Stormwater Division

MEMORANDUM

DATE: March 5, 2010

TO: Michael J. Gillis, Virginia Correctional Enterprises Document Management Services

FROM: Jo Anna Ripley, Stormwater

PO: 270712

RE: Files Approved for Scanning

General File ID or BMP ID: 99114

PIN: 3741400001E

Subdivision, Tract, Business or Owner Name (if known): Villages at Powhatan aka Powhatan Village

Property Description: No BMP on site

Site Address:

(For internal use only) **Box** 5 **Drawer:** 3

Agreements: (in file as of scan date) **N** **Book or Doc#:** **Page:**

Comments

Contents for Stormwater Management Facilities As-built Files

Each File is to contain:

- ☐ 1. Maintenance Agreement
- ☐ 2. Construction certification
- ☐ 3. As-Built plan
- ☐ 4. Design Calculations
- ☐ 6. Correspondence
- ☐ 7. Inspection records
- ☐ 8. Miscellaneous

PRIVATE ROAD AND STORM DRAINAGE RECORD DRAWINGS

THE VILLAGES AT POWHATAN

PHASES 1 & 2

JAMES CITY COUNTY, VIRGINIA

FOR

CENTEX HOMES

AUG. 13, 2002

SP-32-01
AMEND SP-43-02
(NO ONSITE BMP)

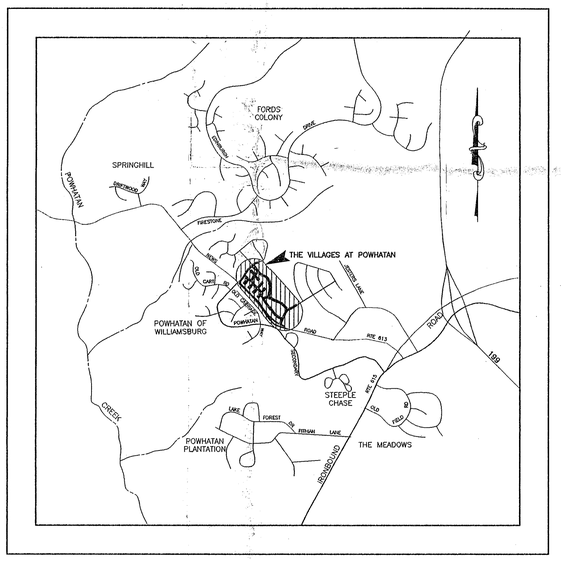
LEGEND

EXISTING		PROPOSED
SAN	SANITARY SEWER	8"SAN
W	WATER	8"WATER
S	STORM SEWER	15"RCP
E	ELECTRIC LINE	E
T	TELEPHONE	T
G	GAS LINE	G
TV	CABLE TV LINE	TV
FM	FORCE MAIN	FM
OH	OVERHEAD CABLE	OH
	MANHOLE	
	CURB DROP INLET	
	YARD DROP INLET	
	CLEANOUT	
	FLARED END SECTION	
	VALVE	
	WATER METER	
	FIRE HYDRANT	
	POWER POLE	
	LIGHT POLE	
	TELEPHONE PEDESTAL	
	TELEPHONE POLE	
25.1	GROUND ELEVATION	25.10 TC
	CEMENT CONCRETE	
	BITUMINOUS CONCRETE	
	CONCRETE CURB	
	CURB & GUTTER	
	CENTERLINE/BASELINE	
	PROPERTY LINE	
	DITCH SWALE LINE	
	DIRECTION OF FLOW	
	TREE LINE	
X	FENCE	X
	BENCH MARK	
	EASEMENT LINE	
	BLOW-OFF VALVE	
	DIVERSION DIKE	DD
	CONSTRUCTION ENTRANCE	CE
	SILT FENCE	SF
	INLET PROTECTION	IP

NOTE: SOME SYMBOLS SHOWN IN THIS LEGEND MAY NOT NECESSARILY BE USED FOR THIS PROJECT.

OWNER/DEVELOPER
CENTEX HOMES
231 RIVER WALK PARKWAY
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 312-9660

SITE ENGINEER
LANDMARK DESIGN GROUP
4029 IRONBOUND ROAD, SUITE 100
WILLIAMSBURG VA, 23188
PHONE: (757) 253-2975
FAX: (757) 229-0049



VICINITY MAP SCALE : 1"=2000'

SHEET INDEX

SHT. NO.	DESCRIPTION
R-1	COVER SHEET
R-2	RECORD DRAWING PLAN
R-3	RECORD DRAWING PLAN
R-4	RECORD DRAWING PLAN
R-5	RECORD DRAWING PLAN

RESPONSIBLE LAND DISTURBER: BRETT BARR
CENTEX HOMES
231 RIVER WALK PARKWAY
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 312-9660

COMMONWEALTH OF VIRGINIA
8-13-02
PETER FARRELL
NO. 002036
LAND SURVEYOR

NOTE: THESE RECORD DRAWINGS ARE BASED ON AN ACTUAL FIELD SURVEY PERFORMED JULY, 2002 BY LANDMARK DESIGN GROUP.

LANDMARK DESIGN GROUP
Engineers • Planners • Surveyors
Landscape Architects • Environmental Consultants

R-1
13494 W

PROPOSED STORM SEWER

(21) MOD. C.I.
STA 10+48
TC=~~56.83~~ 66.79
INV=~~56.31~~ 58.39
INV=~~55.48~~ 63.74 (15"HDPE)

(21A) TEMP ES-1
INV=63.80

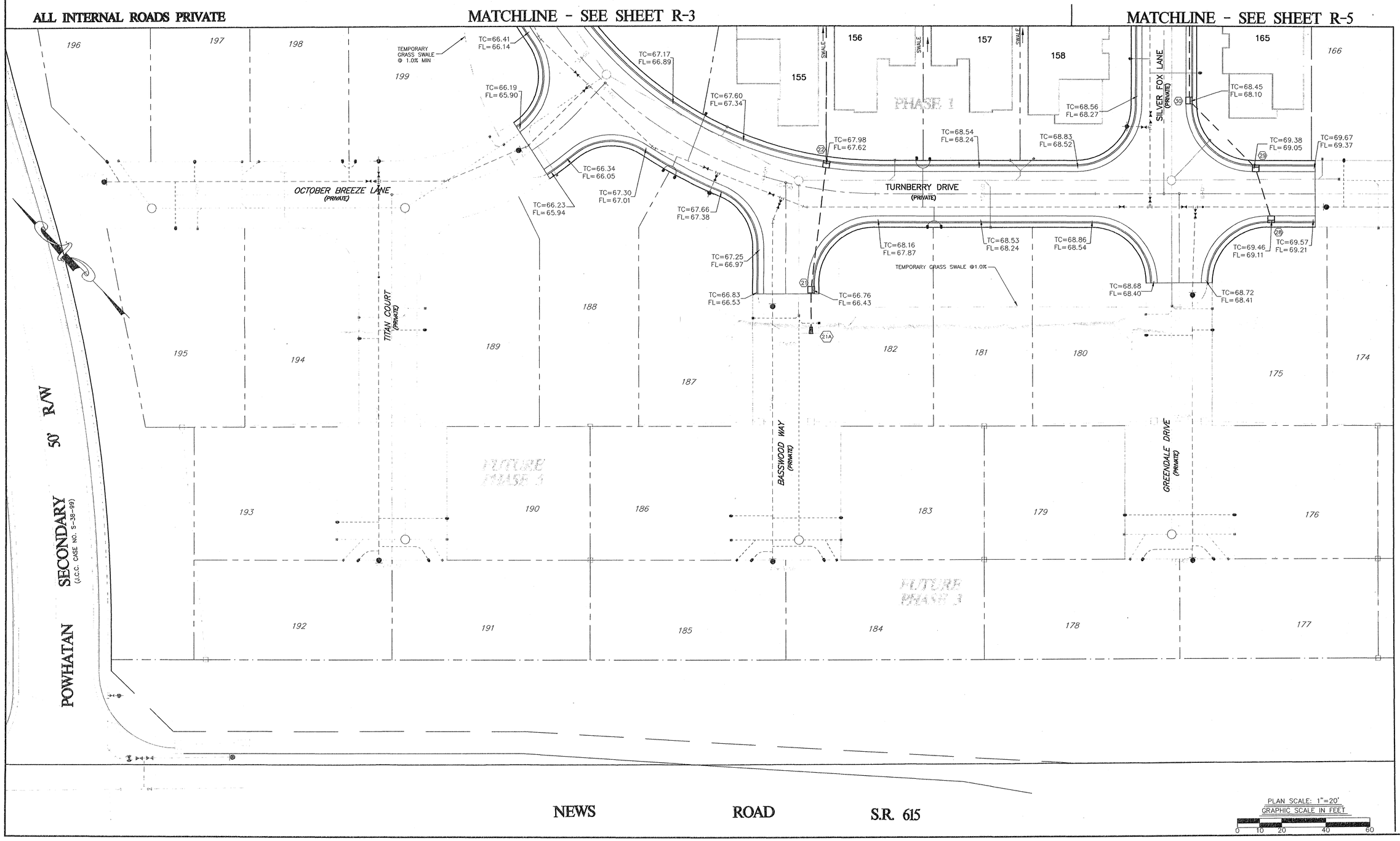
(22) MOD. C.I.
STA 14+26
TC=~~58.01~~ 67.98
INV=~~56.18~~ 58.25

(28) MOD. C.I.
STA 16+30
TC=~~59.45~~ 69.46
INV=~~56.45~~ 66.43

(29) MOD. C.I.
STA 16+23
TC=~~59.41~~ 69.38
INV=~~56.30~~ 66.26

(30) MOD. C.I.
STA 10+42
TC=~~59.65~~ 68.45
INV=~~55.85~~ 65.49

FROM	TO		
21A	21	19 ~~20~~ LF-15" HDPE @ ~~1.60%~~ 0.32% (TEMP)
21	22	55 ~~32~~ LF-30" CLASS III RCP @ ~~0.23%~~ 0.25%
22	36	91 ~~92~~ LF-30" CLASS III RCP @ ~~0.23%~~ 0.09%
28	29	24 LF-12" CLASS III RCP @ ~~0.62%~~ 0.71%
29	30	44 LF-12" CLASS III RCP @ ~~1.90%~~ 1.75%
30	31	62 ~~54~~ LF-12" CLASS III RCP @ ~~0.79%~~ 0.73%



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8-13-02
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Landscape Architects • Environmental Consultants

REVISIONS: No.	Date	Comment	By

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- 2nd Submittal
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- Approved

RECORD DRAWINGS
THE VILLAGES AT POWHATAN PHASES 1 & 2
JAMES CITY COUNTY VIRGINIA

Designed: SAR	Date: 08/13/02
Checked: SAR/PF	Scale: 1"=20'
File Mgr./Drawn: ADR/PF	CADD File name: REC-PLAN-SHEETS.DWG
Project Number: 780041-151.23	Dwg. File No.: 13493 W
Drawing Number: R-2	2 OF 5

PROPOSED STORM SEWER

(35) MOD. D.I.
TOP=~~85.95~~ 65.97
INV=~~53.25~~ 63.27

(36) MOD. D.I.
TOP=~~86.92~~ 65.93
INV=~~82.05~~ 62.42 (15")
INV=~~57.95~~ 58.17 (30")

(37) MOD. D.I.
TOP=~~63.95~~ 65.29
INV=~~57.82~~ 57.92

(39) MOD. C.I.
STA 12+41
TC=~~66.03~~ 66.01
INV=~~64.62~~ 61.45

(40) MOD. C.I.
STA 12+25
TC=~~66.25~~ 65.82
INV=~~61.30~~ 61.23

(41) MOD. D.I.
TOP=~~64.95~~ 64.55
INV=~~60.30~~ 60.39 (12")
INV=~~57.75~~ 57.79 (30")

(42) MOD. C.I.
STA 11+11
TC=~~66.75~~ 63.80
INV=~~57.50~~ 57.53

(45) MOD. C.I.
STA 11+11
TC=~~63.75~~ 63.80
INV=~~57.40~~ 57.33

(46) MOD. D.I.
TOP=~~65.95~~ 63.99
INV=~~57.62~~ 57.12

(47) MOD. C.I
STA 13+58
TC=~~65.93~~ 65.99
INV=~~62.75~~ 62.89

(48) MOD. C.I.
STA 13+70
TC=~~66.25~~ 66.29
INV=~~60.95~~ 62.72 (12")
INV=~~56.75~~ 56.73 (30")
INV=~~56.25~~ 56.27 (36")

(70) STD. MH-1
RIM=~~62.50~~ 61.89
INV=~~56.35~~ 56.31

(70A) ES-1
INV=~~56.45~~ 56.62

(71) MOD. C.I.
STA 11+78
TC=~~61.65~~ 61.57
INV IN=~~56.25~~ 56.15
INV OUT=~~53.45~~ 53.53

(72) MOD. C.I.
STA 11+78
TC=~~61.65~~ 61.62
INV=~~53.25~~ 53.19 (24" IN)
INV=~~53.25~~ 53.16 (24" OUT)

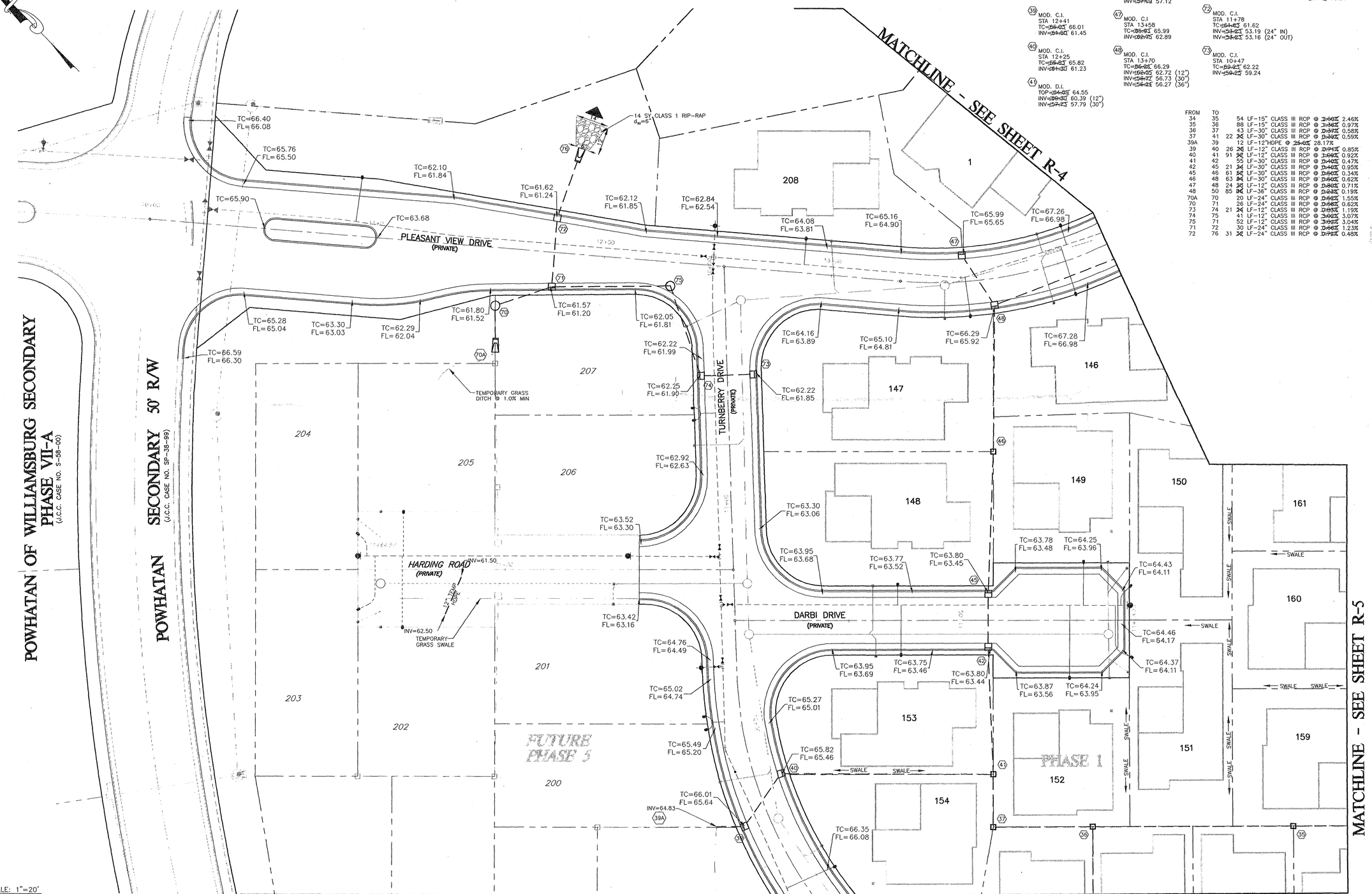
(73) MOD. C.I.
STA 10+47
TC=~~52.25~~ 62.22
INV=~~50.25~~ 59.24

(74) MOD. C.I.
STA 10+47
TC=~~62.25~~ 62.25
INV=~~50.65~~ 58.99

(75) STD. MH-1
STA 12+30; 10.34'RT
RIM=~~62.15~~ 62.10
INV=~~57.81~~ 57.73

(76) STD. ES-1
INV=~~53.60~~ 53.04

FROM	TO		
34	35	54	LF-15" CLASS III RCP @ ~~2.60%~~ 2.46%
35	36	88	LF-15" CLASS III RCP @ ~~1.40%~~ 0.97%
36	37	43	LF-30" CLASS III RCP @ ~~0.37%~~ 0.58%
37	41	22	LF-30" CLASS III RCP @ ~~0.52%~~ 0.59%
39A	39	12	LF-12"HDPE @ ~~25.42%~~ 28.17%
39	40	26	LF-12" CLASS III RCP @ ~~0.71%~~ 0.85%
40	41	91	LF-12" CLASS III RCP @ ~~1.08%~~ 0.92%
41	42	55	LF-30" CLASS III RCP @ ~~0.40%~~ 0.47%
42	45	21	LF-30" CLASS III RCP @ ~~0.40%~~ 0.95%
45	46	61	LF-30" CLASS III RCP @ ~~0.60%~~ 0.34%
46	48	63	LF-30" CLASS III RCP @ ~~0.60%~~ 0.62%
47	48	24	LF-12" CLASS III RCP @ ~~0.80%~~ 0.71%
48	50	85	LF-36" CLASS III RCP @ ~~0.25%~~ 0.19%
70A	70	20	LF-24" CLASS III RCP @ ~~0.62%~~ 1.55%
70	71	26	LF-24" CLASS III RCP @ ~~0.68%~~ 0.62%
73	74	21	LF-12" CLASS III RCP @ ~~0.95%~~ 1.19%
74	75	41	LF-12" CLASS III RCP @ ~~3.02%~~ 3.07%
75	71	52	LF-12" CLASS III RCP @ ~~3.02%~~ 3.04%
71	72	30	LF-24" CLASS III RCP @ ~~0.66%~~ 1.23%
72	76	31	LF-24" CLASS III RCP @ ~~0.72%~~ 0.48%



COMMONWEALTH OF VIRGINIA
8-13-02
PETER FARRELL
NO. 002036
LAND SURVEYOR

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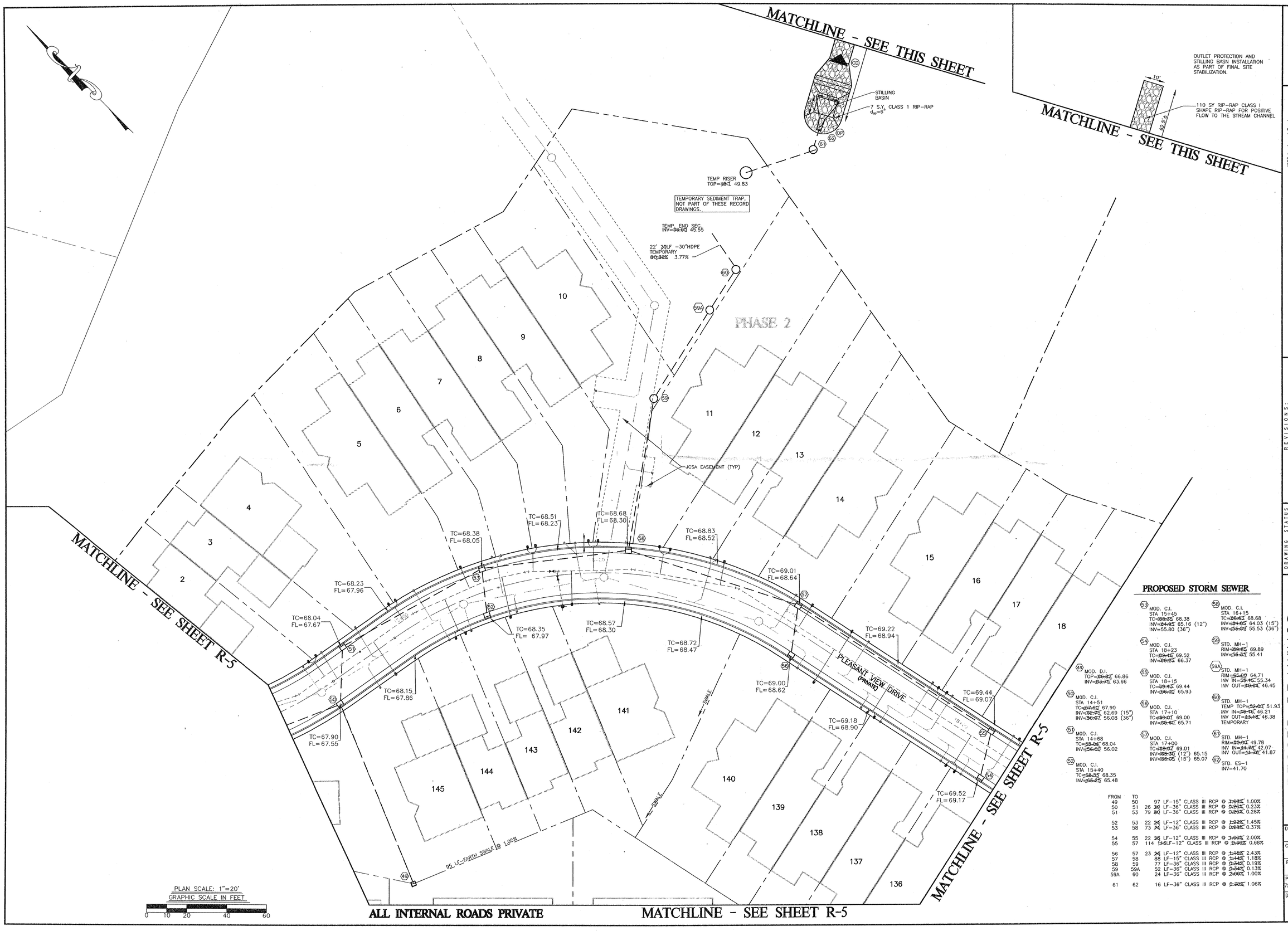
RECORD DRAWINGS
THE VILLAGES AT POWHATAN PHASES 1 & 2
JAMES CITY COUNTY VIRGINIA

Designed: SAR	Date: 08/13/02
Checked: SAR/PF	Scale: 1"=20'
File Mgr./Drawn: ADR/PF	CADD File name: REC-PLAN-SHEETS.DWG
Project Number: 780041-151.23	Dwg. File No.: 13492 W

Drawing Number R-3

3 OF 5



PROPOSED STORM SEWER

(49) MOD. D.I.
TOP=~~[illegible]~~ 66.86
INV=~~[illegible]~~ 63.66

(50) MOD. C.I.
STA 14+51
TC=~~[illegible]~~ 67.90
INV=~~[illegible]~~ 62.69 (15")
INV=~~[illegible]~~ 56.08 (36")

(51) MOD. C.I.
STA 14+68
TC=~~[illegible]~~ 68.04
INV=~~[illegible]~~ 56.02

(52) MOD. C.I.
STA 15+40
TC=~~[illegible]~~ 68.35
INV=~~[illegible]~~ 65.48

(53) MOD. C.I.
STA 15+45
TC=~~[illegible]~~ 68.38
INV=~~[illegible]~~ 65.16 (12")
INV=55.80 (36")

(54) MOD. C.I.
STA 16+23
TC=~~[illegible]~~ 69.52
INV=~~[illegible]~~ 66.37

(55) MOD. C.I.
STA 16+15
TC=~~[illegible]~~ 69.44
INV=~~[illegible]~~ 65.93

(56) MOD. C.I.
STA 17+10
TC=~~[illegible]~~ 69.00
INV=~~[illegible]~~ 65.71

(57) MOD. C.I.
STA 17+00
TC=~~[illegible]~~ 69.01
INV=~~[illegible]~~ (12") 65.15
INV=~~[illegible]~~ (15") 65.07

(58) MOD. C.I.
STA 16+15
TC=~~[illegible]~~ 68.68
INV=~~[illegible]~~ 64.03 (15")
INV=~~[illegible]~~ 55.53 (36")

(59) STD. MH-1
RIM=~~[illegible]~~ 69.89
INV=~~[illegible]~~ 55.41

(59A) STD. MH-1
RIM=~~[illegible]~~ 64.71
INV IN=~~[illegible]~~ 55.34
INV OUT=~~[illegible]~~ 46.45

(60) STD. MH-1
TEMP TOP=~~[illegible]~~ 51.93
INV IN=~~[illegible]~~ 46.21
INV OUT=~~[illegible]~~ 46.38
TEMPORARY

(61) STD. MH-1
RIM=~~[illegible]~~ 49.78
INV IN=~~[illegible]~~ 42.07
INV OUT=~~[illegible]~~ 41.87

(62) STD. ES-1
INV=41.70

FROM	TO	
49	50	97 LF-15" CLASS III RCP @ ~~[illegible]~~ 1.00%
50	51	26 ~~[illegible]~~ LF-36" CLASS III RCP @ ~~[illegible]~~ 0.23%
51	53	79 ~~[illegible]~~ LF-36" CLASS III RCP @ ~~[illegible]~~ 0.28%
52	53	22 ~~[illegible]~~ LF-12" CLASS III RCP @ ~~[illegible]~~ 1.45%
53	58	73 ~~[illegible]~~ LF-36" CLASS III RCP @ ~~[illegible]~~ 0.37%
54	55	22 ~~[illegible]~~ LF-12" CLASS III RCP @ ~~[illegible]~~ 2.00%
55	57	114 ~~[illegible]~~ LF-12" CLASS III RCP @ ~~[illegible]~~ 0.68%
56	57	23 ~~[illegible]~~ LF-12" CLASS III RCP @ ~~[illegible]~~ 2.43%
57	58	88 LF-15" CLASS III RCP @ ~~[illegible]~~ 1.18%
58	59	77 LF-36" CLASS III RCP @ ~~[illegible]~~ 0.19%
59	59A	52 LF-36" CLASS III RCP @ ~~[illegible]~~ 0.13%
59A	60	24 LF-36" CLASS III RCP @ ~~[illegible]~~ 1.00%
61	62	16 LF-36" CLASS III RCP @ ~~[illegible]~~ 1.06%

COMMONWEALTH OF VIRGINIA
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THE VILLAGES AT POWHATAN PHASES 1 & 2
JAMES CITY COUNTY VIRGINIA

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File Mgr./Drawn: ADR/PF	CADD File name: REC-PLAN-SHEETS.DWG
Project Number: 780041-151.23	Dwg. File No.: 13493 W
Drawing Number: R-4	

PROPOSED STORM SEWER

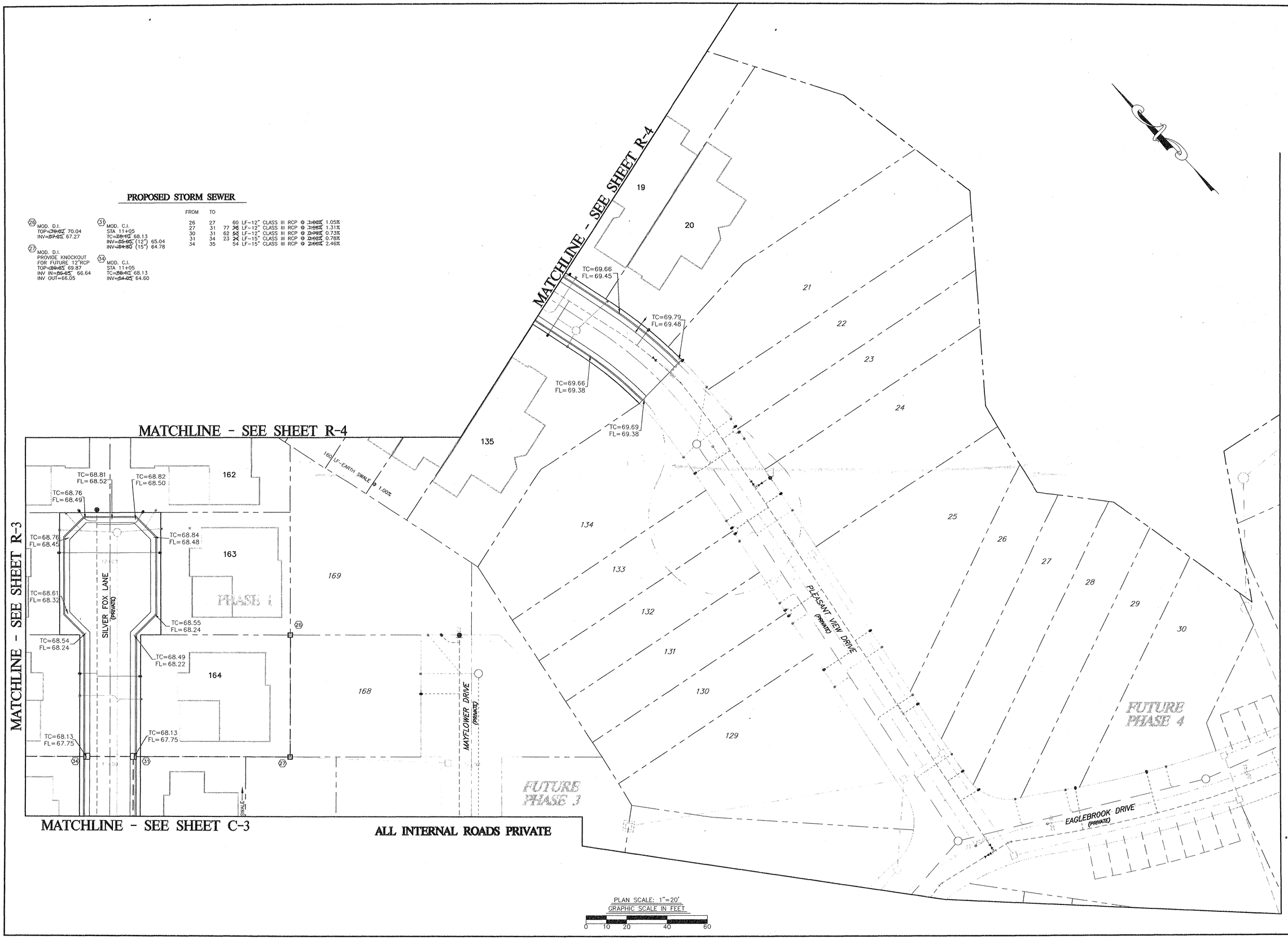
(26) MOD. D.I.
TOP=~~70.02~~ 70.04
INV=~~67.25~~ 67.27

(27) MOD. D.I.
PROVIDE KNOCKOUT
FOR FUTURE 12"RCP
TOP=~~69.65~~ 69.87
INV IN=~~66.65~~ 66.64
INV OUT=66.05

(31) MOD. C.I.
STA 11+05
TC=~~69.10~~ 68.13
INV=~~65.65~~ (12") 65.04
INV=~~64.80~~ (15") 64.78

(34) MOD. C.I.
STA 11+05
TC=~~68.10~~ 68.13
INV=~~64.65~~ 64.60

FROM	TO		
26	27	60	LF-12" CLASS III RCP @ ~~1.60%~~ 1.05%
27	31	77 ~~78~~	LF-12" CLASS III RCP @ ~~1.26%~~ 1.31%
30	31	62 ~~63~~	LF-12" CLASS III RCP @ ~~0.79%~~ 0.73%
31	34	23 ~~24~~	LF-15" CLASS III RCP @ ~~0.62%~~ 0.78%
34	35	54	LF-15" CLASS III RCP @ ~~2.60%~~ 2.46%



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Project Number: 780041-151.23	Dwg. File No.: 13490 W
Drawing Number R-5	

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