SUMTER COUNTY BOARD OF COMMISSIONERS
EXECUTIVE SUMMARY

SUBJECT: VOS - Unit 178, Fernandina Postal Park & Neighborhood Rec Center, and CSU Elevated Storage Tank reviewed at the November 8, 2010, Development Review Committee (DRC) meeting (Staff recommends approval).

REQUESTED ACTION: **Approve preliminary plans reviewed at the November 8, 2010, DRC meeting**

☐ Work Session (Report Only) **DATE OF MEETING:** **November 23, 2010**
☐ Regular Meeting ☐ Special Meeting

CONTRACT: ☒ N/A Vendor/Entity: _____
Effective Date: _____ Termination Date: _____
Managing Division / Dept: **Planning**

BUDGET IMPACT:
☐ Annual **FUNDING SOURCE:**
☐ Capital **EXPENDITURE ACCOUNT:**
☒ N/A

HISTORY/FACTS/ISSUES:
The Development Review Committee is compiled of staff from several county agencies and consulting engineers. The Committee meets weekly to review applications for Use and Development Permits. The DRC's recommendations are then forwarded to the BOCC. The plans were reviewed and found to be in compliance with the Land Development Code with only minor changes required.

1) VOS – Unit 178 – Major Development – Preliminary/Engineering Approval
Property Owner: The Villages of Lake/Sumter – Property Developer: The Villages of Lake/Sumter – Property Location: SE corner of Pinellas Place & Charlotte Court/The Villages - Total Acreage of Project: 34.5 acres MOL - Project Zoning: RPUD - Project Proposal: To develop a 157 lot subdivision & related infrastructure.

2) VOS – Fernandina Postal Park & Neighborhood Recreation Center – Major Development – Preliminary/Engineering Approval
Property Owner: The Villages of Lake-Sumter, Inc. – Property Developer: The Villages of Lake-Sumter, Inc. - Property Location: NE corner of Pinellas Place & Bonifay Path/The Villages – Total Acreage of Project: 1.57 acres MOL – Project Zoning: RPUD - Project Proposal: Develop a postal facility & neighborhood recreation center & related infrastructure.

3) VOS – CSU Elevated Storage Tank – Major Development – Preliminary/Engineering Approval
Property Owner: The Villages of Lake-Sumter, Inc. – Property Developer: The Villages of Lake-Sumter, Inc. - Property Location: NE corner of C-44A & Buena Vista Blvd /The Villages – Total Acreage of Project: 1.71 acres MOL – Project Zoning: RPUD - Project Proposal: Construct a 263.10' water tower and related infrastructure.

DATE	ISSUE	BY

The Villages®

PRELIMINARY/ENGINEERING PLANS FOR THE VILLAGES OF SUMTER UNIT NO. 178

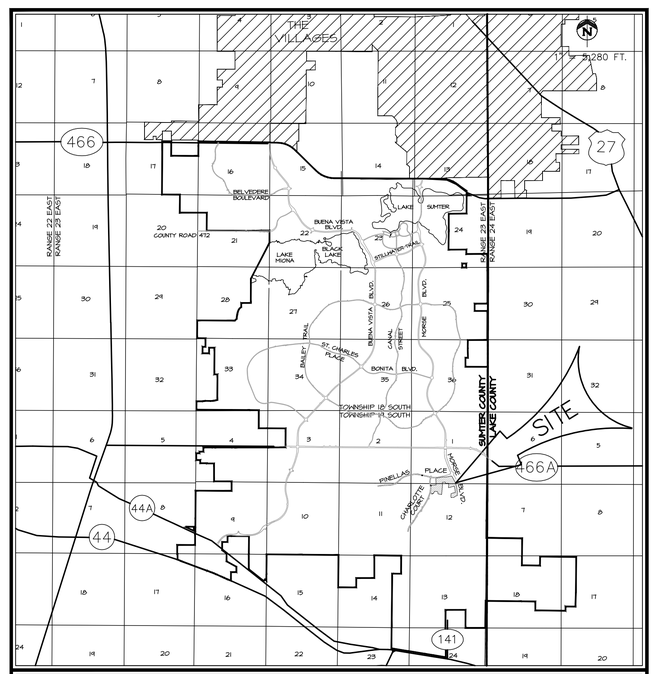
DESIGN SPEED = 30 M.P.H.

SECTION 1 AND 12,
TOWNSHIP 19 SOUTH, RANGE 23 EAST
SUMTER COUNTY, FLORIDA

LEGAL DESCRIPTION

LEGAL DESCRIPTION
THAT LAND LYING IN SECTIONS 1 AND 12, TOWNSHIP 19 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

FROM THE NORTHEAST CORNER OF THE NORTHWEST 1/4 OF SAID SECTION 12 RUN S00°35'28"W, ALONG THE EAST LINE THEREOF A DISTANCE OF 303.29 FEET; THENCE DEPARTING SAID EAST LINE, S89°24'32"E, 120.47 FEET TO THE POINT OF BEGINNING; THENCE N05°02'31"E, 239.03 FEET; THENCE N01°29'36"W, 91.00 FEET; THENCE S88°12'19"W, 32.69 FEET; THENCE S87°33'28"W, 88.50 FEET; THENCE S88°12'19"W, 79.05 FEET; THENCE N89°16'54"W, 31.52 FEET; THENCE N02°55'31"W, 90.89 FEET; THENCE N89°06'07"W, 77.54 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHERLY AND HAVING A RADIUS OF 743.00 FEET; THENCE WESTERLY ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 11°24'35", A DISTANCE OF 147.98 FEET; THENCE S02°55'31"E, 148.94 FEET; THENCE S00°22'17"W, 65.36 FEET; THENCE S05°02'31"W, 688.37 FEET; THENCE N78°12'06"W, 52.03 FEET; THENCE N82°41'06"W, 64.06 FEET; THENCE N84°18'34"W, 62.48 FEET; THENCE N82°32'16"W, 58.97 FEET; THENCE N69°25'03"W, 43.52 FEET; THENCE N02°24'45"W, 129.80 FEET; THENCE N48°45'35"W, 80.32 FEET; THENCE N89°19'10"W, 68.78 FEET; THENCE S87°04'29"W, 69.91 FEET; THENCE S86°42'05"W, 70.00 FEET; THENCE S14°52'48"W, 75.04 FEET; THENCE S19°56'54"W, 83.43 FEET TO A POINT ON THE ARC OF A CURVE CONCAVE SOUTHERLY, HAVING A RADIUS OF 375.00 FEET AND A CHORD BEARING AND DISTANCE OF N68°07'40"W, 68.46 FEET; THENCE WESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 10°28'30", A DISTANCE OF 68.56 FEET; THENCE S15°44'26"W, 50.01 FEET TO A POINT ON THE ARC OF A CURVE CONCAVE SOUTHEASTERLY, HAVING A RADIUS OF 20.00 FEET AND A CHORD BEARING AND DISTANCE OF S62°23'27"W, 27.98 FEET; THENCE SOUTHWESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 88°45'48", A DISTANCE OF 30.98 FEET; THENCE S18°04'19"W, 3.03 FEET; THENCE N71°51'54"W, 50.00 FEET TO A POINT ON THE ARC OF A CURVE CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 20.00 FEET AND A CHORD BEARING AND DISTANCE OF N27°50'55"W, 28.77 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 91°58'01", A DISTANCE OF 32.10 FEET; THENCE N73°49'56"W, 61.04 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 20.00 FEET; THENCE SOUTHWESTERLY ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 87°56'13", A DISTANCE OF 30.70 FEET TO A POINT ON THE ARC OF A CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1,230.00 FEET AND A CHORD BEARING AND DISTANCE OF N04°24'07"E, 588.00 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 27°39'29", A DISTANCE OF 593.75 FEET; THENCE N09°25'37"W, 19.53 FEET; THENCE N87°04'29"E, 391.18 FEET; THENCE N02°08'42"W, 70.01 FEET; THENCE N02°55'31"W, 435.00 FEET TO A POINT ON THE ARC OF A CURVE CONCAVE NORTHERLY, HAVING A RADIUS OF 1,230.00 FEET AND A CHORD BEARING AND DISTANCE OF N83°17'17"E, 163.48 FEET; THENCE EASTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 07°37'15", A DISTANCE OF 163.60 FEET; THENCE N79°28'40"E, 527.05 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHERLY AND HAVING A RADIUS OF 750.00 FEET; THENCE EASTERLY ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 03°58'42", A DISTANCE OF 52.08 FEET; THENCE N83°27'22"E, 21.75 FEET; THENCE S01°55'25"E, 14.22 FEET; THENCE N83°25'47"E, 68.23 FEET; THENCE S59°42'05"E, 39.98 FEET; THENCE N77°59'49"E, 90.10 FEET; THENCE N75°15'05"E, 169.51 FEET; THENCE S71°07'18"E, 87.59 FEET TO A POINT ON THE ARC OF A CURVE CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 6,105.00 FEET AND A CHORD BEARING AND DISTANCE OF S29°45'27"E, 193.75 FEET; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 01°49'07", A DISTANCE OF 193.76 FEET TO A POINT ON THE ARC OF A CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 2,208.41 FEET AND A CHORD BEARING AND DISTANCE OF S13°26'38"E, 1,299.83 FEET; THENCE SOUTHERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 34°13'49", A DISTANCE OF 1,319.37 FEET; THENCE N86°13'16"W, 62.50 FEET; THENCE S56°32'31"W, 226.10 FEET; THENCE S83°46'15"W, 205.48 FEET; THENCE N10°53'05"W, 120.79 FEET; THENCE N05°02'31"E, 180.00 FEET; THENCE N72°45'55"E, 98.36 FEET; THENCE N73°23'53"E, 143.16 FEET; THENCE N84°42'31"E, 83.34 FEET TO A POINT ON THE ARC OF A CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 2044.00 FEET AND A CHORD BEARING AND DISTANCE OF N09°10'38"W, 477.29 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 13°24'34", A DISTANCE OF 478.38 FEET; THENCE S76°32'05"W, 155.75 FEET; THENCE S70°45'00"W, 45.61 FEET; THENCE S72°02'14"W, 59.59 FEET; THENCE S75°50'45"W, 187.14 FEET TO THE POINT OF BEGINNING.
CONTAINING 34.66 ACRES, MORE OR LESS.



VICINITY MAP

INDEX OF SHEETS

1. TITLE SHEET
2. MASTER DEVELOPMENT PLAN
3. SITE GEOMETRY, SIGNING & MARKING, & SHEET INDEX
4. STORM DRAINAGE MASTER PLAN
5. SANITARY SEWER MASTER PLAN
6. WATER DISTRIBUTION MASTER PLAN
7. IRRIGATION DISTRIBUTION MASTER PLAN
8. PLAN & PROFILE - AVONDALE AVENUE
9. PLAN & PROFILE - BEVILLE PLACE
10. PLAN & PROFILE - VADENBERG COURT
11. PLAN & PROFILE - GLENDALE LANE
12. PLAN & PROFILE - RAVEN CROFT TERRACE
13. PLAN & PROFILE - DEUBERRY TERRACE & EMBROOK STREET
14. PLAN & PROFILE - EVESBOROUGH PATH
15. PLAN & PROFILE - EVESBOROUGH PATH
16 PLAN & PROFILE - YARBOROUGH WAY
17. MASTER GRADING PLAN
18. MASTER GRADING PLAN

EC-1. EROSION CONTROL PLAN
~~UT-1. UTILITY TRENCHING PLAN~~

THE STANDARD DETAILS FOR THIS PROJECT SHALL BE FOUND IN "THE VILLAGES CONSTRUCTION DETAILS MANUAL, DATED MAY 1, 2009", PREPARED BY GRANT & DZURO, OR AS AMENDED BY THESE PLANS. (SWFWMD PERMIT #44024899.081)

OWNER/DEVELOPER:
THE VILLAGES OF LAKE-SUMTER, INC.
990 OLD MILL RUN
VILLAGES, FL. 32162
JOHN R. GRANT, VICE PRESIDENT

ENGINEER/SURVEYOR:
FARNER, BARLEY AND ASSOCIATES, INC.
4450 N.E. 83rd ROAD
WILDWOOD, FL 34785
JEFFREY A. HEAD, P.E.
FLA. LIC. #58058

NOTE; ELEVATIONS SHOWN ARE BASED ON THE VILLAGES DATUM. TO OBTAIN N.G.V.D. ADD 3.46 FEET.

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS
CERTIFICATE OF AUTHORIZATION NUMBER: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

DATE	REVISIONS	BY

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road O Wildwood, Florida 34785 O (352) 748-3126

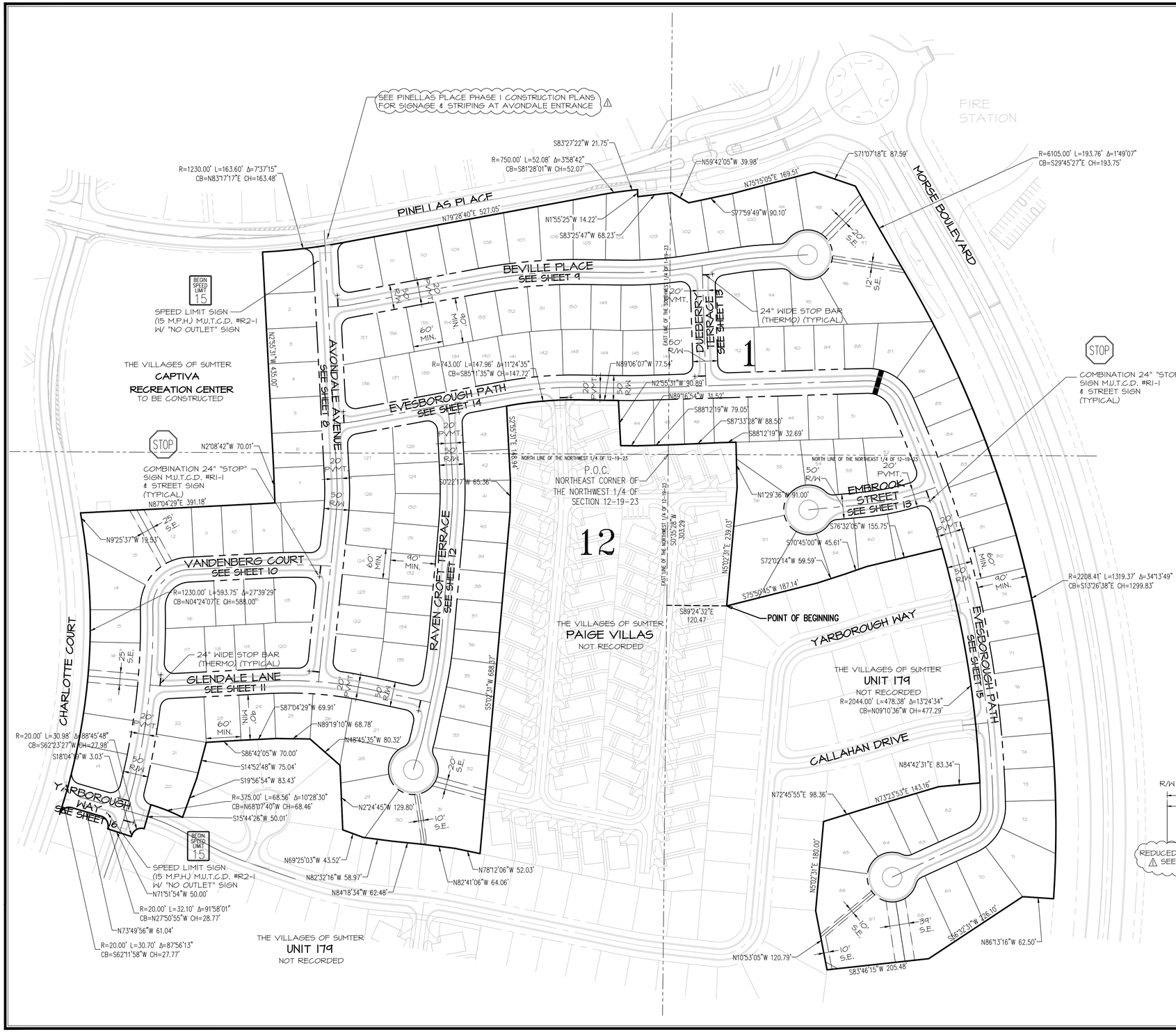
The Villages

VILLAGES OF SUMTER
UNIT No. 178

MASTER DEVELOPMENT PLAN

DATE 7-12-10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 178-MDEV
JOB NO. 921141.1923

SHT. 2 OF 18



100 50 0 100 200 300

SCALE IN FEET
1"=100'

SITE DATA	
TOTAL ACRES	34.66 AC.
NUMBER OF UNITS	157
EXISTING ZONING	PUD
DENSITY (DU/AC)*	4.53 DU/AC
LENGTH OF ROADWAY INTERNAL TO UNIT	6,442 L.F.
MINIMUM LOT DIMENSION	60' x 90'
WATER & SEWER SUPPLIED BY	C.S.U.
IRRIGATION SUPPLIED BY	SUMTER WATER CONSERVATION AUTHORITY
ELECTRIC SUPPLIED BY	S.E.C.O.

EASEMENT LEGEND

E.E. = INDICATES EMERGENCY EASEMENT FOR INGRESS AND EGRESS BY PROVIDERS OF FIRE, LAW ENFORCEMENT, AND EMERGENCY MEDICAL SERVICES, THEIR VEHICLES AND PERSONNEL.

S.E. = INDICATES SPECIAL EASEMENT FOR LANDSCAPING AND/OR THE CONSTRUCTION, INSTALLATION, MAINTENANCE AND OPERATION OF WATER, SANITARY SEWER, ELECTRIC, TELEPHONE, GAS OR OTHER PUBLIC UTILITIES AND/OR DRAINAGE FACILITIES AND/OR WALL FENCING AND/OR GOLF CART PATHS.

SITE NOTES FOR UNIT 178

OWNER-DEVELOPER - THE VILLAGES OF LAKE-SUMTER, INC.
990 OLD MILL RUN
THE VILLAGES, FLORIDA 32162

BUILDING SETBACKS = 0' SIDE YARD, 0' REAR YARD, 20' FRONT YARD. 10' BUILDING SEPARATION.

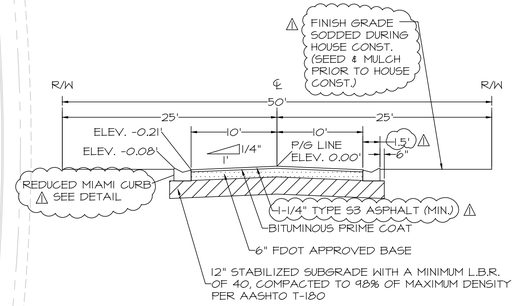
STREET LIGHTING TO BE INSTALLED BY UTILITY COMPANY. SINGLE FIXTURE LIGHTS GENERALLY LOCATED AT INTERSECTION, CUL-DE-SAC & ALONG THE ROADWAYS WITH AN APPROXIMATE SPACING BETWEEN LIGHTS BEING 300'.

LOCATED IN SECTION 1 & 12, TOWNSHIP 19 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA.

NO LOTS ARE LOCATED WITHIN THE 100 YEAR FLOOD ZONE.

ALL STREETS TO BE CONSTRUCTED BY THE DEVELOPER AND MAINTAINED BY SUMTER COUNTY.

ALL STORM WATER MANAGEMENT FACILITIES TO BE CONSTRUCTED AND MAINTAINED BY VILLAGE COMMUNITY DEVELOPMENT DISTRICT NO. 9.



DESIGN SPEED = 30 M.P.H.

TYPICAL SUBDIVISION ROADWAY

50 FOOT RIGHT-OF-WAY

NO SCALE

NOTE: SITE TO BE SEED & MULCHED PRIOR TO HOUSE CONSTRUCTION.

DATE	REVISIONS	BY
11/8/10	PER SUMTER COUNTY COMMENTS OF 11/5/10. REVISED CURB TYPE IN TYPICAL SUBDIVISION ROADWAY SECTION	

FARNER BARLEY AND ASSOCIATES, INC.
ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road O Wildwood, Florida 34785 O (352) 748-3126

The Villages Designer

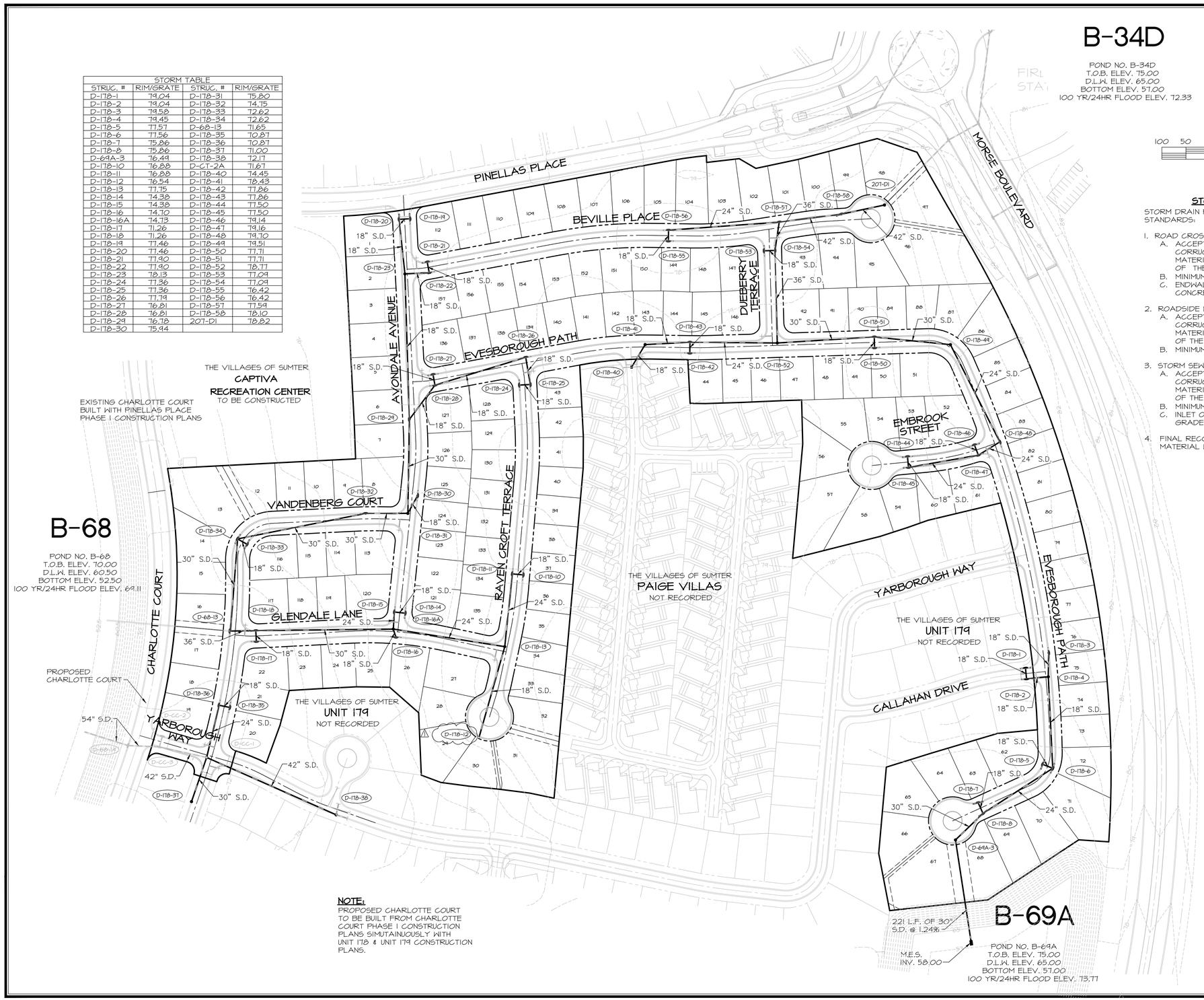
VILLAGES OF SUMTER
UNIT 178

SITE GEOMETRY, SIGNING & MARKING, INDEX OF SHEETS

DATE 7-12-10
DRAWN BY M.K.
CHKD BY JAH
FILE NAME 178-INDEX
JOB NO. 921141.1923

SHT. 3 OF 18

STORM TABLE			
STRUC. #	RIM/GRATE	STRUC. #	RIM/GRATE
D-178-1	79.04	D-178-31	75.80
D-178-2	79.04	D-178-32	74.75
D-178-3	79.58	D-178-33	72.62
D-178-4	79.45	D-178-34	72.62
D-178-5	77.57	D-68-13	71.65
D-178-6	77.56	D-178-35	70.87
D-178-7	75.86	D-178-36	70.87
D-178-8	75.86	D-178-37	71.00
D-69A-3	76.49	D-178-38	72.17
D-178-10	76.88	D-CT-2A	71.67
D-178-11	76.88	D-178-40	74.45
D-178-12	76.54	D-178-41	78.43
D-178-13	77.75	D-178-42	77.86
D-178-14	74.38	D-178-43	77.86
D-178-15	74.38	D-178-44	77.50
D-178-16	74.70	D-178-45	77.50
D-178-16A	74.73	D-178-46	79.14
D-178-17	77.26	D-178-47	79.16
D-178-18	77.26	D-178-48	79.70
D-178-19	77.46	D-178-49	79.51
D-178-20	77.46	D-178-50	77.71
D-178-21	77.90	D-178-51	77.71
D-178-22	77.90	D-178-52	78.77
D-178-23	78.13	D-178-53	77.09
D-178-24	77.36	D-178-54	77.09
D-178-25	77.36	D-178-55	76.42
D-178-26	77.79	D-178-56	76.42
D-178-27	76.81	D-178-57	77.59
D-178-28	76.81	D-178-58	78.10
D-178-29	76.78	207-D1	78.82
D-178-30	75.94		



STORM DRAIN PIPE SPECIFICATIONS

STORM DRAIN PIPE IS REQUIRED TO COMPLY WITH THE FOLLOWING STANDARDS:

1. ROAD CROSS-DRAIN PIPE.
   A. ACCEPTABLE TYPES-REINFORCED CONCRETE, A2000, CORRUGATED ALUMINUM, HDPE OR OTHER FDOT APPROVED MATERIALS. PVC SHALL BE AS APPROVED IN THE 2008 EDITION OF THE FDOT STANDARD SPECIFICATIONS
   B. MINIMUM SIZE--EIGHTEEN (18) INCHES DIAMETER OR EQUAL.
   C. ENDWALL, INLET MANHOLE OR MITERED END SECTION WITH CONCRETE COLLAR REQUIRED AT EACH END.

2. ROADSIDE DRAIN PIPE:
   A. ACCEPTABLE TYPES--REINFORCED CONCRETE, A2000, CORRUGATED ALUMINUM, HDPE OR OTHER FDOT APPROVED MATERIALS. PVC SHALL BE AS APPROVED IN THE 2008 EDITION OF THE FDOT STANDARD SPECIFICATIONS
   B. MINIMUM SIZE--FIFTEEN (15) INCHES DIAMETER OR EQUAL.

3. STORM SEWER PIPE:
   A. ACCEPTABLE TYPES--REINFORCED CONCRETE, A2000, CORRUGATED ALUMINUM, HDPE OR OTHER FDOT APPROVED MATERIALS. PVC SHALL BE AS APPROVED IN THE 2008 EDITION OF THE FDOT STANDARD SPECIFICATIONS
   B. MINIMUM SIZE--EIGHTEEN (18) INCHES OR EQUAL.
   C. INLET OR MANHOLE REQUIRED AT EACH CHANGE OF ALIGNMENT OR GRADE.

4. FINAL RECORD DRAWINGS WILL SPECIFY WHAT TYPE OF STORMPIPE MATERIAL WAS USED.

NOTES:

1. IF ADJACENT SYSTEMS ARE EXISTING, CONNECTION POINTS WILL BE EXISTING STRUCTURES WITH APPROPRIATE KNOCK-OUTS LEFT IN THEM.
2. IF ADJACENT SYSTEMS ARE NOT EXISTING, CONNECTING STRUCTURES WILL BE BUILT WITH THIS PROJECT AND APPROPRIATE KNOCK-OUTS FOR FUTURE CONNECTIONS WILL BE LEFT.

NOTE:
PROPOSED CHARLOTTE COURT TO BE BUILT FROM CHARLOTTE COURT PHASE I CONSTRUCTION PLANS SIMUTAINUOUSLY WITH UNIT 178 & UNIT 179 CONSTRUCTION PLANS.

STORM DRAIN LEGEND

PROPOSED		EXISTING
SD	STORM DRAIN	SD
	FLOW ARROW	
	INLET	
	MANHOLE	
	YARDDRAIN	
15"x12"	REDUCER (SIZE)	15"x12"
76	CONTOUR	76
	FLOW ARROW	
	SILT FENCE	
D-CH5	STRUCTURE NUMBER	D-CH5

DATE	REVISIONS	BY
11/8/10	△1 PER SUMTER COUNTY COMMENTS OF 11/5/10	

FARNER BARLEY
ENGINEERS ▲ SURVEYORS ▲ PLANNERS
AND ASSOCIATES, INC.
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road O Wildwood, Florida 34785 O (352) 748-3126

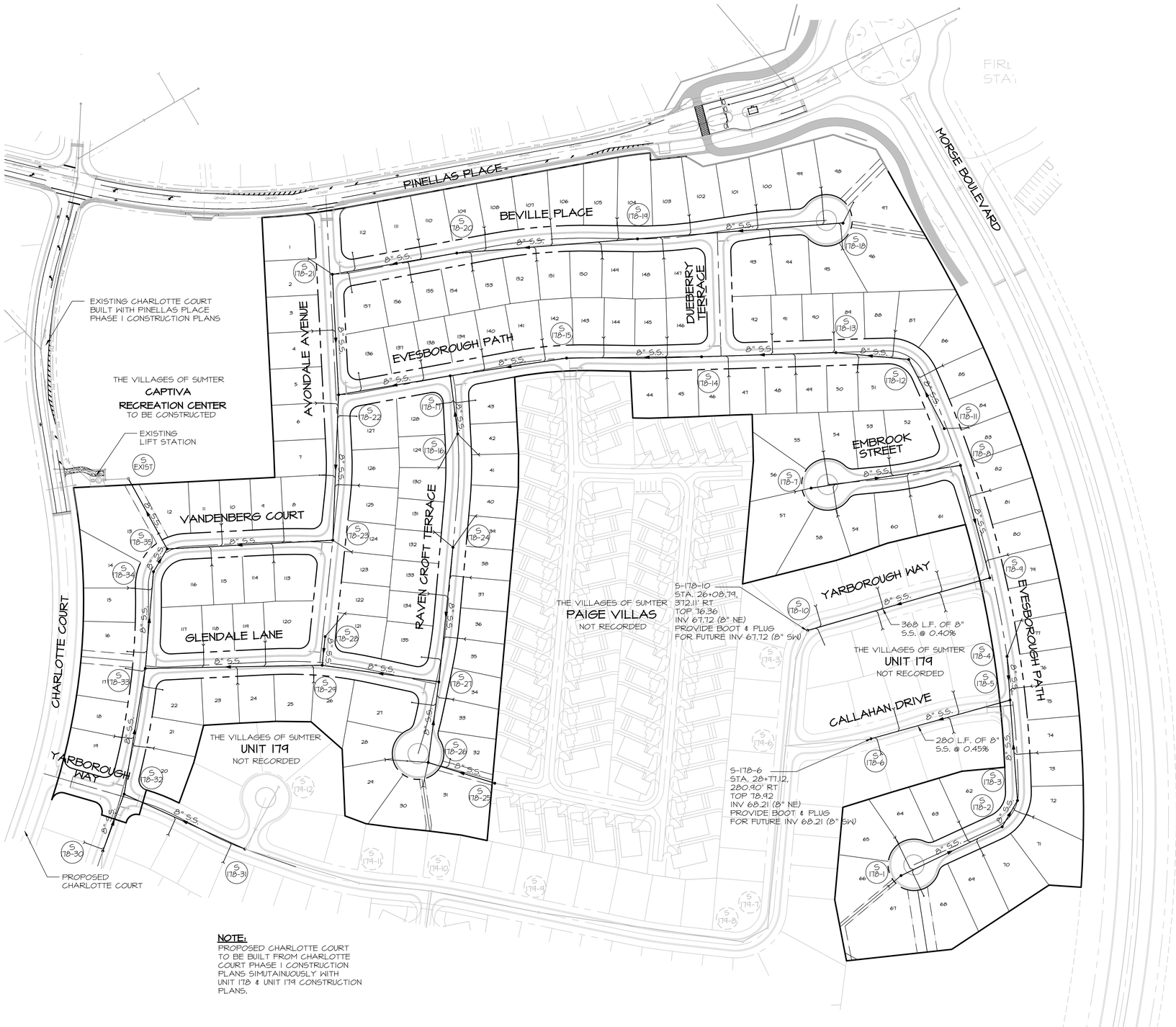
The Villages Designer

VILLAGES OF SUMTER
UNIT 178

STORM DRAINAGE MASTER PLAN

DATE 7-13-10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 178-STORM
JOB NO. 92114.1923

SHT. 4 OF 18



NOTE:
PROPOSED CHARLOTTE COURT TO BE BUILT FROM CHARLOTTE COURT PHASE I CONSTRUCTION PLANS SIMUTAINUOSLY WITH UNIT 178 & UNIT 179 CONSTRUCTION PLANS.

N

100 50 0 100 200 300

SCALE IN FEET
1"=100'

CLEARANCE REQUIREMENTS
POTABLE WATER/ SANITARY, STORM SEWER RECLAIMED WATER AND NON-POTABLE IRRIGATION PIPING

VERTICAL SEPARATION: BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAIN, RECLAIMED WATER PIPELINES.

1. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY-OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

2. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

3. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS 1 AND 2 ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORMSEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY-OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

4. SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES.
A. NO WATER MAIN SHALL PASS THROUGH, OR COME IN CONTACT WITH, ANY PART OF A SANITARY MANHOLE.
B. WATER MAINS SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH, OR COME INTO CONTACT WITH ANY PART OF A STORM SEWER MANHOLE OR INLET STRUCTURE.

5. WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THREE FEET HORIZONTALLY FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS BEING LAID LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE:
A. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE WATER MAIN; AND
B. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE OTHER PIPELINE IF IT IS NEW AND IS CONVEYING WASTEWATER OR RECLAIMED WATER.

HORIZONTAL SEPARATION: BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAIN, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

1. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATERMAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

2. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

3. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PARTIII OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

4. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6002, F.A.C.

5. WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN OTHER PIPELINE:
A. USE OF PRESSURE-RATED PIPE CONFORMING TO THE AMERICAN WATER WORKS ASSOCIATION STANDARDS INCORPORATED INTO RULE 62-555.330, F.A.C., FOR THE OTHER PIPELINE IF IT IS GRAVITY-OR VACUUM-TYPE PIPELINE;
B. USE WELDED, FUSED OR OTHERWISE RESTRAINED JOINTS FOR EITHER WATER MAIN OR THE OTHER PIPELINE; OR
C. USE OF WATERTIGHT CASING PIPE OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR EITHER THE WATER MAIN OR THE OTHER PIPELINE.

IF ADJACENT SYSTEMS ARE EXISTING, CONNECTION POINTS WILL BE EXISTING MANHOLES WITH APPROPRIATE PLUGGED BOOTS AT CONNECTION POINTS.

IF ADJACENT SYSTEMS ARE NOT EXISTING, MANHOLES WITH APPROPRIATELY PLACED AND PLUGGED BOOTS WILL BE LEFT FOR FUTURE CONNECTIONS.

SANITARY SEWER LEGEND

PROPOSED		EXISTING
SS	SANITARY SEWER	SS
	MANHOLE	
	FLOW ARROW	
	SINGLE SERVICE	
	DOUBLE SERVICE	
S SAN-10	STRUCTURE NUMBER	S SAN-10

DATE	REVISIONS	BY

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▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
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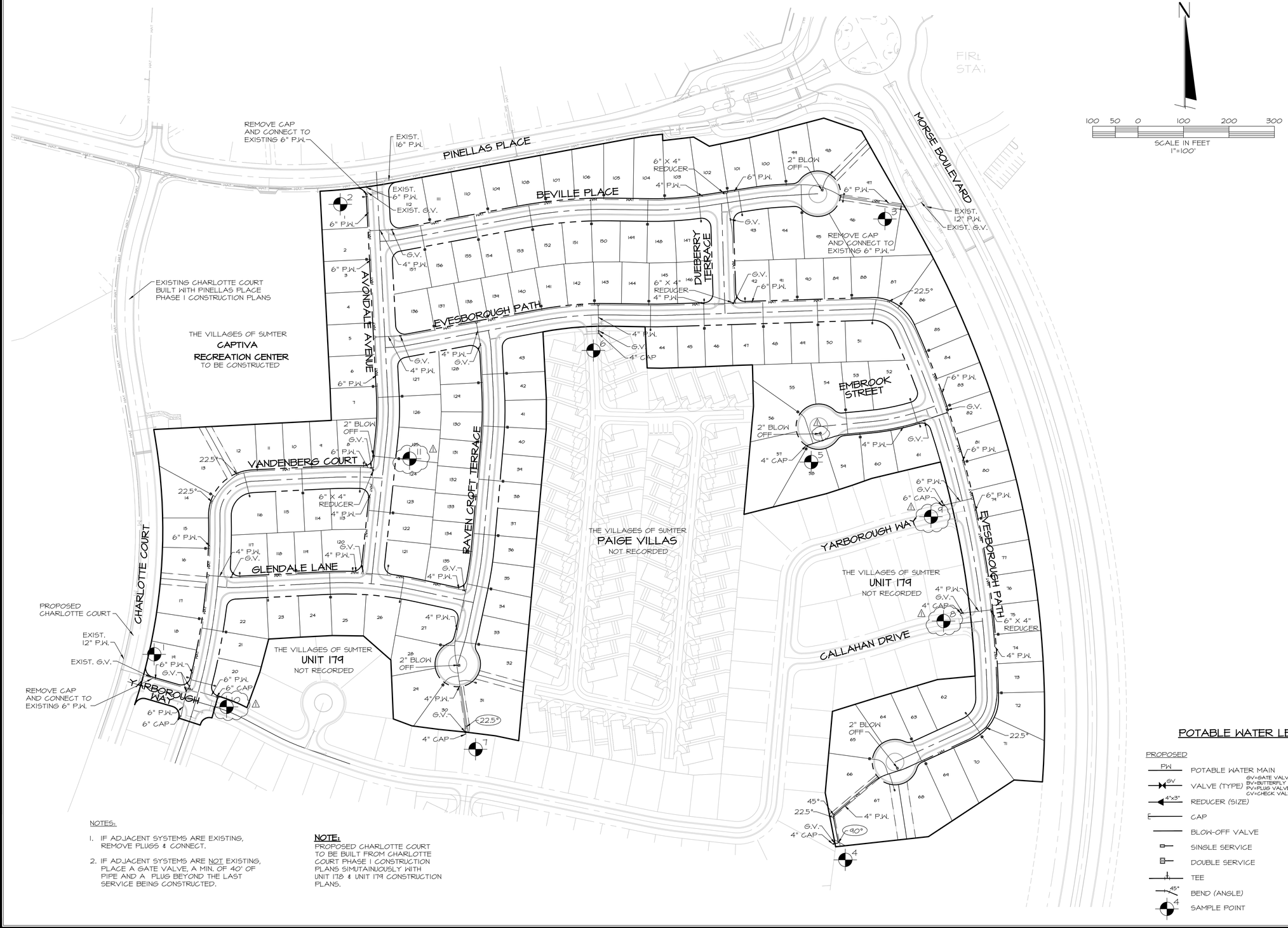
The Villages Designs

VILLAGES OF SUMTER
UNIT 178

SANITARY SEWER MASTER PLAN

DATE 7-13-10
DRAWN BY M.K
CHKD BY JAH
FILE NAME 178-SAN
JOB NO. 921141.1923

SHT. 5 OF 18



NOTES:

1. IF ADJACENT SYSTEMS ARE EXISTING, REMOVE PLUGS & CONNECT.
2. IF ADJACENT SYSTEMS ARE NOT EXISTING, PLACE A GATE VALVE, A MIN. OF 40' OF PIPE AND A PLUG BEYOND THE LAST SERVICE BEING CONSTRUCTED.

NOTE:
PROPOSED CHARLOTTE COURT TO BE BUILT FROM CHARLOTTE COURT PHASE I CONSTRUCTION PLANS SIMUTAINUOUSLY WITH UNIT 178 & UNIT 179 CONSTRUCTION PLANS.

POTABLE WATER LEGEND

PROPOSED		EXISTING
PW	POTABLE WATER MAIN	PW
GV	VALVE (TYPE) GV=GATE VALVE, BV=BUTTERFLY VALVE, PV=PLUG VALVE, CV=CHECK VALVE	GV
4"x3"	REDUCER (SIZE)	4"x3"
	CAP	
	BLOW-OFF VALVE	
	SINGLE SERVICE	
	DOUBLE SERVICE	
	TEE	
45°	BEND (ANGLE)	45°
4	SAMPLE POINT	N/A

DATE	REVISIONS	BY
11/1/10	1 ADDED SAMPLE POINTS AND RELOCATED B.O. VALVE	

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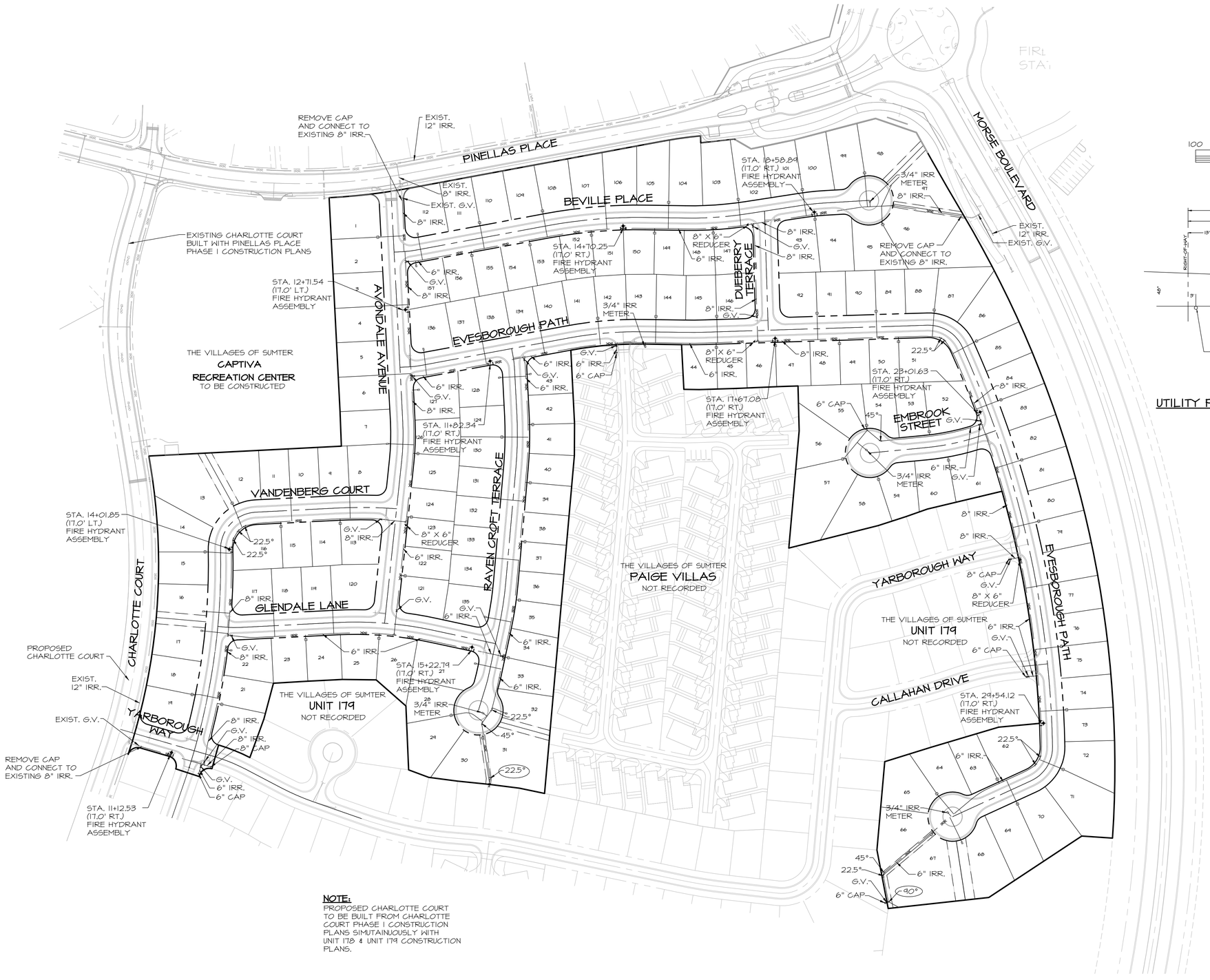
The Villages

VILLAGES OF SUMTER
UNIT 178

WATER DISTRIBUTION MASTER PLAN

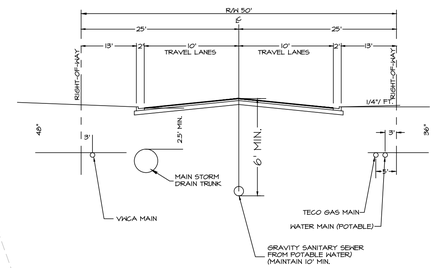
DATE 7-13-10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 178-WATER
JOB NO. 921141.1423



NOTE:
PROPOSED CHARLOTTE COURT TO BE BUILT FROM CHARLOTTE COURT PHASE I CONSTRUCTION PLANS SIMUTAINUOUSLY WITH UNIT 178 & UNIT 179 CONSTRUCTION PLANS.

N

100 50 0 100 200 300
SCALE IN FEET
1"=100'



UTILITY PLACEMENT ALONG INTERNAL ROADS

(50' R/W)
(UNLESS OTHERWISE NOTED)
N.T.S.

NOTES:

1. IF ADJACENT SYSTEMS ARE EXISTING, REMOVE PLUGS & CONNECT.
2. IF ADJACENT SYSTEMS ARE NOT EXISTING, PLACE A GATE VALVE, A MIN. OF 40' OF PIPE AND A PLUG BEYOND THE LAST SERVICE BEING CONSTRUCTED.
3. ALL FIRE HYDRANTS TO BE A MINIMUM OF 4' AND A MAXIMUM OF 6' BEHIND THE BACK OF CURB.
4. SEE SHEET 5 FOR POTABLE WATER & NON-POTABLE WATER SEPARATION NOTES.

IRRIGATION WATER LEGEND

PROPOSED		EXISTING
IRR	IRRIGATION WATER MAIN	IRR
GV	VALVE (TYPE) — GV=GATE VALVE, BV=BUTTERFLY VALVE, PV=PLUG VALVE, CV=CHECK VALVE	GV
4"x3"	REDUCER (SIZE)	4"x3"
	CAP	
	BLOW-OFF VALVE	
	SINGLE SERVICE	
	DOUBLE SERVICE	
	TEE	
45°	BEND (ANGLE)	45°
	FIRE HYDRANT ASSEMBLY	

DATE	REVISIONS	BY

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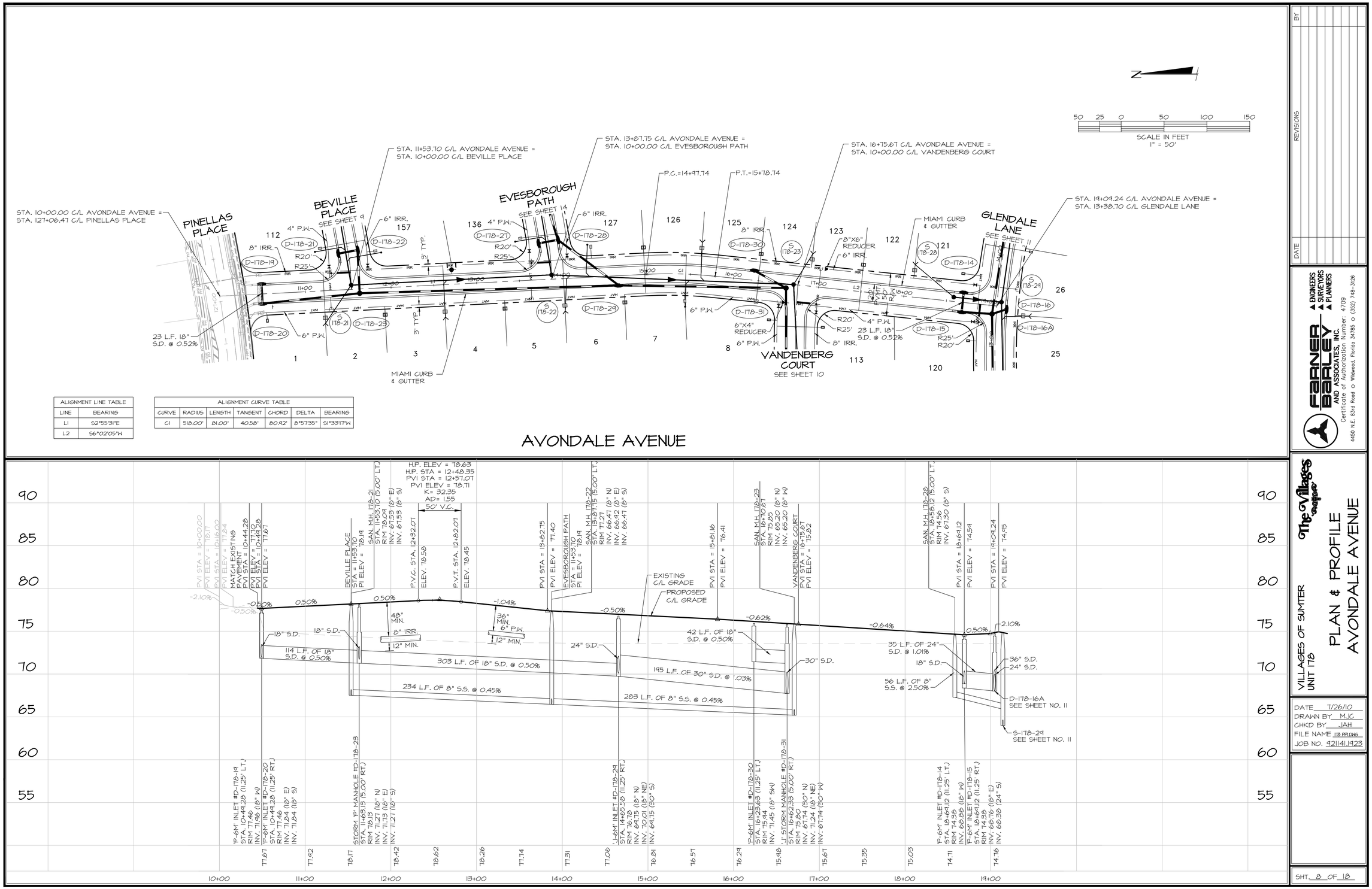
The Villages

VILLAGES OF SUMTER
UNIT 178

IRRIGATION DISTRIBUTION MASTER PLAN

DATE 7-13-10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 178-IRRIGATION
JOB NO. 92114.1423



ALIGNMENT LINE TABLE	
LINE	BEARING
L1	S2°55'31"E
L2	S6°02'05"W

ALIGNMENT CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	BEARING
C1	518.00'	81.00'	40.58'	80.92'	8°57'35"	S1°33'17"W

AVONDALE AVENUE

REVISIONS	DATE	BY

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The Villages

VILLAGES OF SUMTER
UNIT 17B

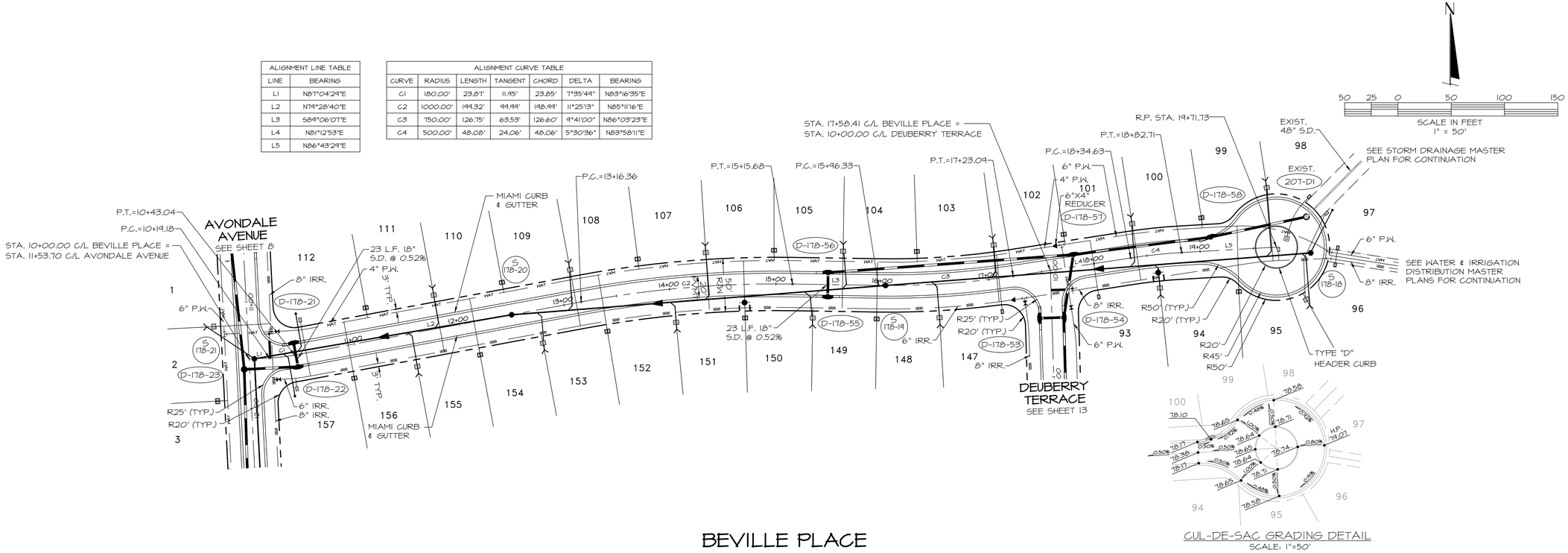
PLAN & PROFILE
AVONDALE AVENUE

DATE 7/26/10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 17B PP1DWG
JOB NO. 92114.1923

SHT. 8 OF 18

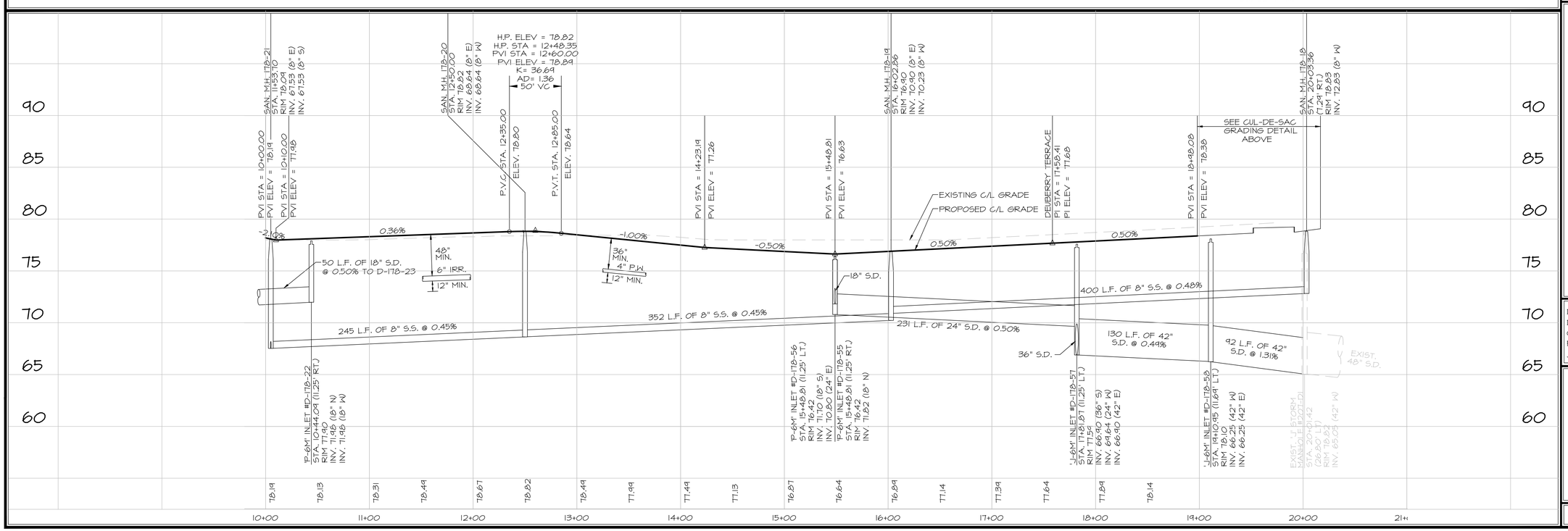
ALIGNMENT LINE TABLE	
LINE	BEARING
L1	N87°04'29"E
L2	N74°28'40"E
L3	S84°06'07"E
L4	N81°12'53"E
L5	N86°43'29"E

ALIGNMENT CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	BEARING
C1	180.00'	23.87'	11.95'	23.85'	7°35'44"	N83°16'35"E
C2	1000.00'	199.32'	99.99'	198.99'	11°25'13"	N85°11'16"E
C3	750.00'	126.75'	63.53'	126.60'	9°41'00"	N86°03'23"E
C4	500.00'	48.08'	24.06'	48.06'	5°30'36"	N83°58'11"E



BEVILLE PLACE

CUL-DE-SAC GRADING DETAIL
SCALE: 1"=50'



DATE	REVISIONS	BY

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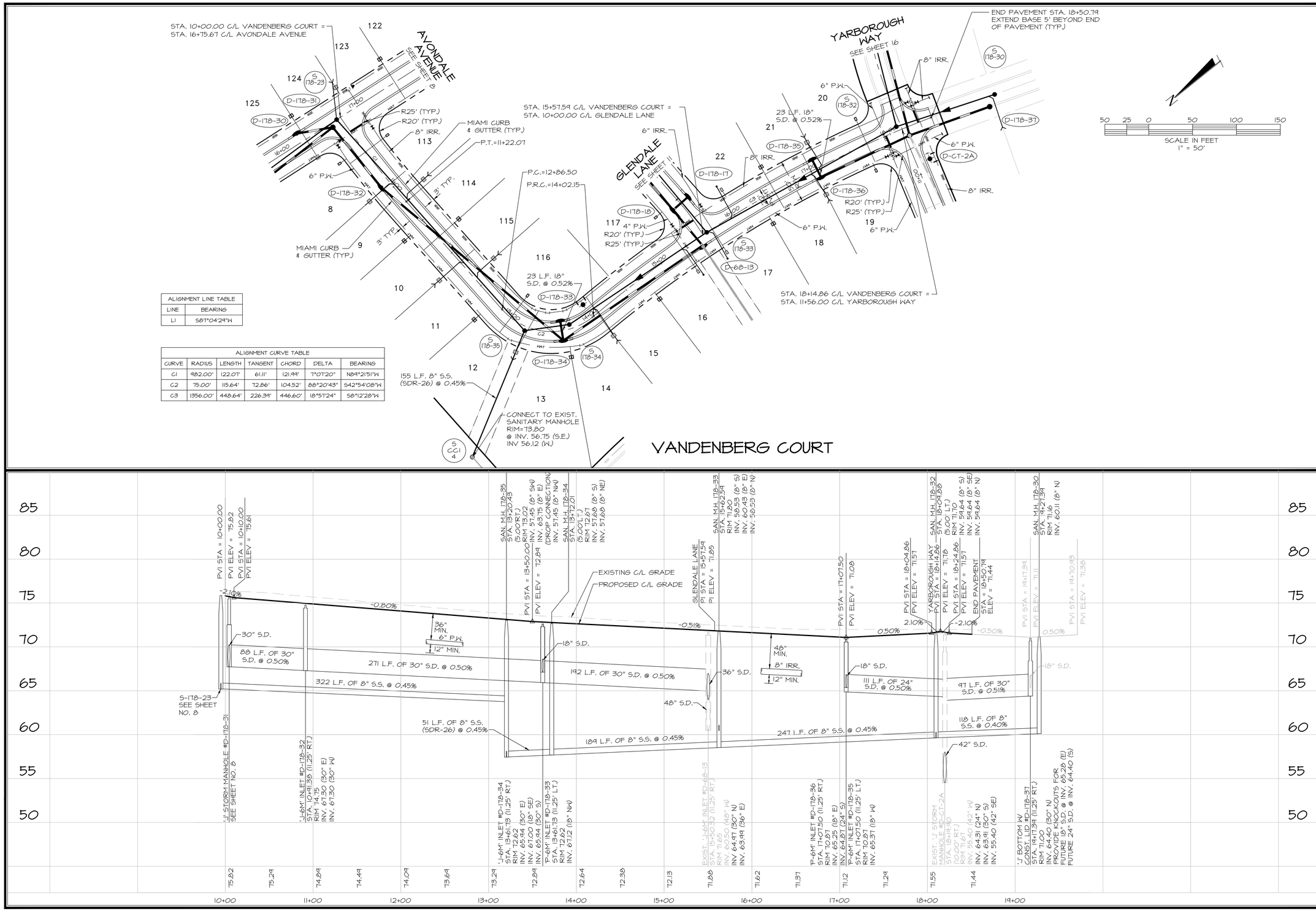
The Villages

VILLAGES OF SUMTER
UNIT 178

PLAN & PROFILE BEVILLE PLACE

DATE 7/26/10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 178 PP2.DWG
JOB NO. 92.141.1923

SHT. 9 OF 18



ALIGNMENT LINE TABLE	
LINE	BEARING
L1	S87°04'29"W

ALIGNMENT CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	BEARING
C1	982.00'	122.07'	61.11'	121.99'	7°07'20"	N84°21'51"W
C2	75.00'	115.64'	72.86'	104.52'	88°20'43"	S42°54'08"W
C3	1356.00'	448.64'	226.39'	446.60'	18°57'24"	S8°12'28"W

DATE	REVISIONS	BY

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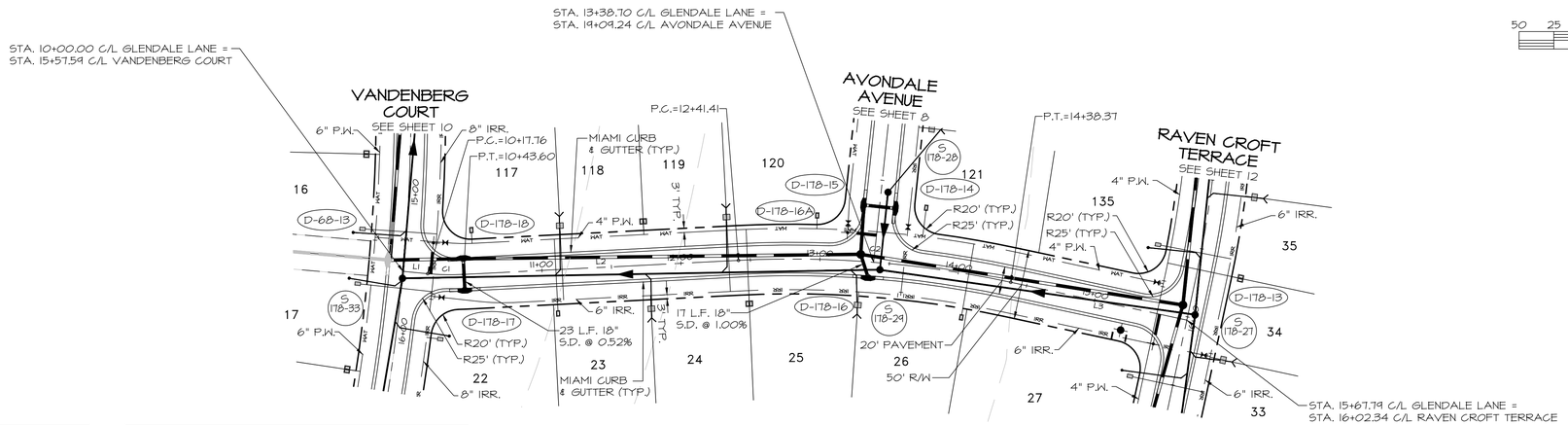
The Villages

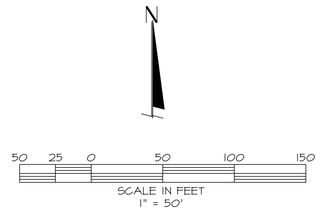
VILLAGES OF SUMTER
UNIT 17B

PLAN & PROFILE VANDENBERG COURT

DATE 7/26/10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 17B PP3.DWG
JOB NO. 921141.1923

SHT. 10 OF 18

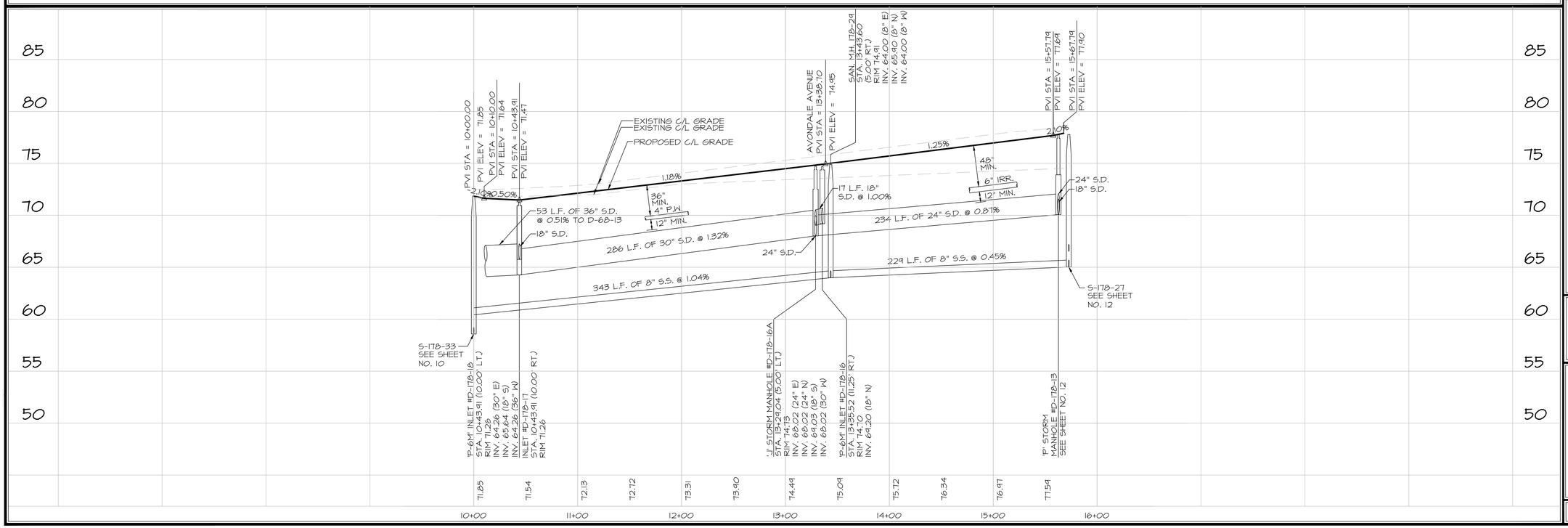




ALIGNMENT LINE TABLE	
LINE	BEARING
L1	S84°42'10"E
L2	N87°04'29"E
L3	S77°52'44"E

ALIGNMENT CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	BEARING
C1	180.00'	25.83'	12.94'	25.81'	8°13'20"	S88°48'50"E
C2	750.00'	196.95'	99.05'	196.34'	15°02'46"	S85°24'07"E

GLENDALE LANE



DATE	REVISIONS	BY

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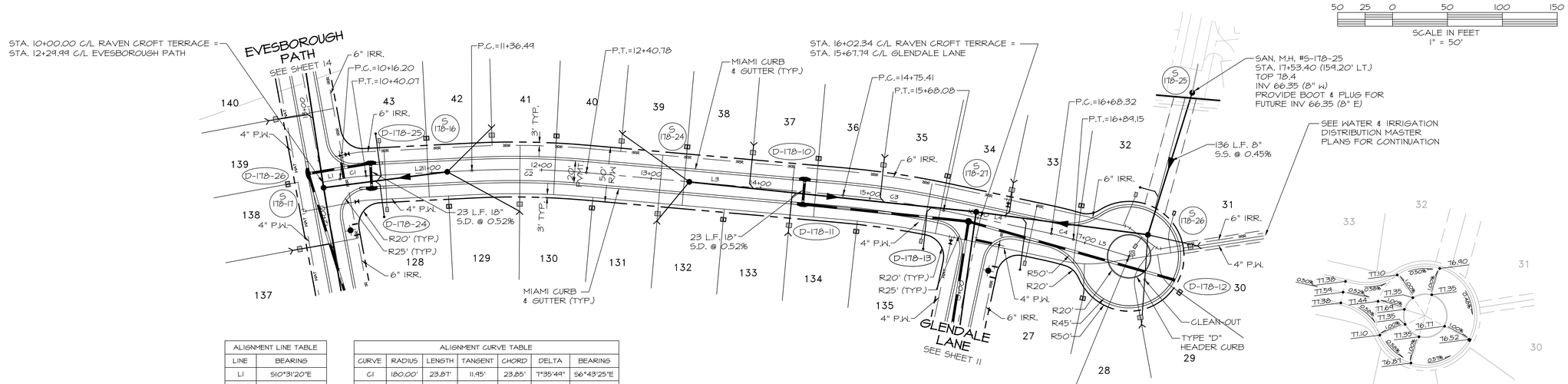
The Villages

VILLAGES OF SUMTER
UNIT 178

PLAN & PROFILE
GLENDALE LANE

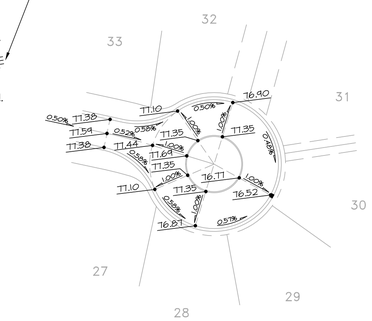
DATE 7/26/10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 178 PP4.DWG
JOB NO. 92.141.1923

SHT. 11 OF 18



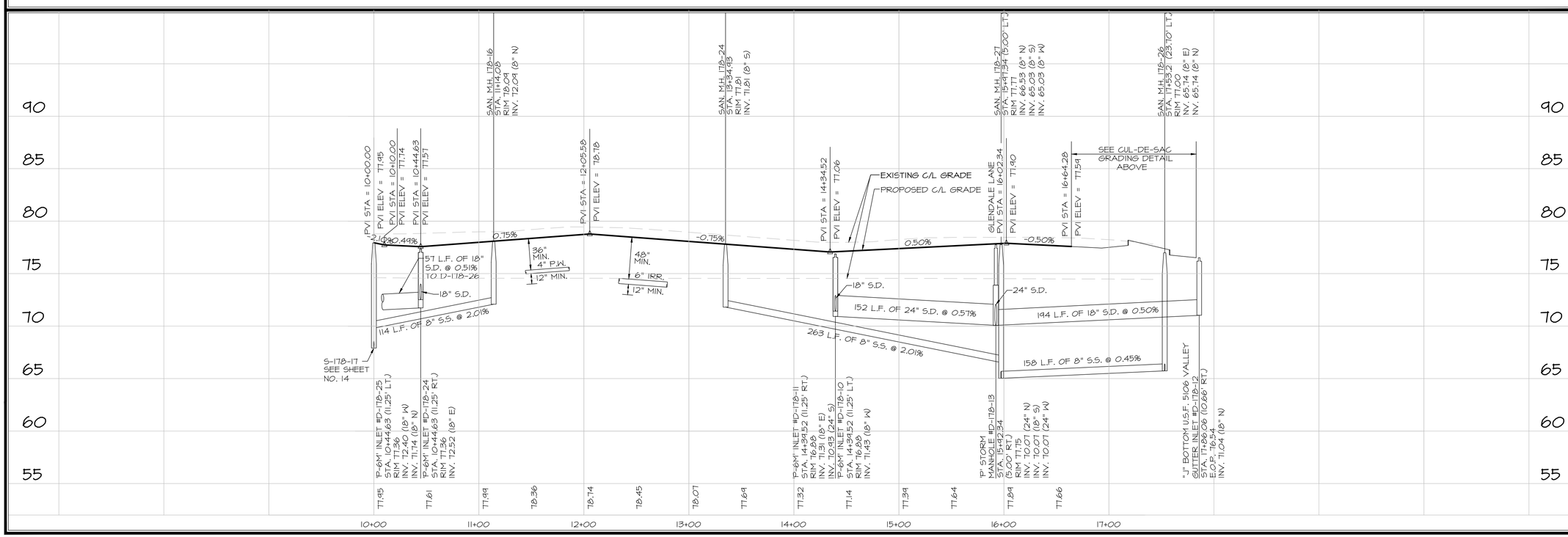
ALIGNMENT LINE TABLE	
LINE	BEARING
L1	S10°31'20"E
L2	S2°55'31"E
L3	S5°02'31"W
L4	S12°07'16"W
L5	S16°53'47"W

ALIGNMENT CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	BEARING
C1	180.00'	23.87'	11.95'	23.85'	7°35'44"	S6°43'25"E
C2	750.00'	104.24'	52.23'	104.21'	7°58'02"	S1°03'30"W
C3	750.00'	92.66'	46.39'	92.61'	7°04'45"	S8°34'54"W
C4	250.00'	20.84'	10.42'	20.83'	4°46'31"	S14°30'31"W



CUL-DE-SAC GRADING DETAIL
SCALE: 1"=50'

RAVEN CROFT TERRACE



DATE	REVISIONS	BY

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The Villages

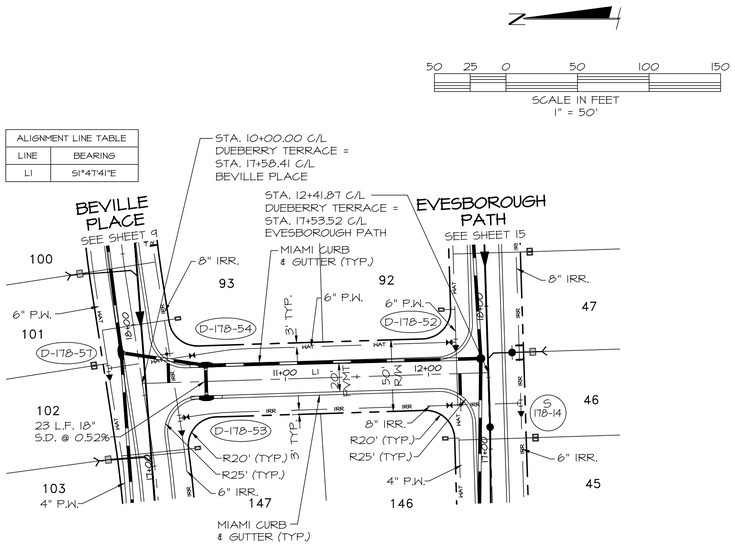
VILLAGES OF SUMTER
UNIT 178

PLAN & PROFILE
RAVEN CROFT TERRACE

DATE 7/26/10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 178 P55.DWG
JOB NO. 921141.1923

SHT. 12 OF 18

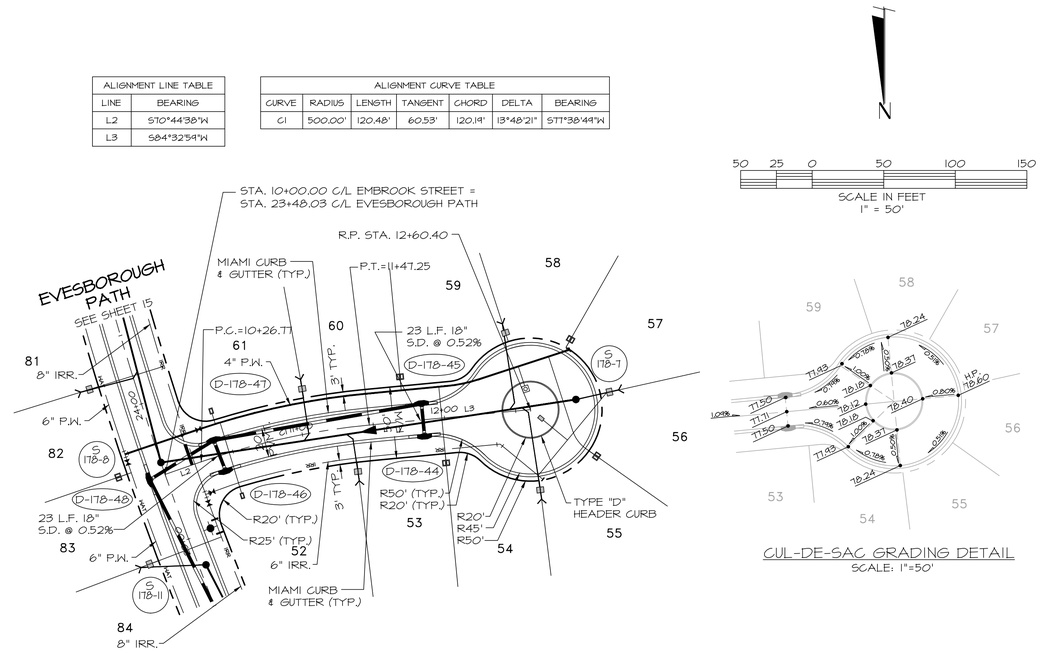
ALIGNMENT LINE TABLE	
LINE	BEARING
L1	S1°47'41"E



DEUBERRY TERRACE

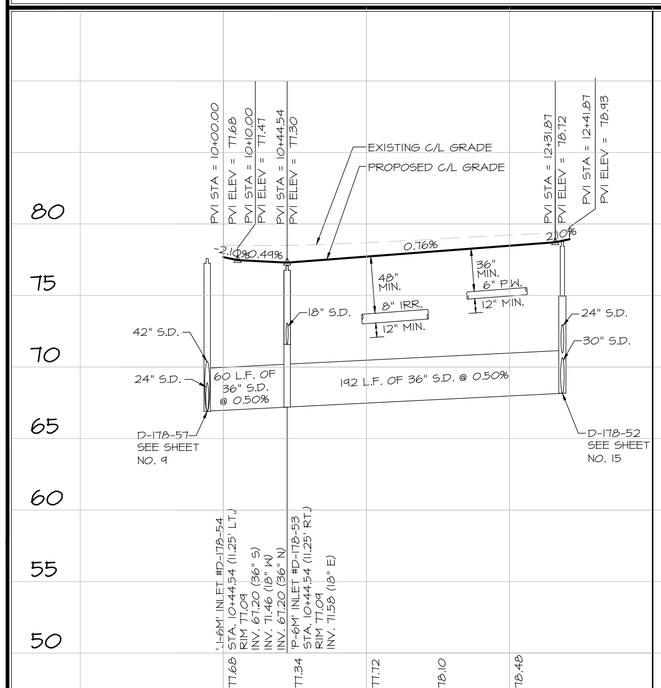
ALIGNMENT LINE TABLE	
LINE	BEARING
L2	S70°44'38"W
L3	S84°32'54"W

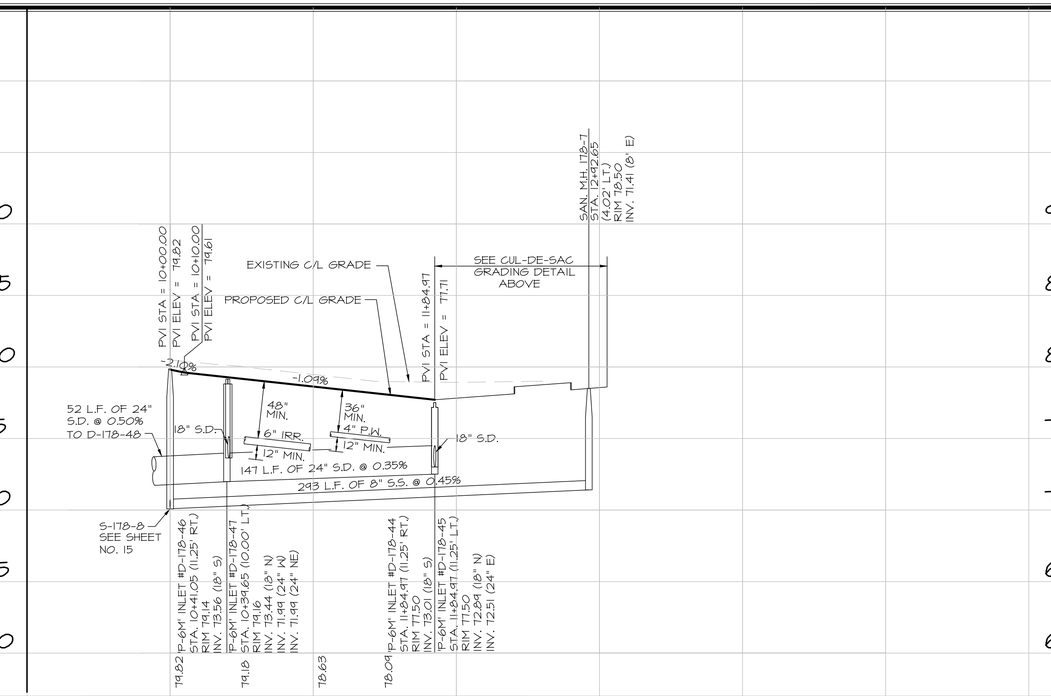
ALIGNMENT CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	BEARING
C1	500.00'	120.48'	60.53'	120.19'	13°48'21"	S77°38'49"W



CUL-DE-SAC GRADING DETAIL
SCALE: 1"=50'

EMBROOK STREET





DATE	REVISIONS	BY

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The Villages

VILLAGES OF SUMTER
UNIT 17B

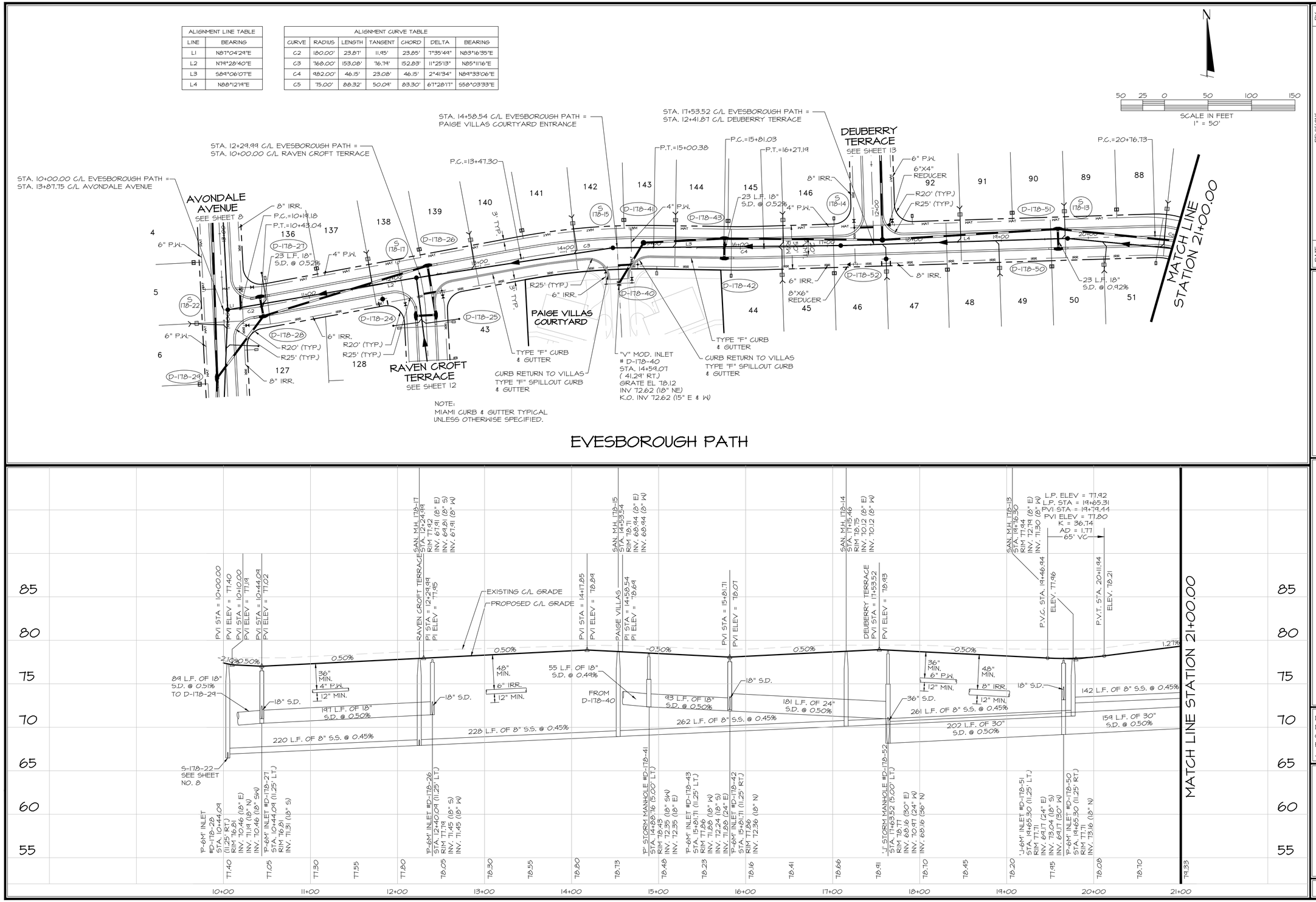
PLAN & PROFILE DEUBERRY TERRACE & EMBROOK STREET

DATE 7/26/10
DRAWN BY M.K.
CHKD BY JAH
FILE NAME 17B PP6.DWG
JOB NO. 92.1141.1923

SHT. 13 OF 18

ALIGNMENT LINE TABLE	
LINE	BEARING
L1	N87°04'24"E
L2	N74°28'40"E
L3	S84°06'07"E
L4	N88°12'19"E

ALIGNMENT CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	BEARING
C2	180.00'	23.87'	11.95'	23.85'	7°35'49"	N83°16'35"E
C3	768.00'	153.08'	76.79'	152.83'	11°25'13"	N85°11'16"E
C4	982.00'	46.15'	23.08'	46.15'	2°41'34"	N84°33'06"E
C5	75.00'	88.32'	50.09'	83.30'	67°28'17"	S58°03'33"E



EVESBOROUGH PATH

DATE	REVISIONS	BY

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Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

The Villages
VILLAGES OF SUMTER UNIT 178

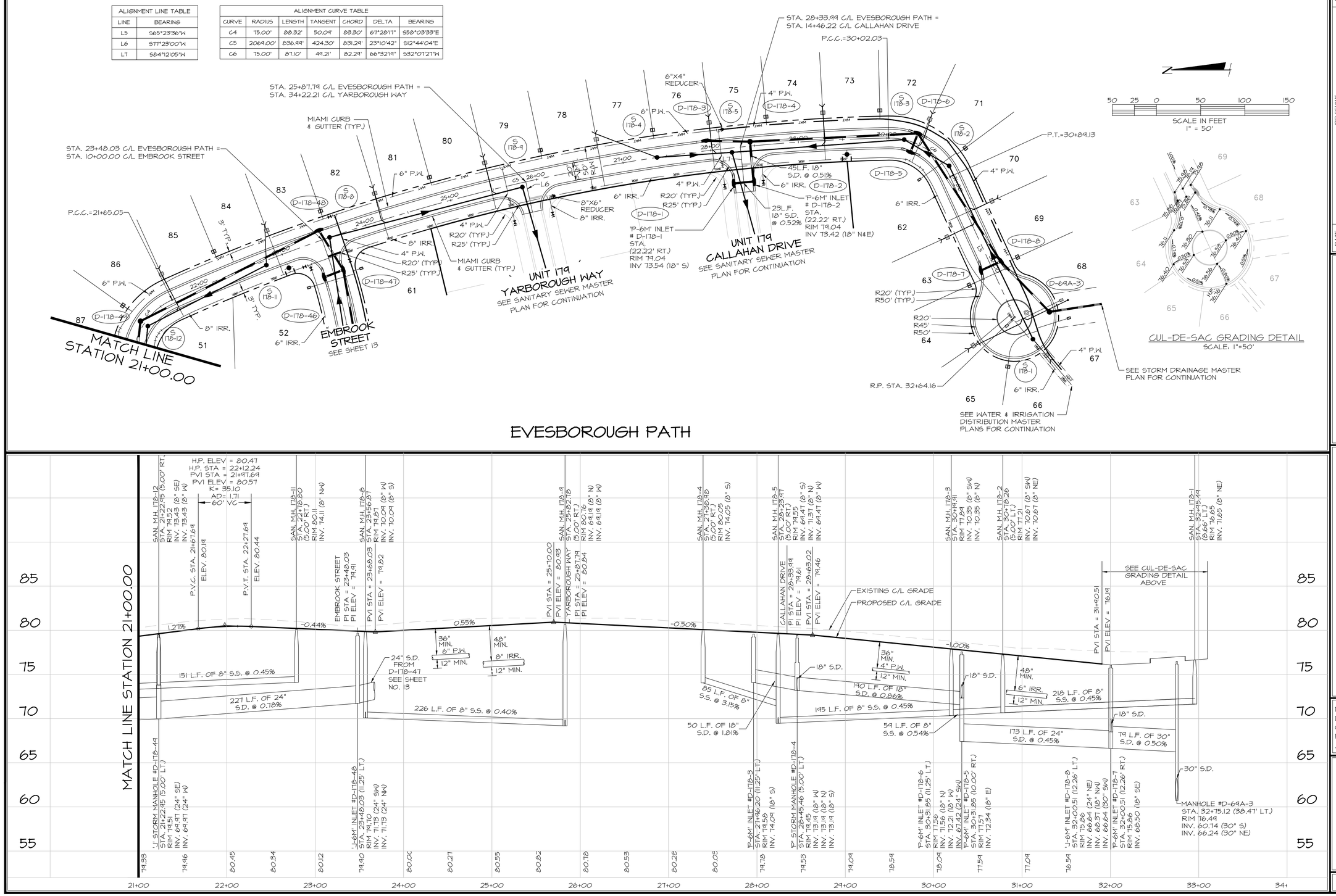
PLAN & PROFILE
EVESBOROUGH PATH

DATE 09/16/10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 178 PP1DWG
JOB NO. 92.141.1923

SHT. 14 OF 18

ALIGNMENT LINE TABLE	
LINE	BEARING
L5	S65°23'36"W
L6	S77°23'00"W
L7	S84°12'05"W

ALIGNMENT CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	BEARING
C4	75.00'	88.32'	50.09'	83.30'	67°28'17"	S58°03'33"E
C5	2069.00'	836.99'	424.30'	831.29'	23°10'42"	S12°44'04"E
C6	75.00'	87.10'	49.21'	82.29'	66°32'19"	S32°07'27"W



EVESBOROUGH PATH

DATE	REVISIONS	BY

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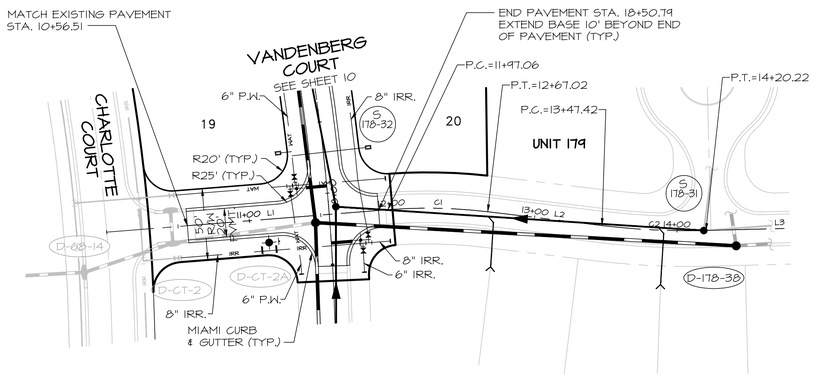
The Villages

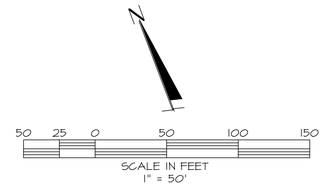
VILLAGES OF SUMTER
UNIT 178

PLAN & PROFILE EVESBOROUGH PATH

DATE 7/26/10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 178 PP&DING
JOB NO. 92114.1923

SHT. 15 OF 18

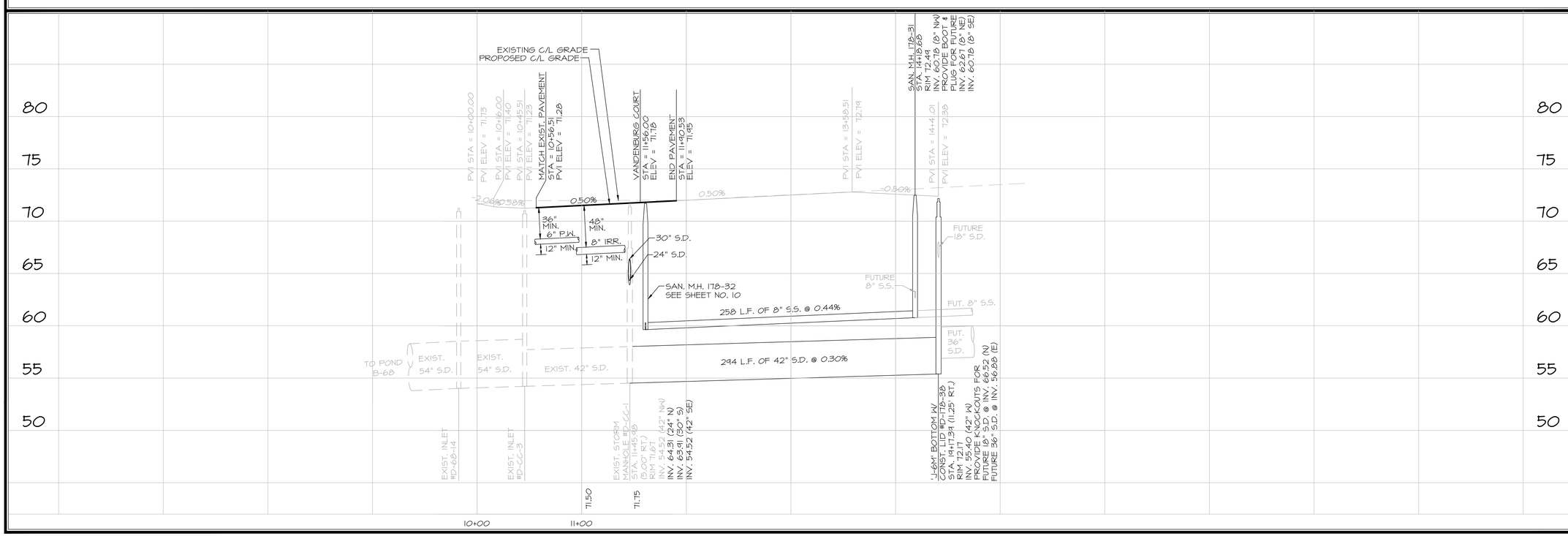




ALIGNMENT LINE TABLE	
LINE	BEARING
L1	S73°44'56"E
L2	S62°22'44"E
L3	S70°43'17"E

ALIGNMENT CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	BEARING
C1	350.00'	69.96'	35.10'	69.85'	11°27'12"	S68°06'20"E
C2	500.00'	72.80'	36.47'	72.74'	8°20'33"	S66°33'00"E

YARBOROUGH WAY



DATE	REVISIONS	BY

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

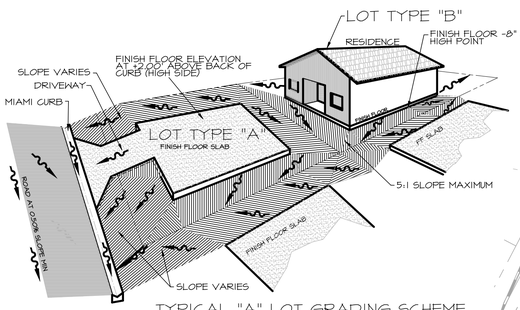
The Villages

VILLAGES OF SUMTER
UNIT 178

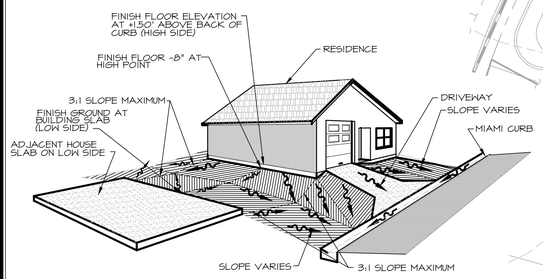
PLAN & PROFILE
YARBOROUGH WAY

DATE 7/26/10
DRAWN BY MJC
CHKD BY JAH
FILE NAME 178 PP.DWG
JOB NO. 92141.1923

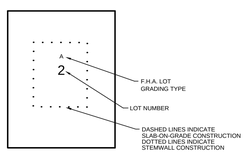
SHT. 16 OF 18



TYPICAL "A" LOT GRADING SCHEME
ADJACENT TO TYPE "B" LOT

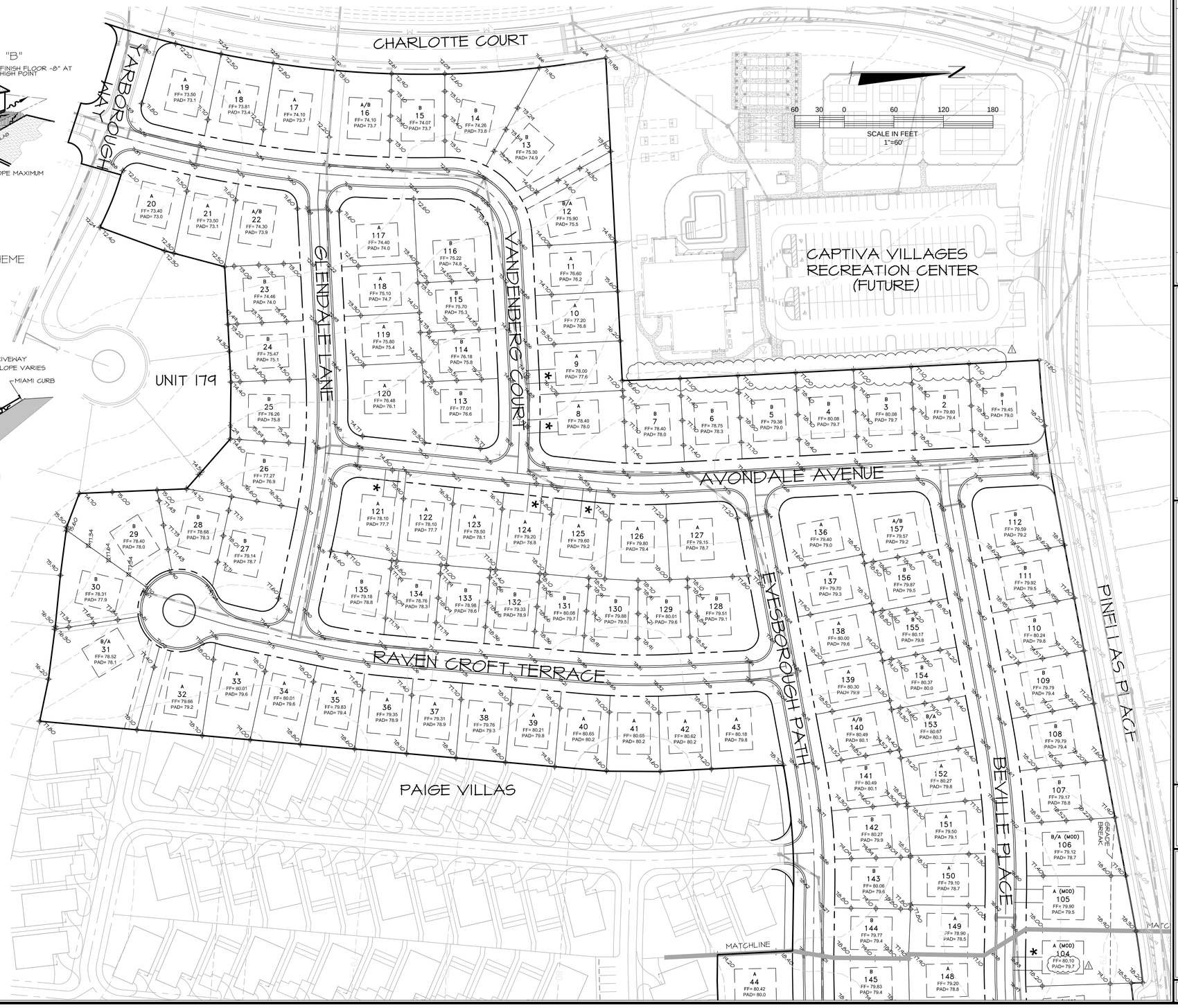


TYPICAL "B" LOT GRADING SCHEME
(60' X 90' LOT)



GENERAL NOTES

1. ALL FINISH FLOOR ELEVATIONS SHALL BE A MINIMUM OF 8" ABOVE THE HIGHEST GRADE ADJACENT TO BUILDING PAD. FLOOR ELEVATIONS SHOWN ARE BASED ON THE MINIMUM FRONT SETBACK. ALL GRADING TYPE "A" LOT FINISH FLOORS SHALL BE AT LEAST 2.0 FT. ABOVE THE HIGHEST ROAD B.O.C. ALONG LOT FRONTAGE. ALL GRADING TYPE "B" LOT FINISH FLOORS SHALL BE AT 1.5' ABOVE THE HIGHEST ROAD B.O.C. ALONG LOT FRONTAGE.
2. DRIVEWAYS SHALL NOT EXCEED A SLOPE OF 10%+/-
3. * INDICATES F.F. BASED ON 10% DRIVEWAY SLOPE. HOME BUILDER MUST VERIFY BACK OF CURB ELEVATIONS BEFORE SETTING F.F. ELEVATION.



REVISIONS		
DATE		BY
11/8/10	△1 PER SUMTER COUNTY COMMENTS OF 11/5/10	

FARNER BARLEY AND ASSOCIATES, INC.
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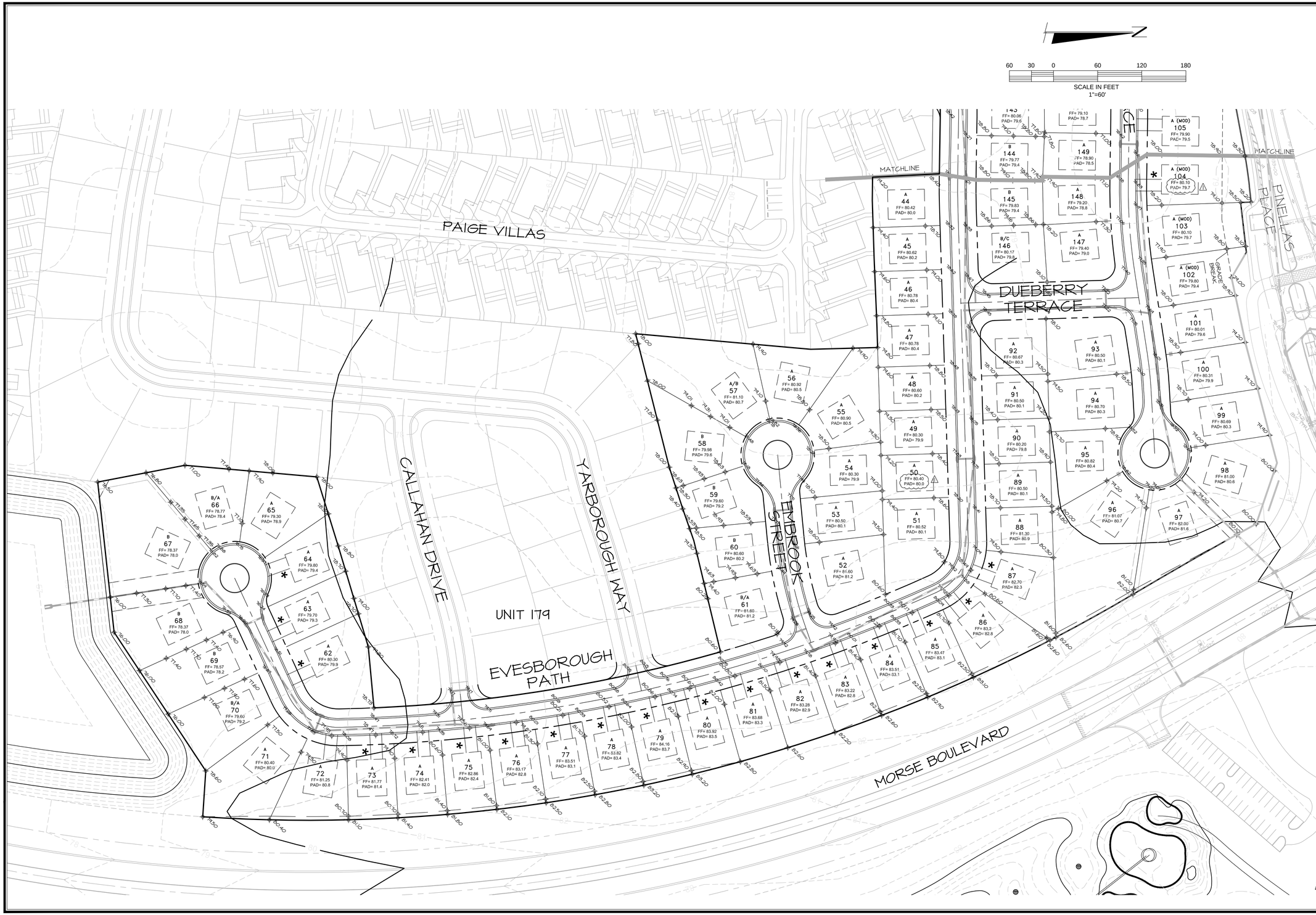
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

The Villages®

VILLAGES OF SUMTER
UNIT 178

MASTER GRADING PLAN

DATE 6-1-10
DRAWN BY MJC
CHKD BY DC/JAH
FILE NAME 178 GRADE1
JOB NO. 921141.1923



DATE	REVISIONS	BY
11/8/10	PER SUMTER COUNTY COMMENTS OF 11/5/10	

FARNER BARLEY AND ASSOCIATES, INC.
ENGINEERS ▲ SURVEYORS ▲ PLANNERS
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4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

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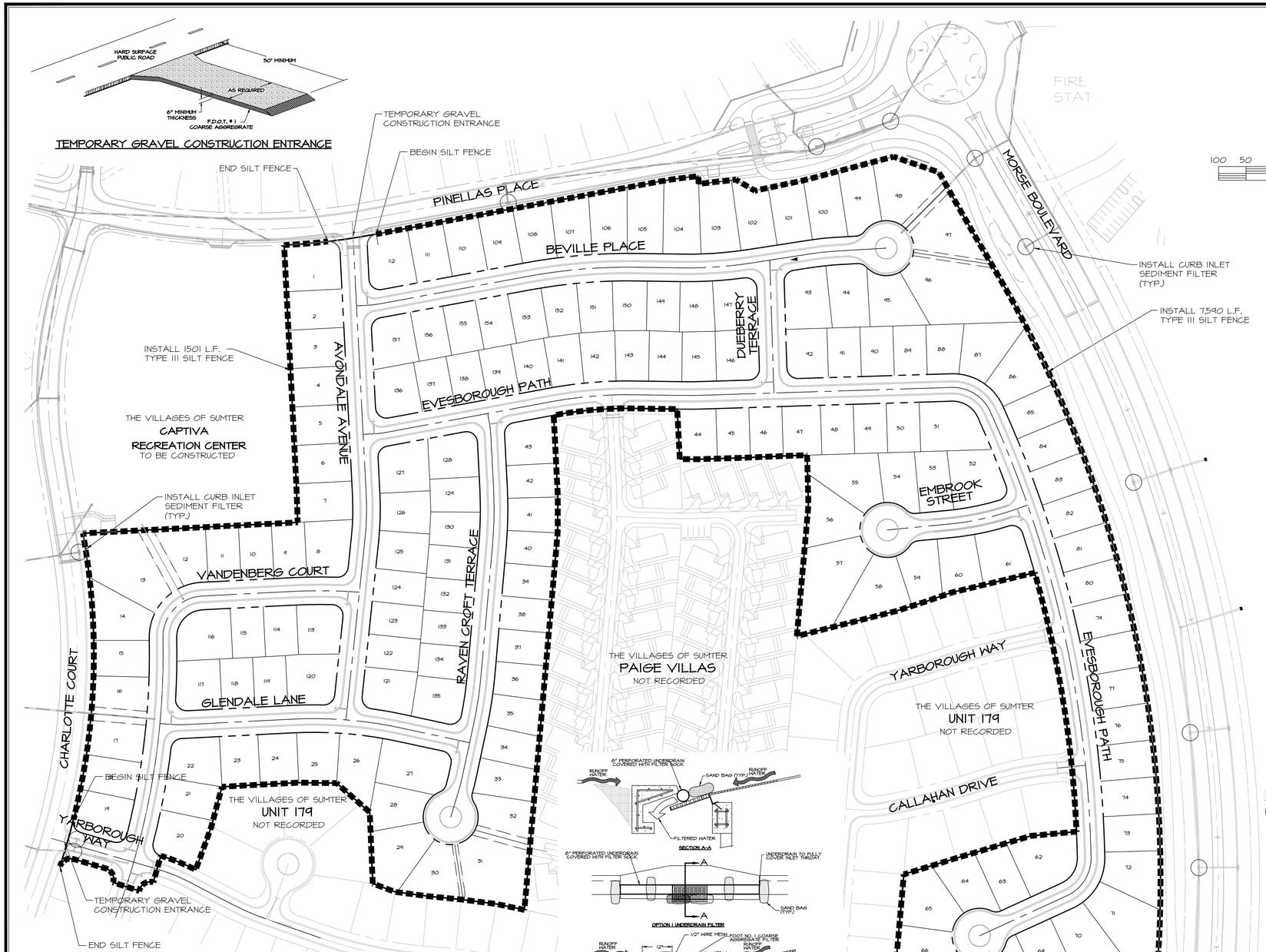
VILLAGES OF SUMTER
UNIT 178

MASTER GRADING PLAN

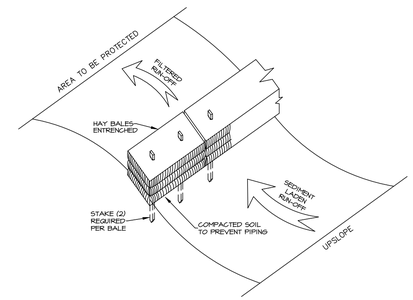
DATE 6-1-10
DRAWN BY MJC
CHKD BY DC/JAH
FILE NAME 178 GRADE1
JOB NO. 921141.1923

SHT. 18 OF 18



TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

NOTE: 1,501 L.F.
+7,590 L.F.
TOTAL = 9,091 L.F. TYPE III SILT FENCE

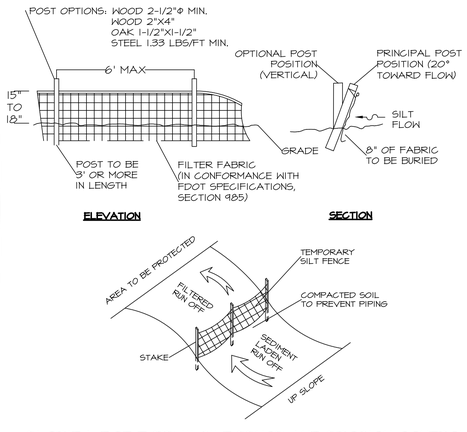


EROSION CONTROL STRUCTURE

NOT TO SCALE

NOTES:

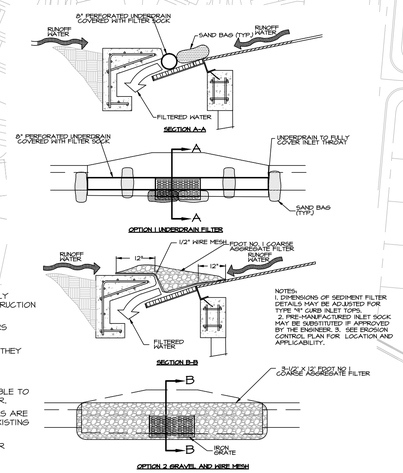
1. TEMPORARY EROSION CONTROL STRUCTURE TO BE UTILIZED DURING CONSTRUCTION AT AREAS DESIGNATED BY ENGINEER OR AREAS ON-SITE WHERE UNSTABILIZED GRADES MAY CAUSE EROSION PROBLEMS. EROSION CONTROL STRUCTURE MAY BE REMOVED AFTER UPSLOPE AREA HAS BEEN STABILIZED BY SOD, OR COMPACTED AS DETERMINED BY CONTRACTOR.
2. ALTERNATE EROSION CONTROL STRUCTURE:
   WOVEN FILTER FABRIC SILT FENCE IN ACCORDANCE WITH F.D.O.T. INDEX #102. FILTER FABRIC IN ACCORDANCE WITH SECTION 985 OF THE F.D.O.T. STANDARD SPECIFICATIONS.



FLORIDA DOT TYPE III SILT FENCE AND EROSION CONTROL

EROSION CONTROL NOTES

1. THE FOLLOWING LIST REPRESENTS A BASIC EROSION AND SEDIMENT CONTROL PROGRAM WHICH IS TO BE IMPLEMENTED TO HELP PREVENT OFF SITE SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT.
2. TEMPORARY EROSION CONTROL TO BE UTILIZED DURING CONSTRUCTION AT AREAS DESIGNATED BY THE ENGINEER OR AREAS ON SITE WHERE UNSTABILIZED GRADES MAY CAUSE EROSION PROBLEMS. EROSION CONTROL MAY BE REMOVED AFTER UPSLOPE AREA HAS BEEN STABILIZED BY SOD, OR COMPACTED AS DETERMINED BY THE OWNER.
3. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICAL TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHOULD BE THE PLACEMENT OF PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT OR THE INITIAL WORK AREA TO PROTECT THE PROJECT, ADJACENT PROPERTIES AND WATER RESOURCES.
4. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS CONTROL THROUGHOUT THE CONSTRUCTION PHASE. TEMPORARY MEASURES SHALL NOT BE CONSTRUCTED FOR EXPEDIENCY IN LIEU OF PERMANENT MEASURES.
5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.
6. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.
7. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
8. MATERIAL FROM SEDIMENT TRAPS SHALL NOT BE STOCKPILED OR DISPOSED OF IN A MANNER WHICH MAKES THEM READILY SUSCEPTIBLE TO BEING WASHED INTO ANY WATERCOURSE BY RUNOFF OR HIGH WATER.
9. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
10. SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).
11. PROTECT ALL CURB INLETS & GRATE INLETS AS SHOWN IN DETAILS SD-26 & SD-27 OF THE VILLAGES CONSTRUCTION & DEVELOPMENT MANUAL, LATEST EDITION.



CURB INLET SEDIMENT FILTER DETAIL

N.T.S.

DATE	REVISIONS	BY

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road O Wildwood, Florida 34785 O (352) 748-3126

The Villages Designer

VILLAGES OF SUMTER
UNIT 178

EROSION CONTROL MASTER PLAN

DATE 7-13-10
DRAWN BY MJC
CHKD BY JAH
FILE NAME EC-178-R06
JOB NO. 92141.1423

SHT. EC OF EC

DATE	ISSUE	BY

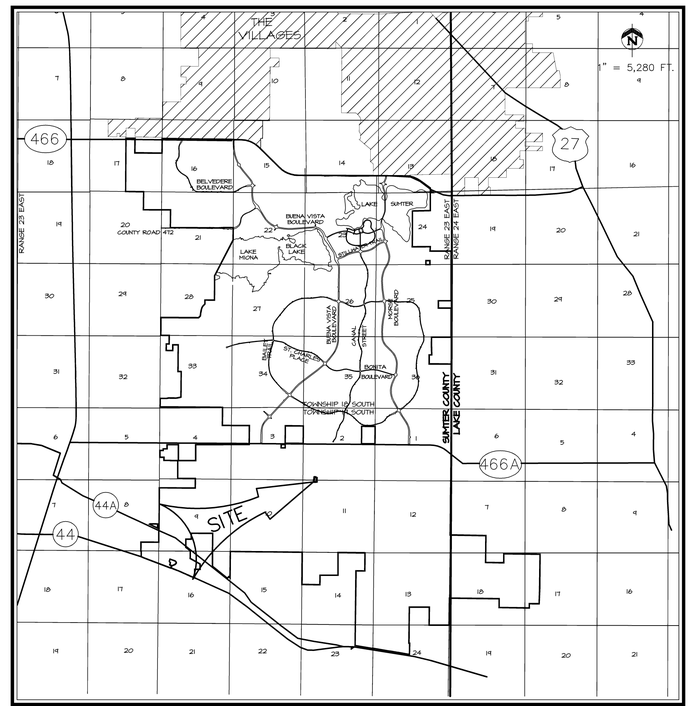
The Villages®

PRELIMINARY / ENGINEERING PLAN OF VILLAGE OF FERNANDINA POSTAL PARK AND NEIGHBORHOOD RECREATION CENTER (SC-323 NR)

LEGAL DESCRIPTION

LEGAL DESCRIPTION
THAT LAND LYING IN SECTIONS 2 AND 11, TOWNSHIP 19 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

FROM THE SOUTHWEST CORNER OF THE SOUTHEAST 1/4 OF SAID SECTION 2 RUN N00°22'17"E, ALONG THE WEST LINE THEREOF A DISTANCE OF 235.27 FEET; THENCE DEPARTING SAID WEST LINE, S84°37'43"E, 836.99 FEET TO THE POINT OF BEGINNING; THENCE N85°53'19"E, 63.71 FEET; THENCE S64°48'05"E, 120.55 FEET; THENCE S01°20'38"E, 301.64 FEET; THENCE S88°28'16"W, 206.54 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHEASTERLY AND HAVING A RADIUS OF 25.00 FEET; THENCE NORTHWESTERLY ALONG THE ARC THEREOF THROUGH A CENTRAL ANGLE OF 90°10'20", A DISTANCE OF 39.35 FEET TO THE POINT OF COMPOUND CURVATURE OF A CURVE CONCAVE EASTERLY AND HAVING A RADIUS OF 370.00 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 18°26'16", A DISTANCE OF 119.07 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 1,844.72 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 02°52'23", A DISTANCE OF 95.01 FEET TO THE POINT OF COMPOUND CURVATURE OF A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 380.00 FEET; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 18°19'10", A DISTANCE OF 121.50 FEET TO THE POINT OF BEGINNING.
CONTAINING 1.57 ACRES, MORE OR LESS.



VICINITY MAP

SECTIONS 2 & 11; TOWNSHIP 19 SOUTH; RANGE 23 EAST
SUMTER COUNTY, FLORIDA

INDEX OF SHEETS

Sheet Number	Sheet Title
01	COVER
02	AERIAL PHOTOGRAPH
03	MASTER DEVELOPMENT PLAN
04	SITE PLAN
05	GRADING & DRAINAGE PLAN
06	UTILITIES PLAN
E-1	EROSION CONTROL PLAN

THE STANDARD DETAILS FOR THIS PROJECT SHALL BE FOUND IN "THE VILLAGES CONSTRUCTION DETAILS MANUAL, DATED MAY 1, 2009", PREPARED BY GRANT & DZURO, OR AS AMENDED BY THESE PLANS.

OWNER/DEVELOPER:
THE VILLAGES OF LAKE-SUMTER, INC.
990 OLD MILL RUN
THE VILLAGES, FL 32162
JOHN R. GRANT, VICE PRESIDENT

ENGINEER:
FARNER, BARLEY AND ASSOCIATES, INC.
4450 N.E. 83rd ROAD
WILDWOOD, FLORIDA 34785
WOODROW L. CLYMER, P.E.
FL. LIC. NO. 69780

NOTE: ELEVATIONS SHOWN ARE BASED ON THE VILLAGES DATUM. TO OBTAIN N.G.V.D. ADD 3.46 FEET.

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

DATE	REVISIONS	BY

FARNER BARLEY ▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
AND ASSOCIATES, INC.
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3128

The Villages®

VILLAGES OF SUMTER
FERNANDINA POSTAL PARK &
NEIGHBORHOOD REC. CENTER (SC-323 NR)

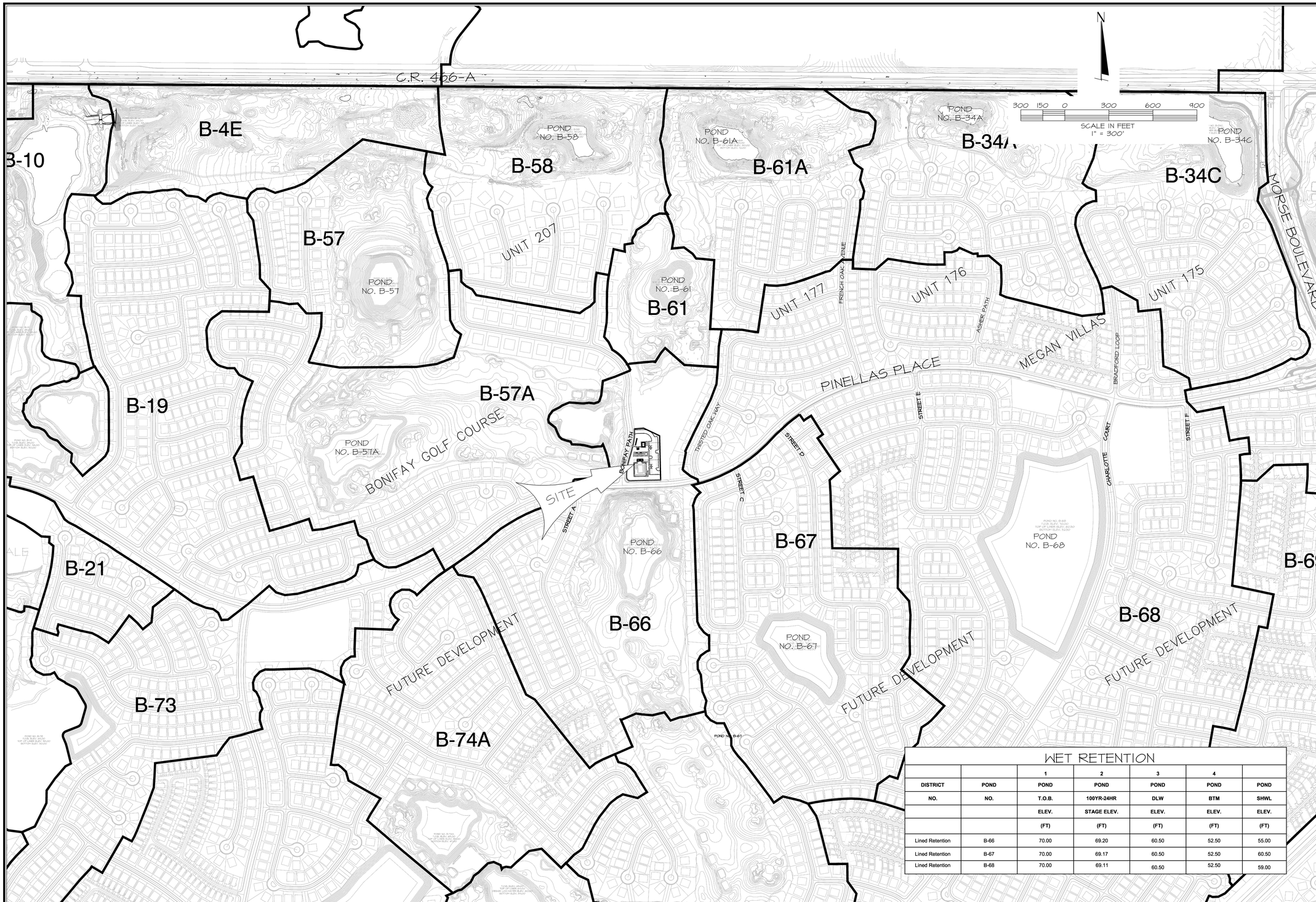
AERIAL PHOTOGRAPH

DATE 11/15/10
DRAWN BY MJT
CHKD BY WLC
FILE NAME ~~F-NRC-MASTER~~
JOB NO. 921141.2025

ENGINEER: WOODROW LEE OLMER, JR., P.E. # 69780
DATE:

SHT. 02 OF 06

S:\SUMTER\SITEPLANS\Fernandina NRC\CIVIL\CONSTRUCTION\F-NRC-MASTER.dwg, 02 AERIAL PHOTOGRAPH, 11/15/2010 9:21:13 AM, miket, KIP3100ACAD(PLOTFILE).pc3



WET RETENTION

DISTRICT NO.	POND NO.	1 POND T.O.B. ELEV. (FT)	2 POND 100YR-24HR STAGE ELEV. (FT)	3 POND DLW ELEV. (FT)	4 POND BTM ELEV. (FT)	POND SHWL ELEV. (FT)
Lined Retention	B-66	70.00	69.20	60.50	52.50	55.00
Lined Retention	B-67	70.00	69.17	60.50	52.50	60.50
Lined Retention	B-68	70.00	69.11	60.50	52.50	59.00

DATE	REVISIONS	BY

FARNER BARLEY AND ASSOCIATES, INC.
ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road o Wildwood, Florida 34785 o (352) 748-3128

The Villages®

VILLAGES OF SUMTER
FERNANDINA POSTAL PARK &
NEIGHBORHOOD REC. CENTER (SC-323 NR)

MASTER DEVELOPMENT PLAN

DATE 11/15/10
DRAWN BY MJT
CHKD BY WLC
FILE NAME F-NRC-MASTER
JOB NO. 921141.2025

ENGINEER: WOODROW LEE CLYMER, JR., P.E. # 69780
DATE:

SHT. 03 OF 06

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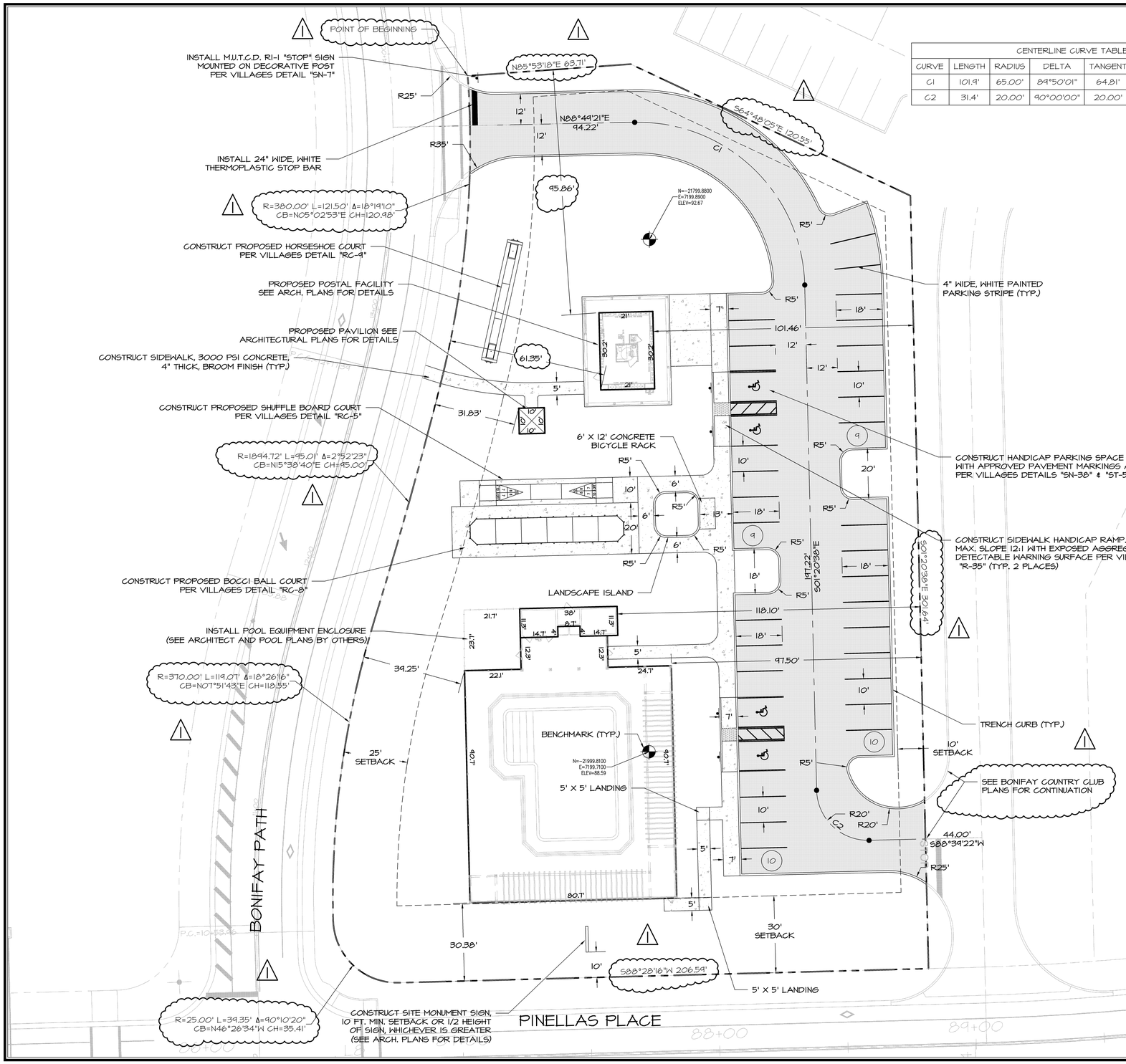

CENTERLINE CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD BNG.	CHORD
C1	101.9'	65.00'	89°50'01"	64.81'	N46°15'39"W	101.91'
C2	31.4'	20.00'	90°00'00"	20.00'	S46°20'38"E	31.42'

N

20 10 0 20 40 60

SCALE IN FEET
1" = 20'

SITE DATA

1. TOTAL ACRES = 1.57 AC. (68,553 SQ. FT.)
2. ZONING = PUD (JULY 3, 2003)
3. PROJECT ADDRESS - TO BE ASSIGNED
4. BUILDING TYPE =
   - POSTAL BUILDING: 1 STORY WOOD FRAMED 18' HEIGHT (1,401 SQ. FT.)
   - POOL BUILDING: ONE STORY CONCRETE BLOCK 16' HEIGHT (849 SQ. FT.)
   - PAVILION: (100 SQ. FT.)
5. PARKING DATA:
   STANDARD PARKING SPACES (PROVIDED):
   10' x 18' SPACES = 34
   HANDICAP PARKING SPACES (REQUIRED):
   12' x 18' SPACES = 2
   HANDICAP PARKING SPACES (PROVIDED):
   12' x 18' SPACES = 4
6. ENGINEER/SURVEYOR - FARNER BARLEY & ASSOCIATES, INC.
   4450 N.E. 83RD ROAD
   WILDWOOD, FLORIDA 34785
   (352) 748-3126
7. SOIL TYPE - CANDLER SAND
8. PERMITTING AGENCIES:
   -SUMTER COUNTY -S.W.F.W.M.D. -F.D.E.P. WATER
9. WATER AND SANITARY SEWER PROVIDED BY CENTRAL SUMTER UTILITY COMPANY.
10. UNDERGROUND ELECTRICAL TRANSMISSION SYSTEM PROVIDED BY SECO
11. SOLID WASTE BY LOCAL FRANCHISE.
12. TELEPHONE SERVICE BY CENTURY LINK.
13. IRRIGATION AND FIRE PROTECTION BY S.W.C.A.
14. GAS PROVIDED / SERVICED BY TECO.
15. LOCATED IN SECTIONS 2 & 11, TOWNSHIP 19 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA.
16. MONUMENT SIGN SETBACKS PER SUMTER COUNTY LAND DEVELOPMENT REGULATIONS.
17. AREAS FOR TOTAL SITE

PROPOSED BUILDING =	1,129 S.F.	(0.02 AC.)	1.65%
PROPOSED POOL / DECK =	7,767 S.F.	(0.18 AC.)	11.33%
PROPOSED POOL EQUIPMENT =	528 S.F.	(0.01 AC.)	0.07%
PROPOSED RECREATION COURTS AND SIDEWALKS =	6,723 S.F.	(0.15 AC.)	9.81%
PROPOSED PARKING / DRIVEWAY =	17,623 S.F.	(0.40 AC.)	25.71%
IMPERVIOUS AREA =	33,770 S.F.	(0.77 AC.)	49.26%
OPEN AREA =	34,783 S.F.	(0.80 AC.)	50.74%
PROJECT AREA =	68,553 S.F.	(1.57 AC.)	100.00%

BUILDING SETBACKS

* 30 FT FROM PINELLAS PLACE
* 10 FT FROM INTERIOR PROPERTY LINE
* 10 FT FROM CONTIGUOUS PROPERTY LINE NOT ZONED RESIDENTIAL
* 15 FT FROM CONTIGUOUS PROPERTY LINE ZONED RESIDENTIAL
* 25 FT FROM BONIFAY PATH

NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ANY EXISTING UTILITIES IN CONFLICT WITH THIS PROPOSED SITE PLAN, AND TO COORDINATE RELOCATION WITH RESPECTIVE UTILITY PROVIDERS.
2. ALL RADII ARE 5' UNLESS INDICATED OTHERWISE.
3. ALL DIMENSION SHOWN ARE TO EOP UNLESS INDICATED OTHERWISE.
4. ALL TRAFFIC CONTROL SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. ALL TRAFFIC FLOW ARROWS, STOP BARS AND TRAFFIC SEPARATION CENTERLINES SHALL BE LEAD-FREE PAINT.
6. SITE LIGHTING TO BE PROVIDED BY POLE MOUNTED LIGHT FIXTURES.
7. ALL HANDICAP ACCESSIBLE PARKING SPACES, HANDICAP ACCESSIBLE SIDEWALK ROUTES AND ALL SITE SIDEWALKS ARE NOT TO EXCEED A 2.00% MAXIMUM CROSS SLOPE. IF DURING FINAL BUILDING INSPECTION ANY OF THESE AREAS ARE FOUND EXCEEDING ACCEPTABLE LIMITS (MAX. 2.00%) FOR CERTIFICATE OF OCCUPANCY IT SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR TO REMOVE AND REPLACE ALL AREAS FOUND TO BE UNACCEPTABLE BY INSPECTOR. THIS WORK SHALL BE COMPLETED WITH NO ADDITIONAL COST TO OWNER AND/OR DESIGNERS.

NOTICE TO CONTRACTOR:

1. REFER TO THE GEOTECHNICAL ENGINEERING STUDY PROVIDED BY ANDREYEV ENGINEERING, INC., FOR CONCLUSION AND RECOMMENDATIONS FOR FOUNDATION SUPPORT AND PAVEMENT DESIGN.
2. BEFORE DIGGING IT IS THE CONTRACTORS RESPONSIBILITY TO HAVE UNDERGROUND UTILITIES LOCATED FOR PROTECTION, SO AS NOT TO DISTURB ANY UTILITIES REMAINING ON AND OFF SITE.

DATE	REVISIONS	BY
11-12-10	1 REVISED PER SUMTER COUNTY COMMENTS DATED NOV. 4TH AND 5TH, 2010	MJT

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

The Villages

VILLAGES OF SUMTER
FERNANDINA POSTAL PARK & NEIGHBORHOOD REC. CENTER (SC-323 NR)
SITE PLAN

DATE 11/15/10
DRAWN BY MJT
CHKD BY WLC
FILE NAME F-NRC-Site
JOB NO. 921141.2025

ENGINEER: WOODROW LEE CLYMER, JR., P.E. # 69780
DATE:

SHT. 04 OF 06

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NOTES:

1. ELEVATIONS SHOWN WERE OBTAINED BY SURVEY AND ARE BASED ON THE VILLAGES DATUM. TO OBTAIN N.G.V.D. ADD 3.46 FEET.
2. ALL PROPOSED ELEVATIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
3. THE STANDARD DETAILS FOR THIS PROJECT SHALL BE FOUND IN "THE VILLAGES CONSTRUCTION DETAILS, MAY 1, 2004" PREPARED BY GRANT & DZURO OR AS AMENDED BY THESE PLANS.
4. PROJECT IS NOT WITHIN 100 YR FLOOD PLANE PER FEMA PANEL 12026C0125B, AND IS LOCATED IN ZONE C.

NOTE:
ALL HANDICAP ACCESSIBLE PARKING SPACES, HANDICAP ACCESSIBLE SIDEWALK ROUTES AND ALL SITE SIDEWALKS ARE NOT TO EXCEED A 2.00% MAXIMUM CROSS SLOPE.

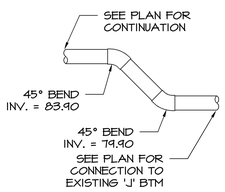
IF DURING FINAL BUILDING CERTIFICATION ANY OF THESES AREAS ARE FOUND EXCEEDING ACCESSIBILITY LIMITS (MAXIMUM 2.00%) FOR CERTIFICATE OF OCCUPANCY, IT SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR TO REMOVE AND REPLACE ALL AREAS FOUND TO BE UNACCEPTABLE BY INSPECTOR. THIS WORK SHALL BE COMPLETED WITH NO ADDITIONAL COST TO OWNER AND/OR DESIGNERS.

NOTE:
DRAINAGE PIPING:
(S.D.) STORM DRAINAGE PIPE
(R.D.) ROOF DRAIN PIPE
(Y.D.) YARD DRAIN PIPE

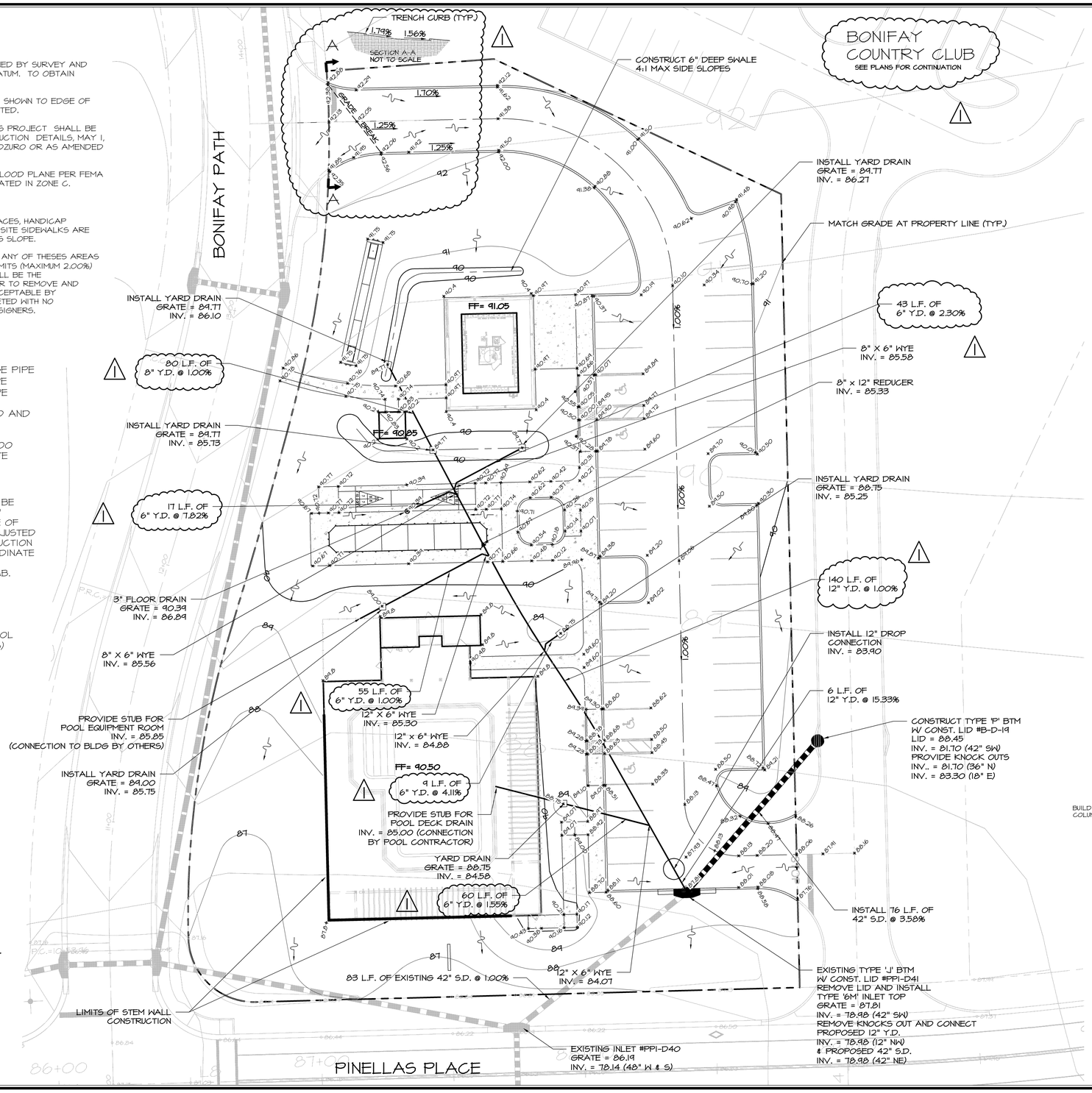
SHALL BE F.D.O.T. APPROVED AND OF ONE OF THE FOLLOWING MATERIALS:
P.V.C. SDR35 OR A2000
REINFORCED CONCRETE

NOTE:
FINISH FLOOR ELEVATIONS MAY BE ADJUSTED BASED ON "AS-BUILT" ELEVATION OF PROPOSED EDGE OF PAVEMENT ELEVATIONS AND ADJUSTED ACCORDINGLY BEFORE CONSTRUCTION OF PROPOSED BUILDING. COORDINATE WITH SITE ENGINEER BEFORE CONSTRUCTION OF BUILDING SLAB.

NOTE:
1. POOL DECK DRAIN BY POOL CONTRACTOR (BY OTHERS)



DROP CONNECTION DETAIL
NOT TO SCALE

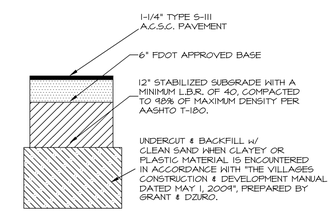


N

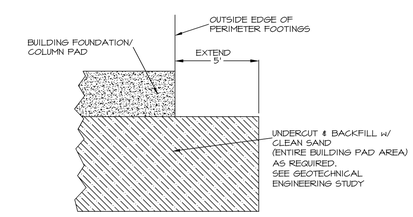
SCALE IN FEET
1" = 20'

LEGEND

- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING INLET
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED YARD DRAIN
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED ELEVATION
- EXISTING PAVEMENT ELEVATION
- EXISTING GROUND ELEVATION
- DIRECTION OF DRAINAGE



PARKING LOT PAVEMENT SECTION



BUILDING PAD SECTION

DATE	REVISIONS	BY
11-12-10	REVISED PER SUMTER COUNTY COMMENTS DATED NOV. 4TH AND 5TH, 2010	MJT

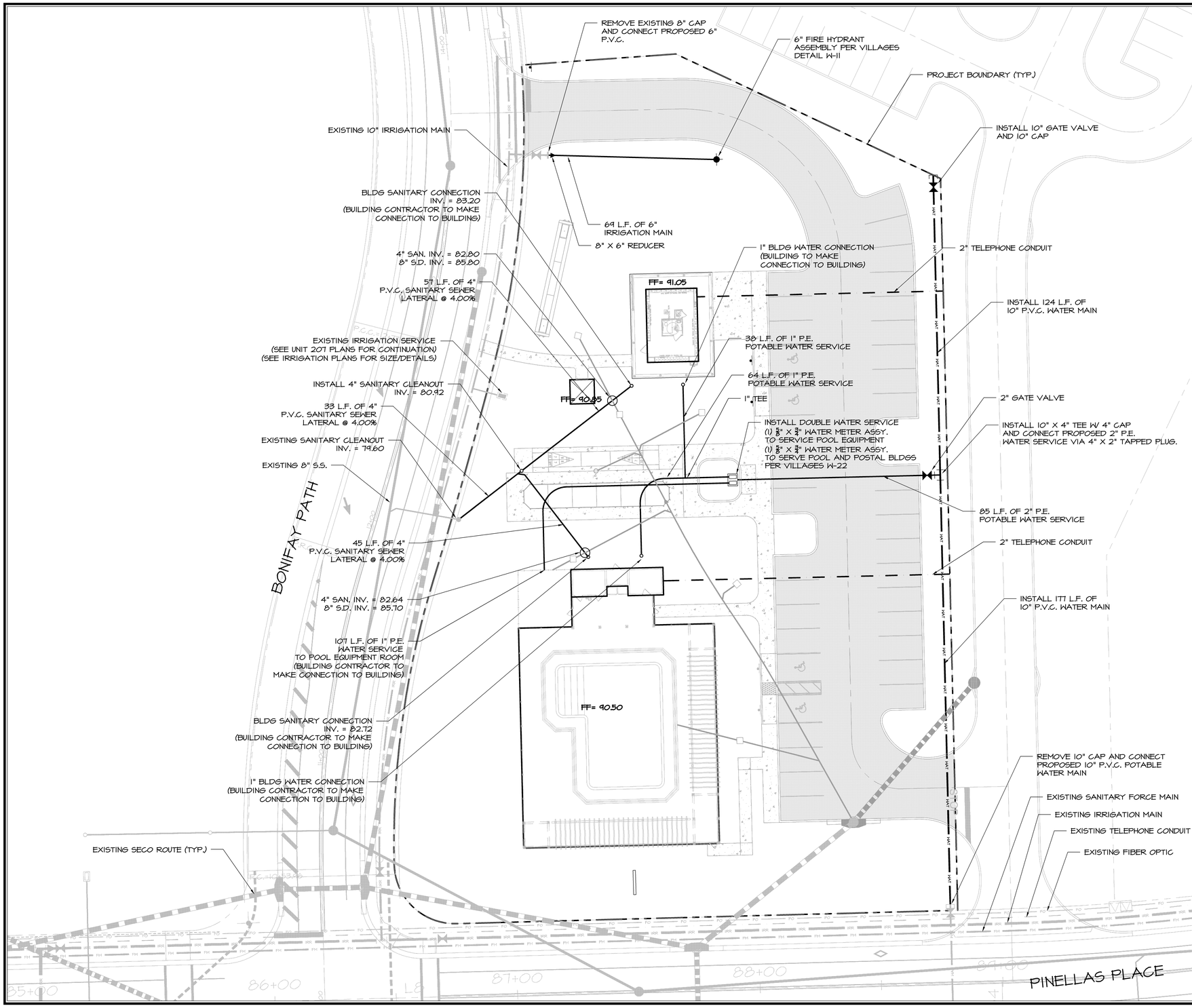
FARNER BARLEY ▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS AND ASSOCIATES, INC.
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road o Wildwood, Florida 34785 o (352) 748-3128

VILLAGES OF SUMTER
FERNANDINA POSTAL PARK & NEIGHBORHOOD REC. CENTER (SC-323 NR)
GRADING & DRAINAGE PLAN

DATE 11/15/10
DRAWN BY MJT
CHKD BY WLC
FILE NAME F-NRC-GRADING
JOB NO. 921141.2025

ENGINEER: WOODROW LEE CLYMER, JR., P.E. # 69780
DATE:

SHT. 05 OF 06



LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING VALVE
- PROPOSED VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING SINGLE WATER SERVICE
- EXISTING DOUBLE WATER SERVICE
- PROPOSED SINGLE WATER SERVICE
- PROPOSED DOUBLE WATER SERVICE
- FIRE DEPARTMENT CONNECTION (F.D.C.)

LEGEND

- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING MANHOLE
- PROPOSED MANHOLE
- MANHOLE NUMBER
- EXISTING DOUBLE SEWER SERVICE
- EXISTING SINGLE SEWER SERVICE
- PROPOSED DOUBLE SEWER SERVICE
- PROPOSED SINGLE SEWER SERVICE
- EXISTING LIFT STATION

NOTE:
1. IT IS THE RESPONSIBILITY OF THE SITE CONTRACTOR TO CONSTRUCT ALL WATER SERVICES, WATER AND FIRE MAINS, AND SANITARY SEWER TRUNKS AND LATERAL SERVICES AS SHOWN ON THESE PLANS TO WITHIN 5 FT OF THE EXTERIOR WALL OF EACH OF THE BUILDING STRUCTURES AS SHOWN ON THESE PLANS. IT IS THE RESPONSIBILITY OF THE SITE CONTRACTOR TO CONNECT PROPOSED FIRE MAINS AND WATER MAINS TO BACK FLOW PREVENTORS LOCATED INSIDE THE PROPOSED BUILDINGS. THE SITE CONTRACTOR WILL COORDINATE WITH ARCHITECT AND CIVIL ENGINEER TO VERIFY LOCATION AND SIZE OF BUILDING CONNECTIONS OF PROPOSED WATER, FIRE AND SANITARY SERVICES.

DATE	REVISIONS	BY

FARNER BARLEY AND ASSOCIATES, INC.
ENGINEERS SURVEYORS PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road o Wildwood, Florida 34785 o (352) 748-3128

The Villages®

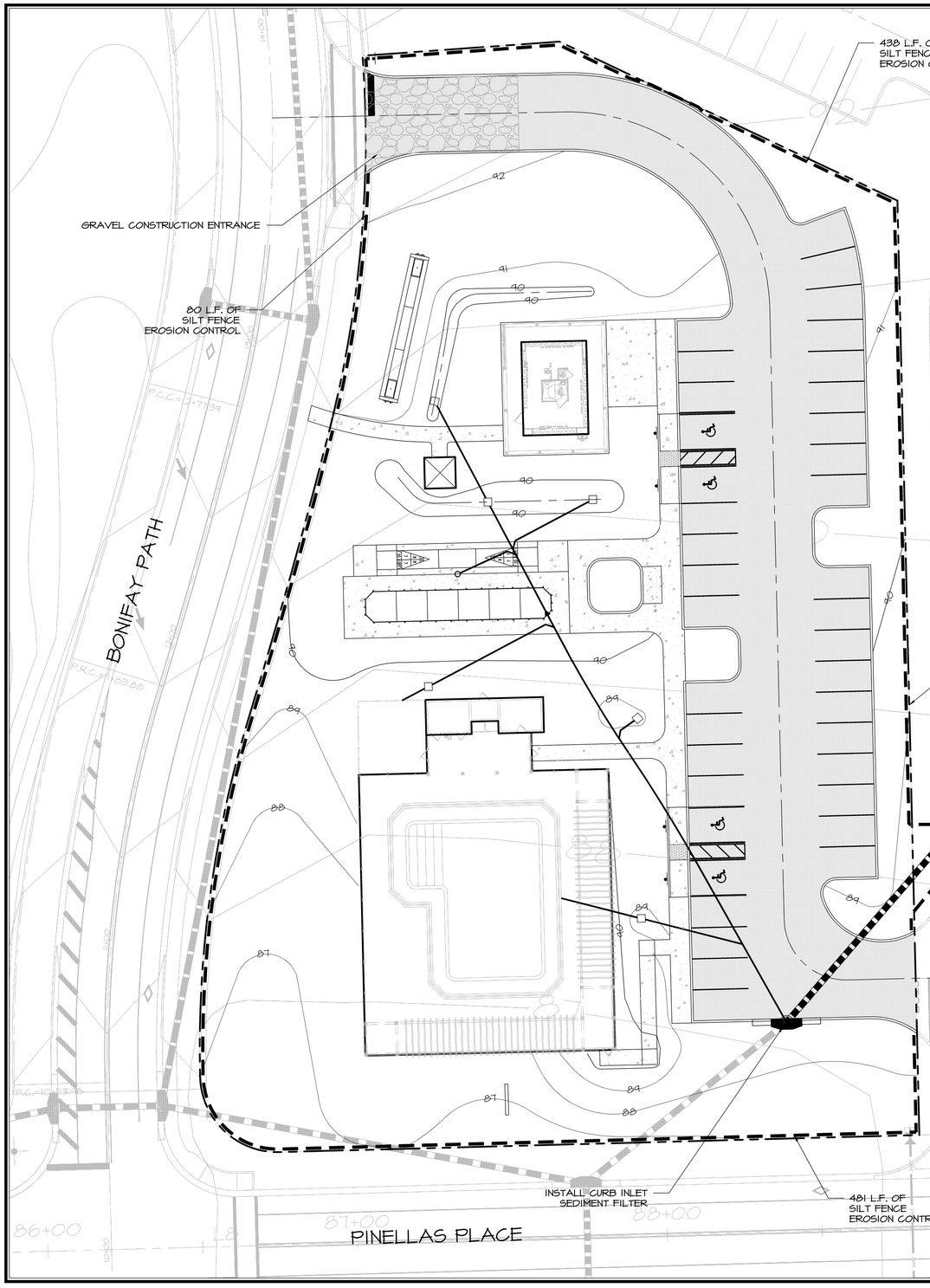
VILLAGES OF SUMTER
FERNANDINA POSTAL PARK & NEIGHBORHOOD REC. CENTER (SC-323 NR)

UTILITIES PLAN

DATE 11/15/10
DRAWN BY MJT
CHKD BY WLC
FILE NAME F-NRC-utilities
JOB NO. 921141.2025

ENGINEER: WOODROW LEE CLYMER, JR., P.E. # 69780
DATE:

SHT. 06 OF 06



NOTES:

1. THE FOLLOWING LIST REPRESENTS A BASIC EROSION AND SEDIMENT CONTROL PROGRAM WHICH IS TO BE IMPLEMENTED TO HELP PREVENT OFF SITE SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT.

2. TEMPORARY EROSION CONTROL TO BE UTILIZED DURING CONSTRUCTION AT AREAS DESIGNATED BY THE ENGINEER OR AREAS ON SITE WHERE UNSTABILIZED GRADES MAY CAUSE EROSION PROBLEMS. EROSION CONTROL MAY BE REMOVED AFTER UPSLOPE AREA HAS BEEN STABILIZED BY SOD, OR COMPACTED AS DETERMINED BY THE OWNER.

3. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICAL TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHOULD BE THE PLACEMENT OF PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT OR THE INITIAL WORK AREA TO PROTECT THE PROJECT, ADJACENT PROPERTIES AND WATER RESOURCES.

4. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS CONTROL THROUGHOUT THE CONSTRUCTION PHASE. TEMPORARY MEASURES SHALL NOT BE CONSTRUCTED FOR EXPEDIENCY IN LIEU OF PERMANENT MEASURES.

5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.

6. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.

7. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.

8. MATERIAL FROM SEDIMENT TRAPS SHALL NOT BE STOCKPILED OR DISPOSED OF IN A MANNER WHICH MAKES THEM READILY SUSCEPTIBLE TO BEING WASHED INTO ANY WATERCOURSE BY RUNOFF OR HIGH WATER.

9. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

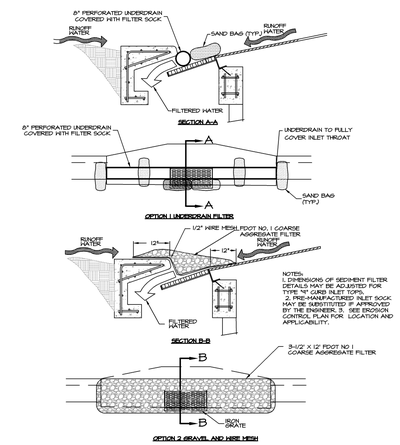
10. SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

11. SILT FENCE TO REMAIN IN PLACE UNTIL FINISH GRADING FOR THE LANDSCAPING IS UNDER WAY.

N

20 10 0 20 40 60

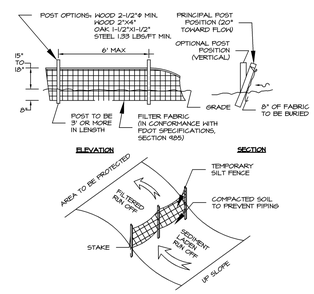
SCALE IN FEET
1" = 20'



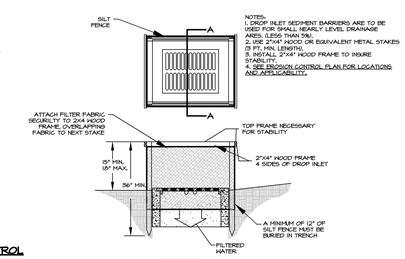
NOTES:
1. DIMENSIONS OF SEDIMENT FILTER DETAILS MAY BE ADJUSTED FOR TYPE "C" CURB INLET TOPS.
2. THE SEDIMENT FILTER INLET SOCK MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER. 3. SEE EROSION CONTROL PLAN FOR LOCATION AND APPLICABILITY.

CURB INLET SEDIMENT FILTER DETAIL

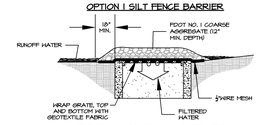
N.T.S.



FLORIDA DOT TYPE III SILT FENCE AND EROSION CONTROL



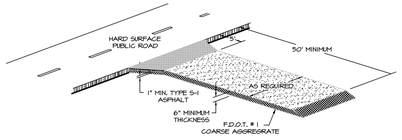
OPTION 1 SILT FENCE BARRIER



OPTION 2 GRAVEL AND HIRE MESH FILTER

DROP INLET SEDIMENT FILTER DETAIL

N.T.S.



GRAVEL CONSTRUCTION ENTRANCE

N.T.S.

NOTE:
THE EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE, IN THE OPINION OF THE ENGINEER, THE MINIMUM THAT MAY BE REQUIRED. ACTUAL FIELD CONDITIONS MAY REQUIRE EITHER ADDITIONAL OR REDUCED EROSION CONTROL MEASURES TO BE IMPLEMENTED. THE CONTRACTOR IS DIRECTED TO FOLLOW STANDARD BEST MANAGEMENT PRACTICES IN IMPLEMENTING A SUCCESSFUL EROSION CONTROL PLAN.

WOODROW L. CLYMER, P.E.
REGISTERED ENGINEER NO. 69780
STATE OF FLORIDA

JOHN R. GRANT
VICE PRESIDENT
THE VILLAGES OF LAKE-SUMTER, INC.

DATE	REVISIONS	BY

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3128

The Villages®

VILLAGES OF SUMTER
FERNANDINA POSTAL PARK & NEIGHBORHOOD REC. CENTER (SC-323 NR)
EROSION CONTROL PLAN

DATE 11/15/10
DRAWN BY MJT
CHKD BY WLC
FILE NAME F-NRC-erosion
JOB NO. 921141.2025

ENGINEER: WOODROW LEE CLYMER, JR., P.E. # 69780
DATE:

SHT. E-1 OF E-1

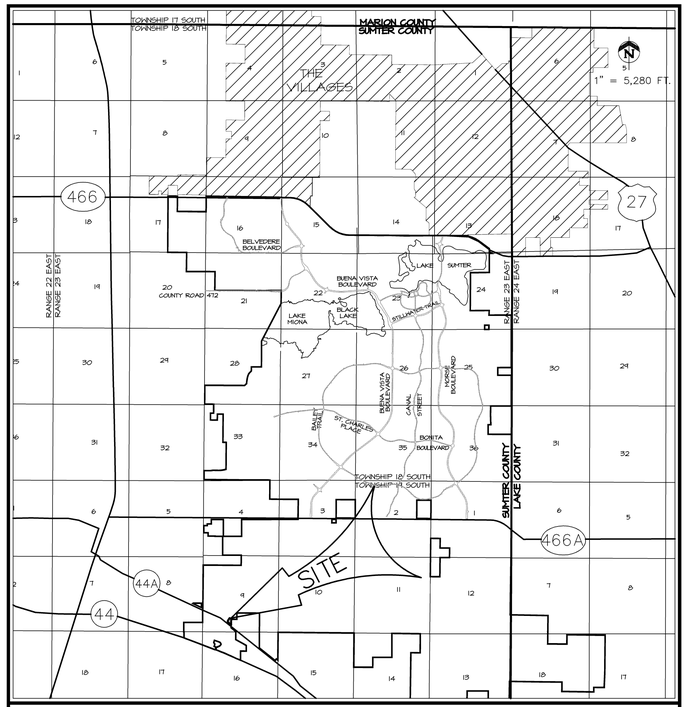
S:\SUMTER\SITEPLANS\Fernandina NRC\CIVIL\CONSTRUCTION\F-NRC-erosion.dwg, E-1 EROSION CONTROL PLAN, 11/15/2010 9:18:49 AM, miket, KIP3100ACAD(PLOTFILE).pc3

The Villages®

PRELIMINARY / ENGINEERING PLAN OF CENTRAL SUMTER UTILITIES ELEVATED STORAGE TANK

LEGAL DESCRIPTION

A PARCEL OF LAND BEING A PORTION OF TRACT "B", VILLAGES OF SUMTER BUENA VISTA BOULEVARD CORRIDOR, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 12, PAGES 1, 1A THROUGH 1D, INCLUSIVE, PUBLIC RECORDS OF SUMTER COUNTY, FLORIDA, BEING DESCRIBED AS FOLLOWS:
BEGIN AT THE SOUTHEAST CORNER OF SAID TRACT "B", ALSO BEING A POINT ON THE NORTHERLY RIGHT OF WAY MAINTENANCE LINE OF COUNTY ROAD 44A PER MAP BOOK 4, PAGE 117; (THENCE RUN THE FOLLOWING 3 COURSES ALONG THE BOUNDARY LINES OF SAID TRACT "B"): N51°36'13"W, ALONG SAID NORTHERLY RIGHT OF WAY MAINTENANCE LINE A DISTANCE OF 253.24 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE EAST, HAVING A RADIUS OF 115.00 FEET AND A CHORD BEARING AND DISTANCE OF N08°02'08"W, 158.45 FEET TO WHICH A RADIAL BEARING BEARS S38°25'09"W; THENCE DEPARTING SAID NORTHERLY RIGHT OF WAY MAINTENANCE LINE RUN NORTHERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 87°05'25", AN ARC DISTANCE OF 174.80 FEET TO THE POINT OF TANGENCY; THENCE N35°30'35"E, 195.28 FEET; THENCE DEPARTING SAID BOUNDARY LINE OF TRACT "B" RUN S54°29'25"E, 134.53 FEET TO A POINT BEING ON THE BOUNDARY LINE OF SAID TRACT "B"; THENCE S00°20'06"W, ALONG SAID BOUNDARY LINE A DISTANCE OF 345.02 FEET TO THE POINT OF BEGINNING.
CONTAINING 1.71 ACRES, MORE OR LESS.



VICINITY MAP

SECTION 9
TOWNSHIP 19 SOUTH; RANGE 23 EAST
SUMTER COUNTY, FLORIDA

INDEX OF SHEETS

1.	COVER SHEET
2.	AERIAL PHOTOGRAPH
3.	MASTER DEVELOPMENT PLAN
4.	SITE, GRADING & UTILITY PLAN
5.	ELEVATED STORAGE TANK DETAILS
E1	EROSION CONTROL MASTER PLAN

THIS PLAN HAS BEEN APPROVED BY THE VILLAGES AND NO CHANGES SHALL OCCUR TO THE LAYOUT, DESIGN OR ANY OTHER ASPECT OF THE PLAN, WITHOUT RESUBMITTAL AND SUBSEQUENT APPROVAL OF ANY REQUESTED REVISIONS. UPON COMPLETION OF THE SITE WORK, THE VILLAGES RESERVES THE ABSOLUTE RIGHT TO REVIEW THE FINISHED CONSTRUCTION AND TO DETERMINE WHETHER THE COMPLETED JOB MEETS THE APPROVED SUBMITTAL PLANS AND SPECIFICATIONS. THE PARCEL DEVELOPER SHALL BE RESPONSIBLE FOR CONTACTING THE VILLAGES TO SPECIFICALLY REQUEST A FINAL INSPECTION. ANY DEFICIENCIES FOUND BY THE VILLAGES WILL BE IDENTIFIED IN WRITING TO THE PARCEL DEVELOPER, WHO SHALL IMMEDIATELY TAKE ALL CORRECTIVE ACTION NECESSARY TO REMEDY ANY DEFICIENCIES. FINAL APPROVAL FROM THE VILLAGES SHALL BE OBTAINED PRIOR TO SUBMITTAL OF THE FINAL CERTIFICATION OF COMPLETION TO SUMTER COUNTY BY THE PROJECT ENGINEER.

THE STANDARD DETAILS FOR THIS PROJECT SHALL BE FOUND IN "THE VILLAGES CONSTRUCTION DETAILS MANUAL, DATED MAY 1, 2009", PREPARED BY GRANT & DZURO, OR AS AMENDED BY THESE PLANS.

NOTE: ELEVATIONS SHOWN WERE OBTAINED BY SURVEY AND ARE BASED ON THE VILLAGES DATUM. TO OBTAIN N.G.V.D. ADD 3.46 FEET.

OWNER:
THE VILLAGES OF LAKE-SUMTER, INC.
990 OLD MILL RUN
THE VILLAGES, FL 32162
JOHN R. GRANT, VICE PRESIDENT

DEVELOPER:
CENTRAL SUMTER UTILITY COMPANY, LLC
990 OLD MILL RUN
THE VILLAGES, FLORIDA 32162
JOHN F. WISE, TREASURER

ENGINEER:
FARNER, BARLEY AND ASSOCIATES, INC.
4450 N.E. 83rd ROAD
WILDWOOD, FLORIDA 34785
WOODROW LEE CLYMER JR, P.E.
FLA. LIC. NO. 69780

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

DATE	REVISIONS	BY

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road O Wildwood, Florida 34785 O (352) 748-3126

The Villages

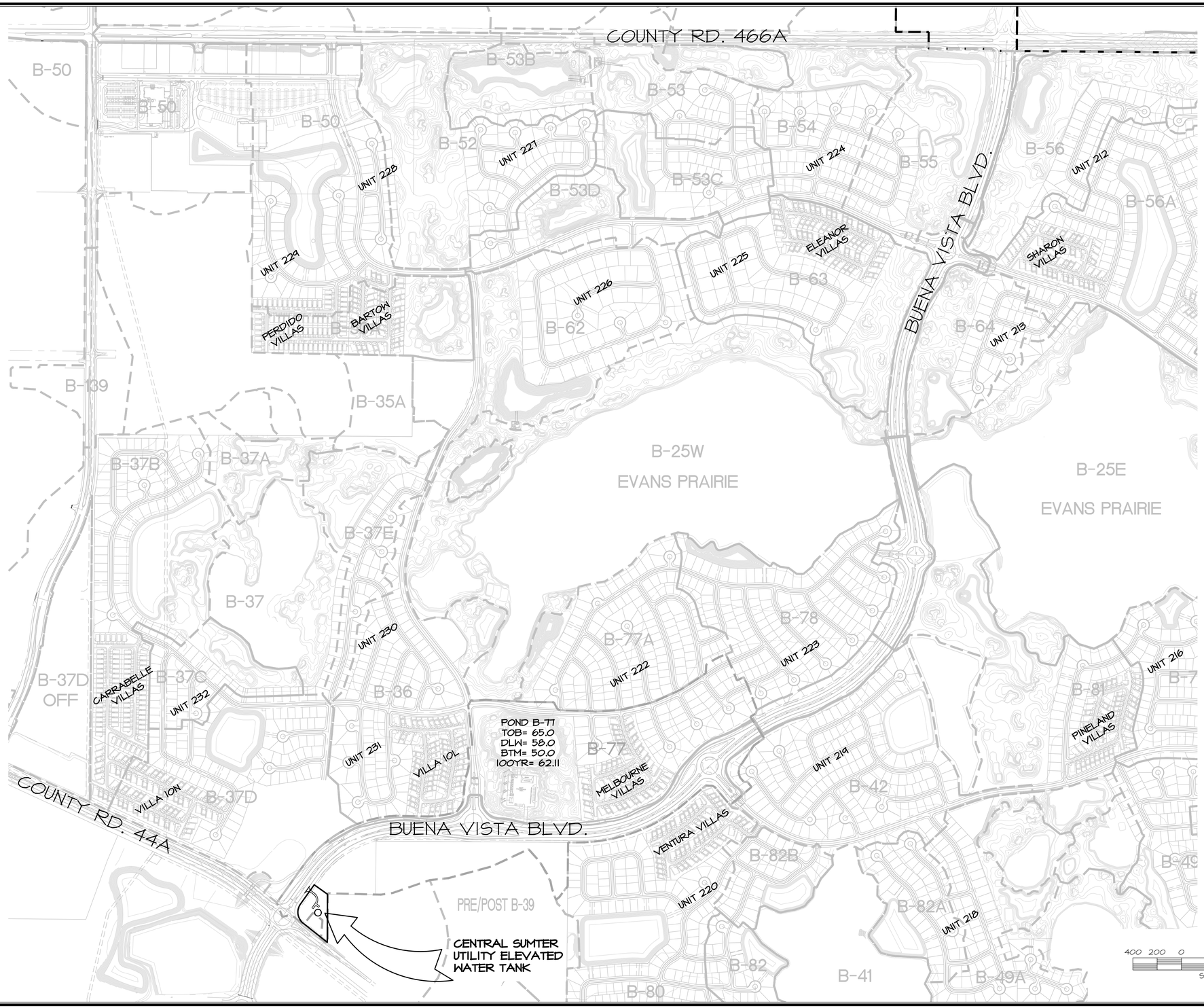
CENTRAL SUMTER UTILITIES
ELEVATED STORAGE TANK

AERIAL PHOTOGRAPH

DATE 10-5-10
DRAWN BY MJF
CHKD BY WLC
FILE NAME CSU-ETI-AERIAL
JOB NO.

ENGINEER: WOODROW LEE CLYMER, JR., P.E. # 69780
DATE:

SHT. 2 OF 5



DATE	REVISIONS	BY

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road O Wildwood, Florida 34785 O (352) 748-3126

The Villages

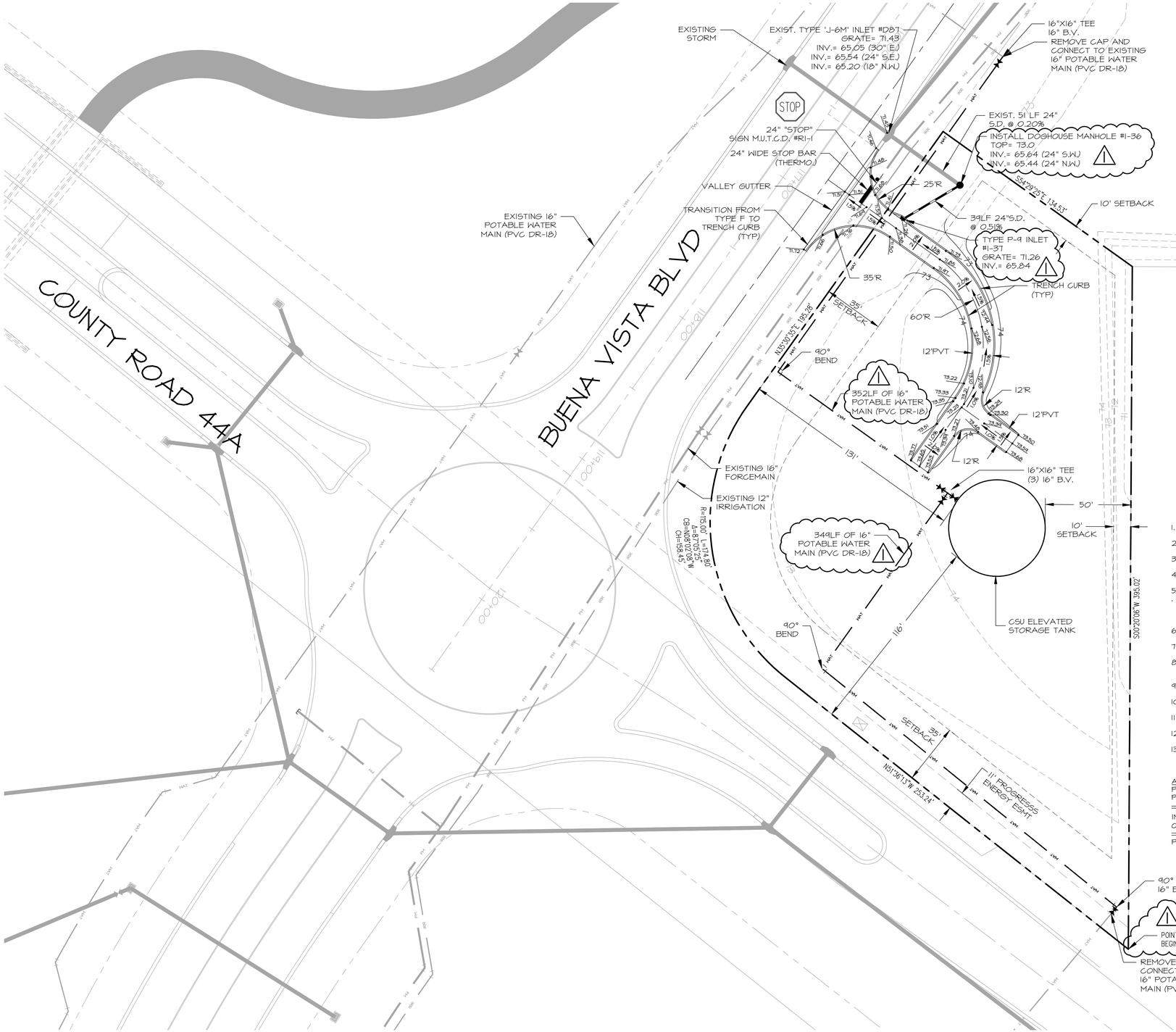
CENTRAL SUMTER UTILITIES
ELEVATED STORAGE TANK

MASTER DEVELOPMENT PLAN

DATE 10-5-10
DRAWN BY MJF
CHKD BY WLC
FILE NAME CSU-ETI-MDEV
JOB NO.

ENGINEER: WOODROW LEE CLYMER, JR., P.E. # 69780
DATE:

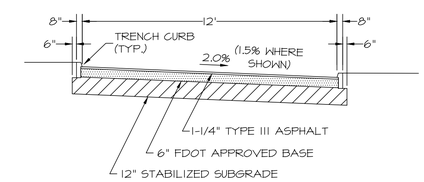
SHT. 3 OF 5



N

30 15 0 30 60 90

SCALE IN FEET
1" = 30'



TYPICAL ROAD SECTION

N.T.S.

SITE DATA

1. PROJECT AREA = 1.71 AC. (74,348 SQ. FT.)
2. ZONING = PUD
3. PROJECT ADDRESS - TO BE ASSIGNED
4. BUILDING TYPE - TO BE DETERMINED
5. ENGINEER/SURVEYOR - FARNER BARLEY & ASSOCIATES, INC
   4450 N.E. 83RD ROAD
   WILDWOOD, FLORIDA 34785
   (352) 748-3126
6. SOIL TYPE - CANDLER SAND
7. PERMITTING AGENCIES: -S.W.F.W.M.D. -SUMTER COUNTY
8. WATER AND SANITARY SEWER PROVIDED BY CENTRAL SUMTER UTILITY COMPANY.
9. UNDERGROUND ELECTRICAL TRANSMISSION SYSTEM PROVIDED BY SECO
10. SOLID WASTE BY LOCAL FRANCHISE.
11. TELEPHONE SERVICE BY CENTURY LINK.
12. GAS PROVIDED / SERVICED BY TECO.
13. LOCATED IN SECTIONS 9, TOWNSHIP 19 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA.

AREAS FOR TOTAL SITE (BASED ON FOOTPRINT, NOT INTERIOR SQ. FOOTAGE)

PROPOSED WATER TOWER	= 314 S.F. (0.01 AC.)
PROPOSED PAVEMENT	= 2,828 S.F. (0.06 AC.)
IMPERVIOUS AREA	= 3,142 S.F. (0.07 AC.) 4.2%
OPEN AREA	= 71,206 S.F. (1.64 AC.) 95.8%
PROJECT AREA	= 74,348 S.F. (1.71 AC.) 100%

NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ANY EXISTING UTILITIES IN CONFLICT WITH THIS PROPOSED SITE PLAN, AND TO COORDINATE RELOCATION WITH RESPECTIVE UTILITY PROVIDERS.
2. ALL DIMENSION SHOWN ARE TO EOP UNLESS INDICATED OTHERWISE.
3. ALL TRAFFIC CONTROL SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
4. ALL TRAFFIC FLOW ARROWS, STOP BARS AND TRAFFIC SEPARATION CENTERLINES SHALL BE THERMOPLASTIC PAINT.
5. TANK LIGHTING TO BE PROVIDED BY POLE MOUNTED LIGHT FIXTURES.
6. ALL CONSTRUCTION SHALL CONFORM TO FDEP REGULATIONS.

DATE	REVISIONS	BY
11-9-10	PER COUNTY REVIEW COMMENTS	MJF

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

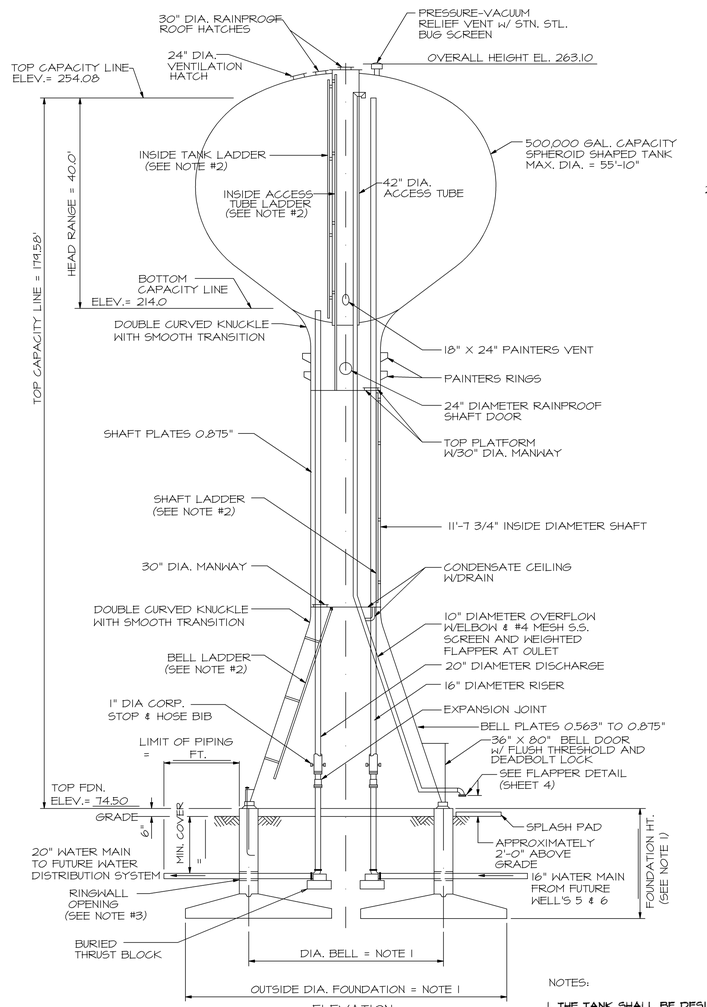
The Villages

CENTRAL SUMTER UTILITIES
ELEVATED STORAGE TANK

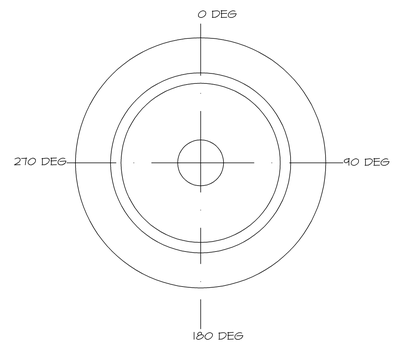
SITE, GRADING & UTILITY PLAN

DATE 10-5-10
DRAWN BY MJF
CHKD BY WLC
FILE NAME CSU-ETI-SITE
JOB NO.

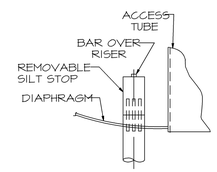
ENGINEER: _____
WOODROW LEE CLYMER, JR., P.E. # 69780
DATE: _____



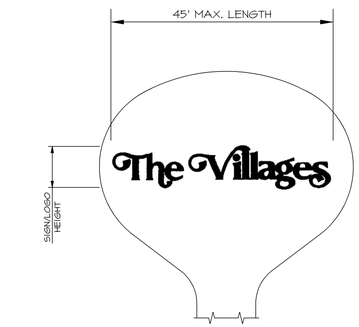
ELEVATION
(N.T.S.)



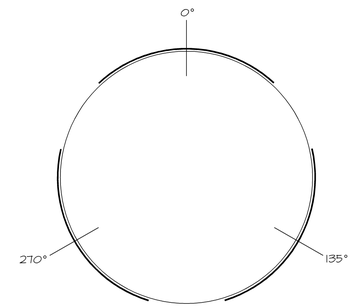
ORIENTATION PLAN



RISER WITH BAR OVER & REMOVABLE SILT STOP

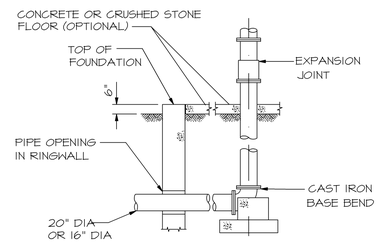


SIGN OR LOGO
(OPTIONAL)

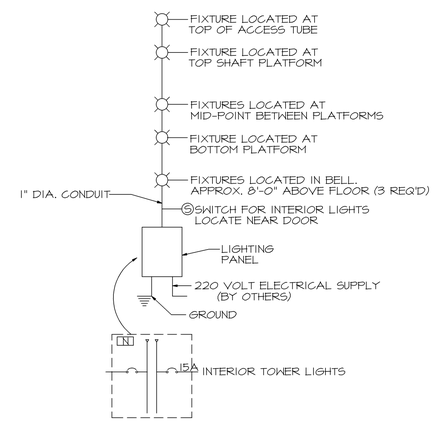


3 EVENLY SPACED LOGO'S
MAX. CIRCUMFERENCE = 175.41'
SEPARATION BETWEEN LOGO'S = 13.5'

ROTATE 90.0°



BURIED THRUST BLOCK DETAIL (N.T.S.)



ELECTRICAL SCHEMATIC
FIVE (5) INTERIOR LIGHTS

GENERAL NOTES

1. DIAMETER OF SUPPORT BELL AND DIMENSIONS OF FOUNDATION SHALL BE DETERMINED BY THE TANK CONTRACTOR BASED UPON THE SOIL BEARING SPECIFIED AND THE RECOMMENDATIONS IN THE SOIL REPORT.
2. WHEN LADDER HEIGHT REQUIRES, A LADDER SAFETY DEVICE MEETING OSHA STANDARDS SHALL BE PROVIDED.
3. OPENING IN RINGWALL SHALL PROVIDE CLEARANCE FOR FLANGED PIPE. OPENING SHALL BE A NOMINAL ONE INCH LARGER THAN FLANGE DIAMETER. DO NOT GROUT OR CAULK AROUND PIPE.
4. TANK CONTRACTOR SHALL PROVIDE SIGNED/SEALED ENGINEERING DRAWINGS FOR ELEVATED STORAGE TANK.

NOTES:

1. THE TANK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AWWA D100-96 THE TANK SHALL BE CONSTRUCTED OF STEEL AS INDICATED. CONSTRUCTION SHALL BE WELDED IN ACCORDANCE WITH ASME BOILER AND PRESSURE VESSEL CODE, SECTION IX AND N.D.E. AS REQUIRED.
2. THE TANK SHALL BE PAINTED IN ACCORDANCE WITH AWWA D102.
   1. SHOP COATINGS:
      A. EXTERIOR SURFACES SHALL BE SHOP COATED WITH ONE COAT OF TNEMEC SERIES 20-1255 POT-POXY EPOXY PRIMER (COLOR: BEIGE) AT A DRY FILM THICKNESS OF 2.5 TO 3.5 MILS.
      B. INTERIOR DRY SURFACES SHALL BE SHOP COATED WITH ONE COAT OF TNEMEC SERIES 20-1255 POT-POXY EPOXY PRIMER (COLOR: BEIGE) AT A DRY FILM THICKNESS OF 2.5 TO 3.5 MILS.
      C. INTERIOR WET SURFACES SHALL BE SHOP COATED WITH ONE COAT OF TNEMEC SERIES 20-1255 POT-POXY EPOXY PRIMER (COLOR: BEIGE) AT A DRY FILM THICKNESS OF 4.0 TO 5.0 MILS.
   2. EXTERIOR SURFACES:
      A. EXTERIOR SURFACES CLEANED TO AN SSPC-SP6 FINISH SHALL BE PATCH COATED WITH ONE COAT OF TNEMEC SERIES 20-1255 POTA-POX EPOXY PRIMER (COLOR: BEIGE) AT A DRY FILM THICKNESS OF 2.5 TO 3.5 MILS.
      B. EXTERIOR SURFACES PRIMED ABOVE AND SHOP PRIMED SURFACES SHALL RECEIVE ONE COAT OF TNEMEC SERIES 20-WH02 POTA-POX EPOXY PRIMER (COLOR: TANK WHITE) AT A DRY FILM THICKNESS OF 2.5 TO 3.5 MILS.
      C. EXTERIOR SURFACES PRIMED ABOVE SHALL RECEIVE ONE COAT OF TNEMEC SERIES 73 ENDURA SHIELD POLYURETHANE (COLOR: TANK WHITE) AT A DRY FILM THICKNESS OF 2.5 TO 3.5 MILS.
      D. TOTAL DRY FILM THICKNESS OF EXTERIOR COATED SURFACES SHALL BE 7.0 TO 9.5 MILS.
3. INTERIOR DRY SURFACES:
   A. INTERIOR DRY SURFACES CLEANED TO AN SSPC-SP6 FINISH SHALL BE PATCH COATED WITH ONE COAT OF TNEMEC SERIES 20-1255 POTA-POX EPOXY PRIMER (COLOR: BEIGE) AT A DRY FILM THICKNESS OF 2.5 TO 3.5 MILS.
   B. INTERIOR DRY SURFACES PRIMED ABOVE SHALL RECEIVE ONE COAT OF TNEMEC SERIES 20-WH02 POTA-POXY EPOXY (COLOR: TANK WHITE) AT A DRY FILM THICKNESS OF 4.0 TO 5.0 MILS.
   C. TOTAL DRY FILM THICKNESS OF INTERIOR DRY COATING SHALL BE 6.5 TO 8.5 MILS.
4. INTERIOR WET SURFACES:
   A. INTERIOR WET SURFACES CLEANED TO AN SSPC-SP6 FINISH SHALL BE PATCH COATED WITH ONE COAT OF TNEMEC SERIES 20-1255 POTA-POX EPOXY PRIMER (COLOR: BEIGE) AT A DRY FILM THICKNESS OF 4.0 TO 5.0 MILS. (BRUSH COAT WELD SEAMS)
   B. INTERIOR WET SURFACES PRIMED ABOVE SHALL RECEIVE ONE COAT OF TNEMEC SERIES 20-WH02 POTA-POXY EPOXY (COLOR: TANK WHITE) AT A DRY FILM THICKNESS OF 5.0 TO 6.0 MILS.
   C. TOTAL DRY FILM THICKNESS OF INTERIOR WET COATING SHALL BE 9.0 TO 11.0 MILS. (HOLIDAY TEST WET AREA)
3. THE TANK SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C652-92.
4. ALL PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH C651-92.
5. OPENING IN RINGWALL SHALL PROVIDE CLEARANCE FOR FLANGED PIPE. OPENING SHALL BE A NOMINAL ONE INCH LARGER THAN FLANGE DIAMETER. DO NOT GROUT OR CAULK AROUND PIPE.

DATE	REVISIONS	BY

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4104
4450 NE. 83rd Road o Wildwood, Florida 34785o (352) 748-3126

The Villages

CENTRAL SUMTER UTILITIES
ELEVATED STORAGE TANK

ELEVATED STORAGE TANK DETAILS

DATE 10-5-10
DRAWN BY MJF
CHKD BY WLC
FILE NAME CSU-ETI-DETAILS
JOB NO.

ENGINEER: WOODROW LEE CLYMER, JR., P.E. # 69780
DATE:

SHT. 5 OF 5

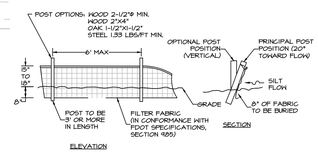
LEGEND

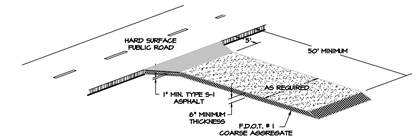
- PROJECT BOUNDARY
- RIGHT OF WAY
- SILT FENCE EROSION CONTROL
- EASEMENT

N

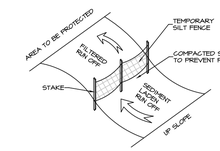
30 15 0 30 60 90

SCALE IN FEET
1" = 30'

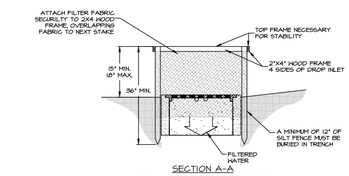




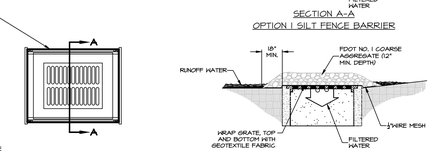
GRAVEL CONSTRUCTION ENTRANCE
N.T.S.



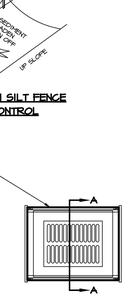
FLORIDA DOT TYPE III SILT FENCE AND EROSION CONTROL
N.T.S.



SECTION A-A
OPTION 1 SILT FENCE BARRIER



OPTION 2 GRAVEL AND WIRE MESH FILTER



NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%).
2. USE 2"X4" WOOD OR EQUIVALENT METAL STAKES (3 FT. MIN. LENGTH).
3. INSTALL 2"X4" WOOD FRAME TO INSURE STABILITY.

DROP INLET SEDIMENT FILTER DETAIL TYPE B

1. THE FOLLOWING LIST REPRESENTS A BASIC EROSION AND SEDIMENT CONTROL PROGRAM WHICH IS TO BE IMPLEMENTED TO HELP PREVENT OFF SITE SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT.

2. TEMPORARY EROSION CONTROL TO BE UTILIZED DURING CONSTRUCTION AT AREAS DESIGNATED BY THE ENGINEER OR AREAS ON SITE WHERE UNSTABILIZED GRADES MAY CAUSE EROSION PROBLEMS. EROSION CONTROL MAY BE REMOVED AFTER UPSLOPE AREA HAS BEEN STABILIZED BY SOD, OR COMPACTED AS DETERMINED BY THE OWNER.

3. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICAL TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHOULD BE THE PLACEMENT OF PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT OR THE INITIAL WORK AREA TO PROTECT THE PROJECT, ADJACENT PROPERTIES AND WATER RESOURCES.

4. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS CONTROL THROUGHOUT THE CONSTRUCTION PHASE. TEMPORARY MEASURES SHALL NOT BE CONSTRUCTED FOR EXPEDIENCY IN LIEU OF PERMANENT MEASURES.

5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.

6. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.

7. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.

8. MATERIAL FROM SEDIMENT TRAPS SHALL NOT BE STOCKPILED OR DISPOSED OF IN A MANNER WHICH MAKES THEM READILY SUSCEPTIBLE TO BEING WASHED INTO ANY WATERCOURSE BY RUNOFF OR HIGH WATER.

9. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

10. SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

11. SILT FENCE TO REMAIN IN PLACE UNTIL FINISH GRADING FOR THE LANDSCAPING IS UNDER WAY.

THE EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE, IN THE OPINION OF THE ENGINEER, THE MINIMUM THAT MAY BE REQUIRED. ACTUAL FIELD CONDITIONS MAY REQUIRE EITHER ADDITIONAL OR REDUCED EROSION CONTROL MEASURES TO BE IMPLEMENTED. THE CONTRACTOR IS DIRECTED TO FOLLOW STANDARD BEST MANAGEMENT PRACTICES IN IMPLEMENTING A SUCCESSFUL EROSION CONTROL PLAN.

WOODROW LEE CLYMER JR, P.E.
REGISTERED ENGINEER NO. 69780
STATE OF FLORIDA

JOHN R. GRANT
VICE PRESIDENT
THE VILLAGES OF LAKE-SUMTER, INC.

DATE	REVISIONS	BY
11-9-10	PER COUNTY REVIEW COMMENTS	MJF

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

The Villages

CENTRAL SUMTER UTILITIES
ELEVATED STORAGE TANK

EROSION CONTROL

DATE 10-5-10
DRAWN BY MJF
CHKD BY WLC
FILE NAME CSU-ET1-EROSION
JOB NO.

ENGINEER: WOODROW LEE CLYMER, JR., P.E. # 69780
DATE:

SHT. E1 OF E1