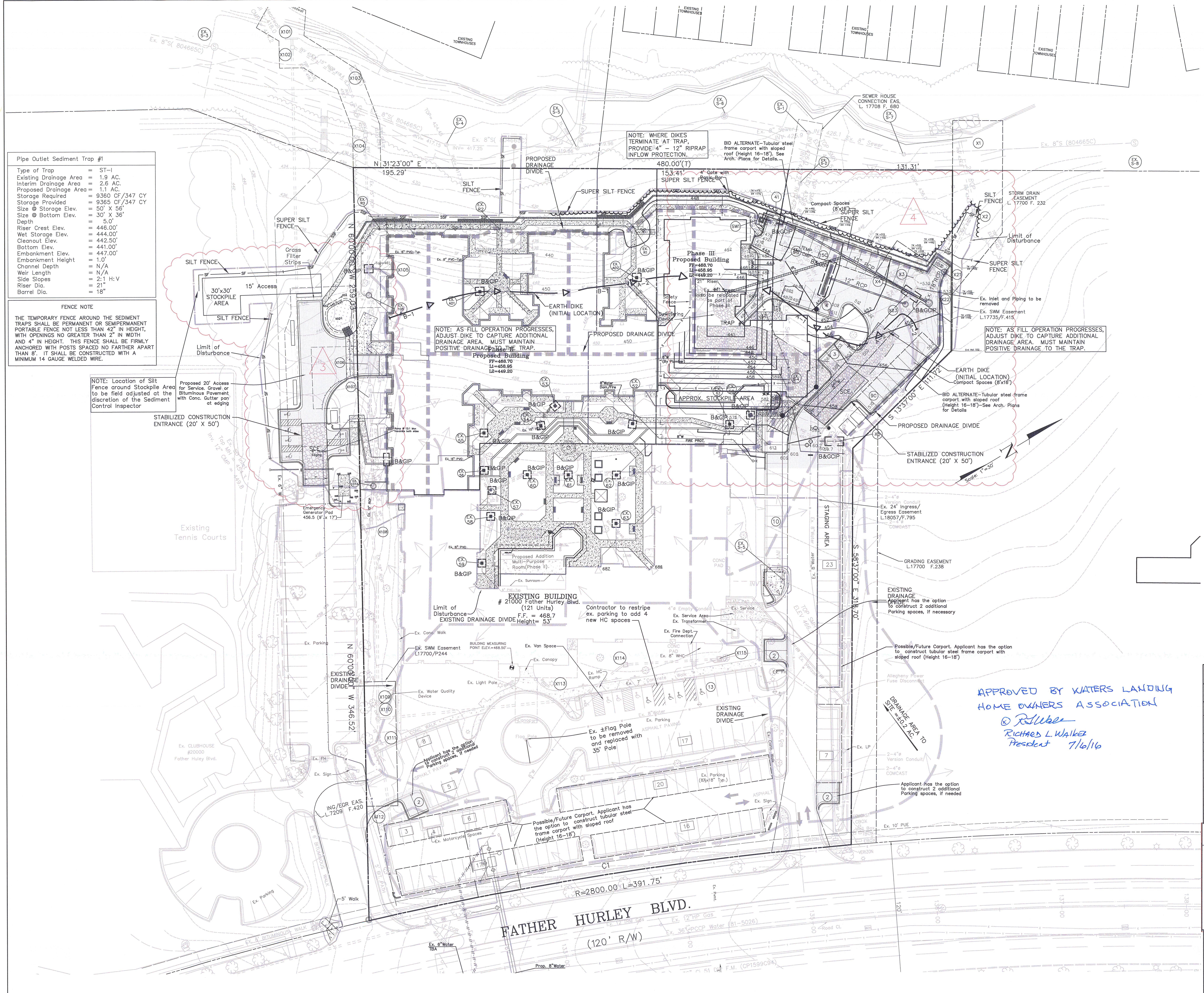


APPROVED BY WATERS LANDING HOME OWNERS ASSOCIATION
Ⓧ [signature]
RICHARD L WALKER
President 7/6/16

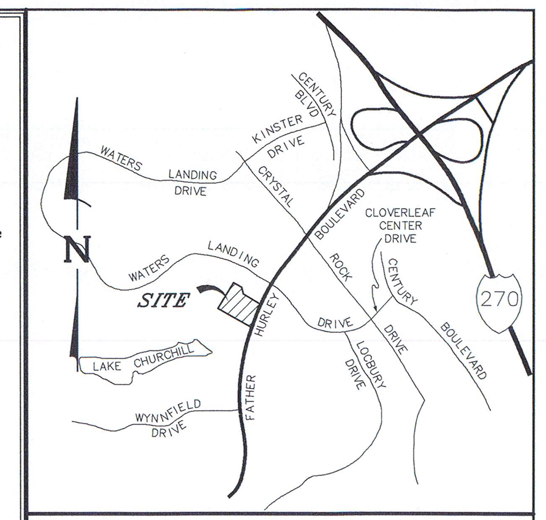
Pipe Outlet Sediment Trap #1	
Type of Trap	= ST–I
Existing Drainage Area	= 1.9 AC.
Interim Drainage Area	= 2.6 AC.
Proposed Drainage Area	= 1.1 AC.
Storage Required	= 9360 CF/347 CY
Storage Provided	= 9365 CF/347 CY
Size @ Storage Elev.	= 50' X 56'
Size @ Bottom Elev.	= 30' X 36'
Depth	= 5.0'
Riser Crest Elev.	= 446.00'
Wet Storage Elev.	= 444.00'
Cleanout Elev.	= 442.50'
Bottom Elev.	= 441.00'
Embankment Elev.	= 447.00'
Embankment Height	= 1.0'
Channel Depth	= N/A
Weir Length	= N/A
Side Slopes	= 2:1 H:V
Riser Dia.	= 21"
Barrel Dia.	= 18"

FENCE NOTE

THE TEMPORARY FENCE AROUND THE SEDIMENT TRAPS SHALL BE PERMANENT OR SEMIPERMANENT PORTABLE FENCE NOT LESS THAN 42" IN HEIGHT, WITH OPENINGS NO GREATER THAN 2" IN WIDTH AND 4" IN HEIGHT. THIS FENCE SHALL BE FIRMLY ANCHORED WITH POSTS SPACED NO FARTHER APART THAN 8'. IT SHALL BE CONSTRUCTED WITH A MINIMUM 14 GAUGE WELDED WIRE.

SESC LEGEND

- 450 Existing Contour
- 450 Proposed Contour
- Limits of Disturbance
- Existing Drainage Divide
- Proposed Drainage Divide
- SCE Stabilized Construction Entrance
- B&GIP Block & Gravel Inlet Protection
- B&GCIP Block & Gravel Inlet Protection
- SF — SF Silt Fence
- SSF — SSF Super Silt Fence
- x — x Safety Fence
- A–2 Earth Dike



VICINITY MAP
SCALE 1" = 2,000'

OWNER'S/DEVELOPER'S CERTIFICATION

I/We hereby certify that all clearing, grading, construction and/or development will be done pursuant to this plan and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project.

~~[signature]~~ [signature] 04-25-13 ~~12/16/09~~
Signature Date
JOSEPH F PARRECO PRESIDENT
Printed Name and Title

MAINTENANCE CERTIFICATION ON PRIVATE LANDS

I/We hereby certify that I/we assume maintenance responsibilities for all stormwater management structures shown hereon. If maintenance responsibility is legally transferred, I/we agree to supply the Montgomery County Department of Environmental Protection with a copy of the document (signed by both parties) transferring said maintenance responsibility at that time.

~~[signature]~~ [signature] 04-25-13 ~~12/16/09~~
Owner/Developer Signature Date
JOSEPH F PARRECO PRESIDENT
Printed Name and Title

DESIGN CERTIFICATION

I hereby certify that this plan has been prepared in accordance with the "1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control", Montgomery County Department of Permitting Services Executive Regulations 5–90, 36–90 and 7–02 am, Montgomery County Department of Public Works and Transportation "Storm Drain Design Criteria" dated August 1988.

Design Engineer Signature — Date
Stephen E. Crum — 16905
Printed Name — Registration Number

CERTIFICATION OF THE QUANTITIES

I hereby certify that the estimated total amount of excavation and fill as shown on these plans has been computed to be 14550 cubic yards of excavation, 13820 cubic yards of fill and the total area to be disturbed, as shown on these plans, has been determined to be 133,000 square feet.

Signature — Date
Stephen E. Crum, P.E. — 16905
Printed Name and Title — Registration Number

Note: The earthwork cut and fill quantities and the area of disturbance indicated in this certificate are calculated for the purpose of plan approval and should not be used for contractual obligations.

Professional Certification:

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No 16905, Expiration Date: 4-21-18

Stephen E. Crum

RELATED REQUIRED PERMITS

NOTE: IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE APPROVED SEDIMENT CONTROL PERMIT.

TYPE OF PERMIT	REQ'D.	NOT REQ'D.	PERMIT NO.	EXPIRATION DATE	WORK RESTRICTION DATES
MCDPS FLOODPLAIN DISTRICT		✓			
WATERWAYS/WETLAND(S):					
a. Corps of Engineers		✓			
b. M.D.E		✓			
c. M.D.E. Water Quality Certification		✓			
M.D.E Dam Safety		✓			
N.P.D.E.S. NOTICE OF INTENT	✓		09M00057 09M00058	12–24–13	DATE FILED 12–19–08
OTHERS (Please List):					

MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT

Stormwater Management:	Sediment Control Technical Requirements:	Administrative Requirements:
Filterra; [initials] 11/4/10 Reviewed Date; [signature] 11/4/10 Approved Date; 232575 S.M. FILE NO.	[initials] 11/4/10 Reviewed Date; [signature] 11/4/10 Approved Date	[initials] 11/4/10 Reviewed Date; 237170 SEDIMENT CONTROL PERMIT NO.; [initials] 4/29/13 re-approved

MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED

SOIL EROSION, SEDIMENT CONTROL AND SWM PLAN

Churchill Town Sector–Section 11; Parcels AA & BB Block 20

CHURCHILL SENIOR LIVING

Plat Book 196/ Plat 21276 SE–1

2ND ELECTION DISTRICT – MONTGOMERY COUNTY – MARYLAND

MHG Macris, Hendricks & Glascock, P.A.
Engineers ▪ Planners
Landscape Architects ▪ Surveyors
9220 Wightman Road, Suite 120
Montgomery Village, Maryland
20886-1279
Phone 301.670.0840
Fax 301.948.0693
www.mhgpa.com

Proj. Mgr.	Designer
BJD	LHO
Date	Scale
8–12–10	1"=30'
Project No.	Sheet
94.352.43	1 of 7

NO.	DATE	DESCRIPTION	BY
4	6–13–16	Added Interim Condition in Phase III work area. See Details on Sheets 3, 5, & 7	
3	6–13–16	Reconfigured Parking and loading area. Replaced Drywell with Raingarden.	
2	01–26–13	Construction Set	
1	09–12–12	CONSTRUCTION SET	

OWNER / APPLICANT:
OAKWOOD PROPERTIES, INC. ET. AL.
P.O. BOX 5600
ROCKVILLE, MD 20855
PHONE: 301–519–3502
CONTACT: MR. JOSEPH PARRECO

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

THIS PLAN IS FOR SOIL EROSION SEDIMENT CONTROL & SWM ONLY

NOTE: THIS PROJECT HAS AN EXEMPTION FROM THE FOREST CONSERVATION LAWS.

NOTE: PRIOR TO VEGETATIVE STABILIZATION ALL DISTURBED AREAS MUST BE TOPSOILED PER THE MONTGOMERY COUNTY "STANDARDS AND SPECIFICATIONS FOR TOPSOIL".

Call "Miss Utility" at 1–800–257–7777, 48 hours prior to the start of work.
The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.