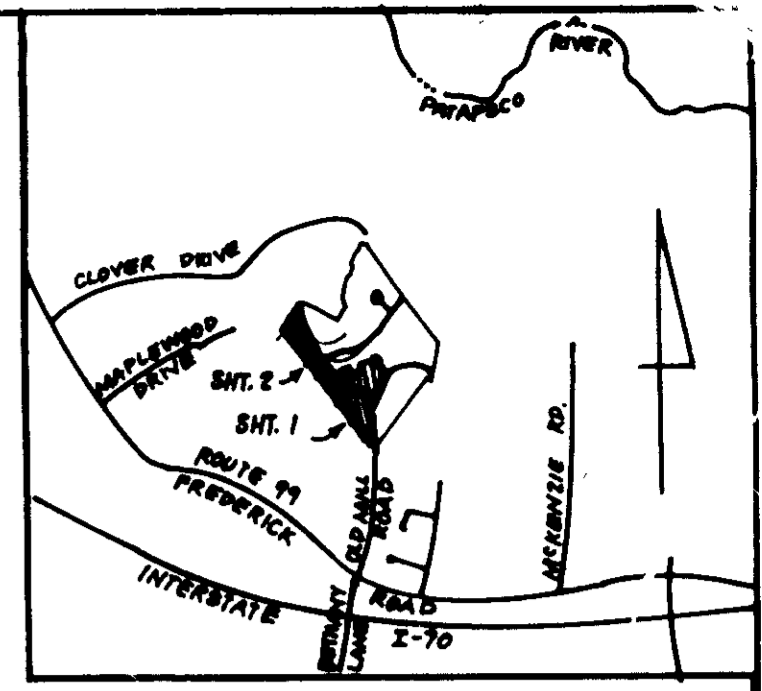


NO	REVISION	Date
1	Rev hse & grd Lot 62 from Chamberlain to Amberly	12-15-88
2	Rev hse & grd Lot 90	3-9-90
3	Rev hse & grd lot 85 from Chamberlain to Bridgeton (rev) & lot 89 from Chamberlain to Dorsey & lot 91 from Amberly to Bridgeton	7-13-90

**LEGEND:**

1. Contour Interval: 2' F
2. Existing Contour: (Symbol)
3. Proposed Contour: (Symbol)
4. Spot Elevation: +FE
5. Direction of Drainage: (Symbol)
6. Walk-Out Basement: (Symbol)

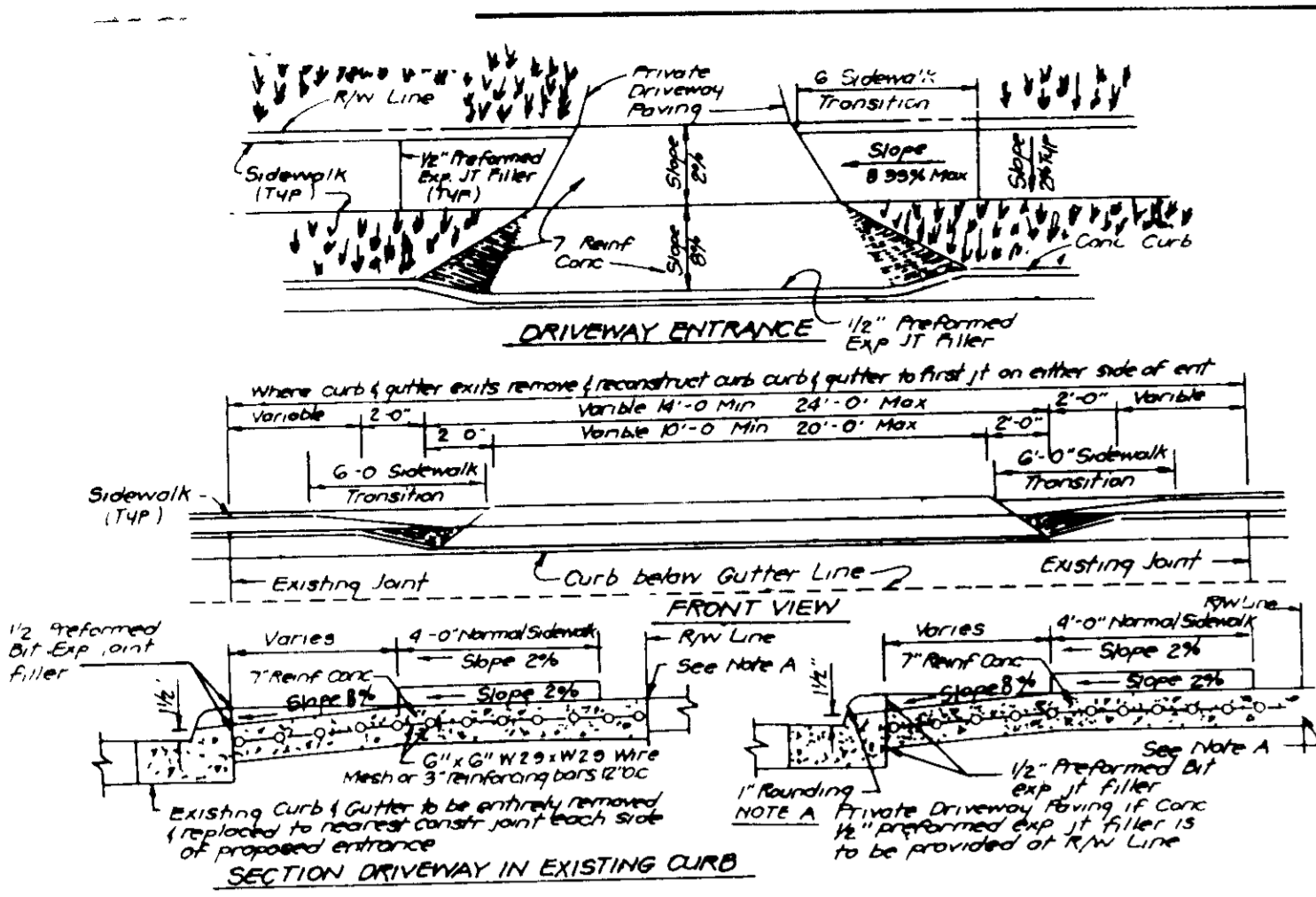


**SPECIAL NOTES:**

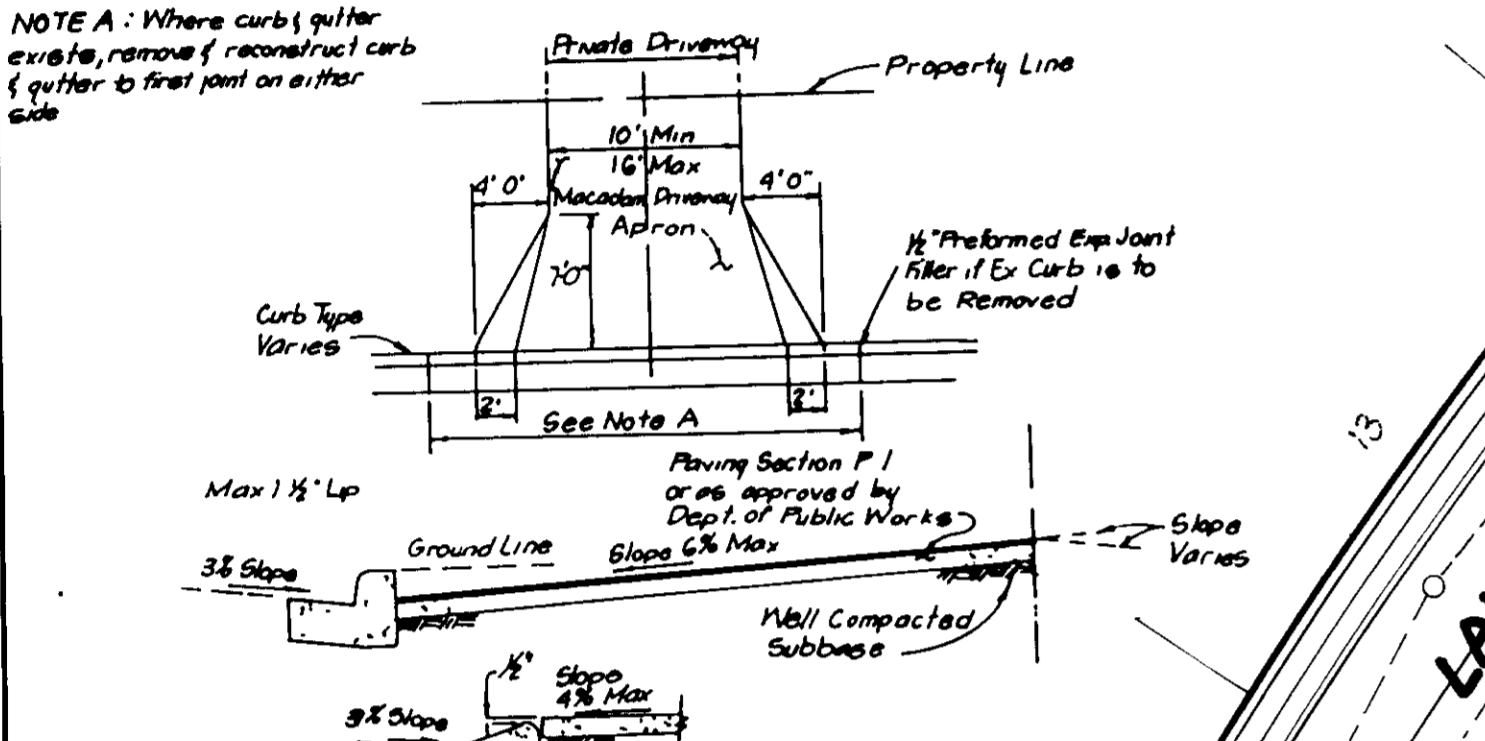
1. Approved Road Construction Plans shall be used for all public utilities.
2. Public water & sewer shown for reference only. For more detailed information see water and sewer plans Contract No. C-28-1742-D.
3. The water & sewer house connections not included in a "Developer's Agreement" shall conform to Howard County Plumbing Code. The on-site W.H.C. shall be 1" copper and the S.H.C. shall be 4" iron.
4. Storm Water Management provided for by a...
5. All homes to be built on fill must have 95% compaction verified by a Geotechnical Engineer or foundation must extend down to undisturbed soil.

**GENERAL NOTES:**

1. The Land included in this plan is zoned R-20
2. Coordinates shown are based on the Maryland State Plane Coordinate System as projected by Howard County Control Station Nos. 344 8002 & 344 1004-R
3. All roadways are public and existing.
4. Total area included in this plan: 9.93 Acres
5. Any damage to county owned rights of way shall be corrected at the developer's expense.
6. Total number of lots: 31
7. For flag or pipestem lots, refuse collection, snow removal, and maintenance to be provided to the junction of flag or pipestem and the road R/W and not onto the flag or pipestem driveway.
8. Storm Water Management provided by...
9. Lot Coverage: 30%
10. Reference Nos. SB7-83, P88-15, F88-175

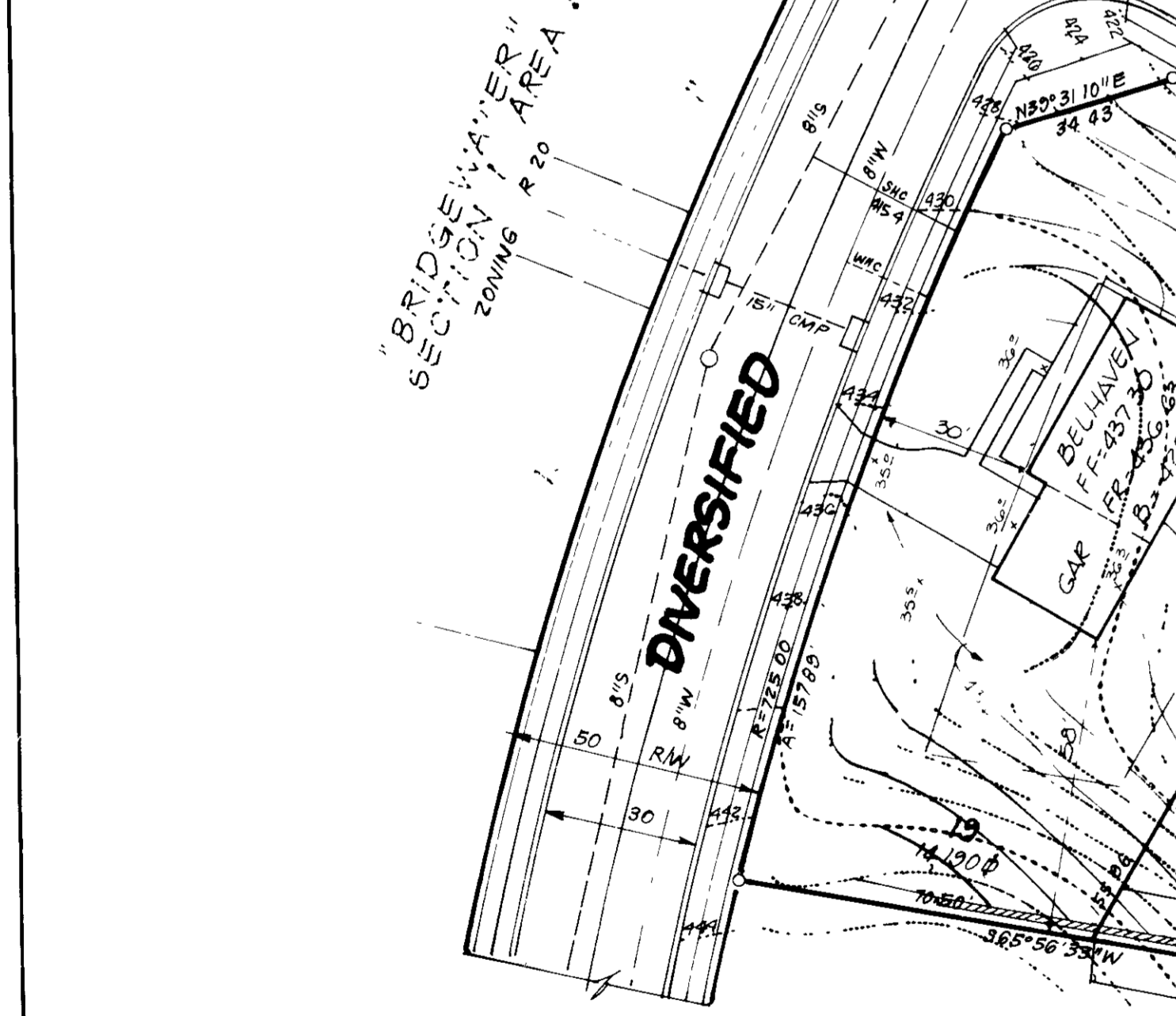


**DRIVEWAY ABUTTING CLOSED SECTION WITH STD 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB**



**DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK**

NOTE A: Where curb/gutter exists, remove & reconstruct curb/gutter to first joint on either side.



Lot #	Total Area	Area of Steep Slopes	Total Buildable Area
10	14,190 sq ft	916 sq ft	14,094 sq ft
05	17,904 sq ft	2720 sq ft	15,184 sq ft
06	17,178 sq ft	3100 sq ft	14,078 sq ft
70	15,854 sq ft	1854 sq ft	14,000 sq ft

ADDRESS CHART	
LOT NO	STREET ADDRESS
17	9844 BRIDGEWATER LANE
18	9840
19	2401
01	2399 BALLARD WAY
02	2397
03	2398
04	2394
05	2380
06	2377
07	2381
08	2385
09	2389
20	2393
21	2397

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 12-8-88

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: [Signature] DATE: 12/28/88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 12-6-88

Owner/Developer: Forten Sullivan Corp, 3 Bethesda Metro Center #200, Bethesda, Maryland 20814 (301) 654-1270

CLARK • FINEROCK & SACKETT, INC.  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINISTREL WAY • COLUMBIA MD 21045 • (301) 381-7200 - BALTO • (301) 621-8100 - WASH

DESIGNED: PDM  
 DRAWN: K/W  
 CHECKED: J.M.E.  
 DATE: July 1988

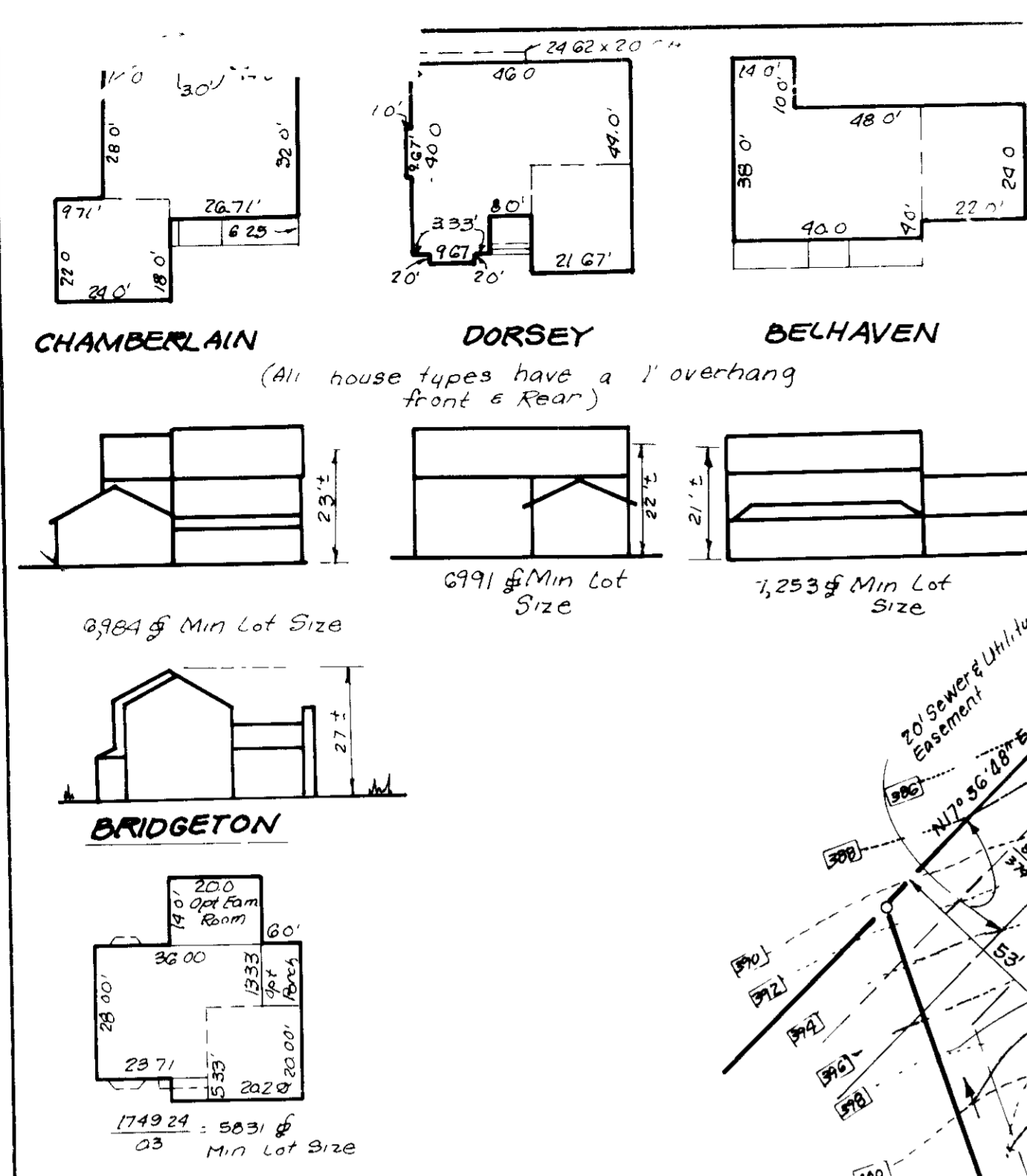
SITE DEVELOPMENT PLAN  
 LOTS 17, 18, 19; SEC 1, AREA 1, LOTS 61-71; 73, 91; SEC 1, AREA 2  
**BRIDGEWATER**  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 PDR: BRIDGEWATER HOMES LIMITED, 8015 Dorsey Run Road #A, Columbia, Md 21024

SCALE: 1"=30'  
 DRAWING: 10F4  
 JOB NO: 88-059  
 FILE NO: 88059-K  
 SDP-89-40





No	REVISION	Date
1	Rev hse & grd Lot 66 (Amberly) Lot 70 (Belhaven rev) & lot 77 (Chamberlain rev) to Dorsey (rev) Lot 79 to Dorsey	12 15 88
2	Rev hse & grd Lot 87 4 80	3 9 90
3	Rev hse & grd lot 82 from Chamberlain to Bridgeton (rev) lot 79 from Dorsey to Bridgeton & lot 80 from Chamberlain to Dorsey (rev)	7 13 90



**TYPICAL HOUSES**  
Scale: 1" = 30'



Lot No	STREET ADDRESS
66	2376 BALLARD WAY
67	2372
68	2301 CARR COURT
69	2305
70	2300
71	2318
73	2308
74	2304
75	2300
76	2350 BALLARD WAY
79	2340
80	2353
81	2357
82	2361
83	2365
84	2369

SUBDIVISION NAME BRIDGEWATER	SECT / AREA 1 / 182	LOT / PARCEL # 1 / 136711431
PLAT # 8007, 8008	BLOCK # 8	ZONE R 20
TAX / BOND MAP 17 P 30	ELEC DIST 2ND	CENSUS TR G021
WATER CODE H03	SEWER CODE 5758200	

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER: [Signature] DATE: 12-8-88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
PLANNING DIRECTOR: [Signature] DATE: 12/20/88

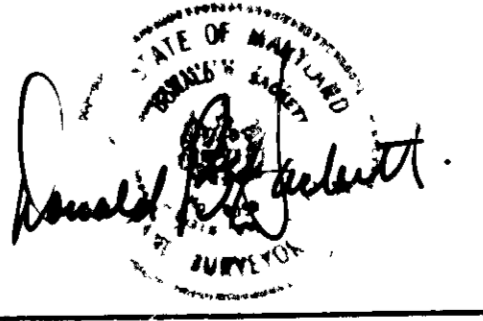
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
DATE: 12-2-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: [Signature] DATE: 12-6-88

CHIEF BUREAU OF ENGINEERING  
DATE: 12-6-88

9-8-88

Owner/Developer  
Porter Sullivan Corp  
3 Bethesda Metro Center #900  
Bethesda, Maryland 20814  
(301) 654-7270



**CLARK • FINEPROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINSIELE WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO • (301) 621-8300 - WASH

DESIGNED: PDM  
DRAWN: KIW  
CHECKED: JME  
DATE: Jul, 1988

**SITE DEVELOPMENT PLAN**  
LOTS 17, 18, 19 SECT 1 AREA 1, LOTS 61-71, 73-91 SECT 1 AREA 2

**BRIDGEWATER**

2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

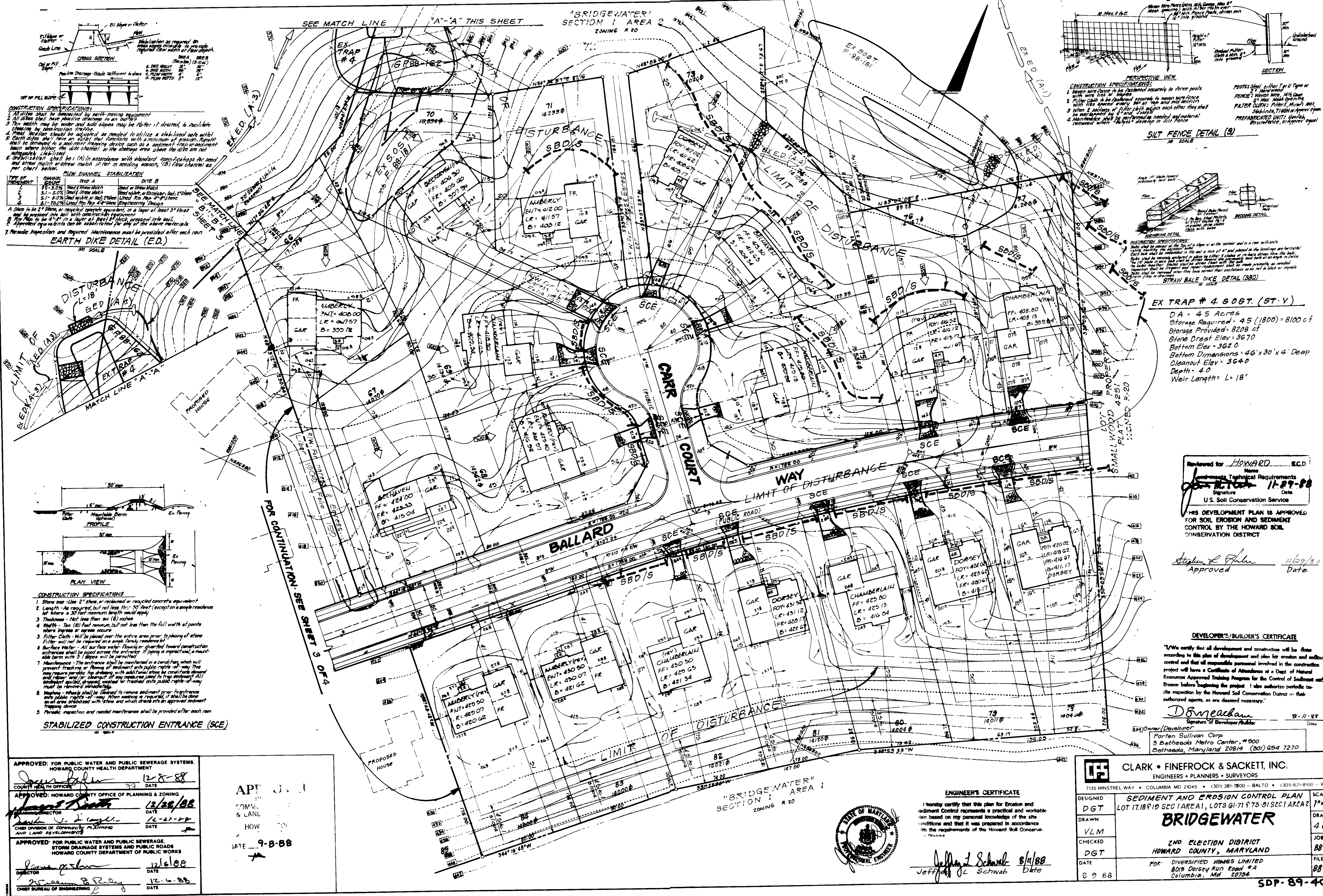
FOR: DIVERSIFIED HOMES LIMITED  
8015 Dorsey Rd. Road #A  
Columbia, Md 20794

SCALE: 1" = 30'  
DRAWING: 20 of 4  
JOB NO: 88 059  
FILE NO: 38-059-X









**CONSTRUCTION SPECIFICATIONS**

- All ditches shall be earth-moving equipment.
- All ditches shall have positive drainage to an outlet.
- The width may be wider and side slopes may be flatter if desired, to facilitate cleaning by tractor-trailer.
- Final location should be adjusted as needed to utilize a stabilized pipe outlet.
- Earth ditches shall have an outlet that functions with a minimum of erosion. Runoff shall be directed to a sediment-trapping device such as a sediment trap or sediment basin where either the ditch channel, or the drainage area above the ditch are not adequately stabilized.
- Slope/width shall be: (A) In accordance with standard steep-slopes for seed and straw mulch or straw mulch if not in seeding season, (B) Flow channels as per chart below.

TYPE OF TREATMENT	CHANNEL WIDTH	DITCH A	DITCH B
1	8" - 12"	Seed & Straw Mulch	Seed or Straw Mulch
2	12" - 24"	Seed & Straw Mulch	Seed or Straw Mulch
3	24" - 36"	Seed & Straw Mulch	Seed or Straw Mulch
4	36" - 48"	Seed & Straw Mulch	Seed or Straw Mulch
5	48" - 60"	Seed & Straw Mulch	Seed or Straw Mulch
6	60" - 72"	Seed & Straw Mulch	Seed or Straw Mulch
7	72" - 84"	Seed & Straw Mulch	Seed or Straw Mulch
8	84" - 96"	Seed & Straw Mulch	Seed or Straw Mulch
9	96" - 108"	Seed & Straw Mulch	Seed or Straw Mulch
10	108" - 120"	Seed & Straw Mulch	Seed or Straw Mulch

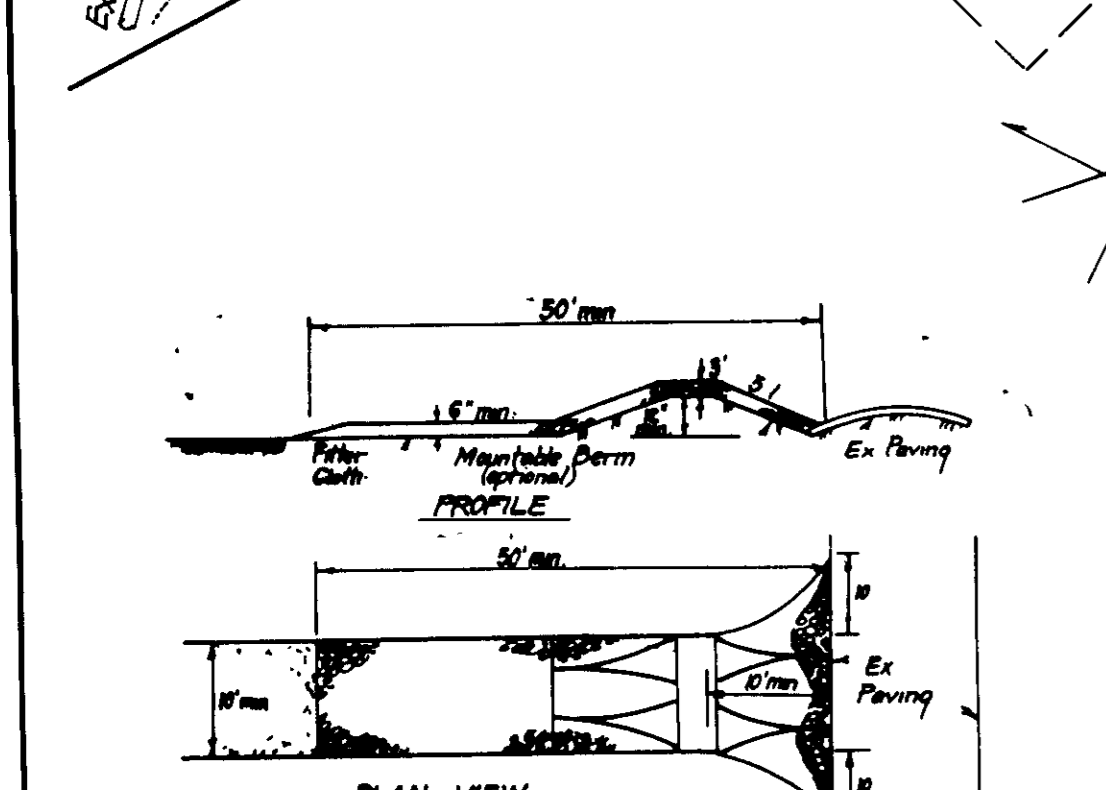
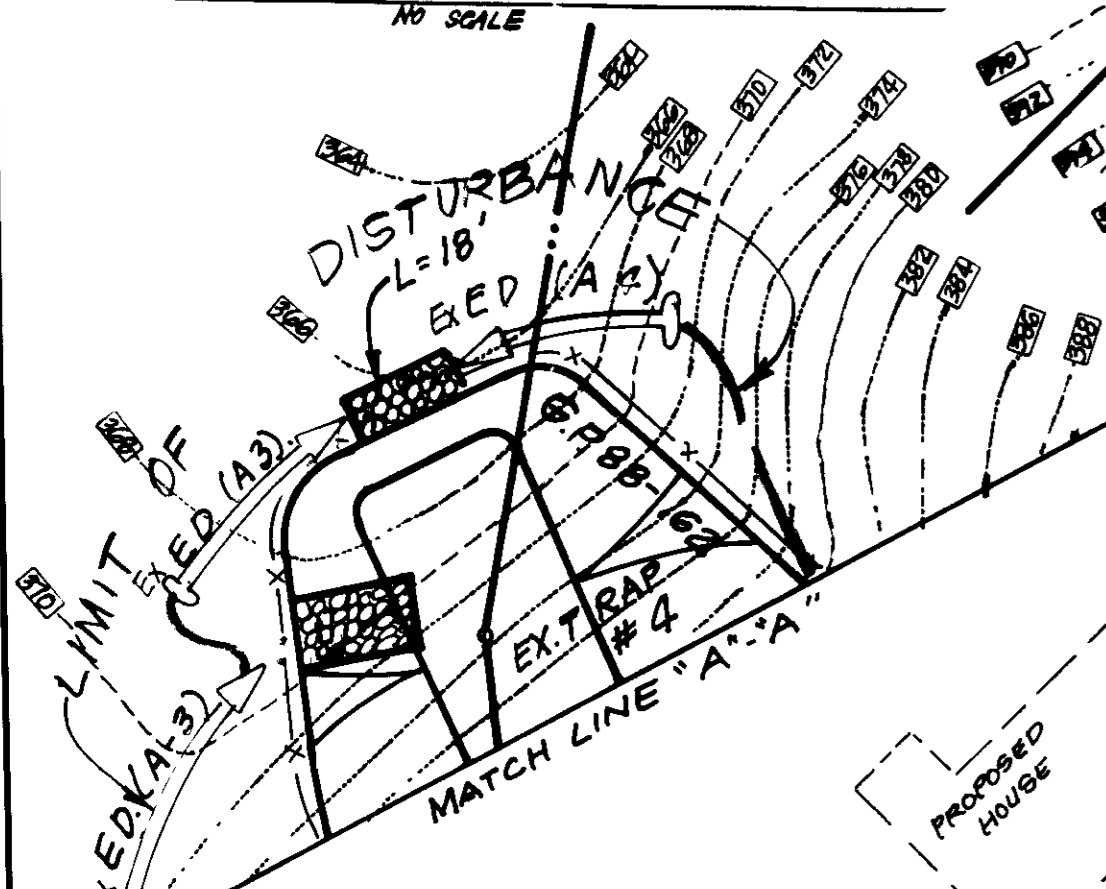
1. Stone to be 2" stone, or recycled concrete equivalent, in a layer of at least 3" thick and be placed into the soil with construction equipment.

2. Top layer to be 4" in a layer of 8" of 1/2" crushed gravel (1/2" max).

3. Interlocking equivalent can be substituted for any of the above materials.

7. Periodic inspection and required maintenance must be provided after each rain.

**EARTH DIKE DETAIL (E.D.)**  
NO SCALE



**CONSTRUCTION SPECIFICATIONS**

- Stone size - Use 2" stone, or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a simple residence lot where a 30 foot minimum length would apply).
- Thickness - Not less than six (6) inches.
- Width - Ten (10) feet minimum, but not less than the full width at points where ingress or egress occurs.
- Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a simple family residence lot.
- Surface Water - All surface water flowing or diverted toward construction entrances shall be passed across the entrance. If piping is impractical, a manhole shall be installed. If piping is impractical, a manhole shall be installed.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public rights-of-way. This may require periodic top dressing with additional stone to cover hard ground and/or removal of any material used to trap sediment. All sediment trapped, stepped, washed or tracked onto public rights-of-way must be removed immediately.
- Washing - Washing shall be cleaned to remove sediment prior to entrance into public rights-of-way. When washing is required, it shall be done in an area designated with a sign and which is an approved sediment trapping device.
- Periodic inspection and required maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**  
NO SCALE

**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT**

*James L. Schwab* 12-8-88 DATE  
COUNTY HEALTH OFFICER

**APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING**

*James L. Schwab* 12/28/88 DATE  
PLANNING DIRECTOR

*James L. Schwab* 12-27-88 DATE  
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

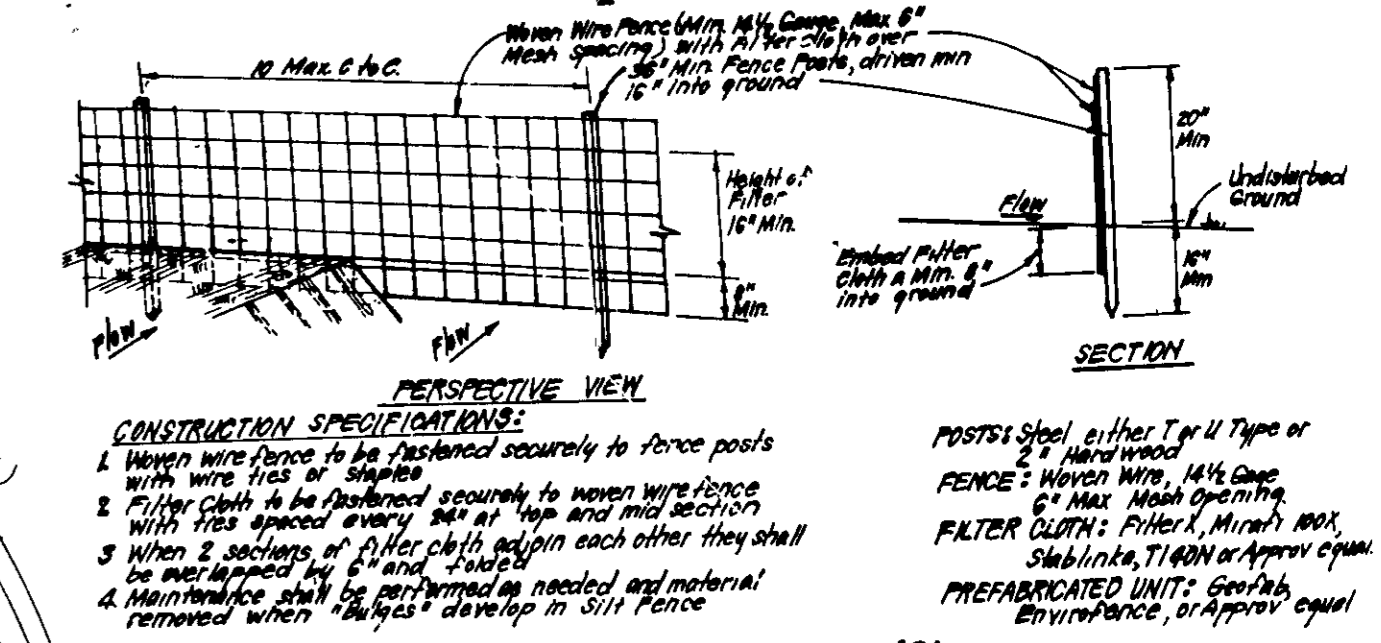
**APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS**

*James L. Schwab* 12/6/88 DATE  
DIRECTOR

*James L. Schwab* 12-6-88 DATE  
CHIEF BUREAU OF ENGINEERING

**APPROVED: APT COMM. & LAND HOWARD COUNTY**

DATE 9-8-88



**CONSTRUCTION SPECIFICATIONS**

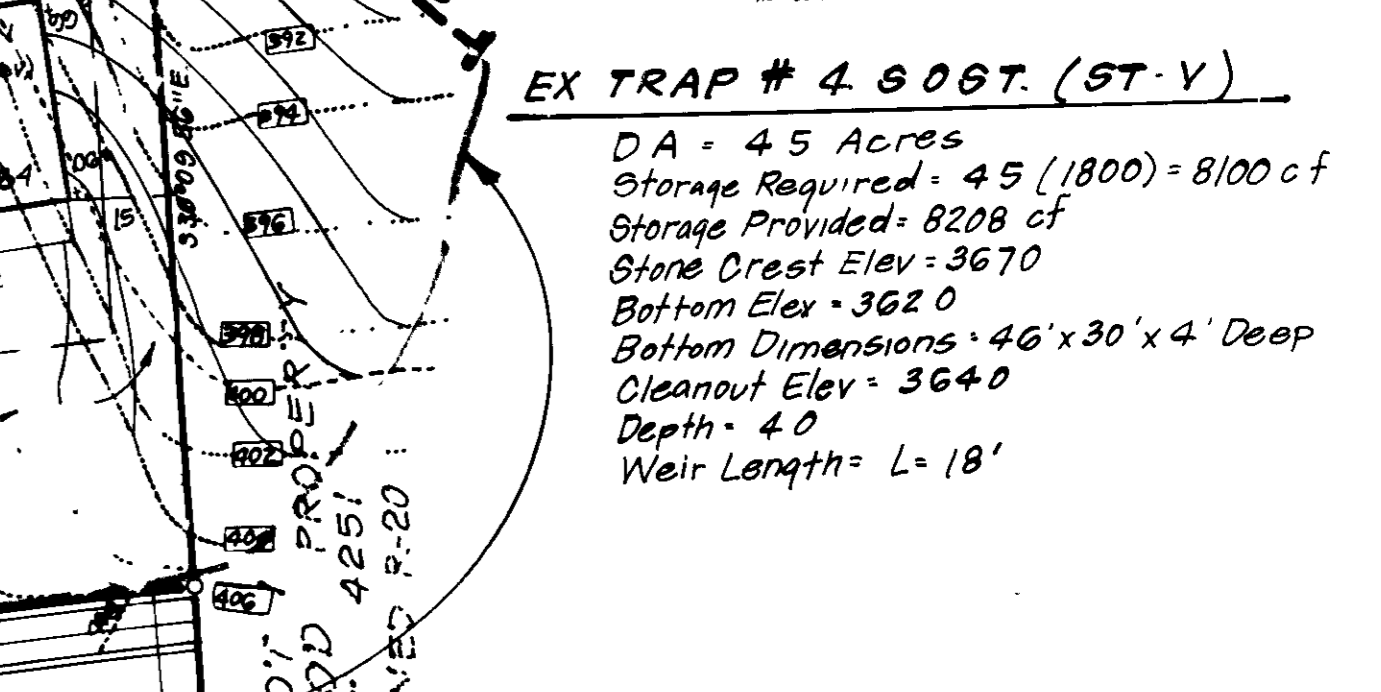
- Filter cloth shall be fastened securely to fence posts with wire ties or staples.
- Filter cloth shall be fastened securely to fence posts with wire ties or staples.
- When 2 sections of filter cloth meet each other they shall be overlapped by 6" and secured with staples.
- Maintenance shall be performed as needed and material removed when "bags" develop in silt fence.

**SILT FENCE DETAIL (S)**  
NO SCALE

**STRAW BALE DIKE DETAIL (SBD)**  
NO SCALE

**EX TRAP # 4 S.O.G.T. (ST-Y)**

DA = 4.5 Acres  
Storage Required = 4.5 (1800) = 8100 cft  
Storage Provided = 8208 cft  
Stone Crest Elev = 3670  
Bottom Elev = 3620  
Bottom Dimensions = 46' x 30' x 4' Deep  
Cleanout Elev = 3640  
Depth = 4.0  
Weir Length = L = 18'



Reviewed for HOWARD S.C.D. Name  
and meets Technical Requirements 11-27-88  
*James L. Schwab* Signature Date  
U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

*Stephen L. Fisher* 11/29/88 Approved Date

**DEVELOPER'S/BUILDER'S CERTIFICATE**

"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

*D. Breacham* 8-11-88 Signature of Developer/Builder Date

Owner/Developer: *Porten Sullivan Corp.*  
3 Bethesda Metro Center, #900  
Bethesda, Maryland 20814 (301) 654-7270

**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WASH.

**DESIGNED: DGT**  
**DRAWN: VLM**  
**CHECKED: DGT**  
**DATE: 8-9-88**

**SCALE: 1"=30'**  
**DRAWING: 4 OF 4**  
**JOB NO: 88-059**  
**FILE NO: 88-059SE**

**BRIDGEWATER**

**2ND ELECTION DISTRICT**  
**HOWARD COUNTY, MARYLAND**

**FOR: DIVERSIFIED HOMES LIMITED**  
8015 DORSEY RUN ROAD #4  
Columbia, Md. 21024

**SDP-89-40**

**ENGINEER'S CERTIFICATE**

I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

*Jeffrey L. Schwab* 8/11/88 Date  
*Jeffrey L. Schwab* Date

