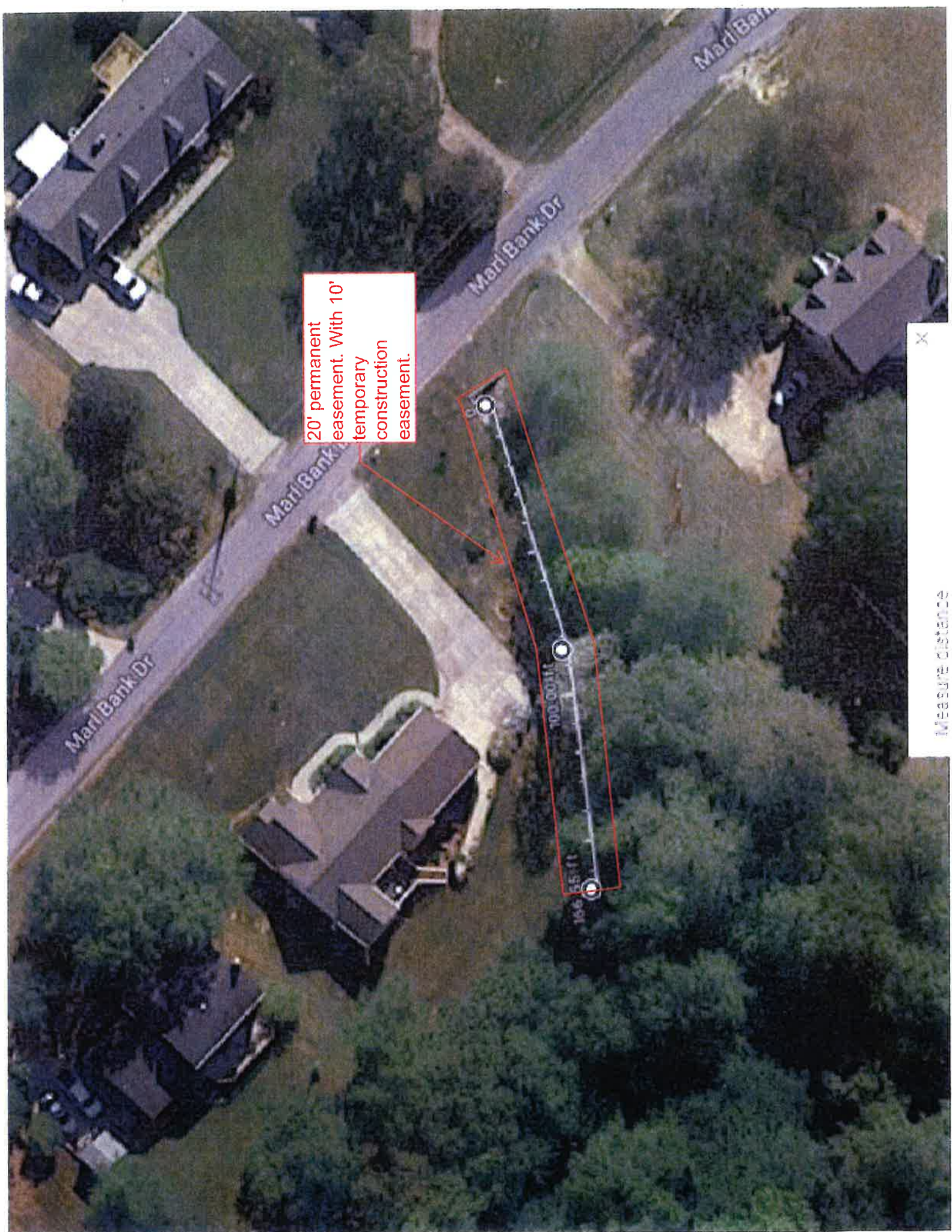


**Beechwood Subdivision
Marl Bank Road
Drainage Easement Requirements for Storm Sewer Project**

VDOT will be working with Prince George County to construct a storm sewer within an existing outfall ditch between Lots 7 and 8 of Beechwood Manor Section 7.

As recorded on the subdivision plat for Beechwood Manor Section 7, PB 16, PG 38, there is an existing 15' drainage easement centered on the lot line between Lots 8, GPIN 05A(07)02-008-0 and Lot 7, GPIN 05A(01)02-007-0. A drainage easement a total of 20' in width will be required. It will also be necessary to obtain a 10' temporary construction easement on Lot 7 and Lot 8 that is contiguous to the 20' permanent drainage easement.

A copy of the subdivision plat and an exhibit showing the needed easements is attached to this description.



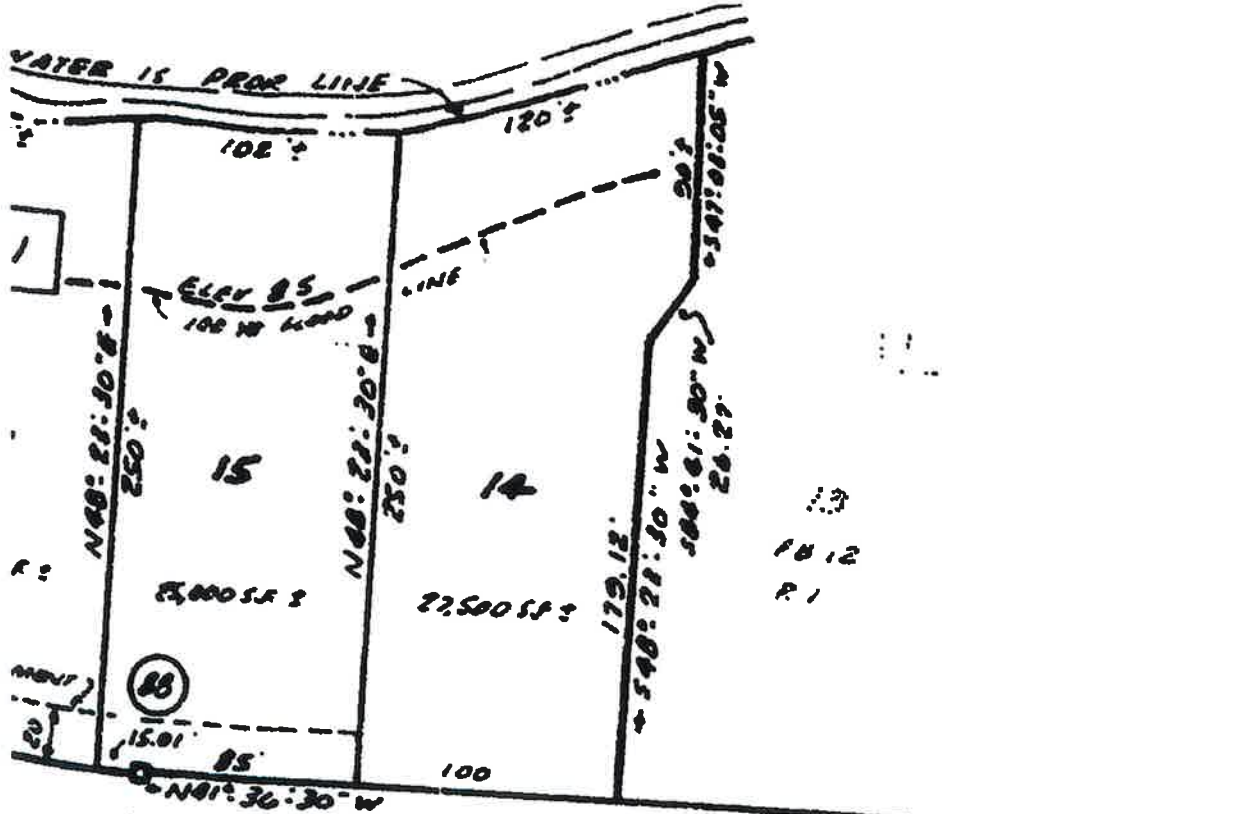
20' permanent easement. With 10' temporary construction easement.

100.00311

166.55' ft

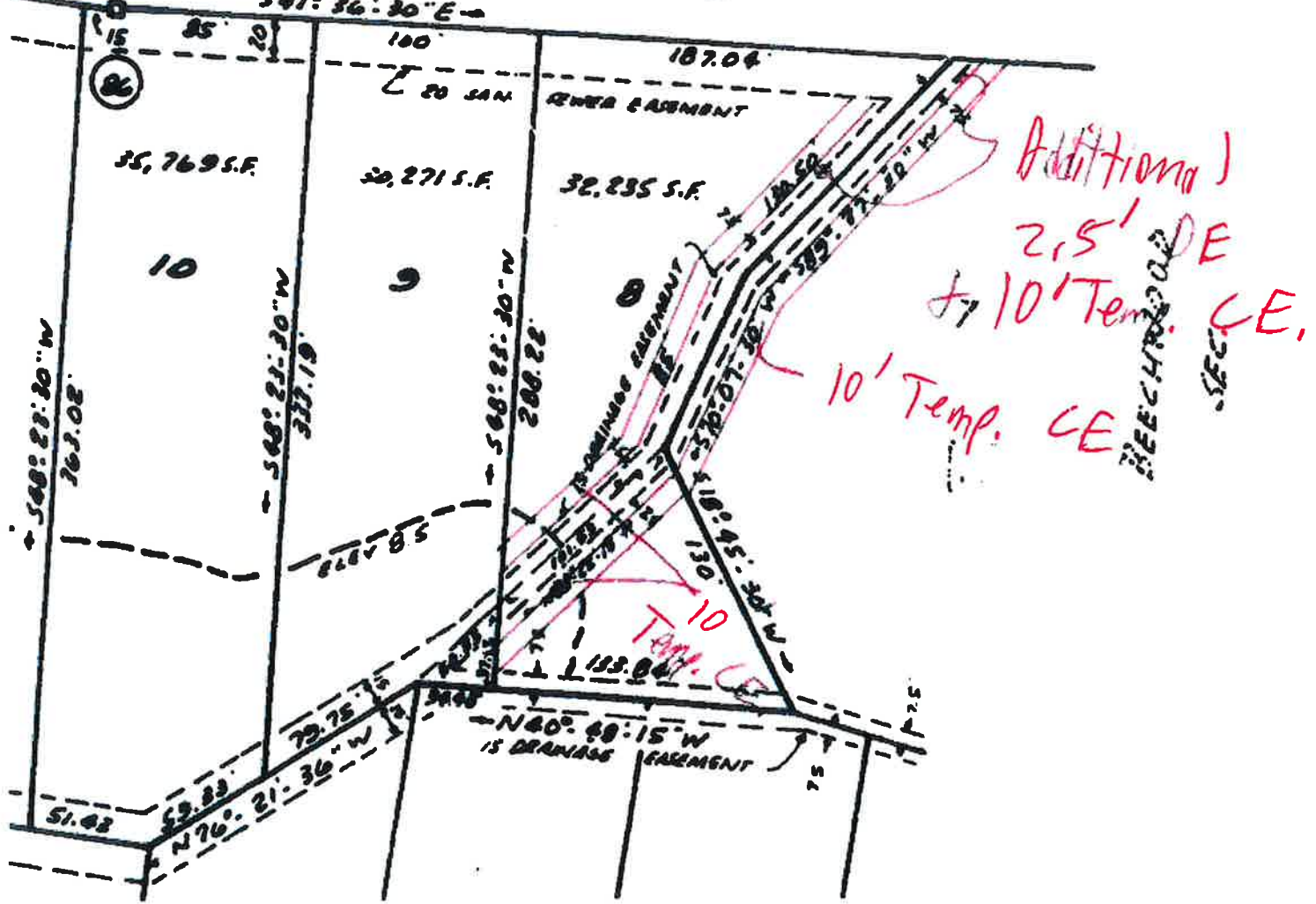
X

47
11
10
09
08
07
06
05
04
03
02
01



MIXON
I

RIVERSIDE DRIVE



Appendix B

Project Number: (UPC ????????)

Locality: Prince George County

Project Scope	
Work Description:	Outfall ditch repair
From:	Pipe outlet at 1112 Marlbank Dr.
To:	Outfall approximately 180' downstream
Locality Project Manager Contact Info: Julie Walton – jwalton@princegeorgecountyva.gov Department Project Coordinator Contact Info: Crystal Smith – crystal.smith@vdot.virginia.gov	

Detailed Scope of Services
<ul style="list-style-type: none">- VDOT will perform wetland delineation on the property located behind 1112 Marlbank Dr.- VDOT will provide a cost estimate to the County for the installation of a drainage pipe in the existing drainage outfall ditch at 1112 Marlbank Dr.- VDOT will provide Prince George County with the environmental package to submit to Army Corps of Engineers- All as more precisely described in Appendix B, entitled "Attachment A"

This attachment is certified and made an official attachment to this document by the parties of this agreement

Authorized Locality Official and date

Typed or printed name of person signing

Residency Administrator/PE Manager/District Construction Engineer
Recommendation and date

Typed or printed name of person signing

OPINION OF PROBABLE COST - Marl Bank Road Storm Sewer Extension Prince George County

Prepared By:
Date:

Category	Item Description	Quantities	Units	Unit Cost	Totals
<u>Labor</u>	4-man crew with Backhoe and Skidsteer	8	Day	\$ 2,240.00	\$ 17,920.00
<u>Excavation</u>	Imported Structural Fill	100	C.Y.	\$ 30.00	\$ 3,000.00
	Imported Topsoil	70	C.Y.	\$ 50.00	\$ 3,500.00
<u>Erosion and Sedimentation Control</u>	Silt Fence	300	L.F.	\$ 4.00	\$ 1,200.00
	Rock Check Dams	2	Ea.	\$ 40.00	\$ 80.00
	Permanent Seeding	300	S.Y.	\$ 3.00	\$ 900.00
<u>Storm Sewer</u>	Demolition of Ex. Headwall and Disposal	1	L.S.	\$ 2,000.00	\$ 2,000.00
	30" HDPE Storm Sewer Installed	135	L.F.	\$ 60.00	\$ 8,100.00
	Storm Sewer Structures	1	Ea.	\$ 4,000.00	\$ 4,000.00
	Level Spreader	1	L.S.	\$ 1,500.00	\$ 1,500.00
<u>General</u>	Permitting (Assuming wetland permit Req.)	1	L.S.	\$ 8,000.00	\$ 8,000.00
	WOUS Mitigation (Assuming permit and mit.)	0	L.F.	350	\$ -
	Construction Stakeout	1	L.S.	1500	\$ 1,500.00
				SUBTOTAL	\$ 33,780.00
				15% CONTINGENCY	\$ 5,067.00
				TOTAL	\$ 38,847.00

OPINION OF PROBABLE COST - Marl Bank Road Storm Sewer Extension Prince George County

Prepared By:
Date:

Category	Item Description	Quantities	Units	Unit Cost	Totals
<u>Labor</u>	4-man crew with Backhoe and Skidsteer	8	Day	\$ 2,240.00	\$ 17,920.00
<u>Excavation</u>	Imported Structural Fill	100	C.Y.	\$ 30.00	\$ 3,000.00
	Imported Topsoil	70	C.Y.	\$ 50.00	\$ 3,500.00
<u>Erosion and Sedimentation Control</u>	Silt Fence	300	L.F.	\$ 4.00	\$ 1,200.00
	Rock Check Dams	2	Ea.	\$ 40.00	\$ 80.00
	Permanent Seeding	300	S.Y.	\$ 3.00	\$ 900.00
<u>Storm Sewer</u>	Demolition of Ex. Headwall and Disposal	1	L.S.	\$ 2,000.00	\$ 2,000.00
	30" HDPE Storm Sewer Installed	135	L.F.	\$ 60.00	\$ 8,100.00
	Storm Sewer Structures	1	Ea.	\$ 4,000.00	\$ 4,000.00
	Level Spreader	1	L.S.	\$ 1,500.00	\$ 1,500.00
<u>General</u>	Permitting (Assuming wetland permit Req.)	1	L.S.	\$ 8,000.00	\$ 8,000.00
	WOUS Mitigation (Assuming permit and mit.)	125	L.F.	\$ 350	\$ 43,750.00
	Construction Stakeout	1	L.S.	\$ 1,500	\$ 1,500.00
				SUBTOTAL	\$ 77,530.00
				15% CONTINGENCY	\$ 11,629.50
				TOTAL	\$ 89,159.50