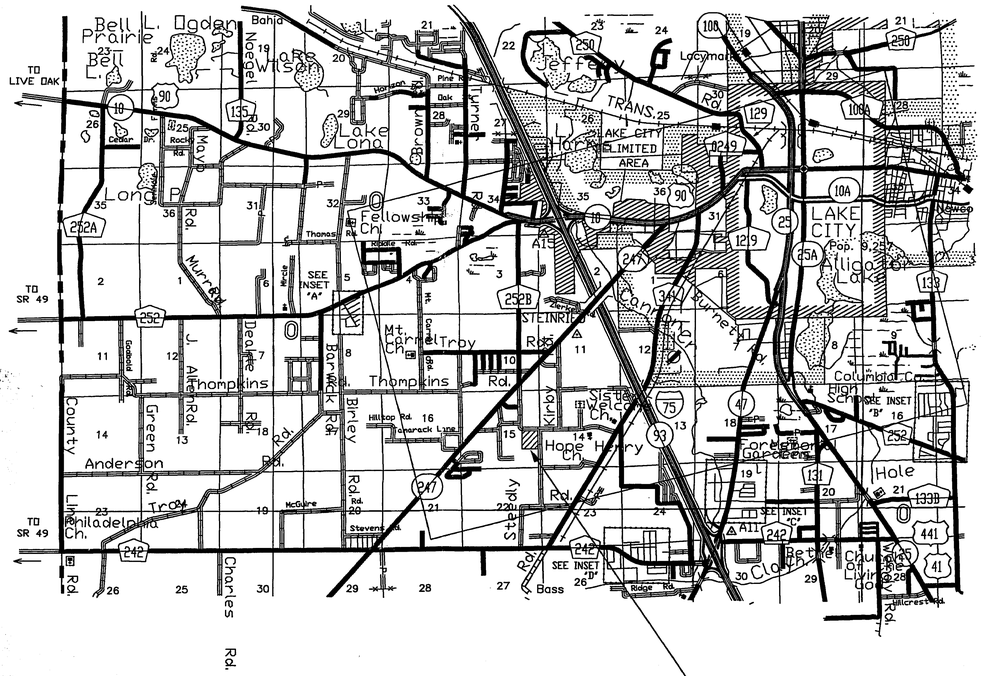
BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
1426 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055
TELEPHONE: (386) 752-7163 FAX: (386) 752-9573 WORK ORDER # L- 14661

C:\TEMPLATE\ROLLING MEADOWS\ROLLING MEADOWS.dwg, 1st 03-04-2005

CONSTRUCTION PLANS
FOR
ROLLING MEADOWS SUBDIVISION ROADWAY
LAKE CITY, FLORIDA

INDEX:

C-1	COVER SHEET
C-2	TYPICAL SECTION & SUMMARY OF QUANTITIES
C-3	DETAILS AND SECTIONS
C-4	DRAINAGE WITH LOT LAYOUT
C-5	PLAN & PROFILE
C-6	PLAN & PROFILE
C-7	PLAN & PROFILE
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C-10	PLAN & PROFILE
C-11	PLAN & PROFILE
C-12	PLAN & PROFILE
C-13	CROSS SECTIONS
C-14	CROSS SECTIONS
C-15	POTABLE WATER DETAILS



CONTACT PERSON: ROBERT LARDAZABEL
386\755-9444

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LAKE CITY, FLORIDA

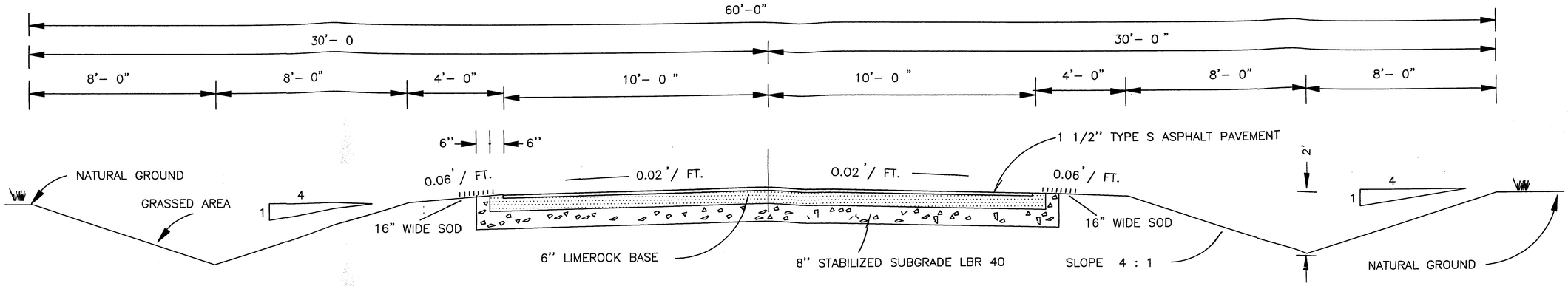
COVER SHEET

PROJECT NO. | DRAWING NO. C-1 | DATE 2/11/05

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ROLLING MEADOWS SUBDIVISION
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TYPICAL SECTION – NOT TO SCALE

SUMMARY OF ROADWAY PAY ITEMS			
ITEM No.	ITEM	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1
120-1	EXCAVATION REGULAR	LS	1
120-2	EXCAVATION BORROW	LS	1
160-4	STABILIZATION TYPE "B" (8")	SY	10,234
285-704	LIMEROCK BASE (6")	SY	9,813
300-1-1	BIT MAT'L. (PRIME COAT)	GA	1,178
331-72-14	ASPH CONC. TYPE S (1 1/2")	SY	9,392
430-22-025	PIPE CORR STEEL CULV, (18") 16 GA.	LF	192
430-22-029	PIPE CORR STEEL CULV, (24") 16 GA.	LF	132
570-2	SEEDING & MULCHING	SY	30,262
575-1-6	SODDING (BERMUDA)	SY	1,219
710-7	PAVT MESSAGE, PAINTED	EA	3
710-2-41	TRAFFIC STRIPE SOLID (6")	NM	1.33
710-4-241	TRAFFIC STRIPE SOLID (24")(STOP)	LF	45
700-40-1	SIGN SINGLE POST (STOP)	AS	3

NOTES FOR PAY ITEMS

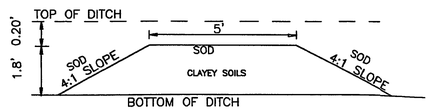
120-1	INCLUDES ALL EXCAVATION ON PROJECT TO LINES AS SHOWN ON PLAN & PROFILE SHEETS FOR ROADWAY/BASINS. SUITABLE SOILS EXCAVATED ON PROJECT MAY BE USED IN FILL SECTIONS.
120-2	INCLUDES ALL BORROW MATERIAL REQUIRED TO COMPLETE PROJECT TO LINES AS SHOWN ON PLAN & PROFILE SHEETS. ALL SUITABLE SOILS EXCAVATED FROM PROJECT MAY BE USED IN DEFICIENT AREAS.
300-1-1	BASED ON 0.12 GAL./S.Y.
570-2	INCLUDES FERTILIZER, SEED, MULCH, AND WATER IN PRICE BASED ON THE FOLLOWING RATES. 3,000 LBS. FERTILIZER(12-8-8) — 250 LBS QUICK GROW GRASS SEED 12.0 TONS MULCH — 625 LBS ARGENTINE BAHIA SEED 9,000 GALS WATER
575-1-6	INCLUDES 24 SY SOD PER DITCH DITCH BLOCK. TOTAL 96 S.Y. FOR DITCH BLOCKS
710-7	CONSISTS OF 3 STOP MESSAGE

NOTES:

1. ALL ROADWAY, SODDING, STRIPING AND ROADWAY RELATED ITEMS ARE TO BE GOVERNED BY FDOT SPECIFICATIONS, CURRENT EDITION.
2. CONTRACTOR IS TO SUBMIT A FDOT APPROVED DESIGN MIX BEFORE ANY WORK IS TO COMMENCE ON PROJECT.
3. ALL ITEMS AS SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS MAY BE INCREASED, DECREASED OR OMITTED AS DIRECTED BY THE ENGINEER.
4. ALL TEST REQUIREMENTS/COSTS FOR TESTING ARE TO BE BY THE CONTRACTOR . TESTING BY AN INDEPENDENT LABORATORY
5. CONTACT THE ENGINEER FOR COLUMBIA COUNTY 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
6. THE CONTRACTOR IS TO ADHERE TO THE E&SC PLAN FROM BEFORE EARTHWORK BEGINS UNTIL AS-BUILTS ARE COMPLETED.

SPECIFICATIONS:

1. WEARING SURFACE: SECTION 300 OF FLA DOT STANDARD SPECIFICATIONS, LATEST EDITION
2. BASE COURSE: SECTION 200 OF FLA DOT STANDARD SPECIFICATIONS, LATEST EDITION
3. SUBGRADE: SECTION 160 OF FLA DOT STANDARD SPECIFICATIONS, LATEST EDITION



DITCH BLOCK DETAIL

DITCH BLOCK STATIONS

0+70 RT. & LT. MORNING GLORY DRIVE, TOP ELEVATION = 101.68
8+58 RIGHT BUTTERCUP DRIVE, TOP ELEVATION = 105.25

DITCH BLOCKS TO BE COMPLETLY SODDED.

SUMMARY OF CORRUGATED METAL PIPE WITH MITERED END AND CONCRETE COLLARS

S – 1	60	LIN. FT. OF C.M.P. W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 0+32 MORNING GLORY DRIVE, INVERT 97.83'
S – 2	44	LIN. FT. OF C.M.P. W/MITERED ENDS 24" DIAMETER, 16 GAUGE, STA. 9+24 MORNING GLORY DRIVE, INVERT 101.12'
S – 3	44	LIN. FT. OF C.M.P. W/MITERED ENDS 24" DIAMETER, 16 GAUGE, STA. 11+95 MORNING GLORY DRIVE, INVERT 104.13'
S – 4	44	LIN. FT. OF C.M.P. W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 14+40 MORNING GLORY DRIVE, INVERT 104.56'
S – 5	44	LIN. FT. OF C.M.P. W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 0+32 BUTTERCUP DRIVE, INVERT 104.56'
S – 6	44	LIN. FT. OF C.M.P. W/MITERED ENDS 24" DIAMETER, 16 GAUGE, STA. 6+89 BUTTERCUP DRIVE, INVERT 104.15'
S – 7	44	LIN. FT. OF C.M.P. W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 12+04 BUTTERCUP DRIVE, INVERT 104.06'
S – 8	44	LIN. FT. OF C.M.P. W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 3+73 POPPY GLEN DRIVE, INVERT 104.04'

NOTES

1. ALL SLOPES STEEPER THAN 4 :1 TO BE SODDED
2. ALL SLOPES STEEPER THAN 3 :1 TO BE STAPLED SOD
3. ALL DISTURBED AREAS TO BE SEEDED AS FOLLOWS
   SEPTEMBER – MARCH (PERMANENT GRASS SEED AND RYE GRASS)
   APRIL – AUGUST (PERMANENT GRASS SEED AND MILLET)
4. PROVIDE TEMPORARY EROSION CONTROL MEASURES AS DIRECTED BY THE ENGINEER OR SRWMD

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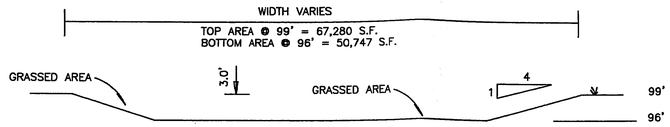
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386/362-4787
ENG. LIC. EB 3761

ROLLING MEADOWS SUBDIVISION ROADWAY
LAKE CITY, FLORIDA

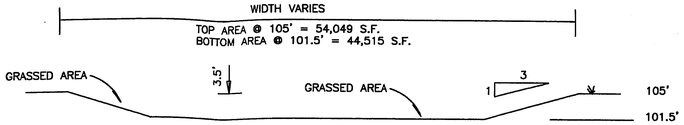
TYPICAL SECTION
SUMMARY OF QUANTITIES

PROJECT No.
TYPICAL SECTION
SHEET No. C-2
DRAWN BY:
DATE 03/11/05

Curtis Keen 3/15/05
CURTIS KEEN, P.E. 15205
CONFORMS TO
ERP 05-0061



RETENTION BASIN #1 SECTION



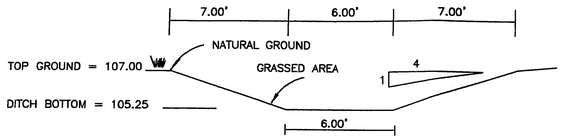
RETENTION BASIN #2 SECTION

NOTES:

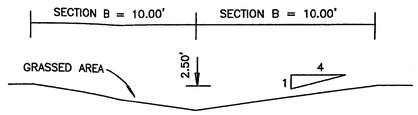
THE CONTRACTOR IS TO ADHERE TO THE E&SC PLAN FROM BEGINNING OF EARTHWORK UNTIL THE AS-BUILTS ARE COMPLETE. MAINTENANCE ITEMS FOR EROSION ARE TO BE STRICTLY ADHERED TO WITH NO EXCEPTIONS.

IF THE PROPOSED E&SC PLAN IS NOT WORKING OR DOES NOT APPEAR TO BE EFFECTIVE, THE CONTRACTOR IS TO IMMEDIATELY CONTACT THE ENGINEER AND USE THE BMPs IN THE FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL TO IMPLEMENT A PLAN THAT WILL WORK.

NOTE: CONTRACTOR IS TO CONSTRUCT SILT BARRIER AROUND THE PERIMETER OF THE PROPERTY.



SWALE DITCH SECTION A



SWALE DITCH SECTION B

EROSION CONTROL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL DURING ALL PHASES OF CONSTRUCTION.

2. ALL DESIGNS WILL CONFORM TO & ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES (BMP'S) PUBLISHED IN THE FLORIDA DEVELOPMENT MANUAL.

3. DAILY INSPECTION – ALL EROSION CONTROL MEASURES AND CONDITION OF ADJACENT PROPERTIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR. DEFICIENCIES SHALL BE NOTED AND CORRECTED.

4. LIMITS OF CLEARING SHALL NOT EXTEND BEYOND PROPERTY LINES OR THOSE LINES MARKED "LIMITS OF CLEARING" SHOWN ON THESE PLANS.

5. ALL DISTURBED AREAS ARE TO BE GRADED SMOOTH, AND SODDED.

6. ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS OR PROJECT SEGMENT LIMITS.

7. OUTFALL PROTECTION – PROJECT PIPE OR DITCH DISCHARGES INTO OFF-SITE OUTFALLS SHALL BE INSPECTED DAILY FOR POSSIBLE SEDIMENT BUILD-UP OR TRANSPORT. OUTFALLS SHALL BE PROTECTED THROUGH USE OF ENVIRONMENTAL CONTROL FEATURES AS NECESSARY TO CONTAIN ANY SEDIMENT LOSS TO THE IMMEDIATE AREA OF THE PROJECT. ANY SEDIMENT BUILD-UP OR TRANSPORT OFF-SITE SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMEDY. IF NOT SPECIFICALLY CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL USE APPROPRIATE FEATURES AS DIRECTED BY THE ENGINEER FOR OUTFALL PROTECTION.

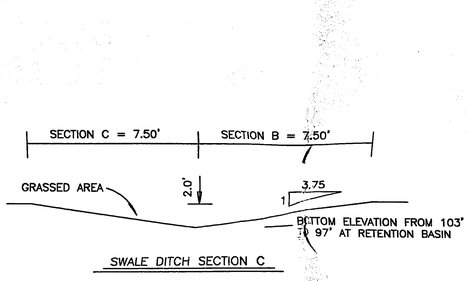
8. SLOPE PROTECTION – ANY DISTURBED OR REWORKED SLOPES 3:1 OR STEEPER SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF TEMPORARY SLOPE DRAINS, TEMPORARY GRASSING, SODDING, OR EROSION CONTROL MATS UNTIL PERMANENTLY STABILIZED. SUCH SLOPES SHALL NOT BE LEFT UNPROTECTED MORE THAN 24 HOURS OR DURING RAINFALL EVENTS.

9. HAY BALES – THESE SHALL BE PLACED AT THE BASE OF ANY SLOPE WHERE A RAINFALL EVENT COULD ERODE A SLOPE AND TRANSPORT SEDIMENTS OFF-SITE. BALES SHALL BE DOUBLE STAKED IN ACCORDANCE WITH FDOT STANDARD INDEXES. IF EROSION DEPOSITS REACH THE TOP ELEVATION OF EXISTING BALES, THEN THE SEDIMENTS MUST BE REMOVED. ANY DAMAGED OR INEFFECTIVE BALES ARE TO BE REPLACED WITH NEW ONES.

10. STOCKPILED MATERIALS – THIS MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR HAY BALES.

11. ALL TREES DESIGNATED TO REMAIN ON SITE SHALL BE ENCLOSED WITHIN A TREE PROTECTION BARRICADE.

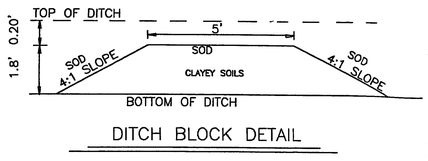
12. ALL HAY BALES AND SILT FENCES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.



SWALE DITCH SECTION C

SWALE DITCH SECTION D

CONCRETE SPILLWAY INVERT ELEVATIONS:	
SPILLWAY #1	98.75

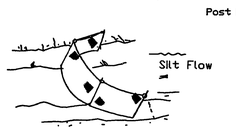


DITCH BLOCK DETAIL

DITCH BLOCK STATIONS

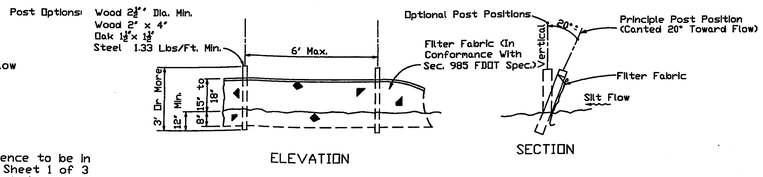
0+70 RT. & LT. MORNING GLORY DRIVE, TOP ELEVATION = 101.68
8+58 RIGHT BUTTERCUP DRIVE, TOP ELEVATION = 105.25

DITCH BLOCKS TO BE COMPLETLY SODDED.

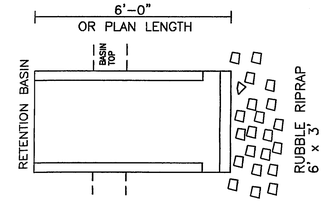


Note: Spacing for Type 3 Silt Fence to be in accordance with Chart 1, Sheet 1 of 3 and ditch installations at drainage structures Sheet 2 of 3.

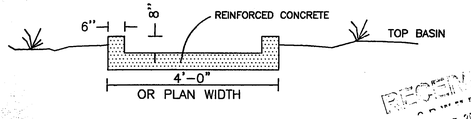
Type 3 Silt Fence



TYPE 3 SILT FENCE



SECTION @ CONC. SPILLWAY



SECTION @ CONC. SPILLWAY

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3/15/05

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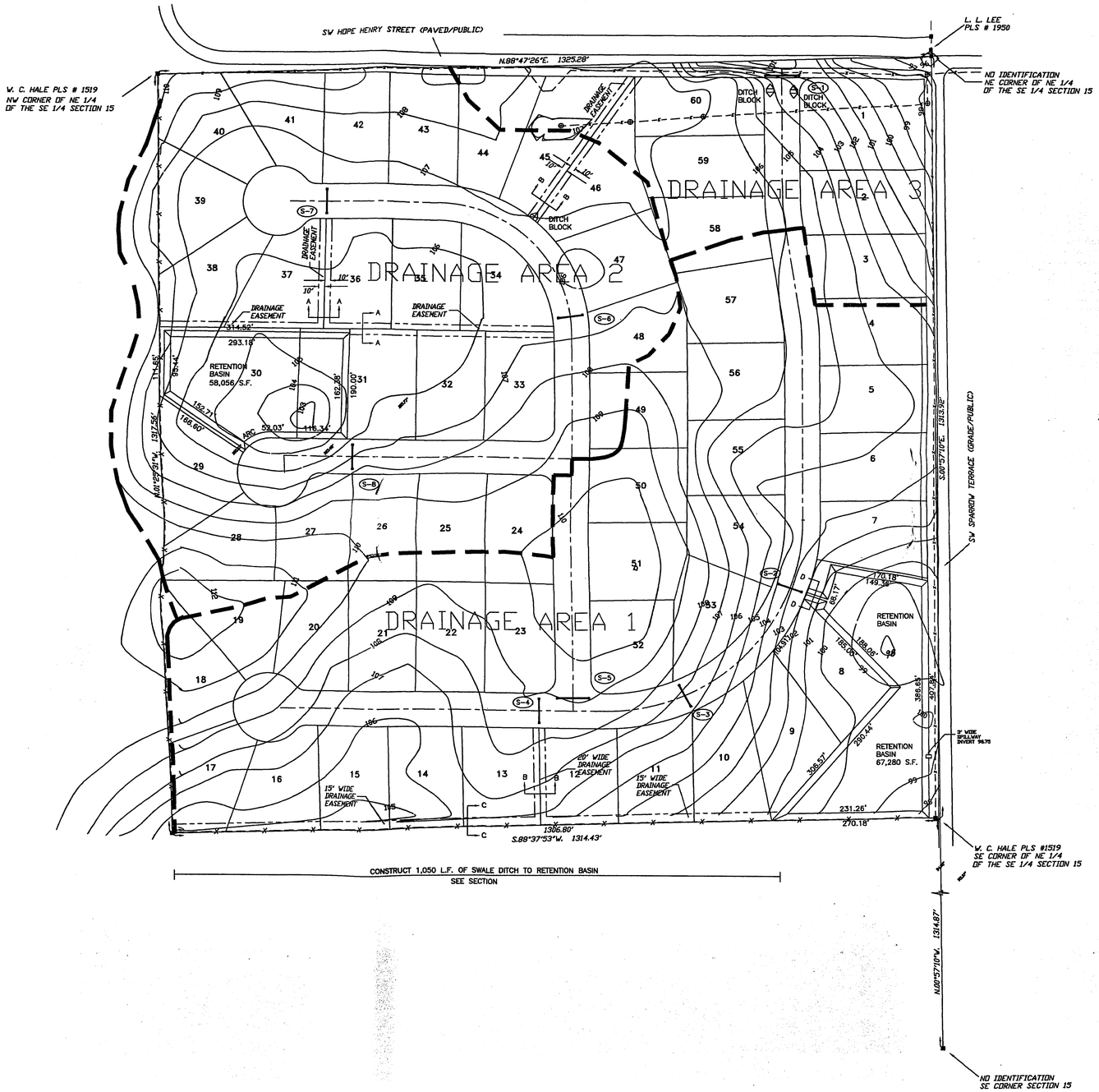
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9263 CR 417
LIVE OAK, FLORIDA 32060
(386) 362-4783
ENG. LIC. EB 3761

ROLLING MEADOWS SUBDIVISION ROADWAY
LAKE CITY, FLORIDA

SECTIONS AND DETAILS

DRAWN BY:
DATE 03/11/05
PROJECT NO.
TYPICAL SECTION
SHEET NO. C-3

ROLLING MEADOWS
LOT LAYOUT/DRAINAGE MAP
SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST,
COLUMBIA COUNTY, FLORIDA



39.87 Acres, ±

SCALE: 1" = 100'

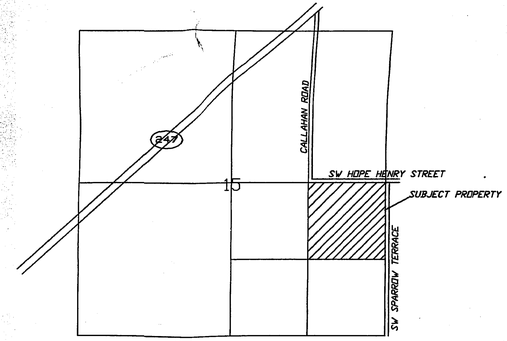
SYMBOL LEGEND

- 4"X4" CONCRETE MONUMENT FOUND
- 4"X4" CONCRETE MONUMENT SET
- IRON PIPE FOUND
- IRON PIN AND CAP SET
- POWER POLE
- WATER METER
- CENTERLINE
- WELL
- SATELLITE DISH
- TELEPHONE BOX
- ELECTRIC LINES
- WIRE FENCE
- CHAIN LINK FENCE
- WOODEN FENCE

MINIMUM FINISH FLOOR ELEVATIONS:		
LOT 1 – MINIMUM FLOOR ELEVATION 102.00'	LOT 28 – MINIMUM FLOOR ELEVATION 110.50'	LOT 51 – MINIMUM FLOOR ELEVATION 111.00'
LOT 2 – MINIMUM FLOOR ELEVATION 104.00'	LOT 27 – MINIMUM FLOOR ELEVATION 111.00'	LOT 52 – MINIMUM FLOOR ELEVATION 111.00'
LOT 3 – MINIMUM FLOOR ELEVATION 104.00'	LOT 28 – MINIMUM FLOOR ELEVATION 111.00'	LOT 53 – MINIMUM FLOOR ELEVATION 107.50'
LOT 4 – MINIMUM FLOOR ELEVATION 105.00'	LOT 29 – MINIMUM FLOOR ELEVATION 109.00'	LOT 54 – MINIMUM FLOOR ELEVATION 107.50'
LOT 5 – MINIMUM FLOOR ELEVATION 105.00'	LOT 30 – RETENTION BASIN N/A	LOT 55 – MINIMUM FLOOR ELEVATION 107.50'
LOT 6 – MINIMUM FLOOR ELEVATION 105.00'	LOT 31 – MINIMUM FLOOR ELEVATION 107.50'	LOT 56 – MINIMUM FLOOR ELEVATION 107.50'
LOT 7 – MINIMUM FLOOR ELEVATION 103.50'	LOT 32 – MINIMUM FLOOR ELEVATION 107.50'	LOT 57 – MINIMUM FLOOR ELEVATION 107.50'
LOT 8 – MINIMUM FLOOR ELEVATION 101.00'	LOT 33 – MINIMUM FLOOR ELEVATION 108.50'	LOT 58 – MINIMUM FLOOR ELEVATION 107.50'
LOT 9 – MINIMUM FLOOR ELEVATION 103.00'	LOT 34 – MINIMUM FLOOR ELEVATION 107.00'	LOT 59 – MINIMUM FLOOR ELEVATION 107.50'
LOT 10 – MINIMUM FLOOR ELEVATION 105.00'	LOT 35 – MINIMUM FLOOR ELEVATION 107.00'	LOT 60 – MINIMUM FLOOR ELEVATION 107.50'
LOT 11 – MINIMUM FLOOR ELEVATION 106.00'	LOT 36 – MINIMUM FLOOR ELEVATION 107.00'	
LOT 12 – MINIMUM FLOOR ELEVATION 107.50'	LOT 37 – MINIMUM FLOOR ELEVATION 107.00'	
LOT 13 – MINIMUM FLOOR ELEVATION 108.00'	LOT 38 – MINIMUM FLOOR ELEVATION 108.00'	
LOT 14 – MINIMUM FLOOR ELEVATION 108.00'	LOT 39 – MINIMUM FLOOR ELEVATION 108.00'	
LOT 15 – MINIMUM FLOOR ELEVATION 108.00'	LOT 40 – MINIMUM FLOOR ELEVATION 108.50'	
LOT 16 – MINIMUM FLOOR ELEVATION 108.00'	LOT 41 – MINIMUM FLOOR ELEVATION 108.50'	
LOT 17 – MINIMUM FLOOR ELEVATION 109.00'	LOT 42 – MINIMUM FLOOR ELEVATION 108.50'	
LOT 18 – MINIMUM FLOOR ELEVATION 111.00'	LOT 43 – MINIMUM FLOOR ELEVATION 108.50'	
LOT 19 – MINIMUM FLOOR ELEVATION 112.00'	LOT 44 – MINIMUM FLOOR ELEVATION 108.50'	
LOT 20 – MINIMUM FLOOR ELEVATION 110.00'	LOT 45 – MINIMUM FLOOR ELEVATION 108.50'	
LOT 21 – MINIMUM FLOOR ELEVATION 109.00'	LOT 46 – MINIMUM FLOOR ELEVATION 108.00'	
LOT 22 – MINIMUM FLOOR ELEVATION 109.00'	LOT 47 – MINIMUM FLOOR ELEVATION 108.00'	
LOT 23 – MINIMUM FLOOR ELEVATION 110.50'	LOT 48 – MINIMUM FLOOR ELEVATION 108.50'	
LOT 24 – MINIMUM FLOOR ELEVATION 110.50'	LOT 49 – MINIMUM FLOOR ELEVATION 109.50'	
LOT 25 – MINIMUM FLOOR ELEVATION 110.50'	LOT 50 – MINIMUM FLOOR ELEVATION 110.50'	

THE ABOVE MINIMUM FLOOR ELEVATIONS ARE TO BE A MINIMUM OF 8" ABOVE THE HIGHEST ADJACENT GRADE.

SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST.



LOCATION SKETCH
NOT TO SCALE

DESCRIPTION:
THE NE 1/4 OF THE SE 1/4 OF SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND.
2. BEARINGS ARE BASED ON AN ASSUMED BEARING OF S.00°57'10"E. FOR THE EAST LINE OF SAID SECTION 15.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

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Curtis Kern 3/15/05

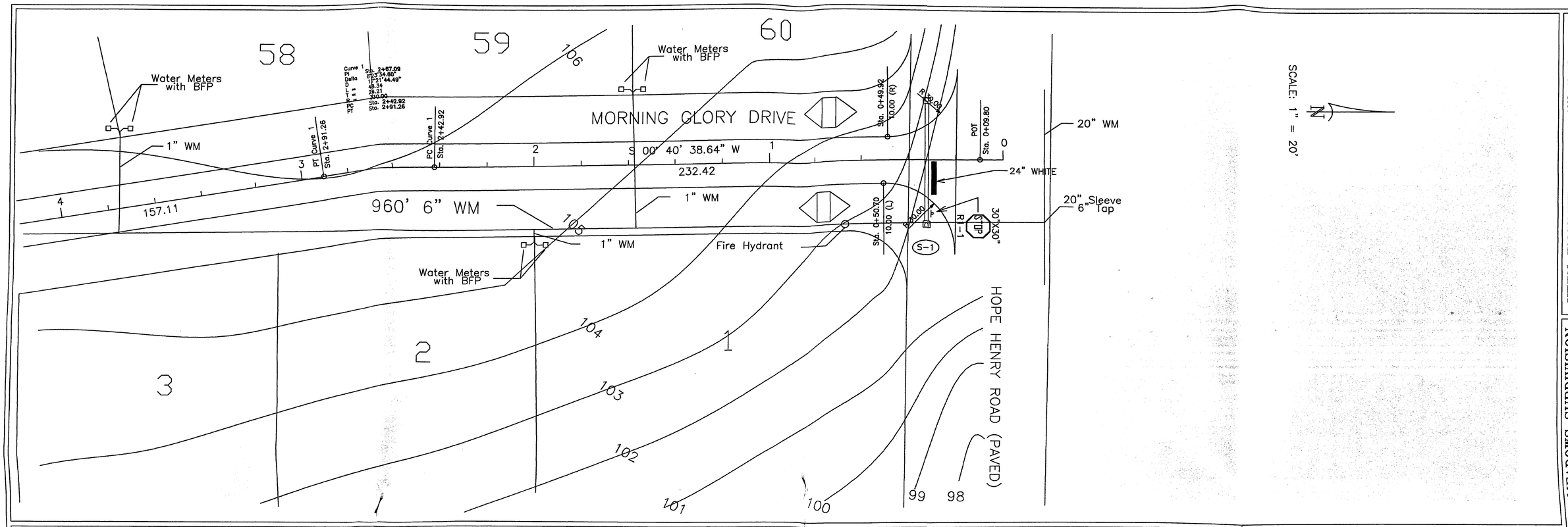
ERP 05-0061

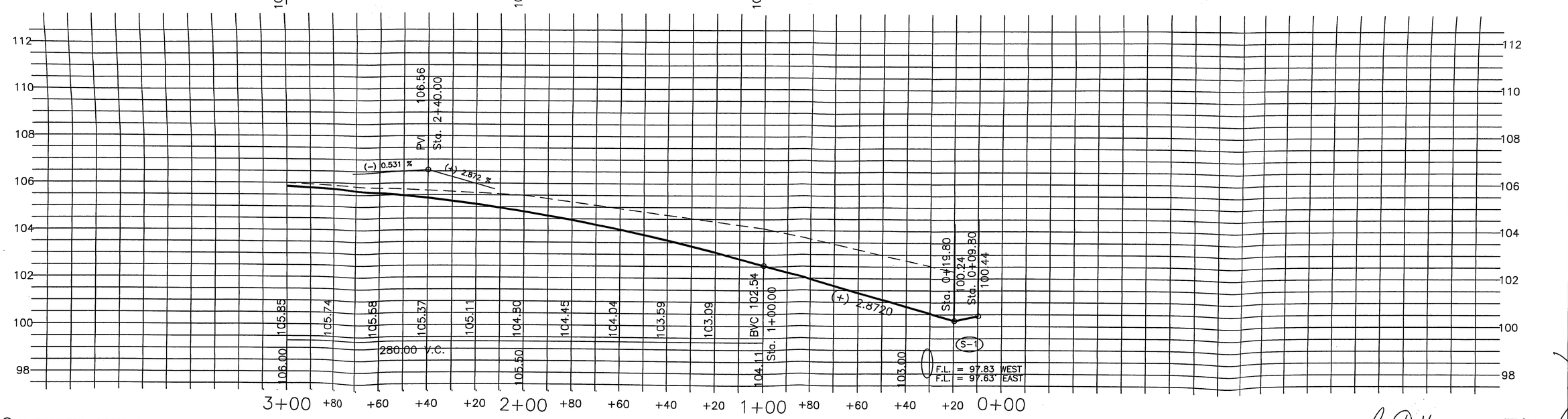
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9263 CR 417
LIVE OAK, FLORIDA 32060
386/362-4787

ROLLING MEADOWS SUBDIVISION
COLUMBIA COUNTY, FLORIDA

PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

DRAWN BY: WW
DATE: 3/7/05
PROJECT No. C-4





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SCALE: 1" = 20'

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ROLLING MEADOWS SUBDIVISION
COLUMBIA COUNTY, FLORIDA

PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

DRAWN BY: WW
DATE 3-11-05
PROJECT NO.
C-5

SCALE 1" = 20 HORIZ.
1" = 2" VERT.

Cindy Keen
3/15/05

ERP 05-0061

SCALE: 1" = 20'

55 56 57 58

Water Meters with BFP

1" WM

6" WM

Curve 2
PI Sta. 4+68.55
Delta 8°23'34.60"
D 17°21'44.49"
L = 48.34
T = 24.23
R = 330.00
PC Sta. 4+44.38
PT Sta. 4+92.72

PT Curve 2 Sta. 4+92.72

PC Curve 2 Sta. 4+44.38

S 89° 19' 21.36" E
309.43

S 80° 55' 46.56" E
157.11

Curve 1
PI Sta. 2+67.09
Delta P23°34.60"
D 17°21'44.49"
L = 48.34
T = 24.21
R = 330.00
PC Sta. 2+42.92
PT Sta. 2+91.26

PT Curve 1 Sta. 1+09.44

PC Curve 1 Sta. 0+42.92

PC Curve 3 Sta. 8+02.15

MORNING GLORY DRIVE

Fire Hydrant

106 105 104 103

MATCH LINE 103.77 103.96 104.12 104.65 105.18 105.71 105.85 MATCH LINE

112 110 108 106 104 102 100 98

280' V.C.

103.77 103.83 103.91 103.96

BVC 103.96
Sta. 7+30.00

(−) 0.5307

103.69 104.22 105.55 105.67 105.63

EVC 105.82
Sta. 3+80.00

105.90 105.93 105.92 105.85

280' V.C.

106.00

+80 +60 +40 +20 7+00 +80 +60 +40 +20 6+00 +80 +60 +40 +20 5+00 +80 +60 +40 +20 4+00 +80 +60 +40 +20 3+00

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Curtis Keen 3/15/05

SCALE 1" = 20 HORZ.
1" = 2" VERT.

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LIVE OAK, FLORIDA 32060
386/362-4787

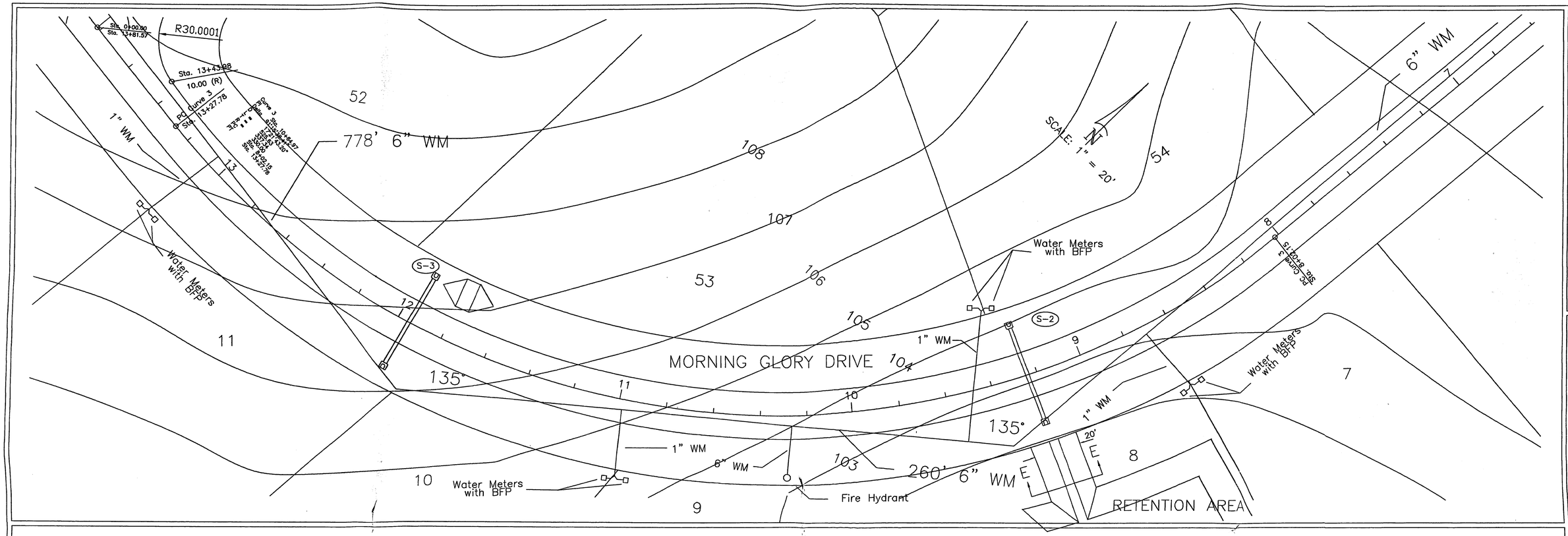
ROLLING MEADOWS SUBDIVISION
COLUMBIA COUNTY, FLORIDA

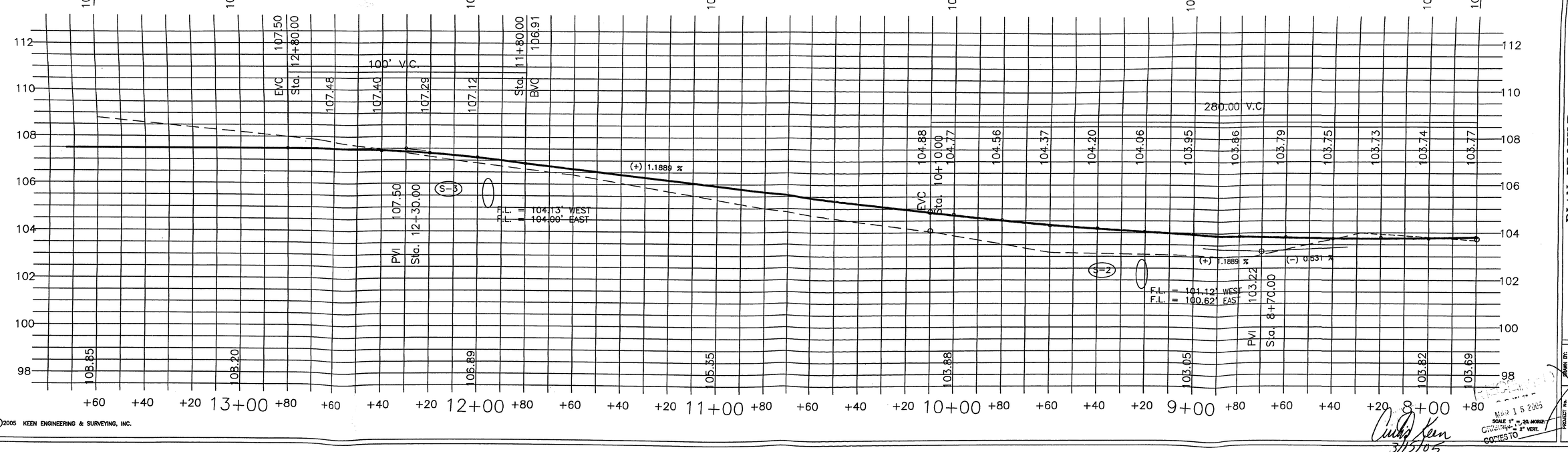
PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

PROJECT No.

DRAWN BY: WH
DATE: 3/11/05

C-6





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386/362-4787

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COLUMBIA COUNTY, FLORIDA

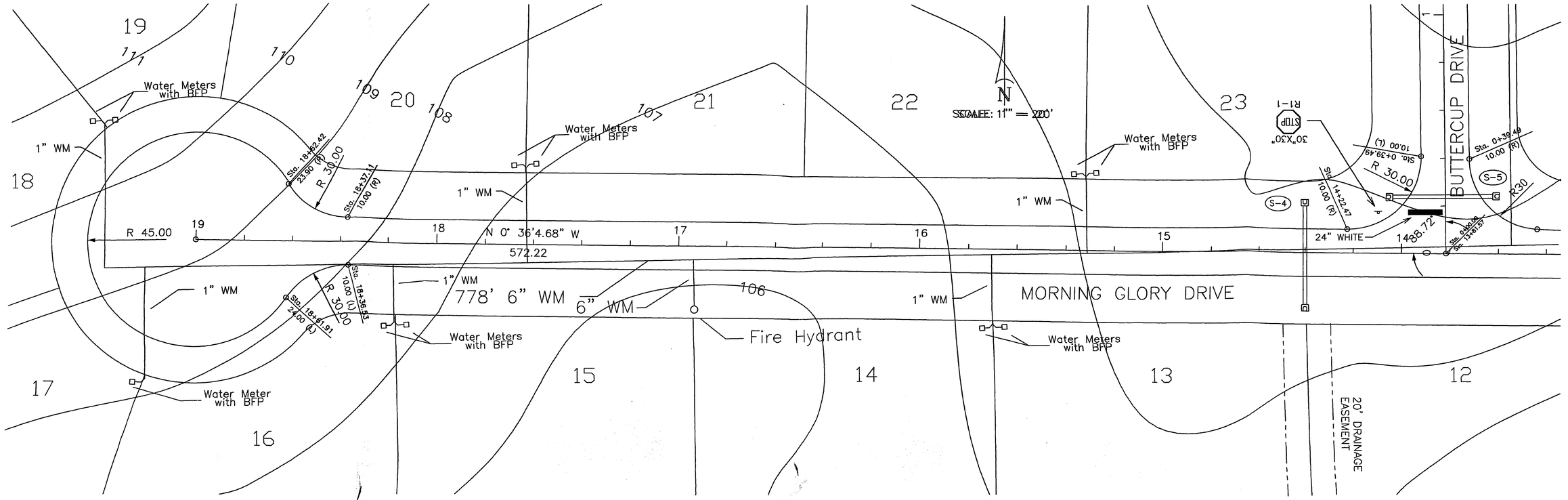
PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

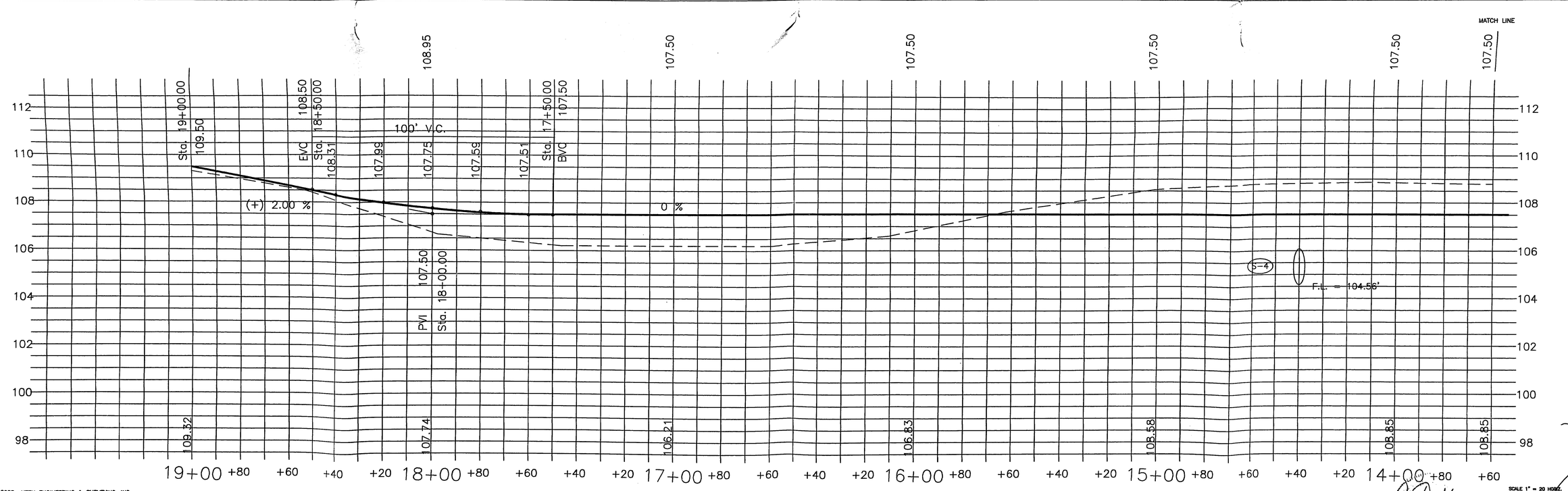
DRAWN BY: WW
DATE
PROJECT No.
C-7

MAR 15 2005
SCALE 1" = 20' HORIZ.
1" = 2' VERT.
COLUMBIA COUNTY

3/15/05

ERP 05-0061





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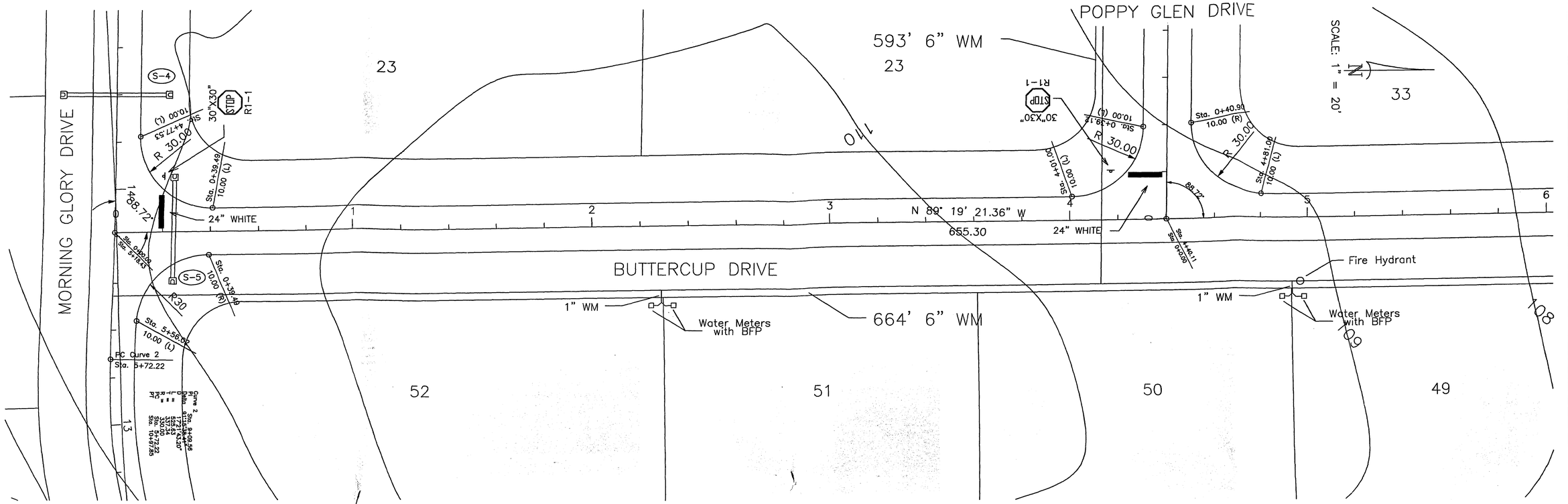
ROLLING MEADOWS SUBDIVISION
COLUMBIA COUNTY, FLORIDA

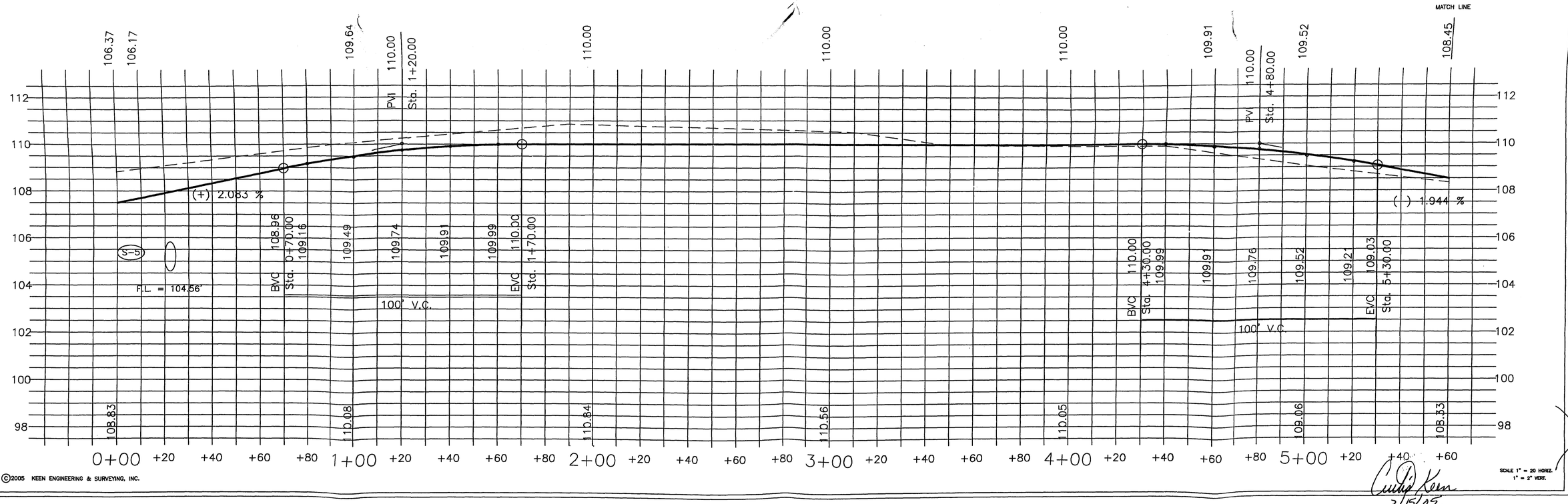
PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

DRAWN BY: WW
DATE: 3/17/05
PROJECT No.
SCALE 1" = 20 HORIZ. 1" = 2" VERT.
C-8

Curtis Keen 3/5/05

ERP 05-0061





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SCALE 1" = 20 HORIZ.
1" = 2' VERT.

3/15/05

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9263 CR 417
LIVE OAK, FLORIDA 32060
386/362-4787

ROLLING MEADOWS SUBDIVISION
COLUMBIA COUNTY, FLORIDA

PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

PROJECT No.
DRAWN BY: WW
DATE 3/11/05
C-9

LOT 33

LOT 34

10'
10'
20'
A
A
20' WIDE DRAINAGE EASEMENT

Curve 1
PI Sta. 8+80.22
Delta 88°43'16.45"
D 24°54'40.32"
T 356.15
L 224.92
R 230.00
PC Sta. 6+55.30
PT Sta. 10+11.45

PC Curve 1 Sta. 6+55.30

S-6 BUTTERCUP DRIVE

6" WM
1" WM
Water Meter with BFP
108
49
157.5'
48
106
7
8
9
135'
197' 6" WM
Water Meters with BFP
47
46
TOP OF DITCH BLOCK ELEV. 105.50
B
B
20' DRAINAGE EASEMENT SWALE DITCH
45
44
Water Meters with BFP
1" WM
197' 6" WM
1" WM
Water Meters with BFP
10'
SCALE: 1" = 20'
N

MATCH LINE 108.45

MATCH LINE 107.66

MATCH LINE 106.50

112
110
108
106
104
102
100
98

BVC 107.47
Sta 6+10.00
107.29
106.98
106.74
100' V.C.
106.59
106.51
EVC 106.50
Sta 7+10.00

(-) 1.944

PVI 106.50
Sta 6+60.00

S-6

F.L. = 104.15'

108.33
107.80
106.24
106.38
106.82
106.82

+60 +80 6+00 +20 +40 +60 +80 7+00 +20 +40 +60 +80 8+00 +20 +40 +60 +80 9+00 +20 +40

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ROLLING MEADOWS SUBDIVISION
COLUMBIA COUNTY, FLORIDA

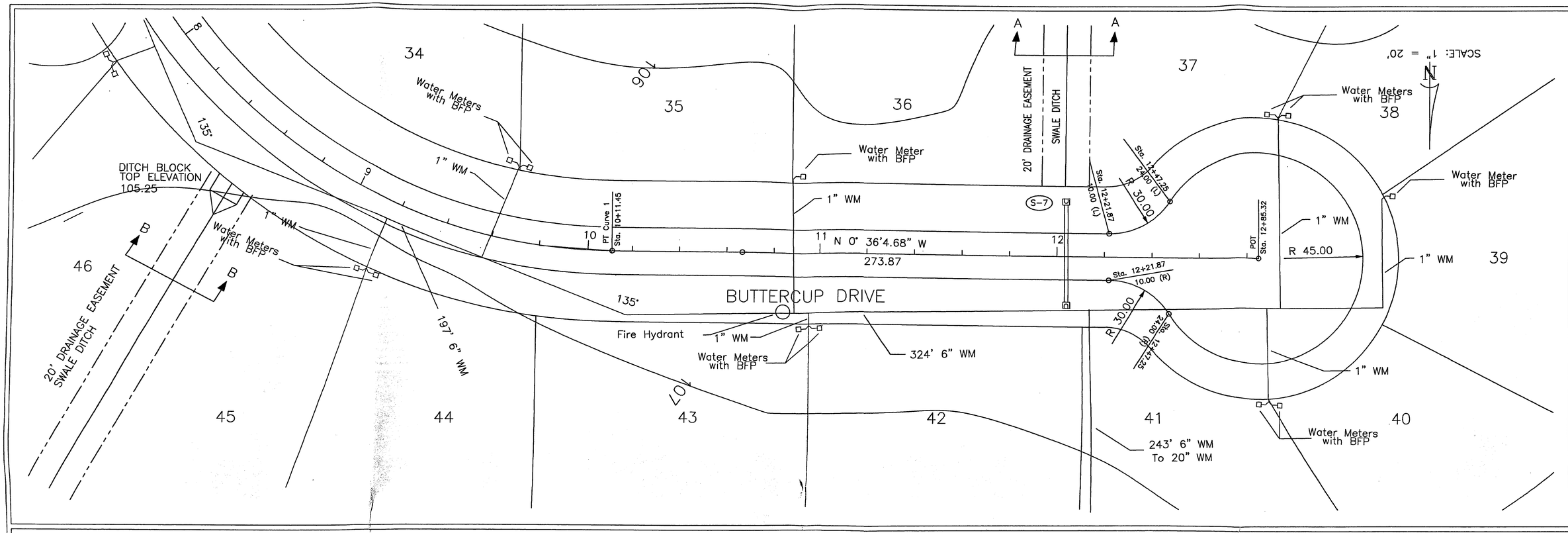
PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

DRAWN BY: WW
DATE 3/11/05
PROJECT No. C-10

RECEIVED
MAR 15 2005
SCALE 1" = 20' HORIZ.
CORRECTED 1" = 5' VERT.

Curtis Keen
3/15/05

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386/362-4787

ROLLING MEADOWS SUBDIVISION
COLUMBIA COUNTY, FLORIDA

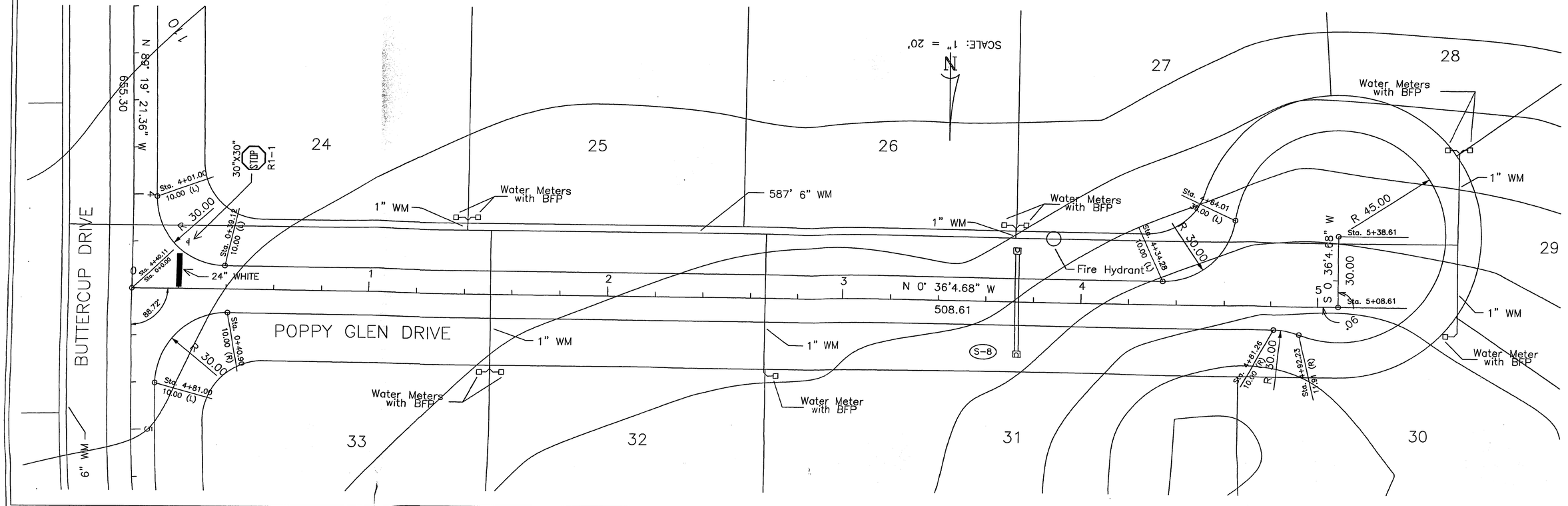
PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

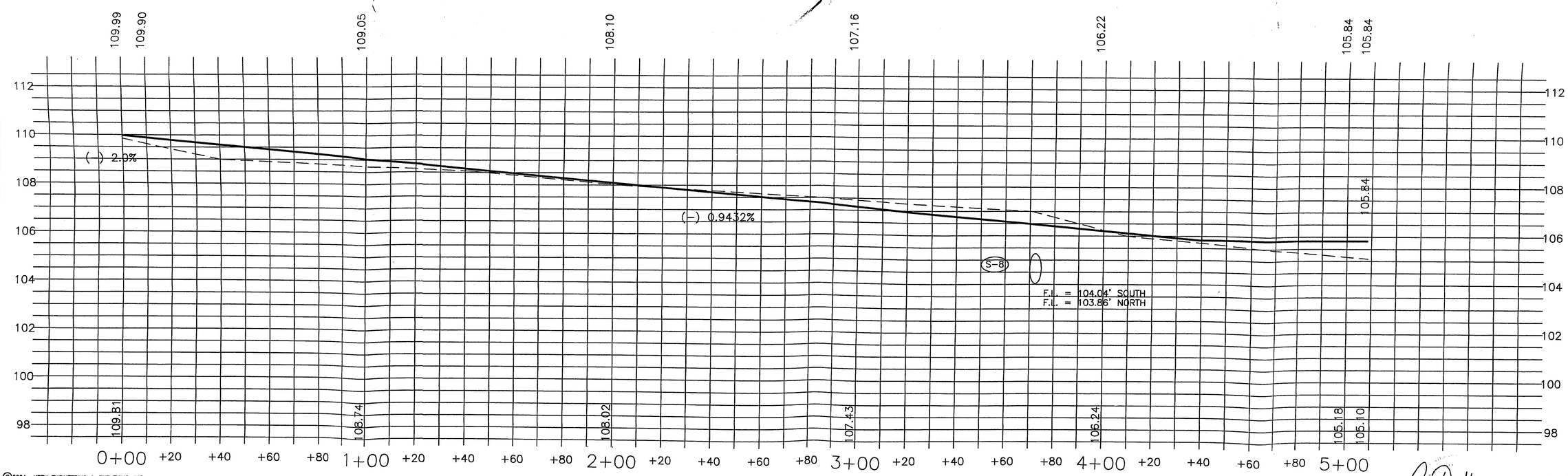
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DATE: 3/15/05
PROJECT No.
C-11

SCALE 1" = 20 HORIZ.
1" = 2" VERT.

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SCALE 1" = 20 HORZ.
1" = 2' VERT.

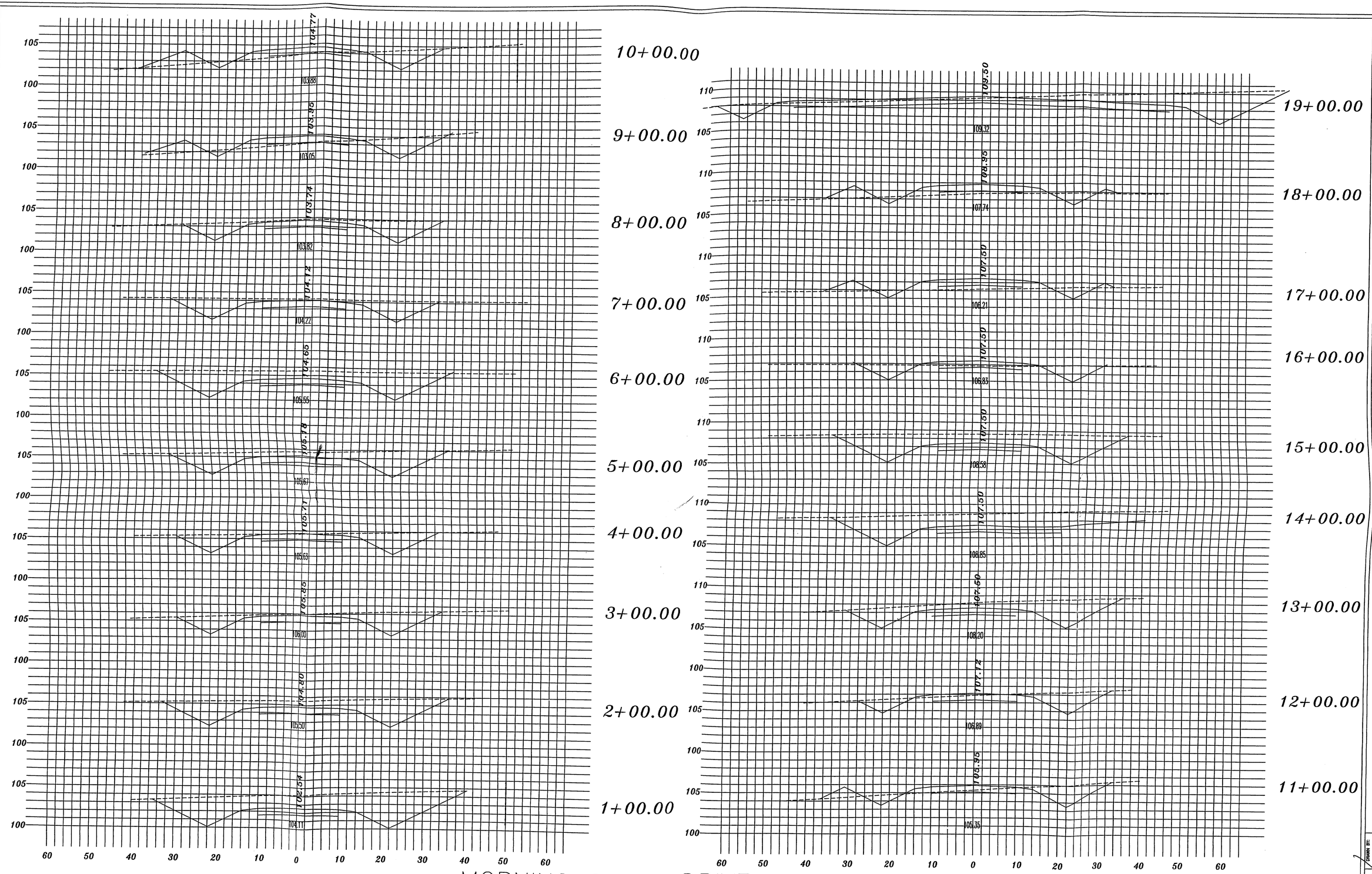
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PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

PROJECT No. C-12
DRAWN BY: MW
DATE: 3/17/05

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COLUMBIA COUNTY, FLORIDA

CROSS SECTIONS

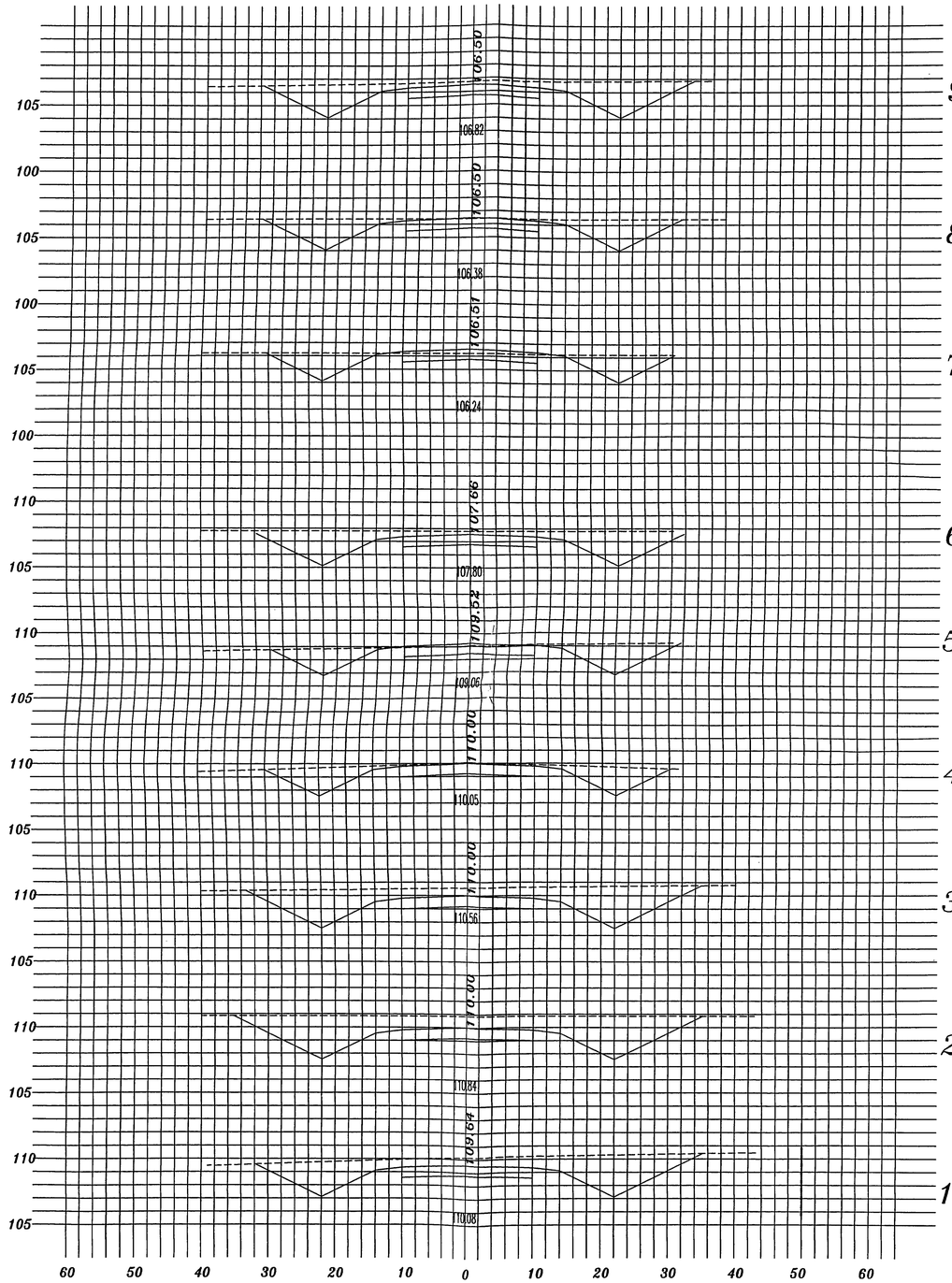
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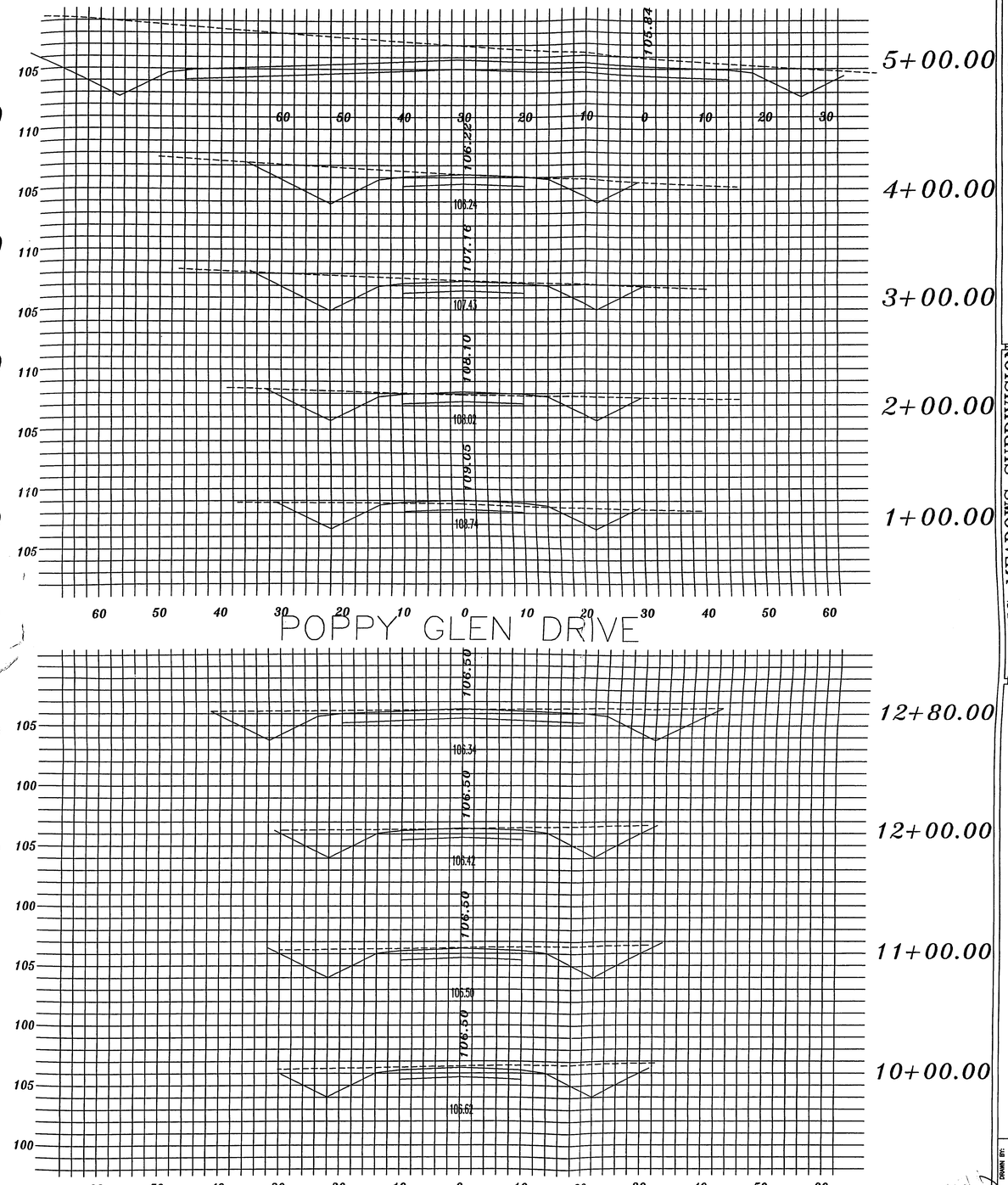
DATE 3/17/25

PROJECT NO. C-13

SCALE 1" = 10' HORIZ.
1" = 5' VERT.

Curtis Keen
3/17/25





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COLUMBIA COUNTY, FLORIDA

CROSS SECTIONS

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DATE 3/11/05
PROJECT No. C-14

Cindy Keen 3/15/05

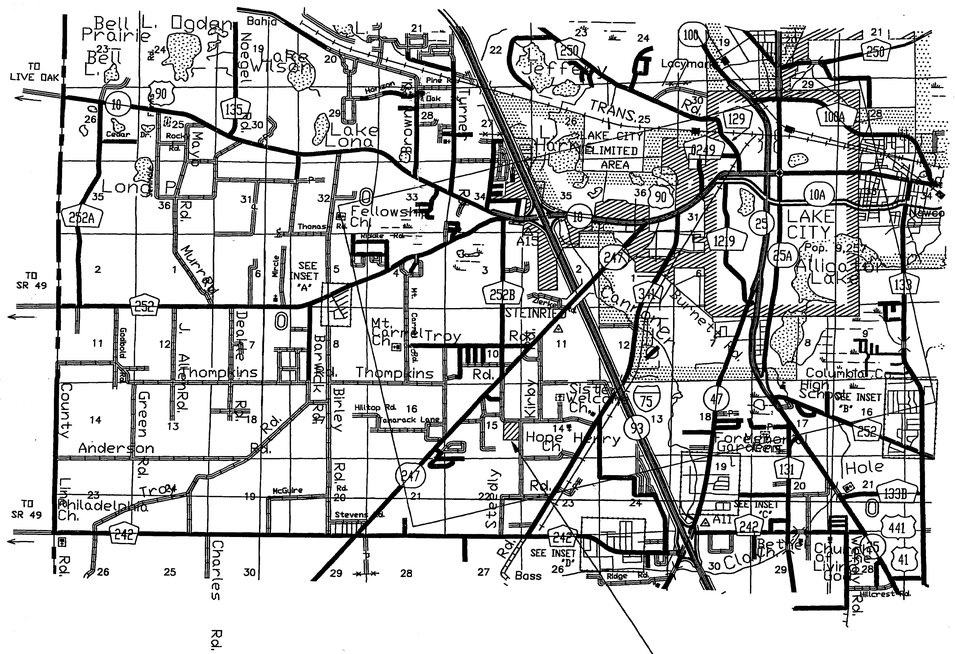
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MAR 16 2005
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1" = 5' VERT.
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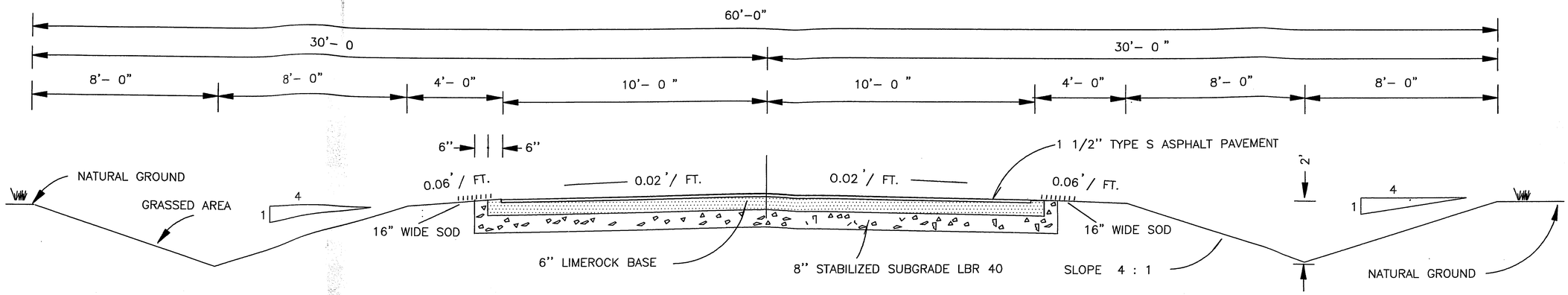
ERP 05-0061

CONSTRUCTION PLANS
FOR
ROLLING MEADOWS SUBDIVISION ROADWAY
LAKE CITY, FLORIDA

INDEX:

C-1	COVER SHEET
C-2	TYPICAL SECTION & SUMMARY OF QUANTITIES
C-3	PRELIMINARY SUBDIVISION PLAT
C-4A	EROSION & SEDIMENT CONTROL STRUCTURES
C-4	DRAINAGE WITH LOT LAYOUT
C-5	PLAN & PROFILE
C-6	PLAN & PROFILE
C-7	PLAN & PROFILE
C-8	PLAN & PROFILE
C-9	PLAN & PROFILE
C-10	PLAN & PROFILE
C-11	PLAN & PROFILE
C-12	PLAN & PROFILE
C-13	CROSS SECTIONS
C-14	CROSS SECTIONS
C-15	POTABLE WATER DETAILS
C-16	POTABLE WATER SPECIFICATIONS


TO LIVE OAK
TO SR 49
TO SR 49
Bell
Prairie
L. Dodan
Bahia
Lake Long
Fellowship Ch
Mt. Carmel Ch
Troy
Thompkins Rd.
Anderson Rd.
Philadelphia Ch.
Hope Henry Ch
Stevens Rd.
McGuire Rd.
Charles Rd.
Bass
Ridge Rd.
Jefferson
TRANS. 25
LAKE CITY LIMITED AREA
LAKE CITY
Pop. 9,28
Allig
Lacyma
Columbia Co. High School
SEE INSET "A"
SEE INSET "B"
SEE INSET "C"
Forrest Gardens
Hole
Church of the Living God
Bethel
Clay
Murray Rd.
Green Rd.
Birley Rd.
Barwick Rd.
Hilltop Rd.
Deadwood Rd.
Goodpod Rd.
Hwy 441
Hwy 90
Hwy 47
Hwy 129
Hwy 247
Hwy 242
Hwy 252
Hwy 441
Hwy 441 Bypass
Hwy 441 Alternate
Hwy 441 Business



TYPICAL SECTION – NOT TO SCALE

SUMMARY OF ROADWAY PAY ITEMS

ITEM No.	ITEM	UNIT	QUANTITY
101–1	MOBILIZATION	LS	1
120–1	EXCAVATION REGULAR	LS	1
120–2	EXCAVATION BORROW	LS	1
160–4	STABILIZATION TYPE "B" (8")	SY	10,234
285–704	LIMEROCK BASE (6")	SY	9,813
300–1–1	BIT MAT'L. (PRIME COAT)	GA	1,178
331–72–14	ASPH CONC. TYPE S (1 1/2")	SY	9,392
430–22–025	PIPE CORR STEEL CULV, (18") 16 GA.	LF	236
430–22–029	PIPE CORR STEEL CULV, (24") 16 GA.	LF	132
570–2	SEEDING & MULCHING	SY	30,262
575–1–6	SODDING (BERMUDA)	SY	3,513
710–7	PAVT MESSAGE, PAINTED	EA	3
710–2–41	TRAFFIC STRIPE SOLID (6")	NM	1.33
710–4–241	TRAFFIC STRIPE SOLID (24")(STOP)	LF	45
700–40–1	SIGN SINGLE POST (STOP)	AS	3

NOTES FOR PAY ITEMS

120–1 INCLUDES ALL EXCAVATION ON PROJECT TO LINES AS SHOWN ON PLAN & PROFILE SHEETS FOR ROADWAY/BASINS. SUITABLE SOILS EXCAVATED ON PROJECT MAY BE USED IN FILL SECTIONS.

120–2 INCLUDES ALL BORROW MATERIAL REQUIRED TO COMPLETE PROJECT TO LINES AS SHOWN ON PLAN & PROFILE SHEETS. ALL SUITABLE SOILS EXCAVATED FROM PROJECT MAY BE USED IN DEFICIENT AREAS.

300–1–1 BASED ON 0.12 GAL/S.Y.

570–2 INCLUDES FERTILIZER, SEED, MULCH, AND WATER IN PRICE BASED ON THE FOLLOWING RATES.

3,000 LBS. FERTILIZER(12–8–8) — 250 LBS QUICK GROW GRASS SEED
12.0 TONS MULCH — 625 LBS ARGENTINE BAHIA SEED
9,000 GALS WATER

710–7 CONSISTS OF 3 STOP MESSAGE

NOTES:

1. ALL ROADWAY, SODDING, STRIPING AND ROADWAY RELATED ITEMS ARE TO BE GOVERNED BY FDOT SPECIFICATIONS, CURRENT EDITION.
2. CONTRACTOR IS TO SUBMIT A FDOT APPROVED DESIGN MIX BEFORE ANY WORK IS TO COMMENCE ON PROJECT.
3. ALL ITEMS AS SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS MAY BE INCREASED, DECREASED OR OMITTED AS DIRECTED BY THE ENGINEER.
4. ALL TEST REQUIREMENTS/COSTS FOR TESTING ARE TO BE BY THE CONTRACTOR . TESTING BY AN INDEPENDENT LABORATORY
5. CONTACT THE ENGINEER FOR COLUMBIA COUNTY 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
6. THE CONTRACTOR IS TO ADHERE TO THE E&SC PLAN FROM BEFORE EARTHWORK BEGINS UNTIL AS–BUILTS ARE COMPLETED.

NOTES

1. ALL SLOPES STEEPER THAN 4 :1 TO BE SODDED
2. ALL SLOPES STEEPER THAN 3 :1 TO BE STAPLED SOD
3. ALL DISTURBED AREAS TO BE SEEDED AS FOLLOWS
   SEPTEMBER – MARCH (PERMANENT GRASS SEED AND RYE GRASS)
   APRIL – AUGUST (PERMANENT GRASS SEED AND MILLET)
4. PROVIDE TEMPORARY EROSION CONTROL MEASURES AS DIRECTED BY THE ENGINEER OR SRWMD

SPECIFICATIONS:

1. WEARING SURFACE: SECTION 300 OF FLA DOT STANDARD SPECIFICATIONS, LATEST EDITION
2. BASE COURSE: SECTION 200 OF FLA DOT STANDARD SPECIFICATIONS, LATEST EDITION
3. SUBGRADE: SECTION 160 OF FLA DOT STANDARD SPECIFICATIONS, LATEST EDITION

SUMMARY OF CORRUGATED METAL PIPE WITH MITERED END AND CONCRETE COLLARS

S – 1	60 LIN. FT. OF C.M.P.	W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 0+32 MORNING GLORY DRIVE, INVERT 97.83'
S – 2	44 LIN. FT. OF C.M.P.	W/MITERED ENDS 24" DIAMETER, 16 GAUGE, STA. 9+24 MORNING GLORY DRIVE, INVERT 101.12'
S – 3	44 LIN. FT. OF C.M.P.	W/MITERED ENDS 24" DIAMETER, 16 GAUGE, STA. 11+95 MORNING GLORY DRIVE, INVERT 104.13'
S – 4	44 LIN. FT. OF C.M.P.	W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 14+40 MORNING GLORY DRIVE, INVERT 104.56'
S – 5	44 LIN. FT. OF C.M.P.	W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 0+32 BUTTERCUP DRIVE, INVERT 104.56'
S – 6	44 LIN. FT. OF C.M.P.	W/MITERED ENDS 24" DIAMETER, 16 GAUGE, STA. 6+89 BUTTERCUP DRIVE, INVERT 104.15'
S – 7	44 LIN. FT. OF C.M.P.	W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 12+04 BUTTERCUP DRIVE, INVERT 104.06'
S – 8	44 LIN. FT. OF C.M.P.	W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 3+73 POPPY GLEN DRIVE, INVERT 104.04'
S – 9	44 LIN. FT. OF C.M.P.	W/MITERED ENDS 18" DIAMETER, 16 GAUGE, STA. 0+65 MORNING GLORY DRIVE, INVERT 98.93'

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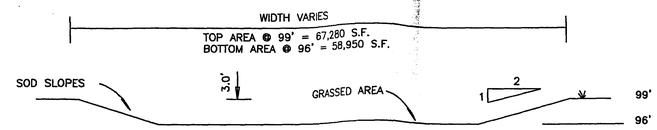
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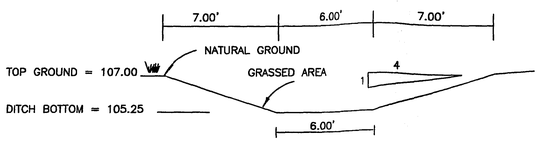
ROLLING MEADOWS SUBDIVISION ROADWAY
LAKE CITY, FLORIDA

TYPICAL SECTION
SUMMARY OF QUANTITIES

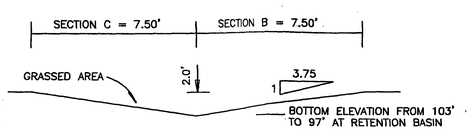
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DATE 03/11/05
PROJECT No.
TYPICAL SECTION
SHEET No. C-2



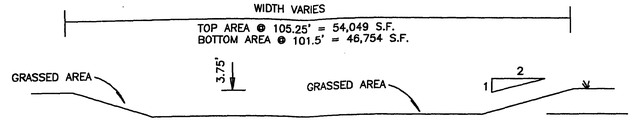
RETENTION BASIN #1 SECTION



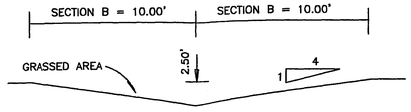
SWALE DITCH SECTION A



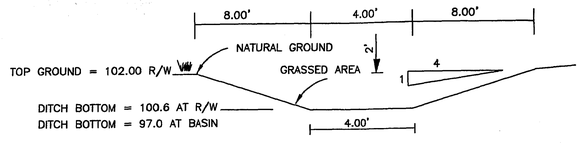
SWALE DITCH SECTION C



RETENTION BASIN #2 SECTION

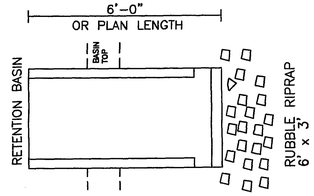


SWALE DITCH SECTION B

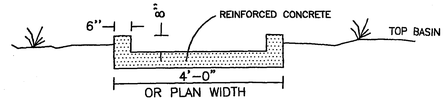


SWALE DITCH SECTION D

CONCRETE SPILLWAY INVERT ELEVATIONS:	
SPILLWAY #1	98.75
SPILLWAY #2	99.00



SECTION @ CONC. SPILLWAY



SECTION @ CONC. SPILLWAY

NOTES:

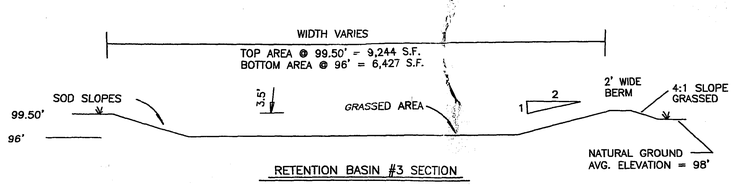
THE CONTRACTOR IS TO ADHERE TO THE E&SC PLAN FROM BEGINNING OF EARTHWORK UNTIL THE AS-BUILTS ARE COMPLETE. MAINTENANCE ITEMS FOR EROSION ARE TO BE STRICTLY ADHERED TO WITH NO EXCEPTIONS.

IF THE PROPOSED E&SC PLAN IS NOT WORKING OR DOES NOT APPEAR TO BE EFFECTIVE, THE CONTRACTOR IS TO IMMEDIATELY CONTACT THE ENGINEER AND USE THE BMPs IN THE FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL TO IMPLEMENT A PLAN THAT WILL WORK.

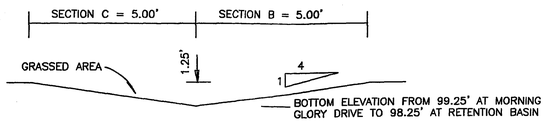
NOTE: CONTRACTOR IS TO CONSTRUCT SILT BARRIER AROUND THE PERIMETER OF THE PROPERTY.

EROSION CONTROL NOTES:

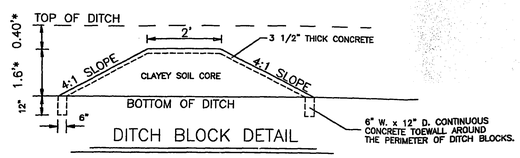
1. THE CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL DURING ALL PHASES OF CONSTRUCTION.
2. ALL DESIGNS WILL CONFORM TO & ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES (BMP'S) PUBLISHED IN THE FLORIDA DEVELOPMENT MANUAL.
3. DAILY INSPECTION – ALL EROSION CONTROL MEASURES AND CONDITION OF ADJACENT PROPERTIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR. DEFICIENCIES SHALL BE NOTED AND CORRECTED.
4. LIMITS OF CLEARING SHALL NOT EXTEND BEYOND PROPERTY LINES OR THOSE LINES MARKED "LIMITS OF CLEARING" SHOWN ON THESE PLANS.
5. ALL DISTURBED AREAS ARE TO BE GRADED SMOOTH, AND SODDED.
6. ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS OR PROJECT SEGMENT LIMITS.
7. OUTFALL PROTECTION – PROJECT PIPE OR DITCH DISCHARGES INTO OFF-SITE OUTFALLS SHALL BE INSPECTED DAILY FOR POSSIBLE SEDIMENT BUILD-UP OR TRANSPORT. OUTFALLS SHALL BE PROTECTED THROUGH USE OF ENVIRONMENTAL CONTROL FEATURES AS NECESSARY TO CONTAIN ANY SEDIMENT LOSS TO THE IMMEDIATE AREA OF THE PROJECT. ANY SEDIMENT BUILD-UP OR TRANSPORT OFF-SITE SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMEDY. IF NOT SPECIFICALLY CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL USE APPROPRIATE FEATURES AS DIRECTED BY THE ENGINEER FOR OUTFALL PROTECTION.
8. SLOPE PROTECTION – ANY DISTURBED OR REWORKED SLOPES 3:1 OR STEEPER SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF TEMPORARY SLOPE DRAINS, TEMPORARY GRASSING, SODDING, OR EROSION CONTROL MATS UNTIL PERMANENTLY STABILIZED. SUCH SLOPES SHALL NOT BE LEFT UNPROTECTED MORE THAN 24 HOURS OR DURING RAINFALL EVENTS.
9. HAY BALES – THESE SHALL BE PLACED AT THE BASE OF ANY SLOPE WHERE A RAINFALL EVENT COULD ERODE A SLOPE AND TRANSPORT SEDIMENTS OFF-SITE. BALES SHALL BE DOUBLE STAKED IN ACCORDANCE WITH FDOT STANDARD INDEXES. IF EROSION DEPOSITS REACH THE TOP ELEVATION OF EXISTING BALES, THEN THE SEDIMENTS MUST BE REMOVED. ANY DAMAGED OR INEFFECTIVE BALES ARE TO BE REPLACED WITH NEW ONES.
10. STOCKPILED MATERIALS – THIS MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR HAY BALES.
11. ALL TREES DESIGNATED TO REMAIN ON SITE SHALL BE ENCLOSED WITHIN A TREE PROTECTION BARRICADE.
12. ALL HAY BALES AND SILT FENCES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.



RETENTION BASIN #3 SECTION



SWALE DITCH SECTION E

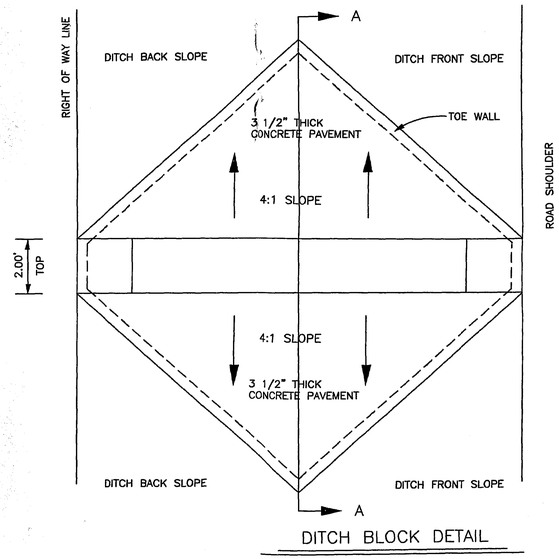


DITCH BLOCK DETAIL

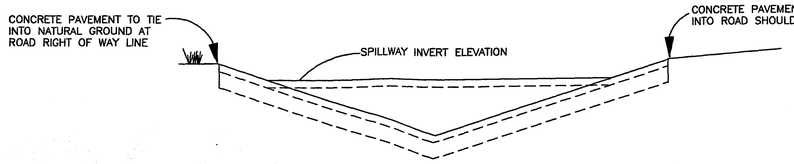
DITCH BLOCK STATIONS

0+50 RT. & LT. MORNING GLORY DRIVE, TOP ELEVATION = 100.66
8+58 RIGHT BUTTERCUP DRIVE, TOP ELEVATION = 105.25

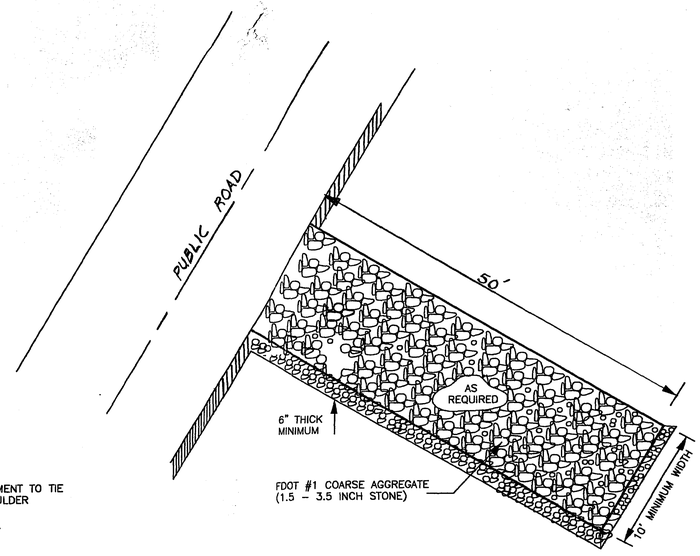
*THE ABOVE DIMENSIONS TO BE USED ONLY IF TOP ELEVATION OF SPILLWAY IS NOT SPECIFIED ON THE PLANS.



DITCH BLOCK DETAIL



DITCH BLOCK DETAIL
SECTION A – A



TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

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ROLLING MEADOWS SUBDIVISION ROADWAY
LAKE CITY, FLORIDA

SECTIONS AND DETAILS

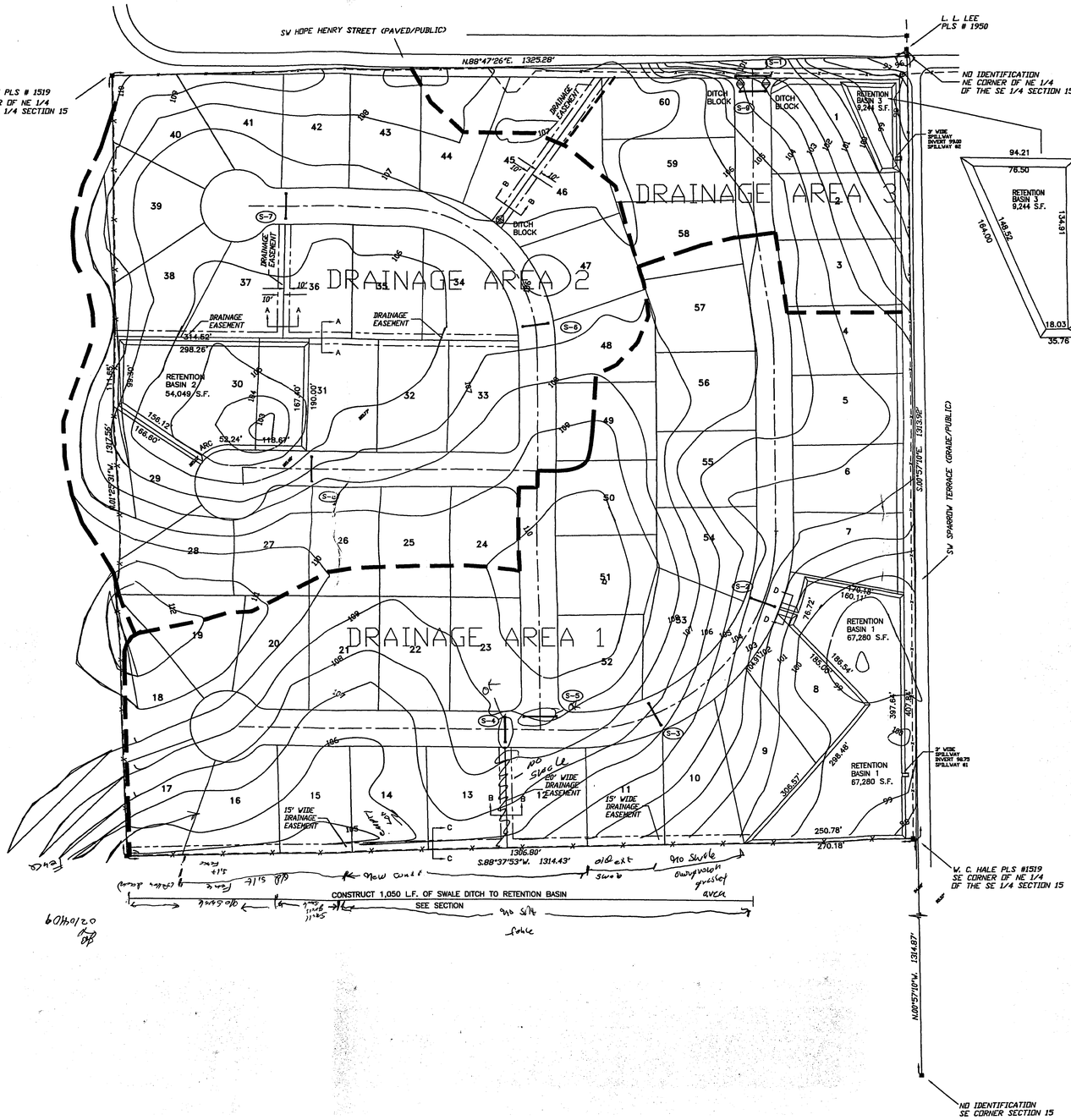
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	03/11/05
PROJECT No.	
TYPICAL SECTION	SHEET No. C-3

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ROLLING MEADOWS
LOT LAYOUT/DRAINAGE MAP
SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST,
COLUMBIA COUNTY, FLORIDA



SCALE: 1" = 100'

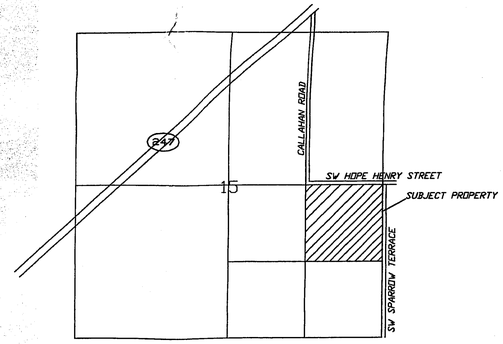
SYMBOL LEGEND

- ■ 4"X4" CONCRETE MONUMENT FOUND
- □ 4"X4" CONCRETE MONUMENT SET
- ● IRON PIPE FOUND
- ○ IRON PIN AND CAP SET
- ⊕ POWER POLE
- ▲ WATER METER
- ℄ CENTERLINE
- ✱ WELL
- ◉ SATELLITE DISH
- ⊛ TELEPHONE BOX
- —E— ELECTRIC LINES
- —X— WIRE FENCE
- —o— CHAIN LINK FENCE
- —o—o— WOODEN FENCE

MINIMUM FINISH FLOOR ELEVATIONS:

LOT 1 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 26 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 51 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE
LOT 2 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 27 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 52 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE
LOT 3 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 28 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 53 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE
LOT 4 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 29 – MINIMUM FLOOR ELEVATION 107.00'	LOT 54 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE
LOT 5 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 30 – RETENTION BASIN N/A	LOT 55 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE
LOT 6 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 31 – MINIMUM FLOOR ELEVATION 107.00'	LOT 56 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE
LOT 7 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 32 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 57 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE
LOT 8 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 33 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 58 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE
LOT 9 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 34 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 59 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE
LOT 10 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 35 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 60 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE
LOT 11 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 36 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 12 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 37 – MINIMUM FLOOR ELEVATION 107.00'	
LOT 13 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 38 – MINIMUM FLOOR ELEVATION 107.00'	
LOT 14 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 39 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 15 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 40 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 16 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 41 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 17 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 42 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 18 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 43 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 19 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 44 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 20 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 45 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 21 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 46 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 22 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 47 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 23 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 48 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 24 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 49 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	
LOT 25 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	LOT 50 – 8" MINIMUM ABOVE THE HIGHEST ADJACENT GRADE	

SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST.



LOCATION SKETCH
NOT TO SCALE

DESCRIPTION:
THE NE 1/4 OF THE SE 1/4 OF SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND.
2. BEARINGS ARE BASED ON AN ASSUMED BEARING OF S.00°57'10"E. FOR THE EAST LINE OF SAID SECTION 15.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

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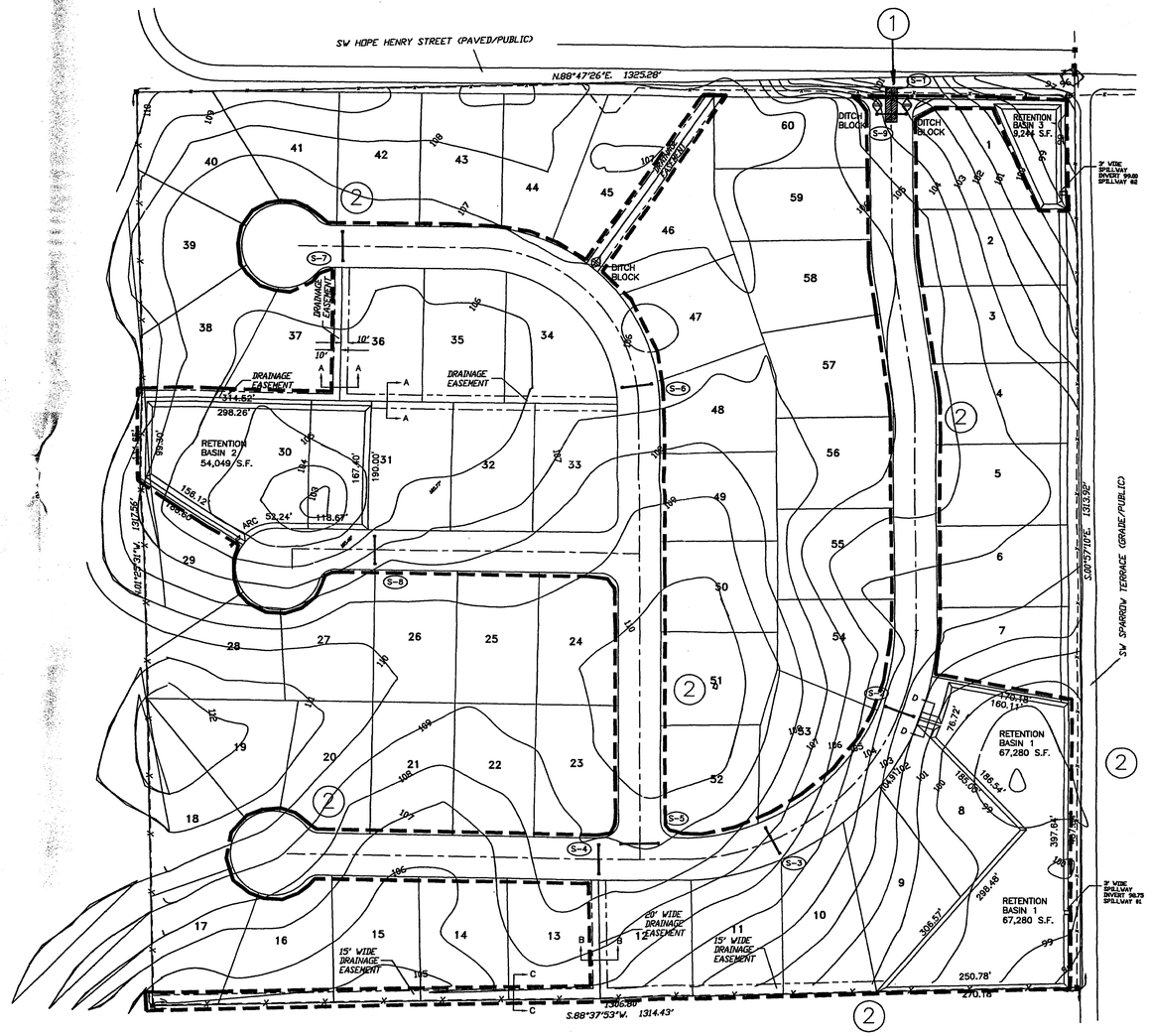
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386/362-4787

ROLLING MEADOWS SUBDIVISION
COLUMBIA COUNTY, FLORIDA

LOT LAYOUT/DRAINAGE MAP

PROJECT NO. C-4
DRAWN BY: WW
DATE: 3/11/05

ROLLING MEADOWS
EROSION AND SEDIMENT CONTROL STRUCTURES



SYMBOL LEGEND

- ■ 4"X4" CONCRETE MONUMENT FOUND
- □ 4"X4" CONCRETE MONUMENT SET
- ● IRON PIPE FOUND
- ○ IRON PIN AND CAP SET
- ⊗ POWER POLE
- ▲ WATER METER
- ℄ CENTERLINE
- ✱ WELL
- ◉ SATELLITE DISH
- ⊙ TELEPHONE BOX
- ---E--- ELECTRIC LINES
- ---x--- WIRE FENCE
- ---o--- CHAIN LINK FENCE
- ---●--- WOODEN FENCE

N

SCALE: 1" = 100'

LEGEND:

1 CONSTRUCT TEMPORARY GRAVEL CONSTRUCTION ENTRANCE AS PER SHEET C-3 DETAIL.

2 CONSTRUCT STAKED SILT BARRIER FENCE AS PER EROSION & SOIL CONTROL PLAN DETAIL.

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ROLLING MEADOWS SUBDIVISION
COLUMBIA COUNTY, FLORIDA

EROSION & SEDIMENT CONTROL STRUCTURES

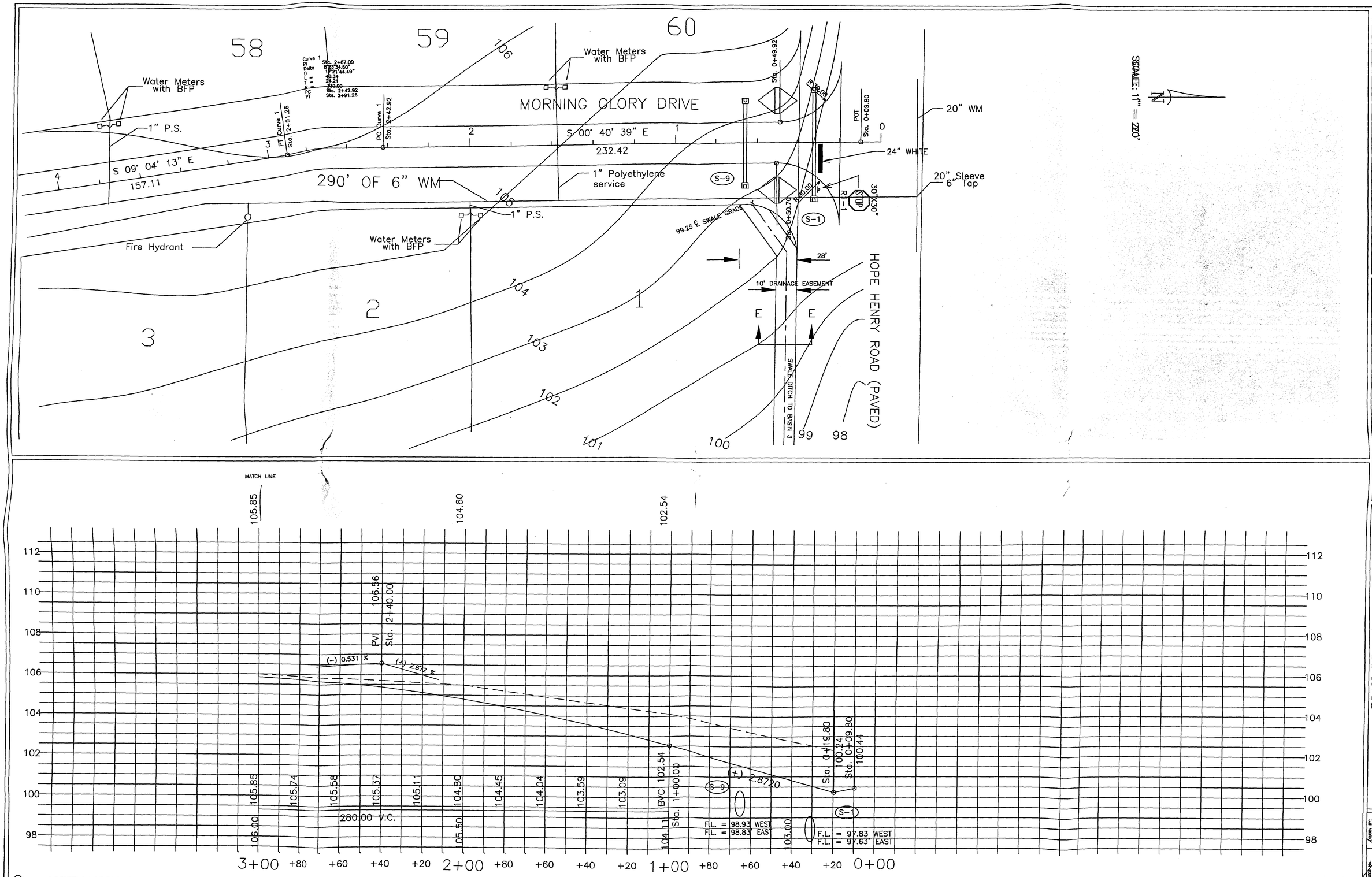
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DATE: 3/11/05

PROJECT NO. C-4A

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EPP 05-0061



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1" = 2" VERT.

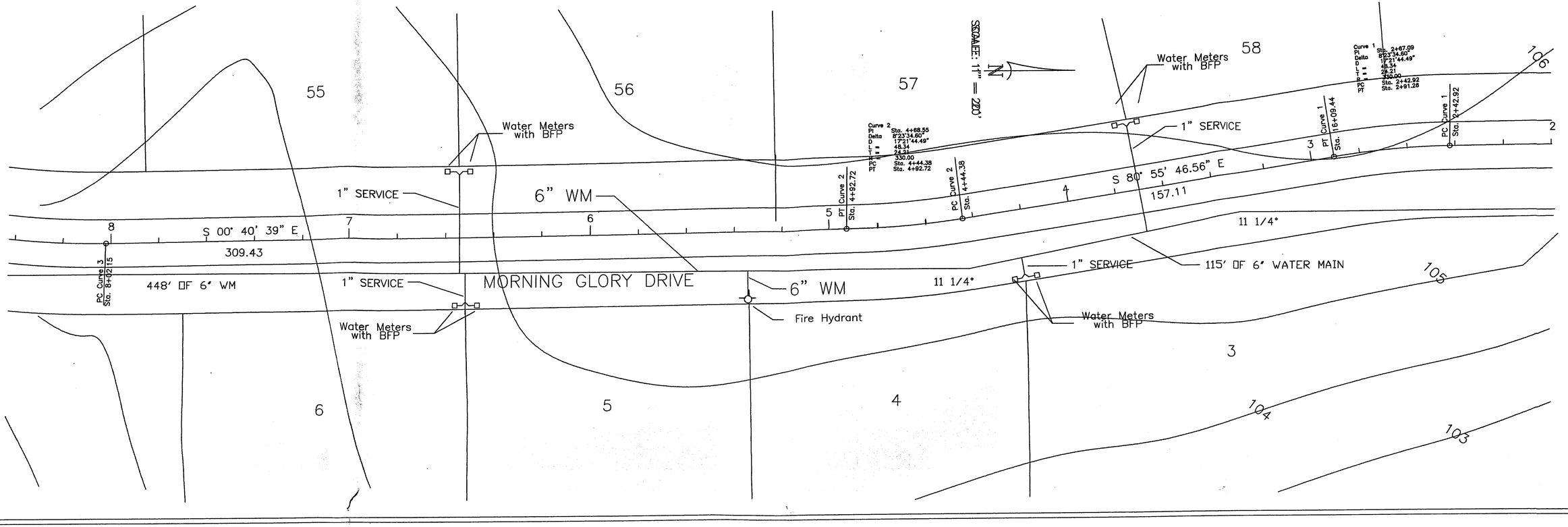
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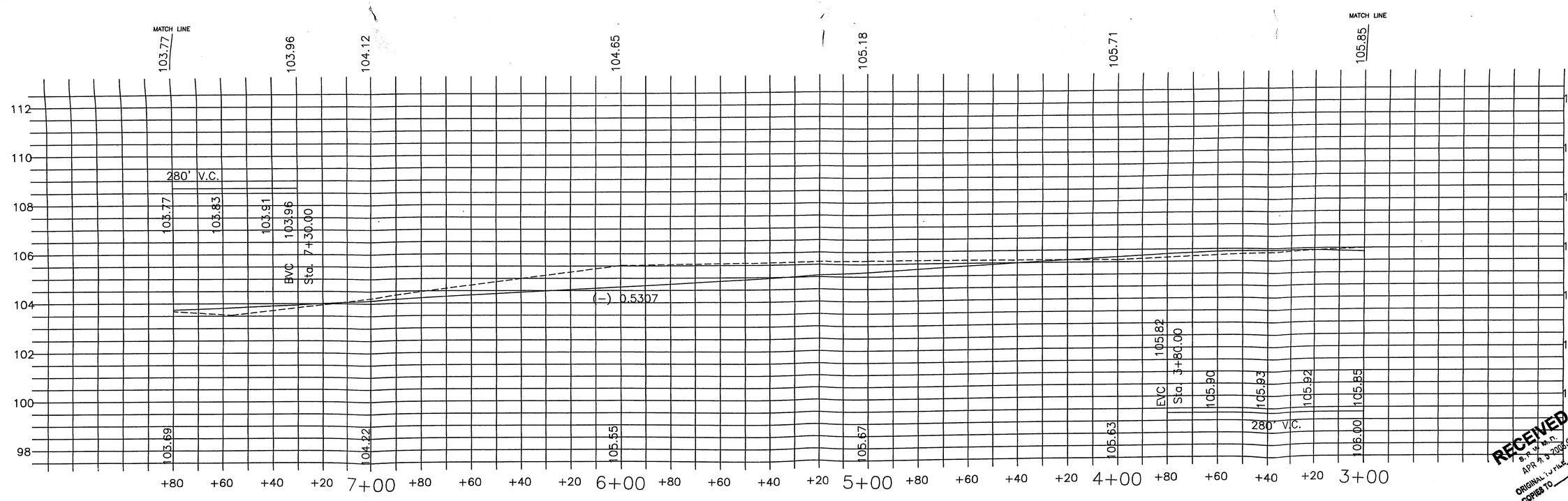
ROLLING MEADOWS SUBDIVISION
COLUMBIA COUNTY, FLORIDA

PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

PROJECT No.	DRAWN BY:	DATE
C-5	WW	9-11-05

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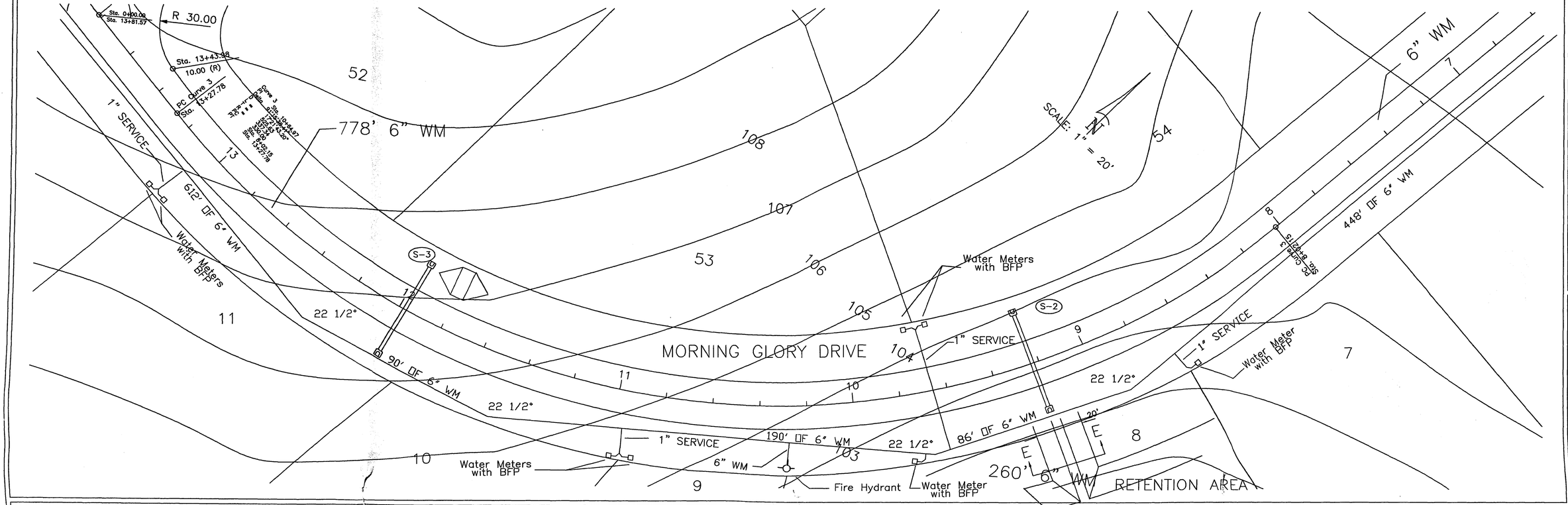
Cindy Keen
4/23/05

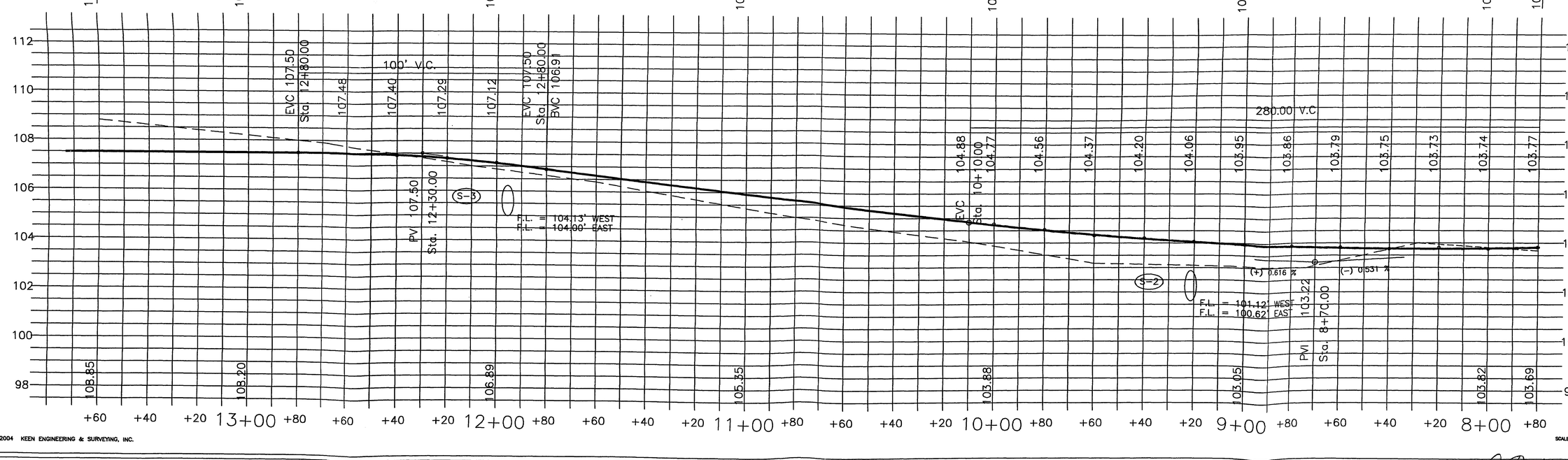
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COLUMBIA COUNTY, FLORIDA

PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

DRAWN BY: WW
DATE: 3/7/05
PROJECT No.
C-6





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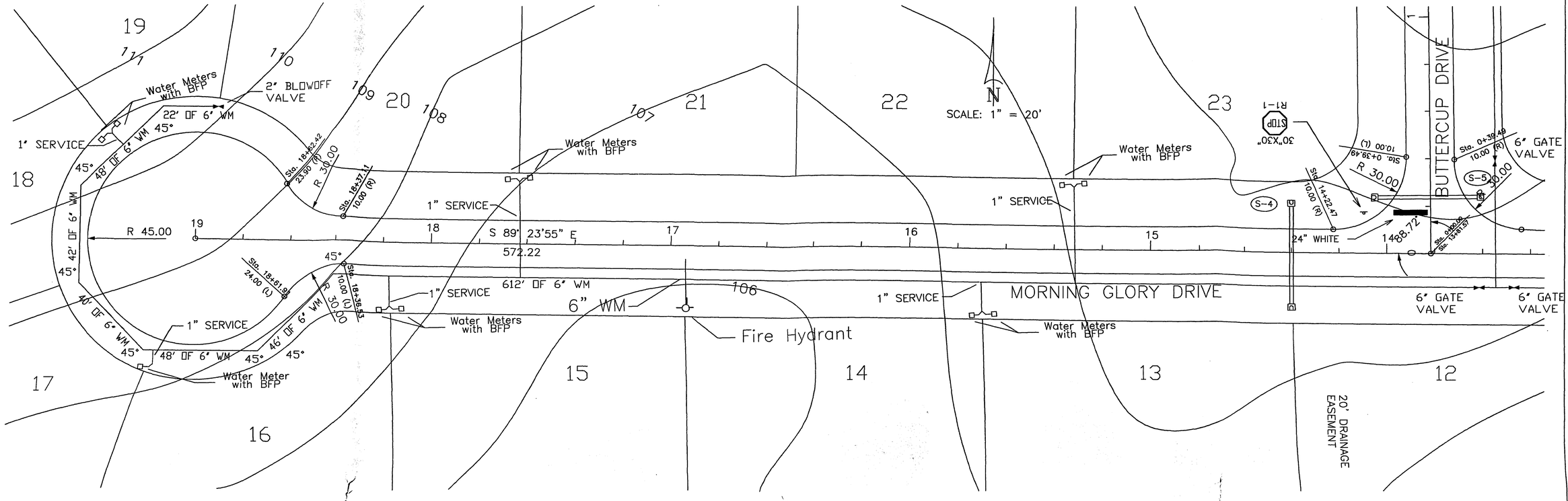
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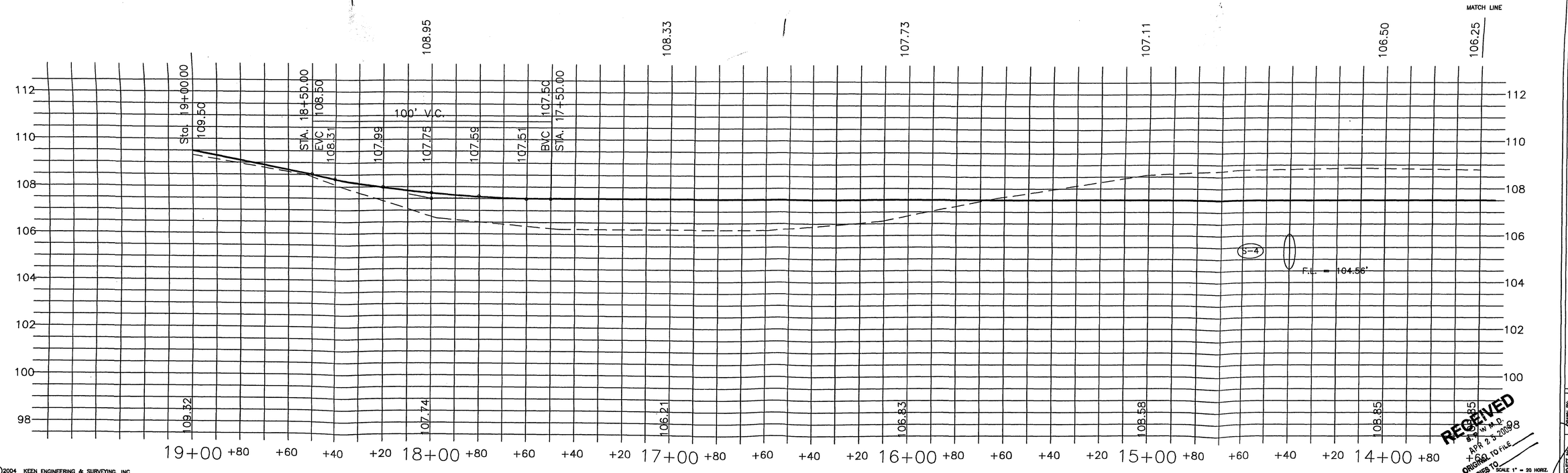
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COLUMBIA COUNTY, FLORIDA

PLAN PROFILE
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DRAWN BY: WW
DATE
PROJECT No.
C-7

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1" = 2" VERT.

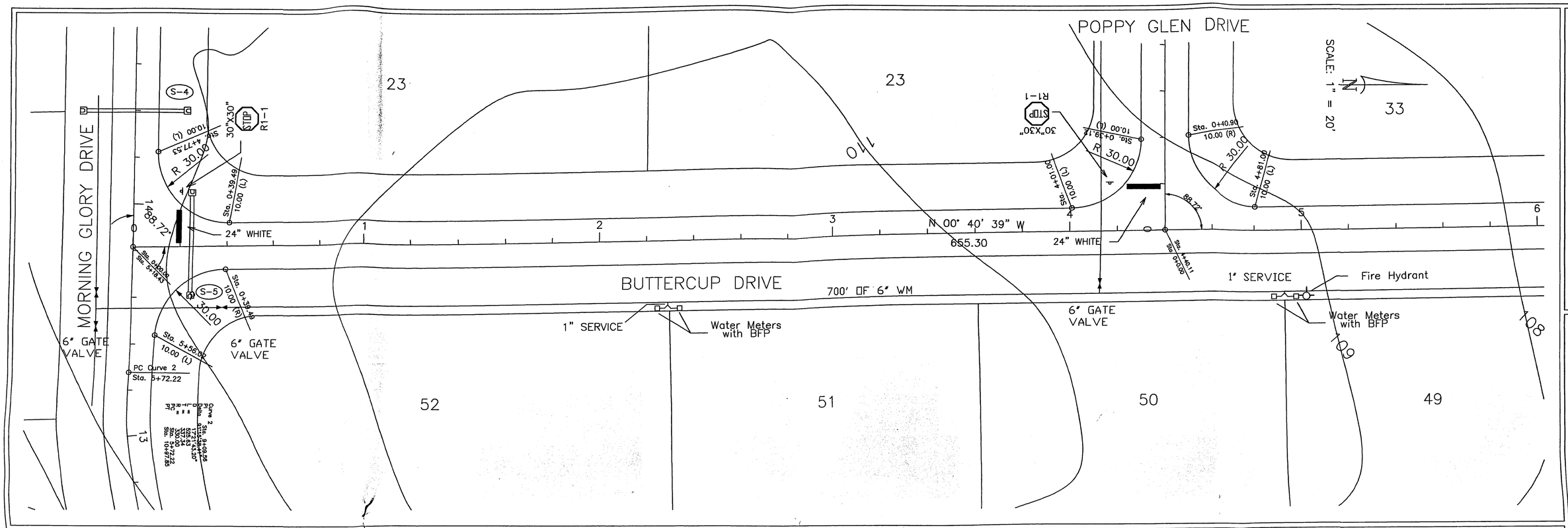
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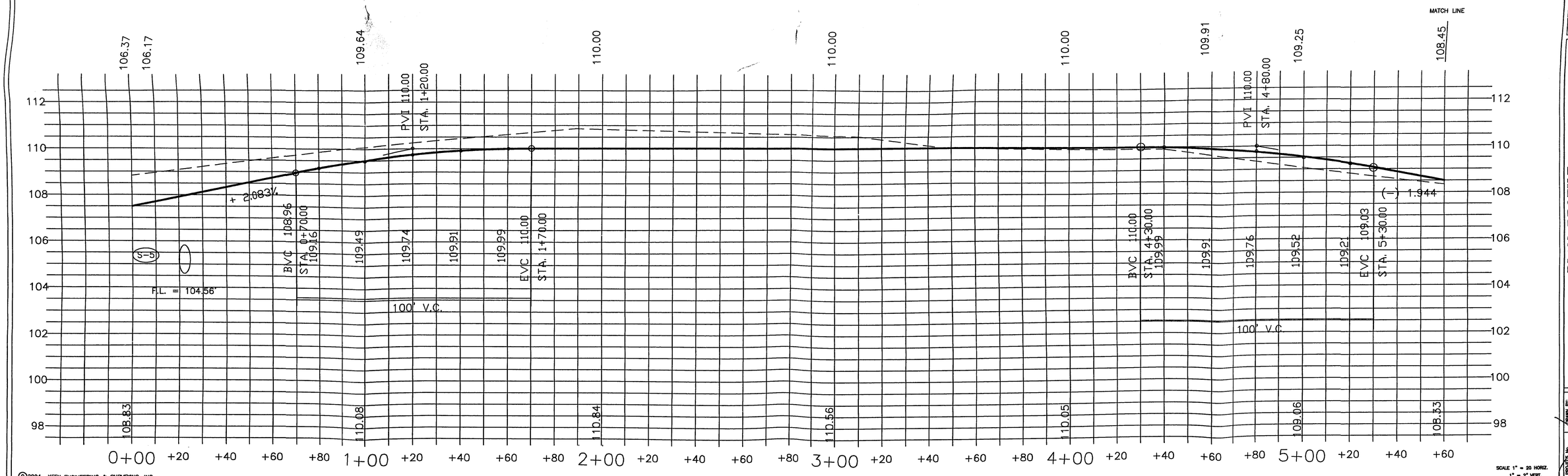
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COLUMBIA COUNTY, FLORIDA

PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

PROJECT NO.
DRAWN BY: WW
DATE: 3/11/05
C-8





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COLUMBIA COUNTY, FLORIDA

PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

PROJECT No.	DRAWN BY:	DATE
	WW	3/11/05

C-9

LOT 33

LOT 34

44

45

46

47

48

49

10' 10' 20' A A

20' WIDE DRAINAGE EASEMENT

Curve 1
Delta= 8°30'22"
Rad= 693.15'
Tan= 51.40'
Len= 102.82'
Ch= 102.73'
Ch Brg= S 24°40'32" E
PC Sta= 5+30.30
PT Sta= 6+33.12
Ext= 1.92'
Mid Ord= 1.91'

PC Curve 1 Sta. 5+55.30

S-6

BUTTERCUP DRIVE

700' ☐F 6" WM

6" WM

22 1/2°

134' ☐F 6" WM

1" SERVICE

Water Meters with BFP

Water Meter with BFP

80' ☐F 6" WM

22 1/2°

120' ☐F 6" WM

Water Meters with BFP

TOP OF DITCH BLOCK ELEV. 105.25

20'

20' DRAINAGE EASEMENT SWALE DITCH

B B

SCALE 1" = 20'

MATCH LINE 108.45

MATCH LINE 107.66

MATCH LINE 105.86

BVC 107.47
STA. 5+10.00
107.29

106.98

106.74

100 V.C.

106.59

106.51

EVC 106.50
STA. 7+10.00

(-) 1.944

PVI 106.50
STA. 5+60.00

S-6

F.L. = 104.15'

108.33

107.80

106.24

106.38

106.82

106.82

112 110 108 106 104 102 100 98

+60 +80 6+00 +20 +40 +60 +80 7+00 +20 +40 +60 +80 8+00 +20 +40 +60 +80 9+00 +20 +40

SCALE 1" = 20 HORIZ.
1" = 2" VERT.

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COLUMBIA COUNTY, FLORIDA

PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

DRAWN BY: WW
DATE: 8/17/05
PROJECT No.
C-10

Curtis Keen 9/23/05

SCALE: 1" = 20'

N

B

B

20' DRAINAGE EASEMENT
SWALE DITCH
20'

2" BLOWOFF VALVE

Water Meter with BFP

Water Meters with BFP

Water Meter with BFP

1" SERVICE

1" SERVICE

TOP OF DITCH ~~BLOCK~~
ELEV. 105.50

134' OF 6" WM

20'

Water Meters with BFP

20' DRAINAGE EASEMENT
SWALE DITCH

PT Curve 1
Sta. 10+11.45

Sta. 12+47.25
24.00 (L)

Sta. 12+21.87
10.00 (L)

30.00

S-7

POT
Sta. 12+85.32

N 89° 23'55" W
273.87

R 45.00

60' OF 4" WM

40' OF 4" WM

Sta. 12+21.87
10.00 (R)

R30

Sta. 12+47.25
24.00 (R)

50' OF 4" WM

40' OF 4" WM

Water Meters with BFP

BUTTERCUP DRIVE

135°

234' OF 6" WM

Fire Hydrant

Water Meters with BFP

324' 6" WM

6" GATE VALVE

240' OF 6" WM
To 20" WM

34 35 36 37 38 39 40 41 42 43 44 45 46

90° 90° 90° 90°

MATCH LINE

106.50 106.50 106.50 106.50 106.50

112 110 108 106 104 102 100 98

S-7

F.L. = 104.06'

106.82 106.62 106.50 106.42 106.34

+40 +60 +80 10+00 +20 +40 +60 +80 11+00 +20 +40 +60 +80 12+00 +20 +40 +60 +80

SCALE 1" = 20 HORZ.
1" = 2' VERT.

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Cynthia D. Keen
4/23/05

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COLUMBIA COUNTY, FLORIDA

PLAN PROFILE
SIGNING & PAVEMENT MARKINGS

DRAWN BY: MW
DATE: 4/1/05
PROJECT NO.
C-11

SCALE: 1" = 20'

N

N 89° 19' 21.36" W
955.30

O.T.L.

BUTTERCUP DRIVE

6" WM

GATE VALVE

30"X30" STOP R1-1

Sta. 4+01.00
10.00 (L)

R 30.00

Sta. 0+39.12
10.00 (L)

Sta. 4+40.11
Sta. 0+0.00

24" WHITE

88.72'

POPPY GLEN DRIVE

Sta. 0+40.90
10.00 (R)

R 30.00

Sta. 4+81.00
10.00 (L)

24

25

26

27

28

29

30

31

32

33

1" SERVICE

Water Meters with BFP

587' 6" WM

466' OF 6" WM

S 89° 23'55" E
508.61

Water Meters with BFP

1" SERVICE

Fire Hydrant

Sta. 4+34.28
10.00 (L)

R 30.00

70' OF 6" WM

Sta. 4+04.01
10.00 (L)

44' OF 6" WM

34' OF 6" WM

Water Meters with BFP

2" BLOWOFF VALVE

R 45.00

Sta. 5+38.61

S 0° 36'4.68" W
30.00

Sta. 5+08.61

.06'

1" SERVICE

1" SERVICE

S-8

Water Meters with BFP

Water Meter with BFP

Sta. 4+81.26
10.00 (R)

R 30.00

Sta. 4+92.23
17.91 (R)

84' DRAINAGE EASEMENT ON LOT 31

LOT LINE

RETENTION BASIN

109.99 109.90 109.05 108.10 107.16 106.22 105.84 105.84

112 110 108 106 104 102 100 98

(–) 2.0%

(–) 0.919%

105.84

S-8

F.L. = 104.04' SOUTH
F.L. = 103.86' NORTH

109.81 108.74 108.02 107.43 106.24 105.18 105.10

0+00 +20 +40 +60 +80 1+00 +20 +40 +60 +80 2+00 +20 +40 +60 +80 3+00 +20 +40 +60 +80 4+00 +20 +40 +60 +80 5+00

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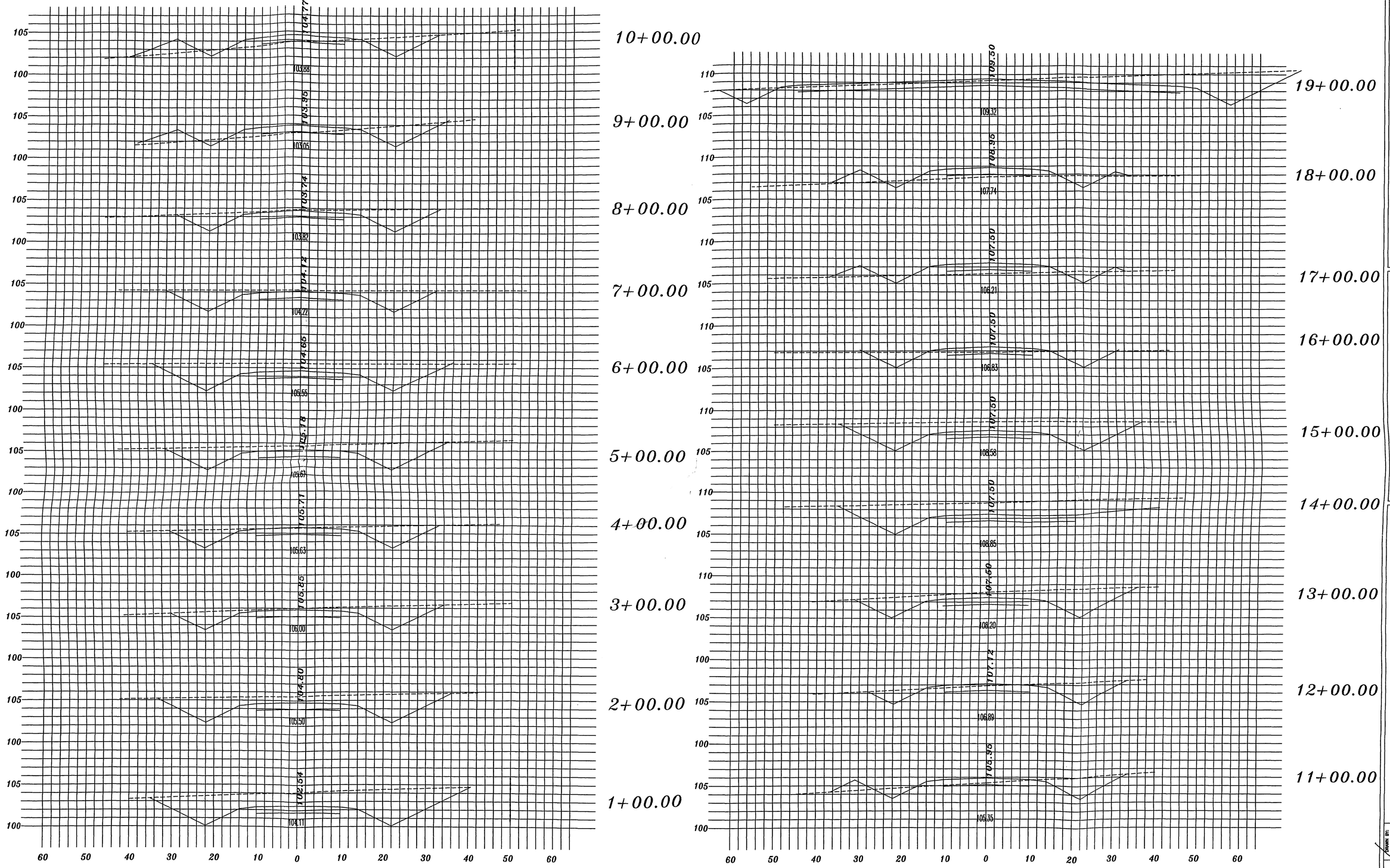
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DATE: 3/21/05
PROJECT NO.
C-12

SCALE 1" = 20 HORZ.
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4/23/05

ERP 05-0061



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COLUMBIA COUNTY, FLORIDA

CROSS SECTIONS

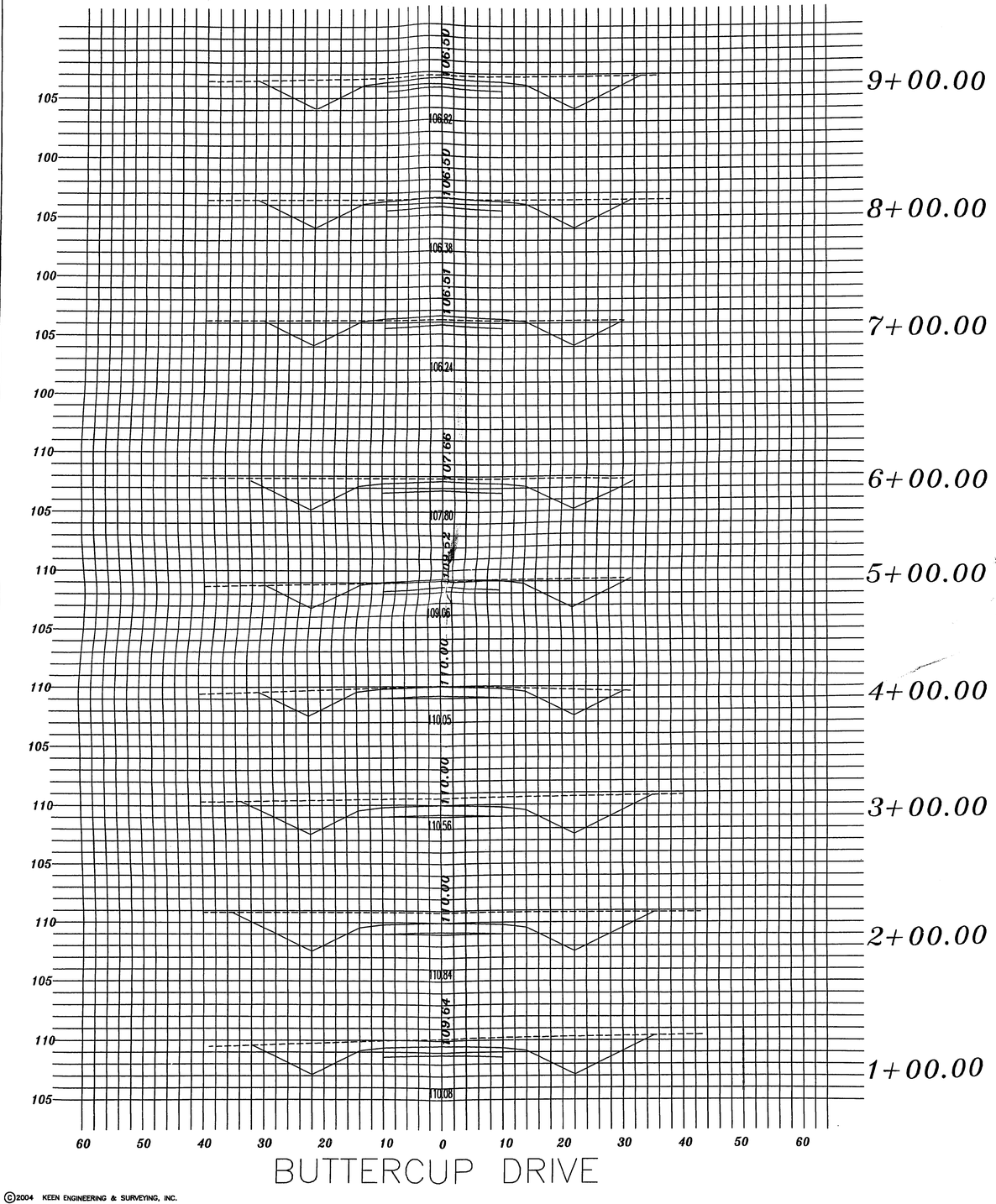
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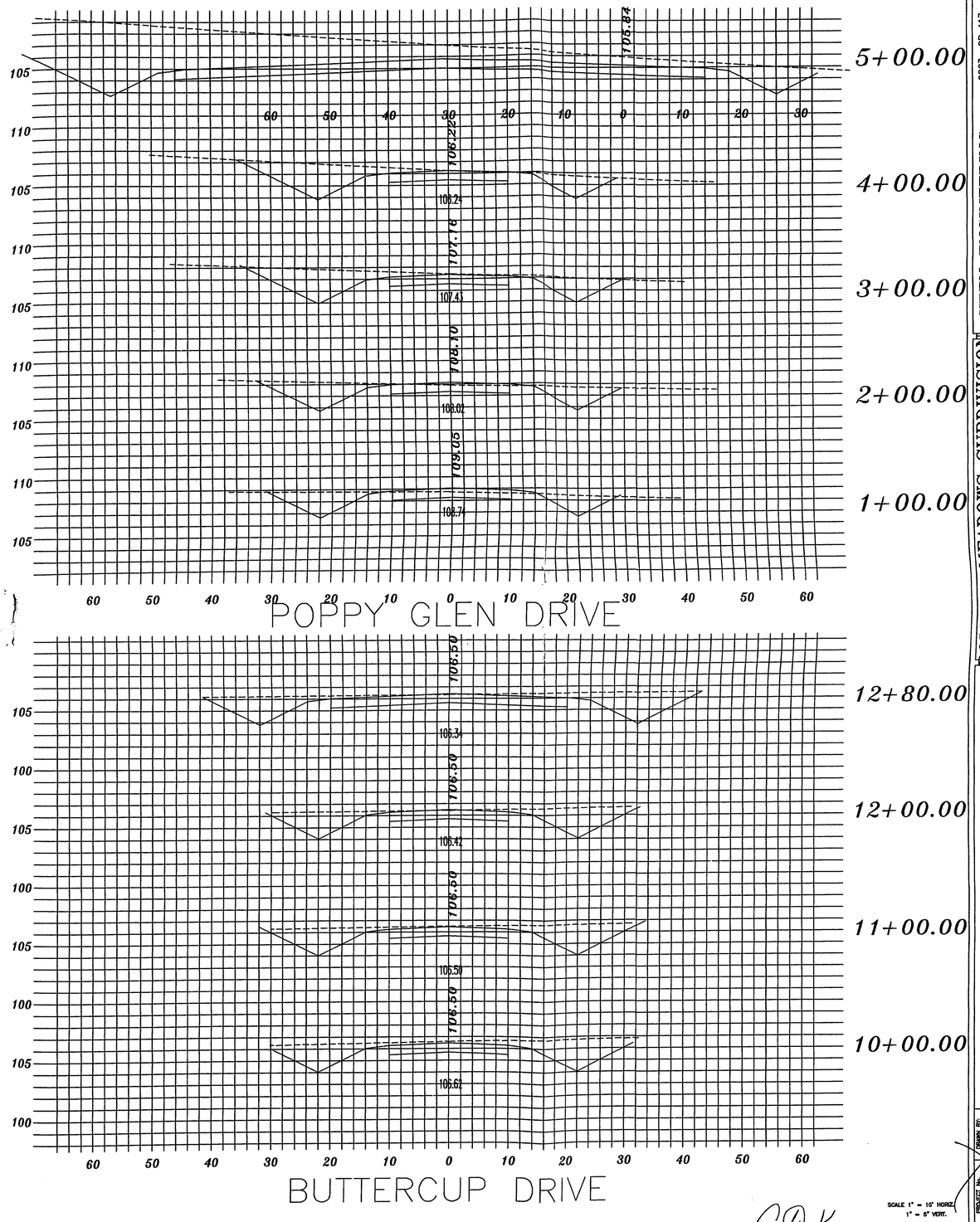
DATE: 2/11/05

PROJECT No. C-13

SCALE 1" = 10' HORIZ.
1" = 5' VERT.

Curtis Keen
4/23/05





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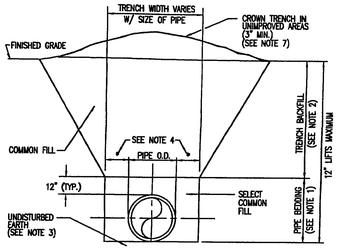
CROSS SECTIONS

PROJECT No. C-14
DRAWN BY:
DATE 3/7/05

SCALE 1" = 10' HORIZ.
1" = 5' VERT.

Cindy Keen
4/23/05

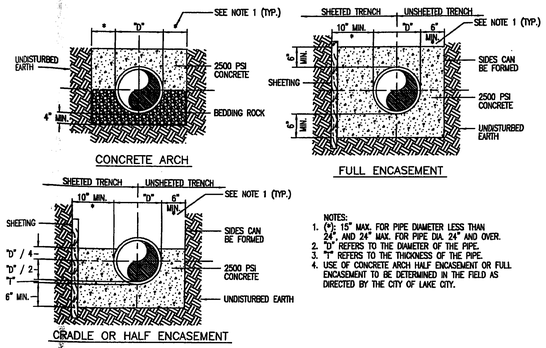
CITY OF LAKE CITY UTILITY STANDARDS DETAILS



NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY THE CITY OF LAKE CITY.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY OR COUNTY RIGHT-OF-WAY SHALL COMPLY WITH THE APPLICABLE REGULATIONS.

TYPE B BEDDING AND TRENCHING DETAIL

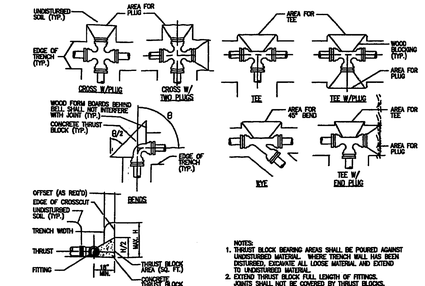
Dwg: Q101



NOTES:
1. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIA. 24" AND OVER.
2. "D" REFERS TO THE DIAMETER OF THE PIPE.
3. "T" REFERS TO THE THICKNESS OF THE PIPE.
4. USE OF CONCRETE ARCH HALF ENCASEMENT OR FULL ENCASEMENT TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY OF LAKE CITY.

CONCRETE ARCH and ENCASEMENT DETAILS

Dwg: Q102



SCHEDULE FOR THRUST BLOCK AREAS *

PIPE SIZE (INCHES)	90 BEND (SQ FT)	45 BEND (SQ FT)	22-1/2 BEND (SQ FT)	11-1/4 BEND (SQ FT)	TEE & PLUG (SQ FT)	DESIGN PRESS (PSI)
4						
6						
8						
10						
12						

NOTE: THRUST BLOCK AREAS TO BE COMPUTED ON BASIS OF 1,500 PSF SOIL RESTRAINT BEARING. (1,000 PSF SEE NOTE 5)

* TO BE COMPLETED BY ENGINEER.

NOTES:
1. THRUST BLOCK BEARING AREAS SHALL BE POURED AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE ALL LOOSE MATERIAL AND EXTEND TO UNDISTURBED MATERIAL.
2. EXTEND THRUST BLOCK FULL LENGTH OF FITTINGS. JOINTS SHALL NOT BE COVERED BY THRUST BLOCKS. FITTINGS SHALL BE PROTECTED BY POLYETHYLENE FILM (8 MIL.) PRIOR TO PLACING CONCRETE THRUST BLOCK.
3. ROUGH BLOCKING FORMS SHALL BE USED ALONG SIDES OF THRUST BLOCKS, AS REQUIRED.
4. THRUST BLOCKS SHALL BE USED IN COMBINATION, AS REQUIRED, TO SUIT THE SPECIFIC FITTING ARRANGEMENT.
5. ALTERNATE DESIGNED RESTRAINING SYSTEMS SHALL BE PROVIDED WHERE STANDARD THRUST BLOCKING IS NOT SUITABLE AND/OR SOIL RESISTANCE BEARING IS LESS THAN 1500 PSF.
6. ALL WOOD BLOCKING SHALL BE PRESSURE TREATED WITH PRESERVATIVE.

THRUST BLOCK DETAIL

Dwg: Q103

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *	PIPE SIZE								
	6"	8"	10"	12"	16"	20"	24"	30"	36"
90° BEND									
45° BEND									
22-1/2° BEND									
11-1/4° BEND									
PLUG OR BRANCH OF TEE									

NOTES:
1. FITTINGS SHALL BE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN SHOWN IN THE TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
5. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, WITH THE FOLLOWING ASSUMPTIONS:

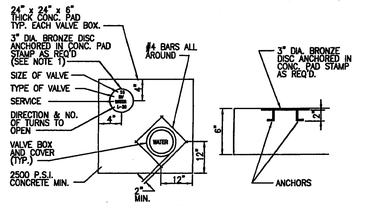
   WORKING PRESSURE: _____ P.S.I.*
   SOIL DESIGNATION: _____ *
   LAYING CONDITIONS: _____ *

6. FOR PIPE ENCASED IN POLYETHYLENE, USE VALUES GIVEN IN PARENTHESES OR INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.

* TO BE COMPLETED BY THE ENGINEER.

RESTRAINED PIPE DETAIL

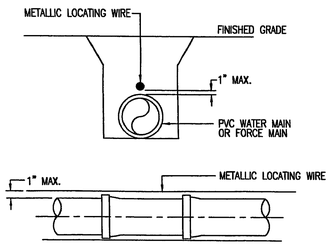
Dwg: Q104



NOTES:
1. BRONZE IDENTIFICATION DISC SHALL BE REQUIRED FOR ALL VALVES.

VALVE COLLAR DETAIL

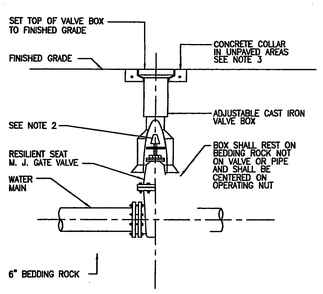
Dwg: Q107



NOTES:
PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (14 GAUGE COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE. LOCATING WIRE SHALL TERMINATE AT THE TOP OF EACH VALVE BOX AND BE CAPABLE OF EXTENDING 12" ABOVE TOP OF BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION. USE DUCT TAPE AS NECESSARY TO HOLD WIRE DIRECTLY ON THE TOP OF THE PIPE.

PVC PIPE LOCATING WIRE DETAIL

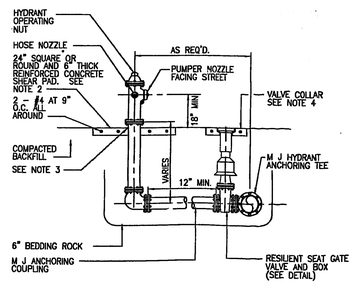
Dwg: Q108



NOTES:
1. PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
2. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO COME UP TO 4 FOOT DEPTH BELOW FINISHED GRADE.
3. VALVE COLLAR SHALL BE 18"X18"X6" CONCRETE COLLAR W/4 – #4 BARS.

GATE VALVE AND BOX DETAIL

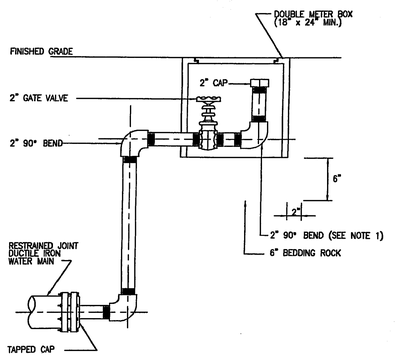
Dwg: Q400



NOTES:
1. FIRE HYDRANT SHALL BE SUPPLIED WITHOUT A WEEP HOLE, OR WITH A PERMANENTLY PLUGGED WEEP HOLE.
2. THE DEVELOPER MAY INSTALL THE SHEAR PAD RECESSED UP TO 4 INCHES BELOW FINISHED GRADE AND SOD THE RECESSED SECTION.
3. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE A 6" MINIMUM.
4. VALVE COLLAR SHALL BE 18"X18"X6" CONCRETE COLLAR W/4 – #4 BARS

FIRE HYDRANT ASSEMBLY DETAIL

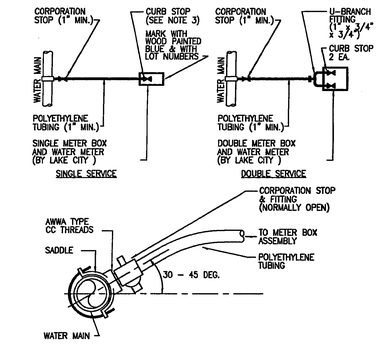
Dwg: Q402



NOTES:
1. ALL 2" PIPE AND FITTINGS SHALL BE SCHEDULE 40 GALVANIZED STEEL OR BRASS WITH THREADED (NPT) JOINTS.
2. BEND SHALL BE ROTATED APPROXIMATELY 20° FROM VERTICAL.

BLOW OFF VALVE DETAIL

Dwg: Q403



NOTES:
1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
3. EACH SERVICE SHALL TERMINATE AT A CURB STOP(S) WHICH SHALL BE BURIED APPROXIMATELY 3" BELOW FINAL GRADE AND SHALL BE CLEARLY MARKED WITH A 2" X 2" X 18" STAKE WITH THE TOP PAINTED BLUE AND MARKED WITH THE NUMBER OF THE LOT(S) TO BE SERVED.
4. INDENT CURB WITH "W" AT EACH WATER SERVICE LOCATION

WATER SERVICE CONNECTION DETAILS

Dwg: Q405

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KEEN ENGINEERING & SURVEYING, INC.
LIVE OAK, FLORIDA 32060
386/362-4787
ENG. LIC. EB 3761
9263 CR 417

ROLLING MEADOWS SUBDIVISION ROADWAY
LAKE CITY, FLORIDA

POTABLE WATER SPECIFICATIONS

DRAWN BY:	DATE
	03/11/05

PROJECT No.
WATER SPECS
SHEET No. C-15

4/23/05

ERP 05-006E

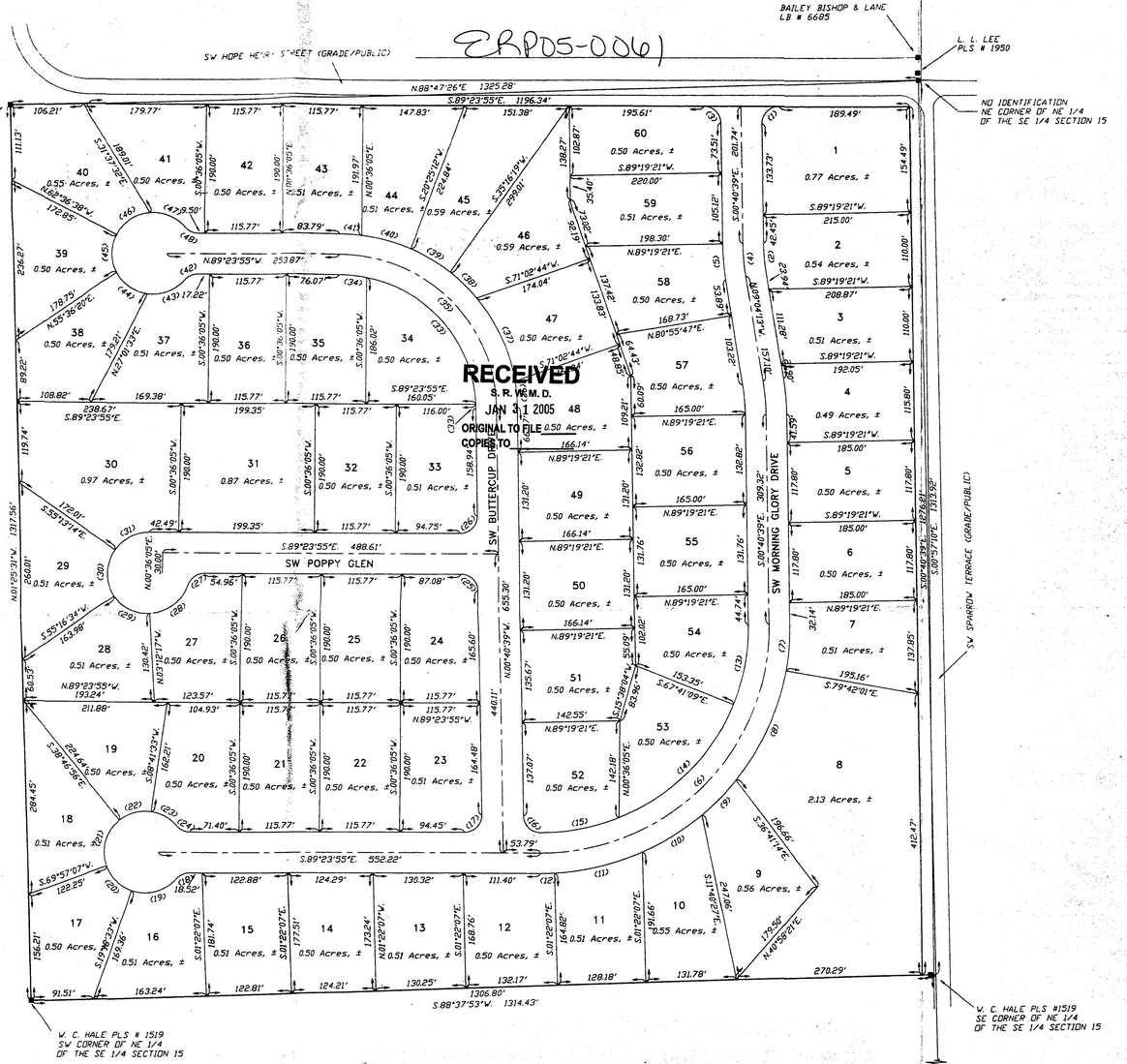
NOT FOR FINAL RECORDING

A PRELIMINARY PLAN OF:

ROLLING MEADOWS

SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST,
COLUMBIA COUNTY, FLORIDA

ERP05-0061



SYMBOL LEGEND:

- ■ 4"X4" CONCRETE MONUMENT FOUND
- □ 4"X4" CONCRETE MONUMENT SET
- ● IRON PIPE FOUND
- ○ IRON PIN AND CAP SET
- ⊗ POWER POLE
- ▲ WATER METER
- ℄ CENTERLINE
- ⊕ WELL
- SATELLITE DISH
- TELEPHONE BOX
- ---E--- ELECTRIC LINES
- ---X--- WIRE FENCE
- ---o--- CHAIN LINK FENCE
- ---●--- WOODEN FENCE

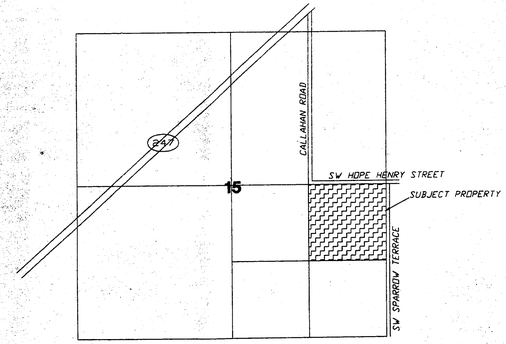
N

SCALE: 1" = 100'

CURVE TABLE

NO.	RADIUS	DELTA	ARC	TANGENT	CHORD	CHORD BEARING
1	25.00'	91°16'43"	39.83'	25.56'	35.75'	N.44°57'43"E.
2	300.00'	08°23'35"	43.95'	22.01'	43.91'	N.04°52'26"W.
3	25.00'	88°43'17"	38.71'	24.45'	34.96'	S.45°02'17"E.
4	330.00'	08°23'35"	48.34'	24.21'	48.30'	N.04°52'26"W.
5	360.00'	08°23'35"	52.73'	26.41'	52.69'	N.04°52'26"W.
6	330.00'	91°16'43"	525.73'	337.45'	471.87'	S.44°57'43"W.
7	360.00'	10°39'38"	68.97'	34.59'	68.87'	S.04°48'40"W.
8	360.00'	28°22'04"	178.24'	90.99'	176.42'	S.24°29'01"W.
9	360.00'	11°26'25"	71.88'	36.06'	71.76'	S.44°12'16"W.
10	360.00'	16°13'05"	101.90'	51.29'	101.56'	S.58°13'01"W.
11	360.00'	20°57'34"	131.69'	66.59'	130.96'	S.76°48'21"W.
12	360.00'	03°18'57"	20.83'	10.42'	20.83'	S.88°56'36"W.
13	300.00'	22°59'29"	120.38'	61.01'	119.58'	S.10°49'06"W.
14	300.00'	45°58'20"	240.71'	127.26'	234.30'	S.45°18'01"W.
15	300.00'	22°18'54"	116.84'	59.17'	116.10'	S.79°26'38"W.
16	25.00'	88°43'17"	38.71'	24.45'	34.96'	N.45°02'17"W.
17	25.00'	91°16'43"	39.83'	25.56'	35.75'	S.44°57'43"W.
18	25.00'	49°40'47"	21.68'	11.57'	21.00'	N.65°45'41"E.
19	60.00'	68°23'16"	71.62'	40.77'	67.44'	S.75°06'55"W.
20	60.00'	50°38'33"	53.03'	28.39'	51.32'	N.45°22'10"W.
21	60.00'	71°15'57"	74.63'	43.01'	69.91'	N.15°35'05"E.
22	60.00'	47°28'29"	49.72'	26.38'	48.31'	N.74°57'18"E.
23	60.00'	41°35'19"	43.55'	22.79'	42.60'	S.60°30'48"E.
24	25.00'	49°40'47"	21.68'	11.57'	21.00'	N.64°33'32"W.
25	25.00'	88°43'17"	38.71'	24.45'	34.96'	S.45°02'17"E.
26	25.00'	91°16'43"	39.83'	25.56'	35.75'	S.44°57'43"W.
27	25.00'	72°53'43"	31.81'	18.46'	29.70'	N.54°09'13"E.
28	60.00'	69°05'22"	72.35'	41.31'	68.05'	S.58°15'02"W.
29	60.00'	58°28'50"	61.24'	33.59'	58.62'	N.63°57'52"W.
30	60.00'	69°30'12"	72.78'	41.63'	68.40'	N.00°01'40"E.
31	60.00'	55°49'19"	58.46'	31.78'	56.17'	N.62°41'25"E.
32	200.00'	358°24'46"	1251.10'	-2.77'	5.54'	N.01°28'16"W.
33	200.00'	01°35'14"	5.54'	2.77'	5.54'	N.01°28'16"W.
34	200.00'	75°41'06"	264.19'	155.37'	245.40'	N.40°06'26"W.
35	200.00'	11°26'57"	39.97'	20.05'	39.90'	N.83°40'27"W.
36	230.00'	88°43'17"	356.15'	224.98'	321.62'	S.45°02'17"E.
37	260.00'	08°30'31"	38.61'	19.34'	38.58'	N.04°55'54"W.
38	260.00'	29°57'12"	135.92'	69.55'	134.38'	N.24°09'46"W.
39	260.00'	11°58'31"	54.34'	27.27'	54.24'	N.45°07'37"W.
40	260.00'	16°24'41"	74.47'	37.49'	74.22'	N.74°07'45"W.
41	260.00'	07°03'50"	32.06'	16.05'	32.03'	N.85°52'00"W.
42	25.00'	49°40'47"	21.68'	11.57'	21.00'	N.65°45'41"E.
43	60.00'	56°57'27"	59.63'	32.55'	57.22'	S.69°24'01"W.
44	60.00'	54°33'33"	57.13'	30.94'	55.00'	N.54°50'29"W.
45	60.00'	55°19'07"	57.93'	31.45'	55.71'	N.00°05'51"E.
46	60.00'	59°22'47"	61.14'	33.52'	58.52'	N.56°56'48"E.
47	60.00'	54°08'40"	56.70'	30.67'	54.61'	S.65°47'28"E.
48	25.00'	49°40'47"	21.68'	11.57'	21.00'	N.64°33'32"W.

SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST.



LOCATION SKETCH
NOT TO SCALE

DESCRIPTION:
THE NE 1/4 OF THE SE 1/4 OF SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND.
2. BEARINGS ARE BASED ON AN ASSUMED BEARING OF S.00°57'10"E. FOR THE EAST LINE OF SAID SECTION 15.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

PROJECT ENGINEER:
CURTIS KEEN
9863 COUNTY ROAD 417
LIVE OAK, FLORIDA 32060
1-386-362-4787

NOT FOR FINAL RECORDING

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
830 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055
TELEPHONE: (386) 752-7163 FAX: (386) 752-5573

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

02/01/05 — 02/03/05
FIELD SURVEY DATE — DRAWING DATE

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

DEVELOPER:
ROBERT & MARGARET LARDIZABAL
2281 US HIGHWAY # 90 WEST
LAKE CITY, FLORIDA 32055

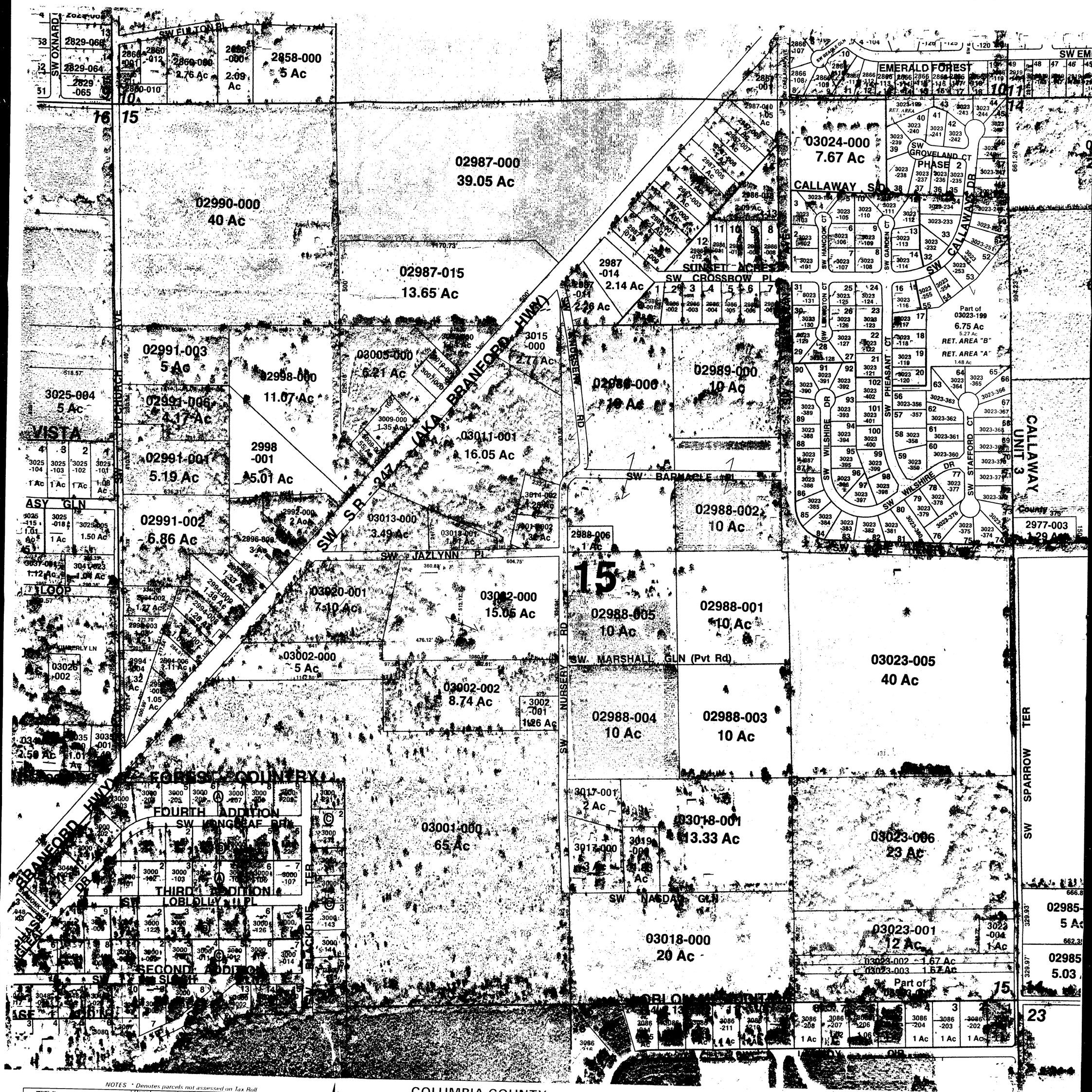
FIELD BOOK: SEE PAGE(S): FILE

JOB NUMBER: **L-14661**

SHEET
1 OF 1

ROLLING MEADOWS SUBDIVISION
ERP05-0061

C:\Temp\L14661PREV.dwg Wed Sep 15 14:12:15 2004



NOTES • Denotes parcels not assessed on Tax Roll
• Denotes parcels with poor legal description

PREPARED BY MD ATLANTIC Technologies

200 100 0 200 400 600 800

NORTH

Prepared for THE STATE OF FLORIDA DEPARTMENT OF REVENUE

THIS PHOTOGRAPH IS FOR ASSESSMENT PURPOSES ONLY

COLUMBIA COUNTY
FLORIDA

NOTICE: This map for property appraisers office assessment use only and does not represent a survey. No liability is assumed for the accuracy of data delineated hereon

COLUMBIA COUNTY
FLORIDA

SECTION TWP RANGE SHEET NO. 46-A

SCALE	1"=200'	15	SECTION	TWP	RANGE	SHEET NO.	MAP
PHOTO DATE	FEB. 2003						
PHOTO NO.	4-34		15	4S	16E		46A

REGULATED BY CHAPTER 61G15-23 FLORIDA ADMINISTRATIVE CODE

MAP 15 2003

ERP 05-0061