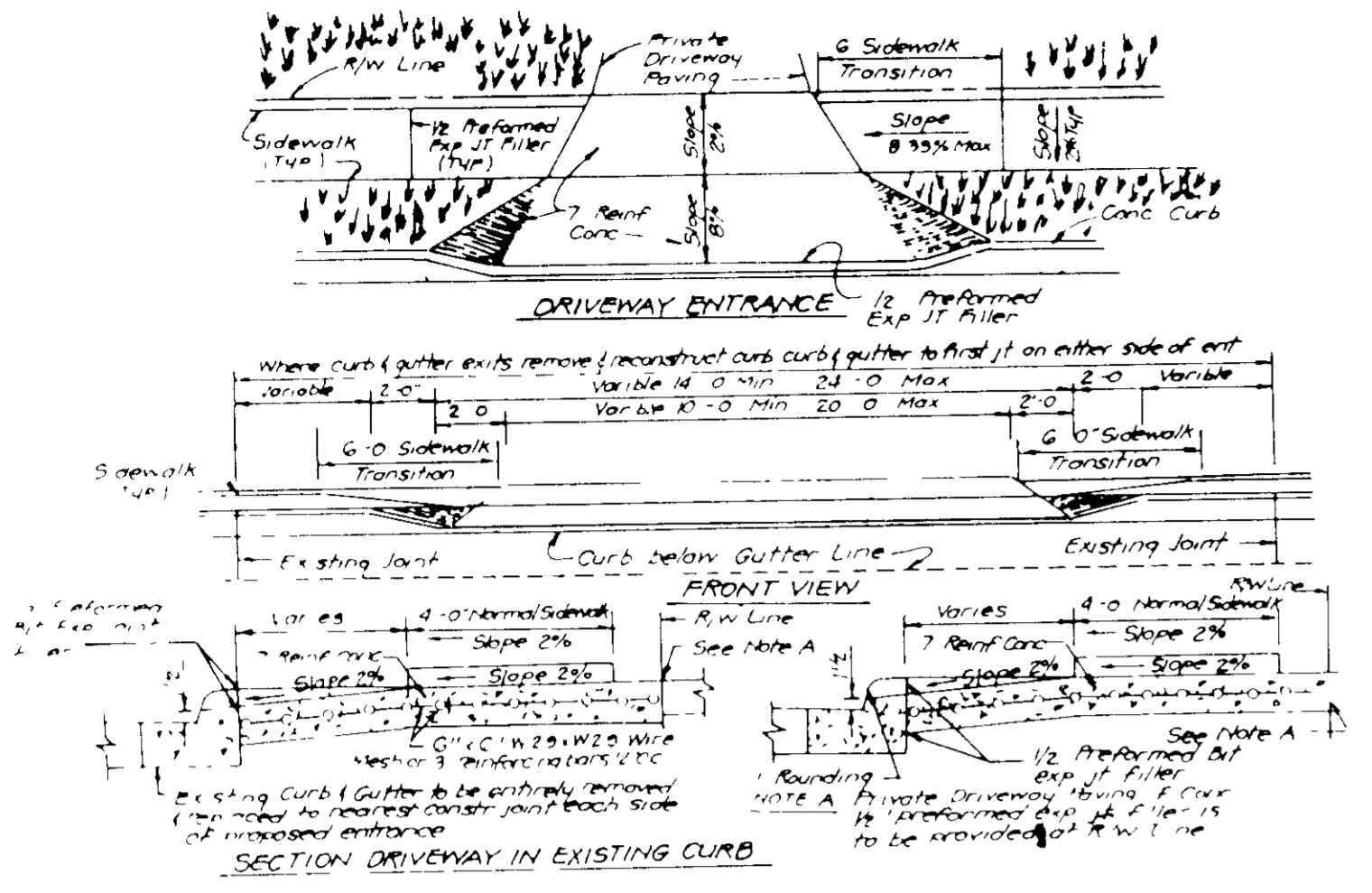


**GENERAL NOTES**

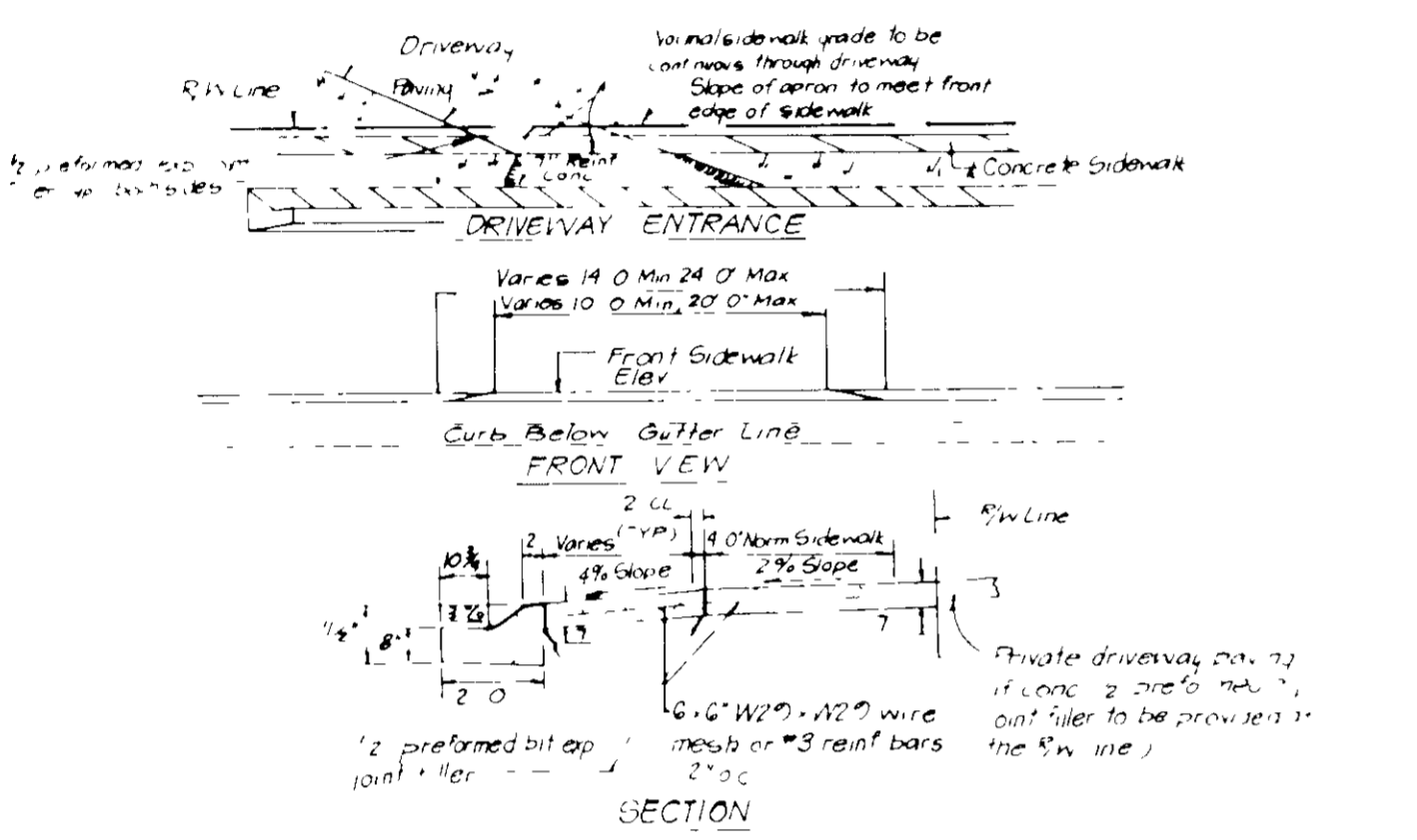
- 1 The land included in this plan is zoned R-20
- 2 Coordinates shown are extensions made from Maryland State Plane Coordinate System Bearings refer to true North and are based on Howard County Geodetic Survey Point No. 3
- 3 Total area of Lots 2 386 Acres
- 4 All roadways are public and existing
- 5 Any damage to county owned rights-of-way shall be corrected at the developer's expense
- 6 Total No. of lots: 20
- 7 Ego derived from Road Construction Plans F 88 108 prepared by Whitman, Requardt & Assoc.
- 8 Reference: S 86-97, P-87 27 F 88 108
- 9 S.W.M. for this plan, has been provided in Burleigh Manor F 79-23

**LEGEND**

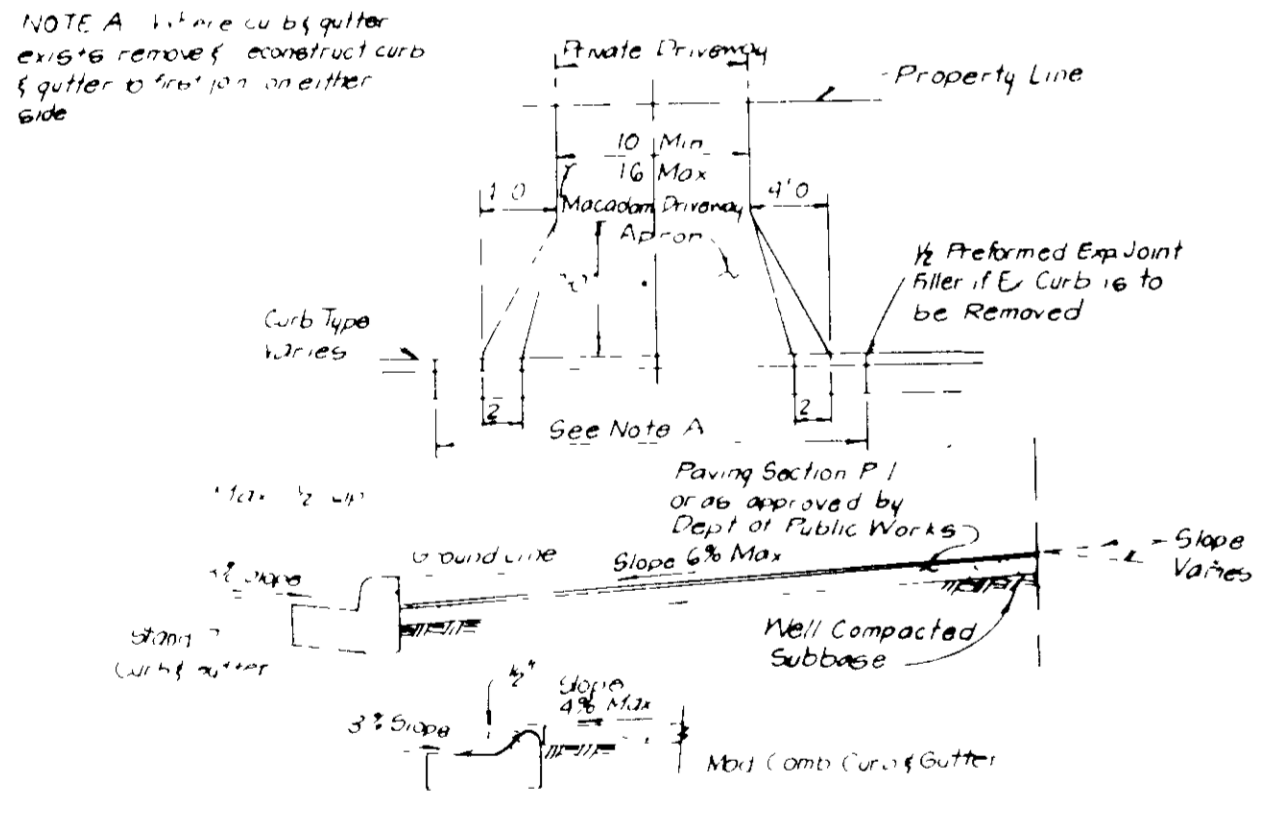
- 1 Contour Interval 2 FT
- 2 Existing Contour
- 3 Proposed Contour
- 4 Spot Elevation
- 5 Direction of Drainage
- 6 Existing trees to be retained
- 7 Walk Out Basement



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



**DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB CURB & GUTTER & SIDEWALK**



**DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK**



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

DATE: 11-14-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

DATE: 11-17-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

DATE: 11-18-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

DATE: 11-9-88

10-6-88

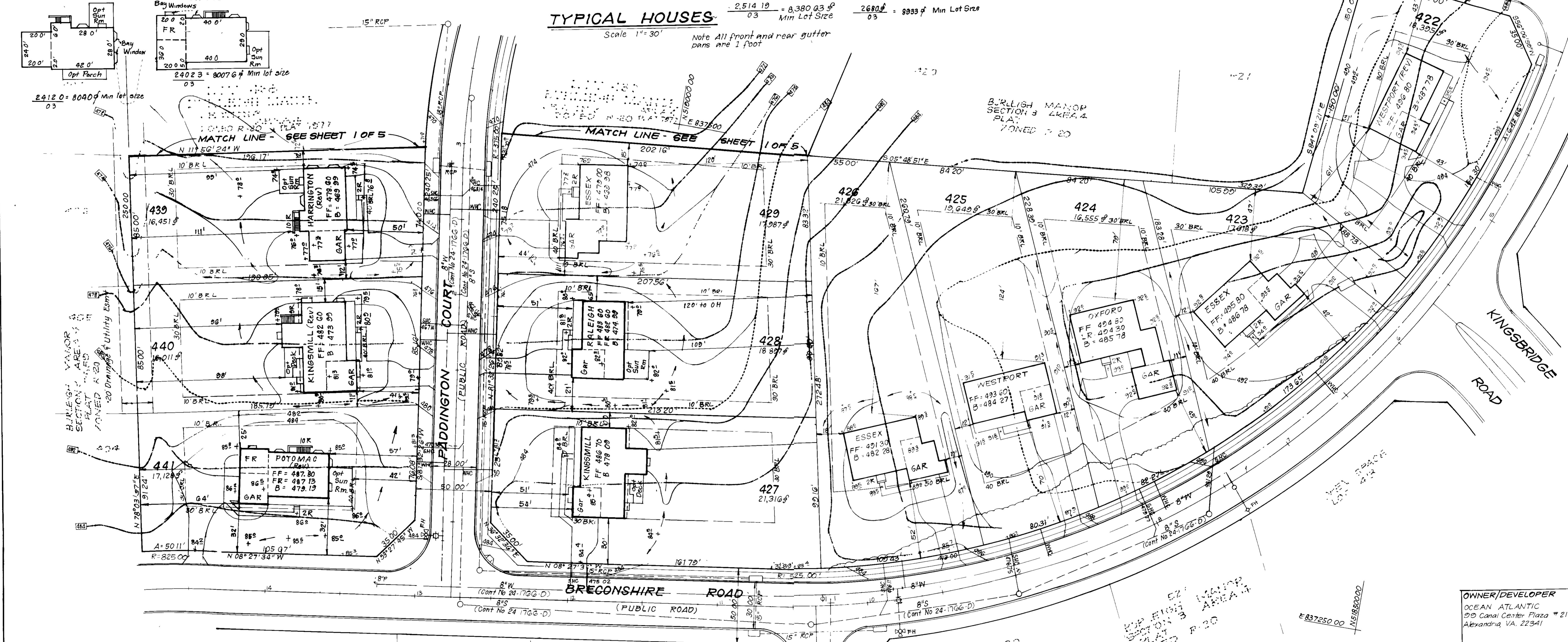
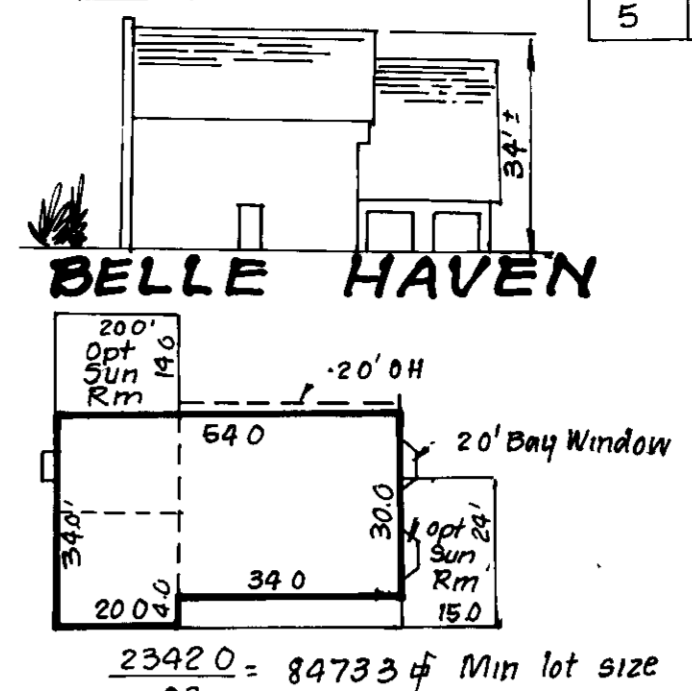
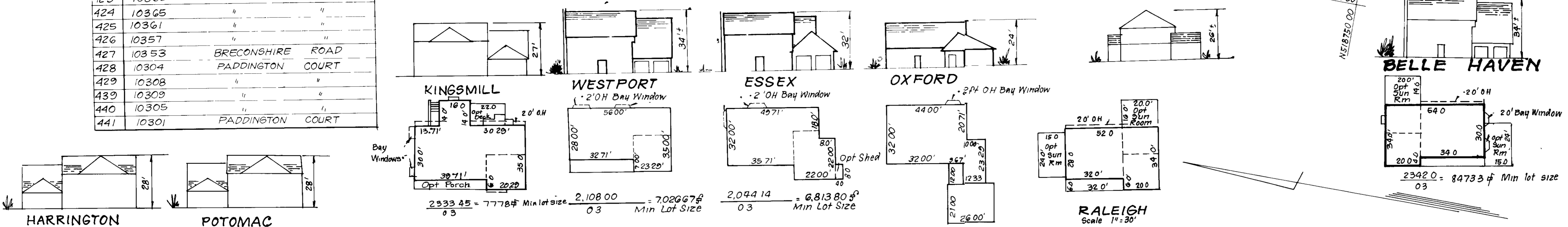
ADDRESS CHART

LOT	ADDRESS	STREET
130	10312	PADDINGTON COURT
431	10316	"
432	10320	"
433	10324	"
434	10328	"
435	10332	"
436	10336	"
437	10340	"
438	10344	"
439	10348	"
440	10352	"
441	10356	"
442	10360	"
443	10364	"
444	10368	"
445	10372	"
446	10376	"
447	10380	"
448	10384	"
449	10388	"
450	10392	"
451	10396	"
452	10400	"
453	10404	"
454	10408	"
455	10412	"
456	10416	"
457	10420	"
458	10424	"
459	10428	"
460	10432	"
461	10436	"
462	10440	"
463	10444	"
464	10448	"
465	10452	"
466	10456	"
467	10460	"
468	10464	"
469	10468	"
470	10472	"
471	10476	"
472	10480	"
473	10484	"
474	10488	"
475	10492	"
476	10496	"
477	10500	"
478	10504	"
479	10508	"
480	10512	"
481	10516	"
482	10520	"
483	10524	"
484	10528	"
485	10532	"
486	10536	"
487	10540	"
488	10544	"
489	10548	"
490	10552	"
491	10556	"
492	10560	"
493	10564	"
494	10568	"
495	10572	"
496	10576	"
497	10580	"
498	10584	"
499	10588	"
500	10592	"
501	10596	"
502	10600	"
503	10604	"
504	10608	"
505	10612	"
506	10616	"
507	10620	"
508	10624	"
509	10628	"
510	10632	"
511	10636	"
512	10640	"
513	10644	"
514	10648	"
515	10652	"
516	10656	"
517	10660	"
518	10664	"
519	10668	"
520	10672	"
521	10676	"
522	10680	"
523	10684	"
524	10688	"
525	10692	"
526	10696	"
527	10700	"
528	10704	"
529	10708	"
530	10712	"
531	10716	"
532	10720	"
533	10724	"
534	10728	"
535	10732	"
536	10736	"
537	10740	"
538	10744	"
539	10748	"
540	10752	"
541	10756	"
542	10760	"
543	10764	"
544	10768	"
545	10772	"
546	10776	"
547	10780	"
548	10784	"
549	10788	"
550	10792	"
551	10796	"
552	10800	"
553	10804	"
554	10808	"
555	10812	"
556	10816	"
557	10820	"
558	10824	"
559	10828	"
560	10832	"
561	10836	"
562	10840	"
563	10844	"
564	10848	"
565	10852	"
566	10856	"
567	10860	"
568	10864	"
569	10868	"
570	10872	"
571	10876	"
572	10880	"
573	10884	"
574	10888	"
575	10892	"
576	10896	"
577	10900	"
578	10904	"
579	10908	"
580	10912	"
581	10916	"
582	10920	"
583	10924	"
584	10928	"
585	10932	"
586	10936	"
587	10940	"
588	10944	"
589	10948	"
590	10952	"
591	10956	"
592	10960	"
593	10964	"
594	10968	"
595	10972	"
596	10976	"
597	10980	"
598	10984	"
599	10988	"
600	10992	"
601	10996	"
602	11000	"
603	11004	"
604	11008	"
605	11012	"
606	11016	"
607	11020	"
608	11024	"
609	11028	"
610	11032	"
611	11036	"
612	11040	"
613	11044	"
614	11048	"
615	11052	"
616	11056	"
617	11060	"
618	11064	"
619	11068	"
620	11072	"
621	11076	"
622	11080	"
623	11084	"
624	11088	"
625	11092	"
626	11096	"
627	11100	"
628	11104	"
629	11108	"
630	11112	"
631	11116	"
632	11120	"
633	11124	"
634	11128	"
635	11132	"
636	11136	"
637	11140	"
638	11144	"
639	11148	"
640	11152	"
641	11156	"
642	11160	"
643	11164	"
644	11168	"
645	11172	"
646	11176	"
647	11180	"
648	11184	"
649	11188	"
650	11192	"
651	11196	"
652	11200	"
653	11204	"
654	11208	"
655	11212	"
656	11216	"
657	11220	"
658	11224	"
659	11228	"
660	11232	"
661	11236	"
662	11240	"
663	11244	"
664	11248	"
665	11252	"
666	11256	"
667	11260	"
668	11264	"
669	11268	"
670	11272	"
671	11276	"
672	11280	"
673	11284	"
674	11288	"
675	11292	"
676	11296	"
677	11300	"
678	11304	"
679	11308	"
680	11312	"
681	11316	"
682	11320	"
683	11324	"
684	11328	"
685	11332	"
686	11336	"
687	11340	"
688	11344	"
689	11348	"
690	11352	"
691	11356	"
692	11360	"
693	11364	"
694	11368	"
695	11372	"
696	11376	"
697	11380	"
698	11384	"
699	11388	"
700	11392	"
701	11396	"
702	11400	"
703	11404	"
704	11408	"
705	11412	"
706	11416	"
707	11420	"
708	11424	"
709	11428	"
710	11432	"
711	11436	"
712	11440	"
713	11444	"
714	11448	"
715	11452	"
716	11456	"
717	11460	"
718	11464	"
719	11468	"
720	11472	"
721	11476	"
722	11480	"
723	11484	"
724	11488	"
725	11492	"
726	11496	"
727	11500	"
728	11504	"
729	11508	"
730	11512	"
731	11516	"
732	11520	"
733	11524	"
734	11528	"
735	11532	"
736	11536	"
737	11540	"
738	11544	"
739	11548	"
740	11552	"
741	11556	"
742	11560	"
743	11564	"
744	11568	"
745	11572	"
746	11576	"
747	11580	"
748	11584	"
749	11588	"
750	11592	"
751	11596	"
752	11600	"
753	11604	"
754	11608	"
755	11612	"
756	11616	"
757	11620	"
758	11624	"
759	11628	"
760	11632	"
761	11636	"
762	11640	"
763	11644	"
764	11648	"
765	11652	"
766	11656	"
767	11660	"
768	11664	"
769	11668	"
770	11672	"
771	11676	"
772	11680	"
773	11684	"
774	11688	"
775	11692	"
776	11696	"
777	11700	"
778	11704	"
779	11708	"
780	11712	"
781	11716	"
782	11720	"
783	11724	"
784	11728	"
785	11732	"
786	11736	"
787	11740	"
788	11744	"
789	11748	"
790	11752	"
791	11756	"
792	11760	"
793	11764	"
794	11768	"
795	11772	"
796	11776	"
797	11780	"
798	11784	"
799	11788	"
800	11792	"
801	11796	"
802	11800	"
803	11804	"
804	11808	"
805	11812	"
806	11816	"
807	11820	"
808	11824	"
809	11828	"
810	11832	"
811	11836	"
812	11840	"
813	11844	"
814	11848	"
815	11852	"
816	11856	"
817	11860	"
818	11864	"
819	11868	"
820	11872	"
821	11876	"
822	11880	"
823	11884	"
824	11888	



LOT#	STREET	ADDRESS
422	10373	BRECONSHIRE ROAD
423	10365	"
424	10365	"
425	10361	"
426	10357	"
427	10353	BRECONSHIRE ROAD
428	10304	PADDINGTON COURT
429	10308	"
439	10309	"
440	10305	"
441	10301	PADDINGTON COURT

No	Rev hse & grd Lots 428, 439 & 440	Date
1	Rev hse & grd Lot 441 from Essex (Rev) to Harrington (Rev)	10-3-89
2	Rev hse & grd Lots 439 from Kingsmill (Rev) to Harrington (Rev)	6-1-90
3	Rev hse & grd Lot 441 from Kingsmill (Rev) to Potomac (Rev)	8-12-90
4	Rev hse & grd Lot 428 from Oxford to Potomac (Rev)	7-3-90
5	Rev hse & grd Lot 428 from Potomac to Raleigh & Lot 441 from Belle Haven (Rev) to Potomac (Rev)	



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

DATE: 11-14-89

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

DATE: 11-20-89

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

DATE: 11-9-89

10-6-88

BURLEIGH MANOR SECTION 3 AREA 4 PLAN ZONED R-20

TOWER HILL COURT

COURT

15' R.O.P.

30' R.O.P.

50' R.O.P.

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

7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7200 - BALTO • (301) 611-1800 - WASH

DESIGNED: VHL JME  
DRAWN: GS  
CHECKED: VHL JME  
DATE: March, 1988

**BURLEIGH MANOR**  
SECTION 3 AREA 4  
2<sup>ND</sup> ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

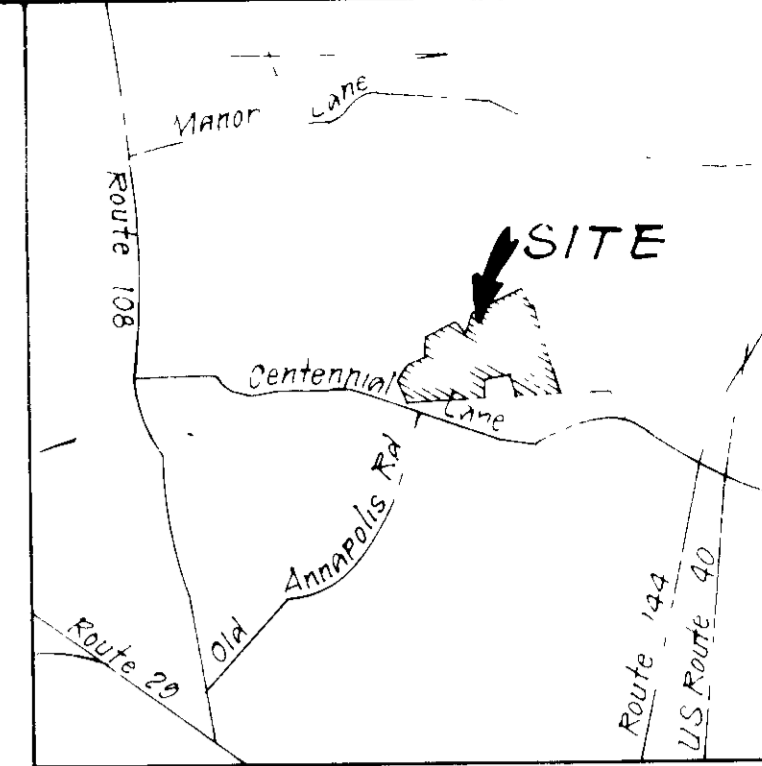
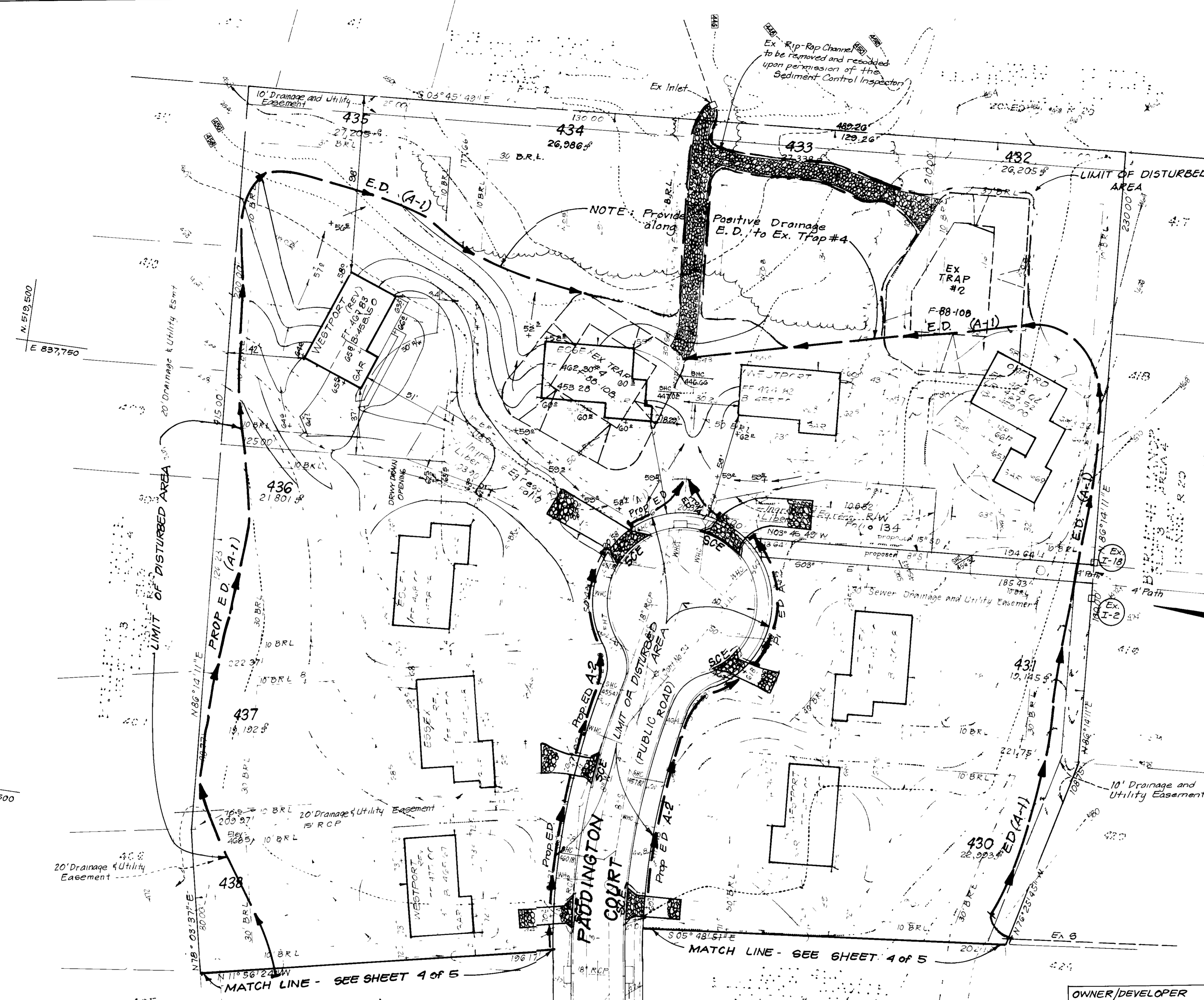
FOR OCEAN ATLANTIC  
99 CANAL CENTER PLAZA SUITE 210  
ALEXANDRIA, VIRGINIA 22304

SCALE: 1" = 30'  
DRAWING: 2 of 5  
JOB NO: 88-005  
FILE NO: 88-005X

S.D.P. 88-165



OWNER/DEVELOPER  
OCEAN ATLANTIC  
99 Canal Center Plaza # 210  
Alexandria, VA, 22304



- LEGEND**
- 1 Contour Interval
  - 2 Existing Contour
  - 3 Proposed Contour
  - 4 Spot Elevation
  - 5 Direction of Drainage
  - 6 Existing trees to be retained
  - 7 Walk Out Basement
  - 8 Stabilized Construction Entrance
  - 9 Earth Dike
  - 10 Silt Fence or Straw Bale Dike

HOWARD  
*John M. ...* 11-1-88  
 APPROVED DATE

<b>OWNER/DEVELOPER</b> OCEAN ATLANTIC 39 Canal Center Plaza #210 Alexandria, VA 22341		Subdivision Name BURLEIGH MANOR	Sec/Acre 3/4	Lots 422-441
Plot No 7977	Block R-20	Tax/Zone Map 23 24	Elec Dist 2 NP	Census Tr
Winter Code J01		Sewer Code 5841600		

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 11-14-88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 11-12-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 10-6-88

P.S./BUILDERS CERTIFICATE  
*Benjamin O. Magrann* 8-8-88



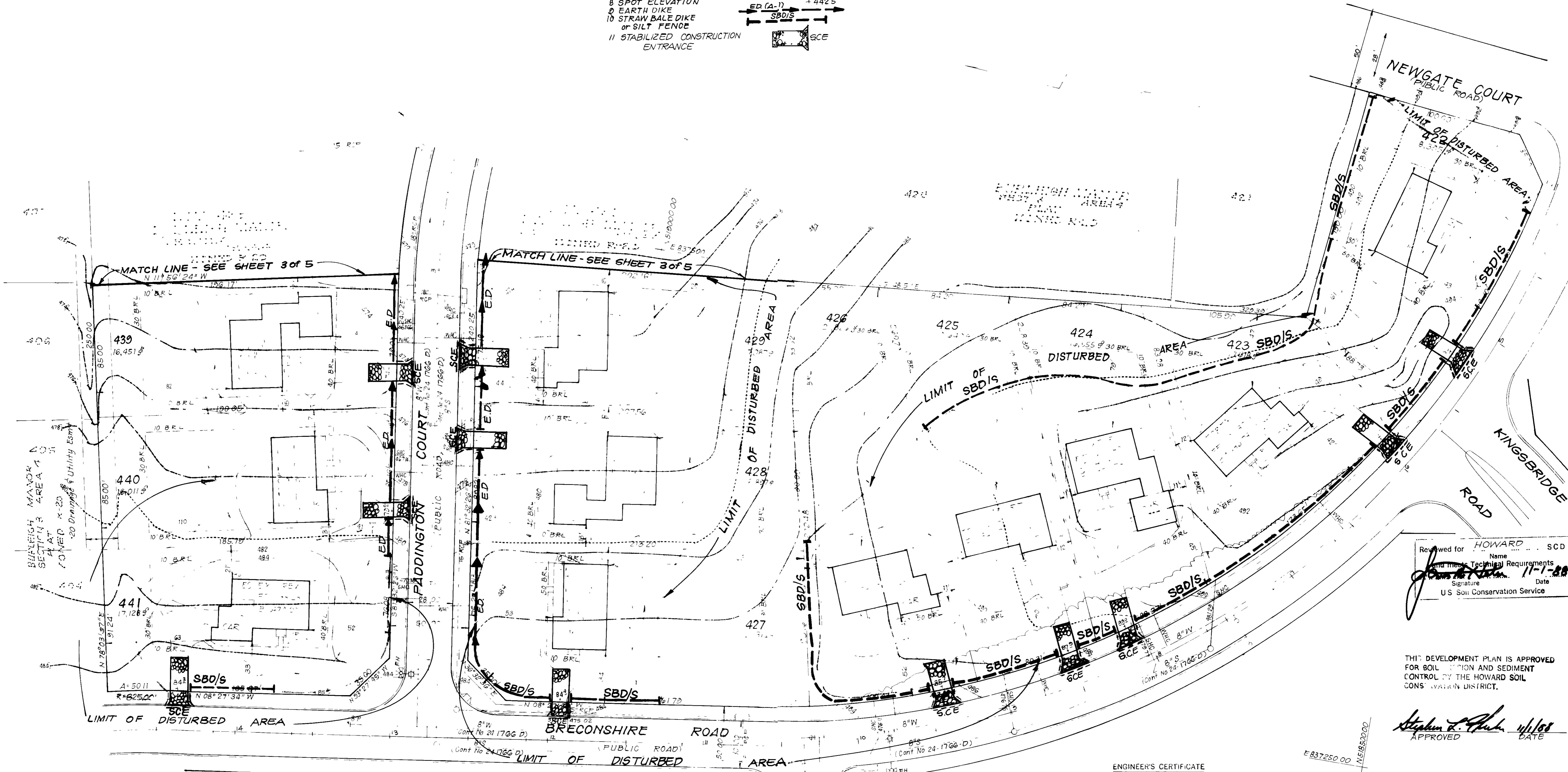
PROFESSIONAL CERTIFICATE  
 I hereby certify that the work shown on the above plan was done by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of Maryland.  
*G. Nelson Clark* 3-3-88  
 DATE

<b>ENGINEERS PLANNERS SURVEYORS</b> 7135 MINSTREL WAY COLUMBIA MD 21045 (301)381-7500 BALTO (301)621-8100 WASH	
JLS	<b>SEDIMENT EROSION CONTROL PLAN</b> LOTS 422 THRU 441
GS	<b>BURLEIGH MANOR</b> SECTION 3 AREA 4 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND
JLS	1"=30' 3 of 5 88-005
March, 1988	FOR OCEAN ATLANTIC 39 CANAL CENTER PLAZA SUITE 210 ALEXANDRIA, VIRGINIA



**LEGEND**

- 1 CONTOUR INTERVAL
- 2 EXISTING CONTOUR
- 3 PROPOSED CONTOUR
- 4 SPOT ELEVATION
- 5 DIRECTION OF DRAINAGE
- 6 WALK-OUT BASEMENT
- 7 EXISTING TREES TO BE RETAINED
- 8 SPOT ELEVATION
- 9 EARTH DIKE
- 10 STRAW BALE DIKE or SILT FENCE
- 11 STABILIZED CONSTRUCTION ENTRANCE



Reviewed for HOWARD COUNTY SCD  
 Name: *John A. ...*  
 Signature: *John A. ...*  
 Date: 11-1-88  
 U.S. Soil Conservation Service

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

*Stephen R. ...*  
 APPROVED DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 DATE: 11-14-88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 DATE: 11-12-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DATE: 11-9-88

**APPROVED**  
 DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT  
 HOWARD COUNTY, MARYLAND  
 DATE: 10-6-88

**DEVELOPER'S/BUILDER'S CERTIFICATE**  
 I hereby certify that all development and construction will be done in accordance with this plan 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.  
 Signature: *Debra J. ...*  
 Date: 8-8-88

**OWNER/DEVELOPER**  
 OCEAN ATLANTIC  
 99 Canal Center Plaza #210  
 Alexandria, VA 22311



**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.  
 Signature: *Stephen R. Clark*  
 Date: 3-3-89

<b>CLARK • FINEROCK &amp; SACKETT, INC.</b> ENGINEERS • PLANNERS • SURVEYORS		SCALE: 1"=30'
DESIGNED: JLS	SEDIMENT AND EROSION CONTROL PLAN LOTS 422 THRU 441	DRAWING: 4 of 5
DRAWN: GS	<b>BURLEIGH MANOR</b> SECTION 3 AREA 4 2 <sup>ND</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO: 88-005
CHECKED: JLS	FOR OCEAN ATLANTIC 99 CANAL CENTER PLAZA SUITE 210 ALEXANDRIA, VIRGINIA 22311	FILE NO: 88-005
DATE: Feb, 1988		



1. A notice must be given to the Office of Inspection and Permits prior to any construction (992-2437)
2. All structural provisions of this plan shall conform with the 1983 MARYLAND STATE DEPARTMENT OF SOIL EROSION AND SEDIMENT CONTROL REGULATIONS
3. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector
7. Site Analysis
- |                                     |              |
|-------------------------------------|--------------|
| Total Area of Site                  | 0.372 Acres  |
| Area to be roofed or paved          | 7042 Acres   |
| Area to be vegetatively stabilized  | 1007 Acres   |
| Total Lot                           | 5800 Cu. yds |
| Total Fill                          | 7800 Cu. yds |
| Off-site waste/borrow area location | Undetermined |
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment control must be provided, if deemed necessary by the Howard County DEW sediment control Inspector
10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
11. If houses are to be constructed on an "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented
12. All pipes to be blocked at the end of each day (see detail below).
13. The total amount of straw bale dikes/silt fence equals 1025 L.F.

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Soil Amendment - Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously recognized.

Soil Amendment - In lieu of soil test recommendations, use one of the following schedule:

- 1) Pre-ferret - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

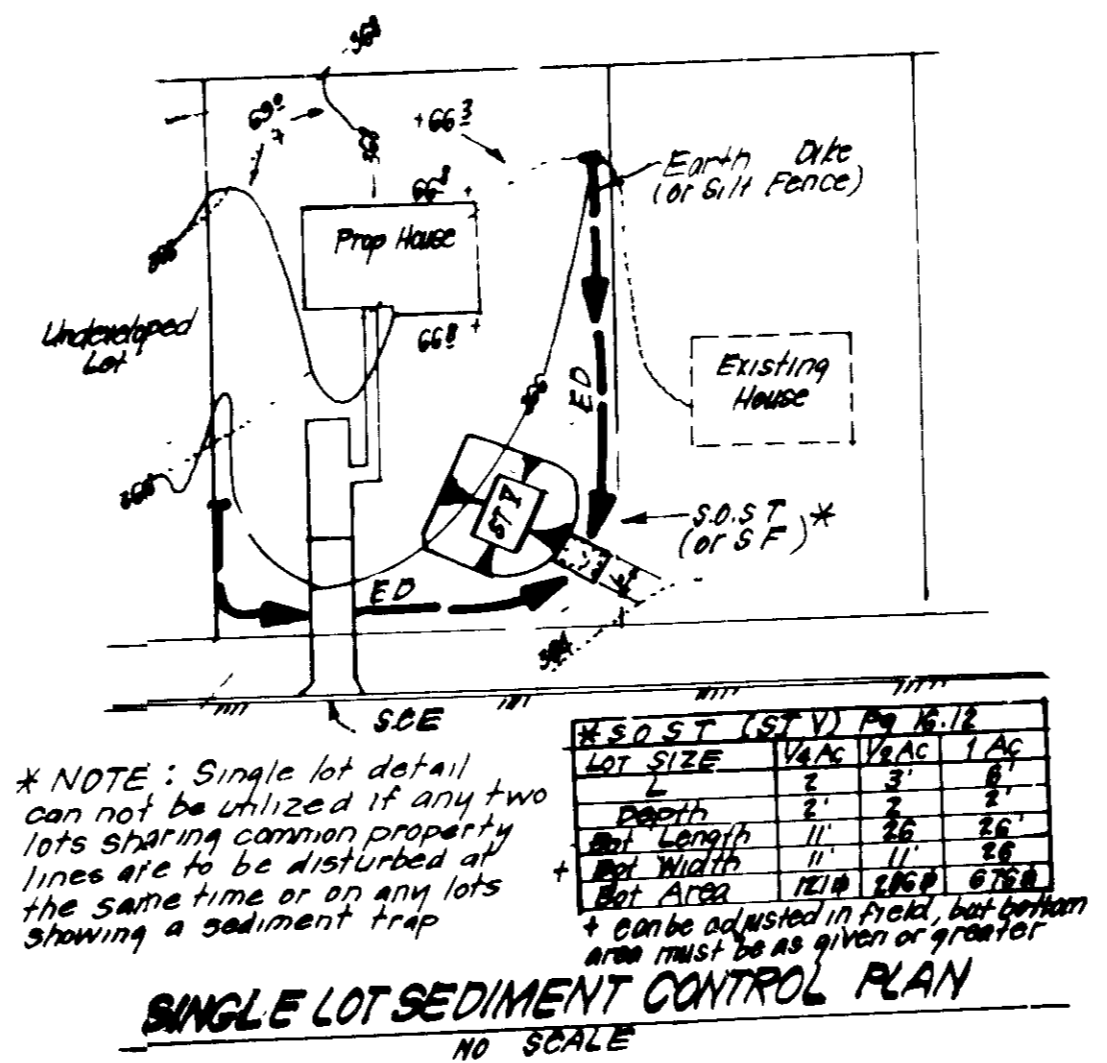
Soed Preparation - Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously recognized.

Soil Amendment - Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

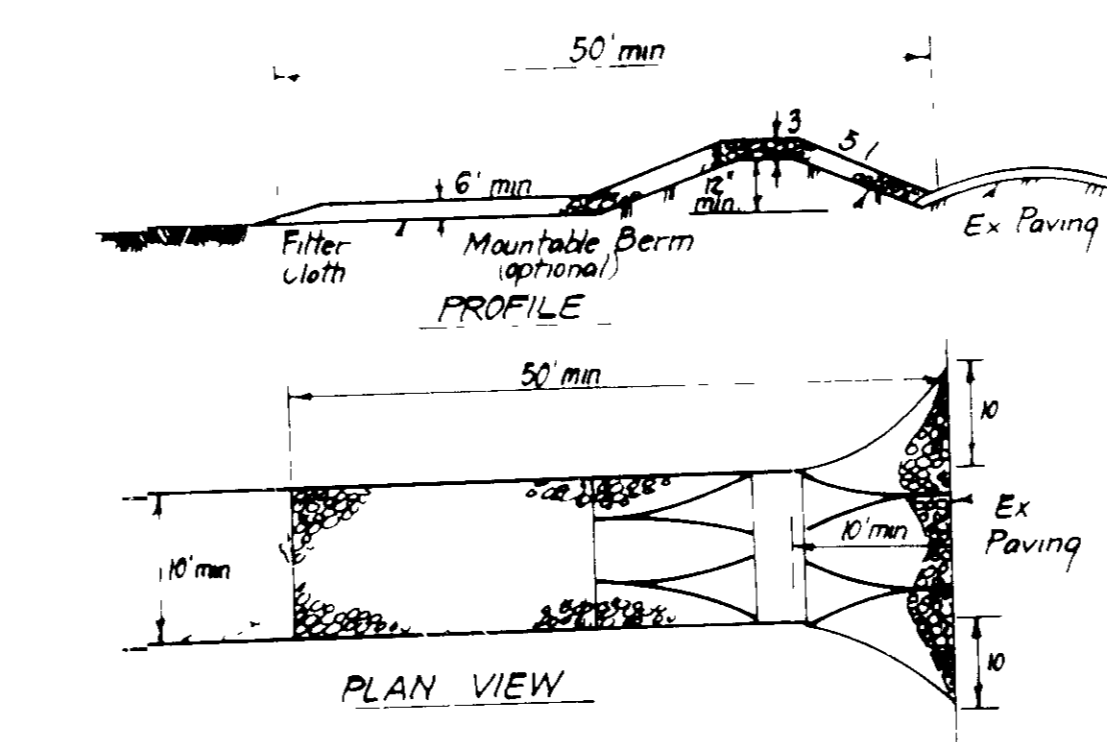
Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rates and methods not covered.



SINGLE LOT SEDIMENT CONTROL PLAN NO SCALE



CONSTRUCTION SPECIFICATIONS

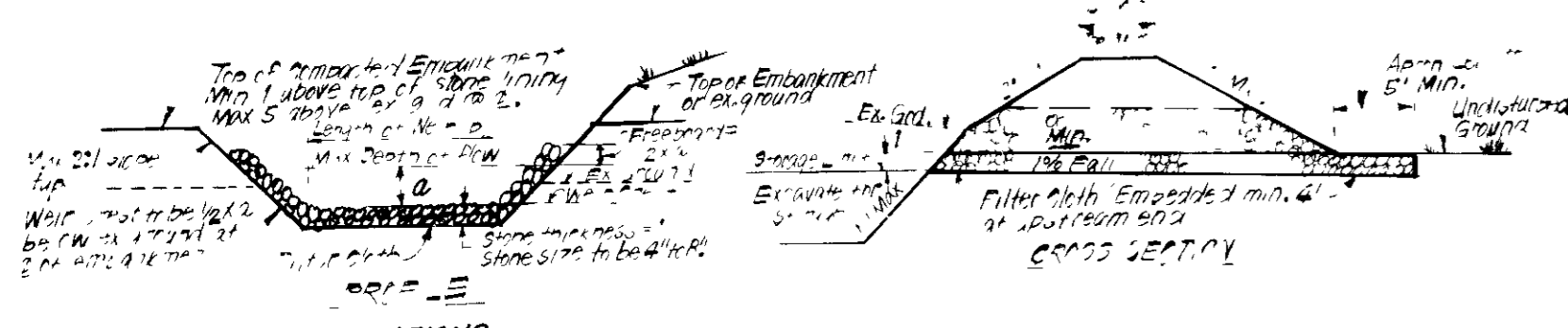
1. Stone size - Use 2" stone or reclaimed or recycled concrete equivalent
2. Length - As required, but not less than 50 feet except on a single residence lot where a 30 foot minimum length would apply
3. Thickness - Not less than six (6) inches
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5' slopes will be permitted
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, tracked, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device
9. Periodic inspection and needed maintenance shall be provided after each rain

STABILIZED CONSTRUCTION ENTRANCE (SCE) NO SCALE

CONSTRUCTION SEQUENCE

CONSTRUCTION SEQUENCE	N.O. of Days
1. Obtain grading permit.	7
2. Install Sediment and Erosion Control Measures. Ex Trap #4 to be repaired as necessary and utilized.	30
3. Excavate for foundations and rough grade.	30
4. Construct houses, driveways and walks. Houses on Lots 432 & 434 not to be constructed until permission to remove Ex Traps #2 & #4 has been obtained.	360
5. Fine grade and stabilize all disturbed areas onsite in accordance with Specs and Specs	30
6. Upon approval of the sediment control inspector remove sediment and erosion control measures and stabilize.	30

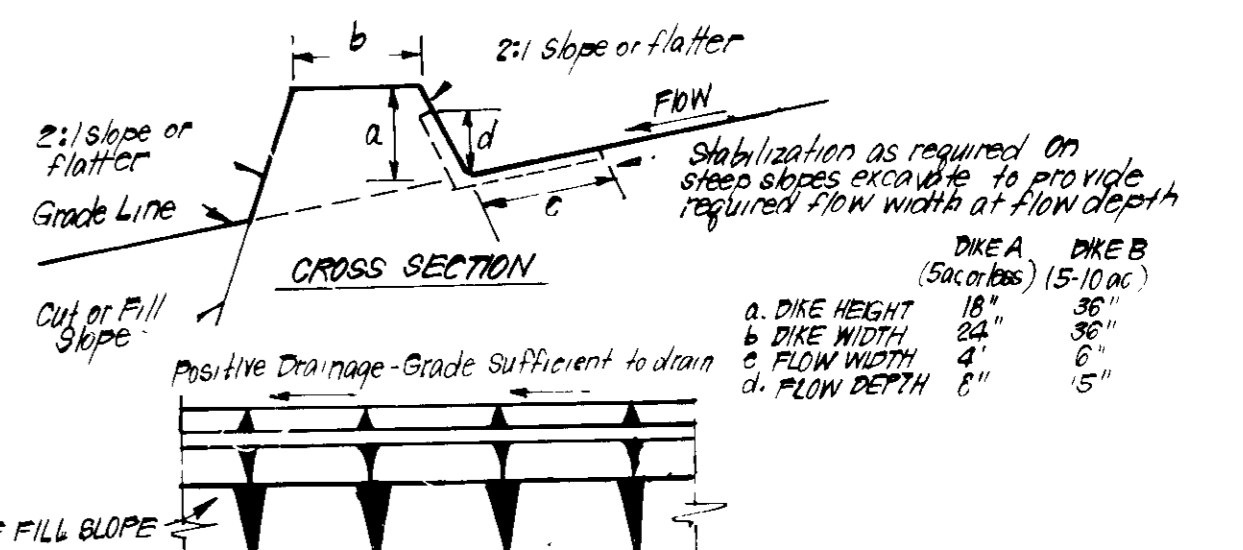
STRAW BALE DIKE DETAIL (SBD) NO SCALE



RIP-RAP OUTLET SEDIMENT TRAP - SF-VI NO SCALE

- CONSTRUCTION SPECIFICATIONS
1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be cleared.
  2. The fill material for the embankment shall be free of rocks or other woody vegetation as well as any sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with a roller while it is being constructed. Max height of embankment shall be 5' measured to top of embankment.
  3. All slopes shall be 2:1 or flatter's cut slopes 1:1 or flatter.
  4. Elevation of the top of any dike directing water into trap must equal or exceed height of embankment.
  5. Storage area provided shall be required by computing the volume available behind the outlet channel up to an elevation of 1' below the top of crest.
  6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least 1' with section nearest the entrance placed on top. Fabric shall be embedded at least 6" into existing ground at entrance of outlet channel.
  7. Stone used in the outlet channel shall be 2" or larger rip-rap to provide a filtering effect. A layer of filter cloth shall be embedded 1" back into the upstream face of the outlet stone or a 1" thick layer of 2" or finer aggregate shall be placed on the upstream face of the outlet.
  8. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
  9. The structure shall be inspected after each rain and repaired as needed.
  10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
  11. The structure shall be removed and the area stabilized when the drainage area that has been properly stabilized.
  12. Drainage area for this practice is limited to 1/2 acre or less.

RIP-RAP OUTLET SEDIMENT TRAP - SF-VI NO SCALE



EARTH DIKE DETAIL (E.D.) NO SCALE

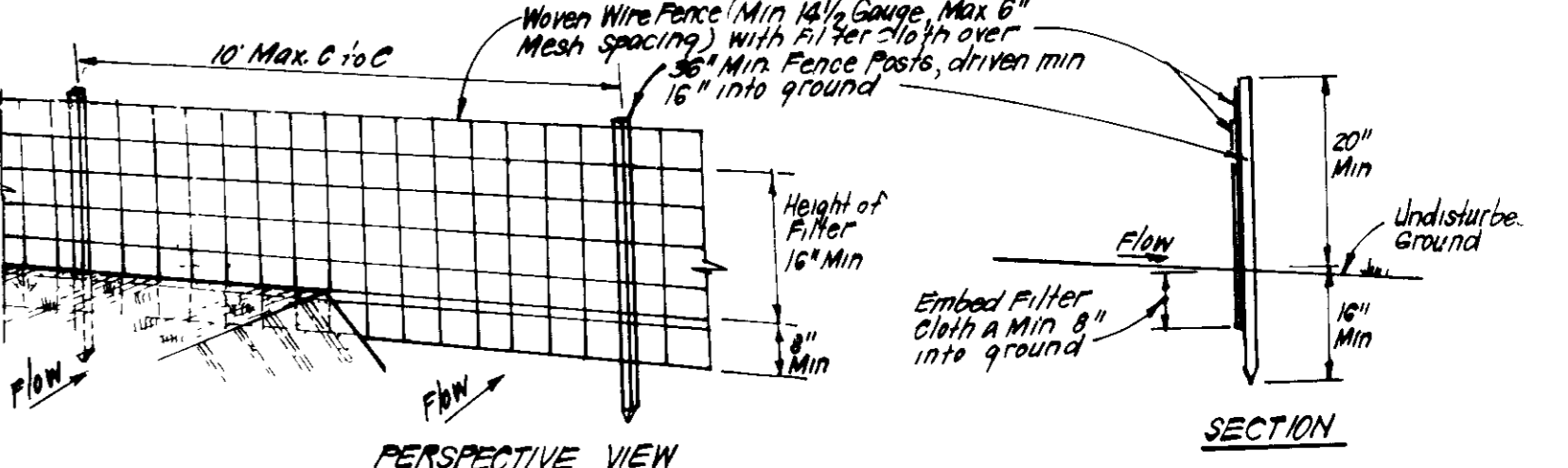
- CONSTRUCTION SPECIFICATIONS:
1. All dikes shall be compacted by earth-moving equipment
  2. All dikes shall have positive drainage to an outlet
  3. Top width may be wider and side slopes may be flatter if desired, to facilitate observing by construction traffic
  4. Field location should be adjusted as needed to utilize a stabilized safe outlet
  5. Earth dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized
  6. Stabilization shall be: (A) In accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (B) Flow channel as per chart below.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	0.5 - 3.0%	Seed & Straw Mulch	Seed or Straw Mulch
2	3.1 - 5.0%	Seed & Straw Mulch	Seed with or Excelsior, Sod, 2" Stone
3	5.1 - 8.0%	Seed with or Sod, 2" Stone	Lined Rip Rap 4"-8" Stone
4	8.1 - 20.0%	Lined Rip Rap 4"-8" Stone	Engineering Design

- A Stone to be 2" Stone, or recycled concrete equivalent, in a layer at least 3" thick and be pressed into soil with construction equipment
- B Rip Rap to be 4"-8" in a layer at least 8" thick, pressed into soil.
- C Appointed equivalents can be substituted for any of the above materials

EARTH DIKE DETAIL (E.D.) NO SCALE



SILT FENCE DETAIL (S) NO SCALE

- CONSTRUCTION SPECIFICATIONS:
1. Woven wire fence to be fastened securely to fence posts with wire ties or staples
  2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section
  3. When 2 sections of filter cloth adjoin each other they shall be overlapped by 6" and sealed
  4. Maintenance shall be performed as needed and material removed when "bulges" develop in Silt Fence

CONSTRUCTION SEQUENCE

CONSTRUCTION SEQUENCE	N.O. of Days
1. Obtain grading permit.	7
2. Install Sediment and Erosion Control Measures. Ex Trap #4 to be repaired as necessary and utilized.	30
3. Excavate for foundations and rough grade.	30
4. Construct houses, driveways and walks. Houses on Lots 432 & 434 not to be constructed until permission to remove Ex Traps #2 & #4 has been obtained.	360
5. Fine grade and stabilize all disturbed areas onsite in accordance with Specs and Specs	30
6. Upon approval of the sediment control inspector remove sediment and erosion control measures and stabilize.	30

DEVELOPER/BUILDERS CERTIFICATE

I hereby certify that all development and construction will be done in accordance with the plan for erosion and sediment control prepared by the responsible person involved in the construction of this project and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Signature: *Regina A. Morgan* Date: *8-8-88*

Reviewed for HOWARD SOIL CONSERVATION DISTRICT and District Technical requirements

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

THIS DEVELOPMENT PLAN IS APPROVED FOR THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Stephen J. Miller* Date: \_\_\_\_\_

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

Signature: \_\_\_\_\_ Date: *11-14-88*

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

Signature: \_\_\_\_\_ Date: *11-17-88*

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

Signature: \_\_\_\_\_ Date: *11-18-88*

Signature: \_\_\_\_\_ Date: *11-9-88*

APPROVED

DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

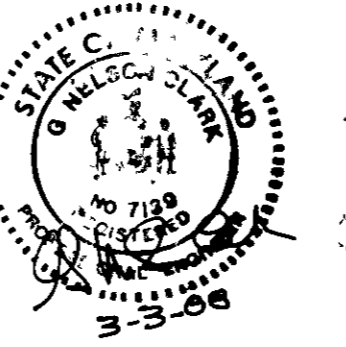
Signature: \_\_\_\_\_ Date: *10-6-88*

OWNER/DEVELOPER

OCEAN ATLANTIC

99 Canal Center Plaza # 210

Alexandria, VA 22304



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.

Signature: *Regina A. Morgan* Date: *3-3-88*

CLARK • FINEFROCK & SACKETT, INC

ENGINEERS • PLANNERS • SURVEYORS

COLUMBIA MD 21045 • (301) 271-1100

SEDIMENT AND EROSION CONTROL PLAN

LOTS 422 THRU 441

BURLEIGH MANOR

SECTION 3 AREA 4

2nd ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

FOR OCEAN ATLANTIC

99 CANAL CENTER PLAZA SUITE 210

ALEXANDRIA, VIRGINIA 22304

S.D.P.-88-165

AS SHOWN 5 of 5 88-005 88-0058E