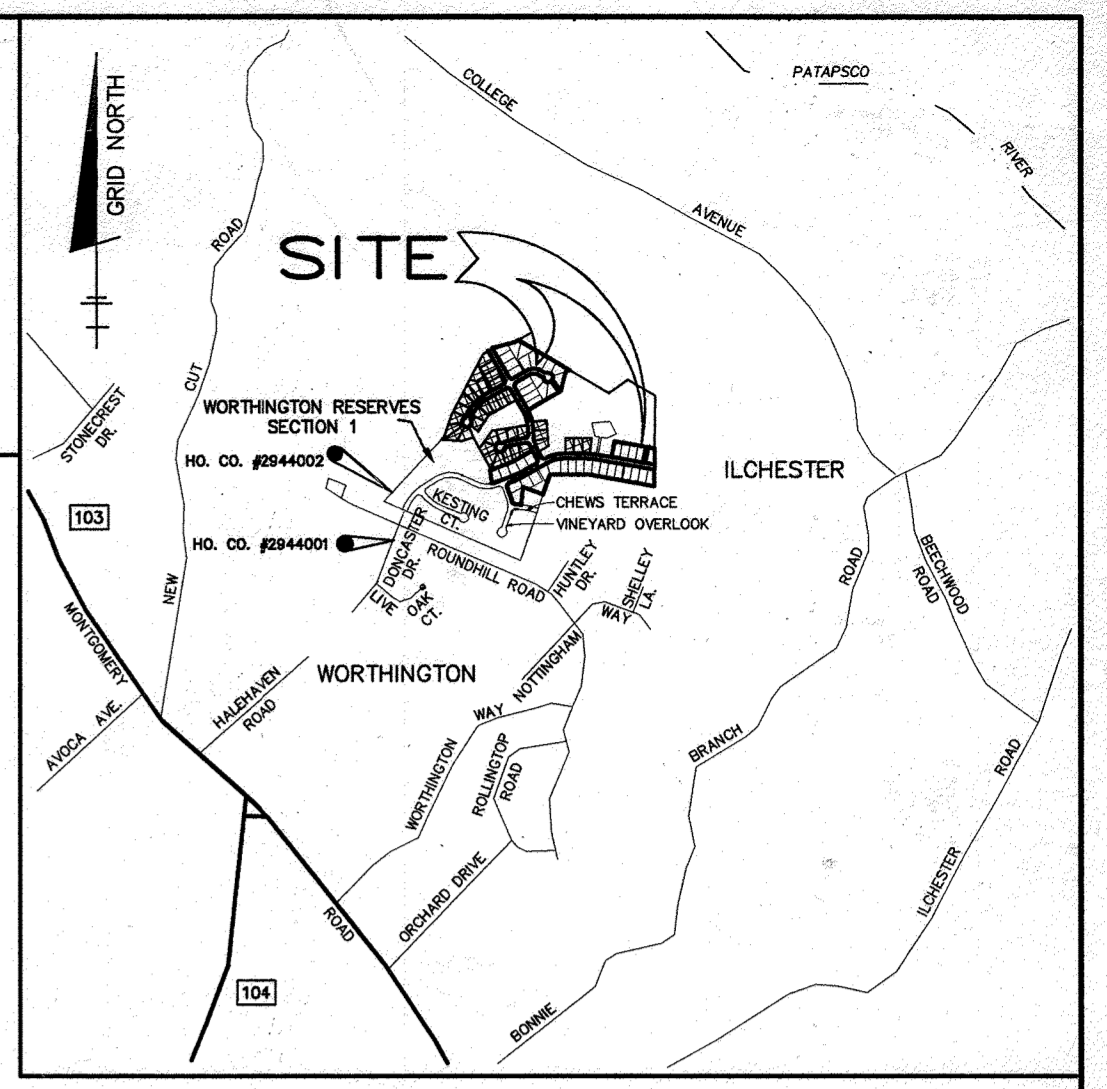


| MINIMUM LOT SIZE CHART | | | | | | |
|------------------------|-------------|---------------|----------------|--------------------|-----------|------------------|
| LOT NO | GROSS AREA | FLAGSTEM AREA | REMAINING AREA | 100 YR. FLOODPLAIN | 25% SLOPE | MINIMUM LOT SIZE |
| BB. | 17,257 S.F. | 3,257 S.F. | 14,000 S.F. | 0 | 0 | 14,000 S.F. |

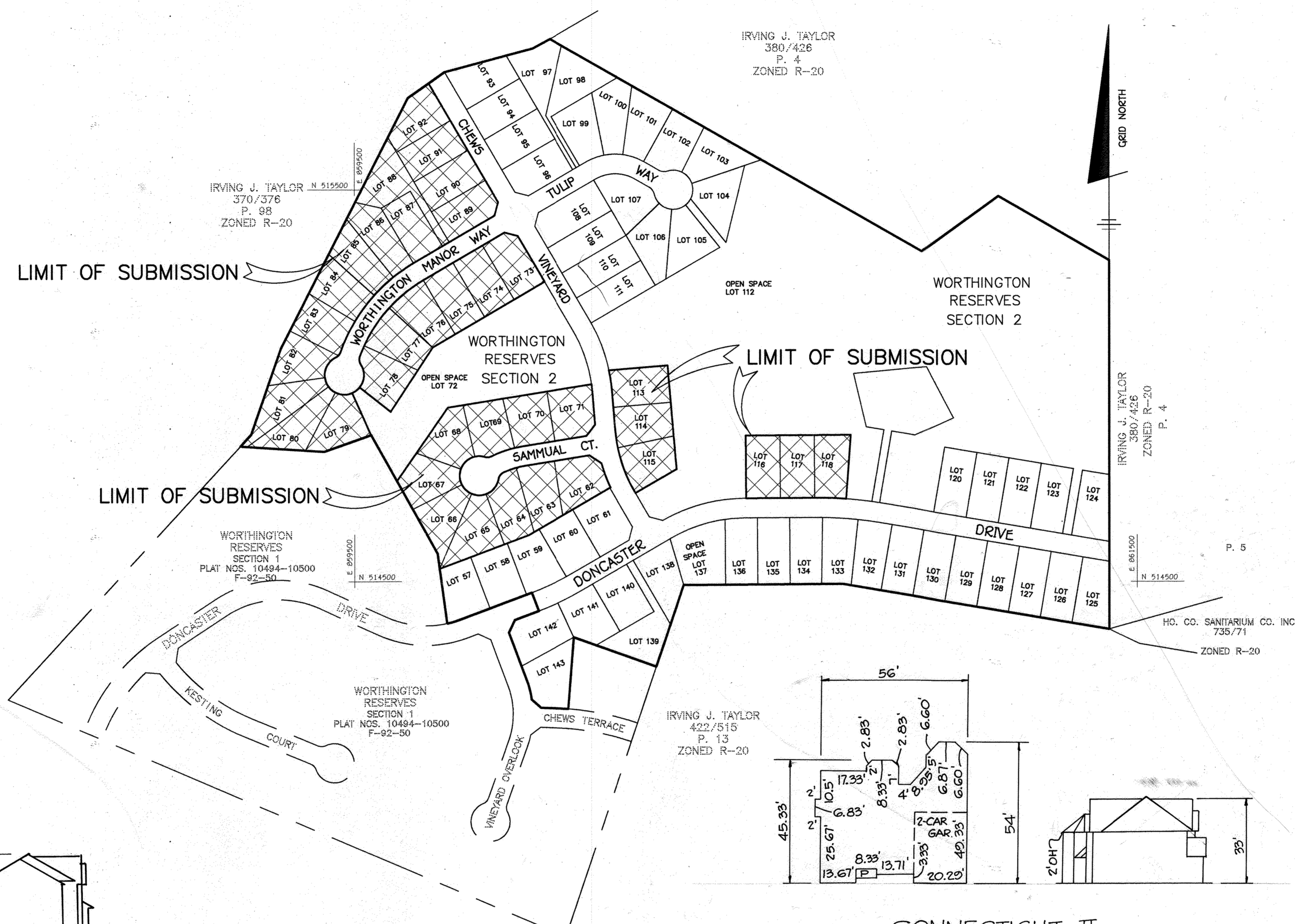
BENCH MARKS (NAD 27)
 HO. CO. #2944001 ELEV. 528.211
 CONC. MONUMENT AT SURFACE, ON THE EAST SIDE OF DONCASTER DRIVE SOUTH OF ROUNDHILL ROAD.
 N 513669.929 E 858664.268
 HO. CO. #2944002 ELEV. 535.366
 CONC. MONUMENT 0.1' ABOVE SURFACE, NEAR NE COR. OF LOT, HOUSE #4587 ROUNDHILL RD. 220' ± NORTH OF ROUNDHILL RD. CENTERLINE.
 N 514196.358 E 858596.389



GENERAL NOTES

- SUBJECT PROPERTY IS ZONED: R-20 PER 10-18-93 COMPREHENSIVE ZONING PLAN.
- THE TOTAL AREA INCLUDED IN THIS SUBMISSION IS 11,747 ACRES.
- THE TOTAL NUMBER OF LOTS INCLUDING IN THIS SUBMISSION IS 36. TOTAL BUILDABLE LOTS ARE 36.
- IMPROVEMENT TO THE PROPERTY: SINGLE FAMILY DETACHED.
- UTILITIES SHOWN AS EXISTING ARE TAKEN FROM APPROVED WATER AND SEWER PLAN CONTRACT #14-3160-D, #14-3358-D, AND #14-3375-D, AND APPROVED ROAD CONSTRUCTION PLANS F-92-50 AND F-94-102.
- ANY DAMAGE TO THE COUNTY/STATE OWNED RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S/BUILDER'S EXPENSE.
- THE EXISTING TOPOGRAPHY WAS TAKEN FROM ROAD CONSTRUCTION PLANS (F-94-102) AND SDP PLAN (SDP-95-09) PREPARED BY TSA GROUP, INC.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON MARYLAND GRID SYSTEM NAD-27 - HOWARD COUNTY MONUMENT NOS.: 2944001 AND 2944002.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING AND CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 24 HOURS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THE CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES AND EASEMENTS PRIOR TO THE CONSTRUCTION.
- FOR DRIVEWAY APRON DETAILS SEE HOWARD COUNTY DETAILS R-6.03 AND R-6.05.
- ALL ROADWAYS ARE PUBLIC AND EXISTING.
- NO WETLANDS EXISTS WITHIN THE LOTS OF THIS SUBMISSION.
- FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM AND ROAD RIGHT OF WAY LINE AND NOT TO THE FLAG OR PIPE STEM LOTS DRIVEWAY.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO THE RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 A.) WIDTH: 12' (6" SERVING MORE THAN ONE LOT)
 B.) SURFACE: 6" OF COMPACT CRUSHER RUN BASE W/TAR AND CHIP COATING.
 C.) GEOMETRY: MAX. 15% DRIVEWAY GRADE, MAX. 10% GRADE CHANGE.
 D.) WHERE COMMON DRIVEWAYS ARE PROPOSED, A HOUSE NUMBER SIGN SHALL BE PLACED AT EACH LOT ENTRANCE INDICATING THE RANGE OF STREET ADDRESS & HOUSE NUMBERS PLACED WHERE THE COMMON DRIVEWAY INTERSECTS WITH THE MAIN ROAD.
- STORMWATER MANAGEMENT FOR THIS SUBDIVISION IS PROVIDED BY (1.) A DETENTION FACILITY (CLASS "A" STRUCTURE) WITH UNDER WATER QUALITY INFILTRATION FACILITY AND (2.) AN EXTENDED DETENTION FACILITY/SWAMP MARSH FOR QUANTITY AND QUALITY CONTROL. ALL STORMWATER MANAGEMENT FACILITIES ARE TO BE PUBLICLY MAINTAINED. (SEE F-94-102)
- FLOODPLAIN STUDY COMPLIED BY TSA GROUP, INC. 9/92 AND APPROVED 10/26/93.
- WETLAND DELINEATION COMPLIED BY M.A. DIRCKS & CO., 9/92 AND APPROVED 10/26/93.
- TRAFFIC STUDY COMPLIED BY LEE CUNNINGHAM & ASSOC., 10/93 AT THE REQUEST OF THE DEPARTMENT OF PUBLIC WORKS.
- NOISE STUDY NOT REQUIRED FOR THIS PROJECT.
- GEOTECHNICAL REPORT COMPLIED BY ATEC ASSOC., INC. 10/92 AND APPROVED 10/26/93.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE WETLANDS. STREAM BUFFERS OR FOREST CONSERVATION AREAS EXCEPT FOR THE WORK ASSOCIATED WITH THE DONCASTER DRIVE AND CHEWS VINEYARD ROAD CROSSINGS AND STORMWATER MANAGEMENT FACILITIES AS REPRESENTED ON THE ROAD CONSTRUCTION PLANS (F-94-102).
- THE DEPT. OF PUBLIC WORKS, BUREAU OF ENGINEERING HAS MAINTAINED THE MAXIMUM LENGTH ALLOWED FOR A TEMPORARY NON-THROUGH STREET AND REQUIREMENT FOR A SECOND ACCESS AS SPECIFIED IN SECTION 1.5.1 "TEMPORARY NON-THROUGH STREET" OF THE HOWARD COUNTY DESIGN MANUAL, VOLUME II-ROAD AND BRIDGES.
- ON DEC. 8, 1993, THE PLANNING DIRECTOR APPROVED WP-94-01. THE REQUEST TO WAIVE SECTION 16.144 FOR SUBMISSION OF SKETCH AND PRELIMINARY PLANS, SECTION 16.145 FOR SKETCH PLAN AND SECTION 16.146 FOR PRELIMINARY PLAN REQUIREMENTS FOR THREE (3) LOTS IN ADDITION TO THE 128 LOTS APPROVED FOR THE DEVELOPMENT UNDER SKETCH PLAN 10-9-93 AND 131 BUILDABLE LOTS ALLOWED.
- STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY BUILDER AS APPROVED UNDER F-94-102.
- PORCHES OR DECKS, OPEN OR ENCLOSED, EXTERIOR STAIRWAYS CANNOT PROJECT MORE THAN 10' INTO THE REQUIRED FRONT OR REAR YARD SETBACK AREA.
- CONTRACTOR SHALL ADJUST ALL UTILITY APPURTENANCES TO FINISHED GRADE.
- STAKEOUT OF BUILDING SHOWN HEREON SHALL BE BASED ON APPROVED SDP AND RECORDED RECORD PLATS.
- 100 YEAR FLOODPLAIN, DRAINAGE & UTILITY EASEMENT IS LOCATED 120' ± AT THE BACK OF LOTS 113 & 114.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$1,800.00.

34. EXTERIOR STAIRWAYS MUST BE IN ACCORDANCE WITH SECTION 128 OF THE ZONING REGULATIONS (§ 128.A.1.b).



HOUSE MATRIX FOR LOTS 68-69,78-86,113-114

| LOT NO. | BOX TYPE | DELAWARE | CONNECTICUT | VILLA NOVA II | CONNECTICUT II |
|---------|----------|----------|-------------|---------------|----------------|
| 68 | D | Y,2,3 * | Y,2,6 * | Y,2,3 * | N |
| 69 | D | Y,1,3 | Y,1,6 | Y,1,3 | N |
| 78 | D1 | Y,2,3 * | Y,2,6 * | Y,2,3 * | N |
| 79 | B | N | Y,1,6 | N | N |
| 80 | B1 | Y,2 | Y,2,6 | N | N |
| 81 | B2 | N | N | N | N |
| 82 | E | Y,2,3 | Y,2,3 | Y,2 | Y,2,7 |
| 83 | E | Y,2,3 * | Y,2,3 * | Y,2 * | Y,2,7 * |
| 84 | E | Y,2,3 * | Y,2,3 * | Y,2 * | Y,2,7 * |
| 85 | B | Y,2,13 | Y,2,6 | N | N |
| 86 | B | Y,2,13 | Y,2,6 | N | N |
| 113 | F | Y,1 * | Y,1 * | N | Y,1 * |
| 114 | D | Y,1,3 * | Y,1,6 * | Y,1 * | Y,1 * |

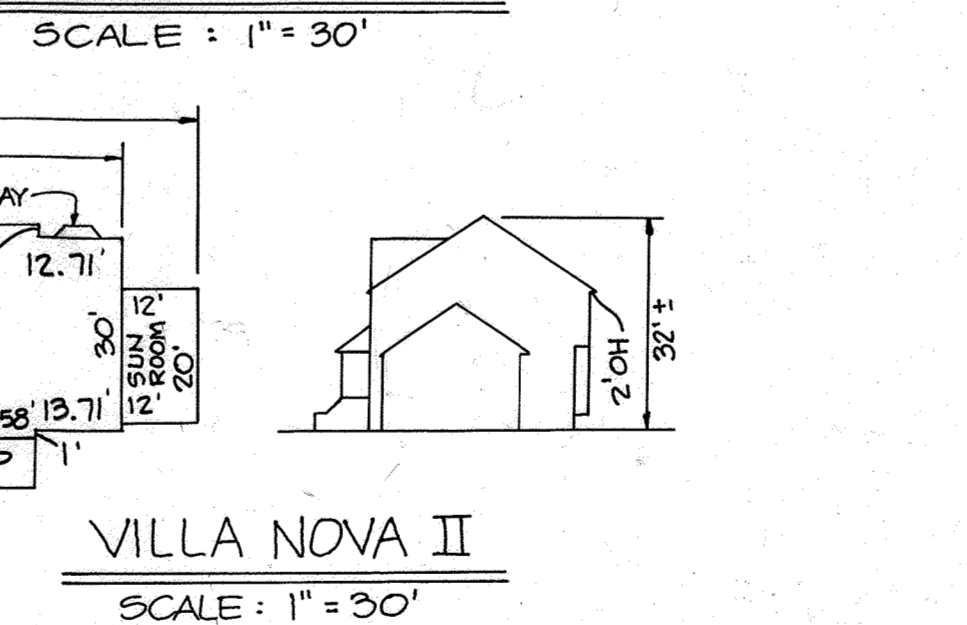
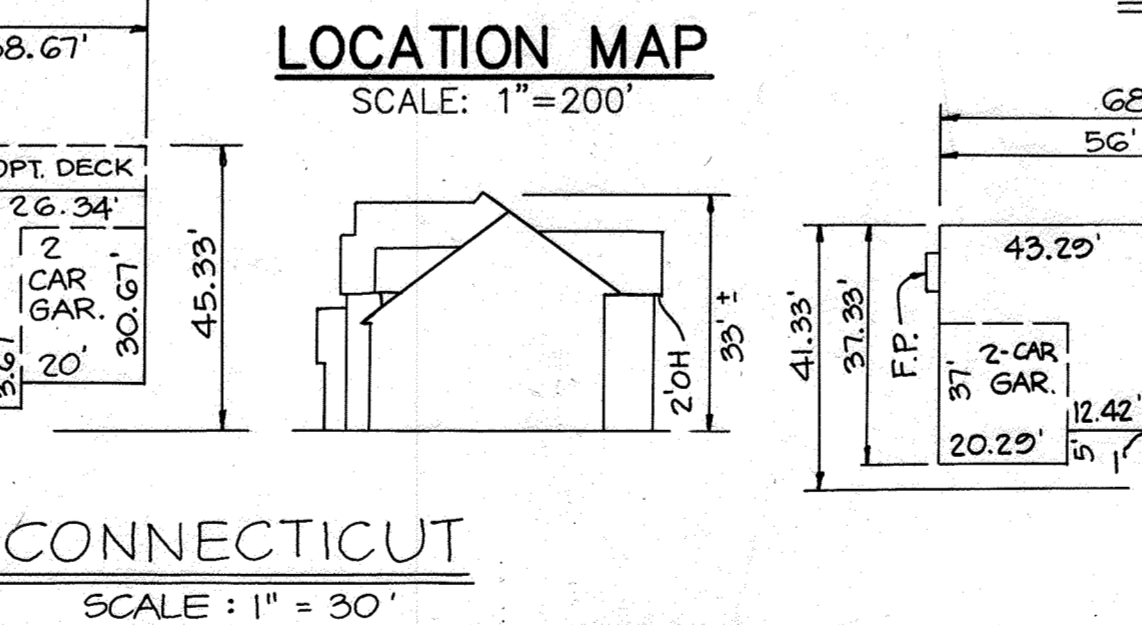
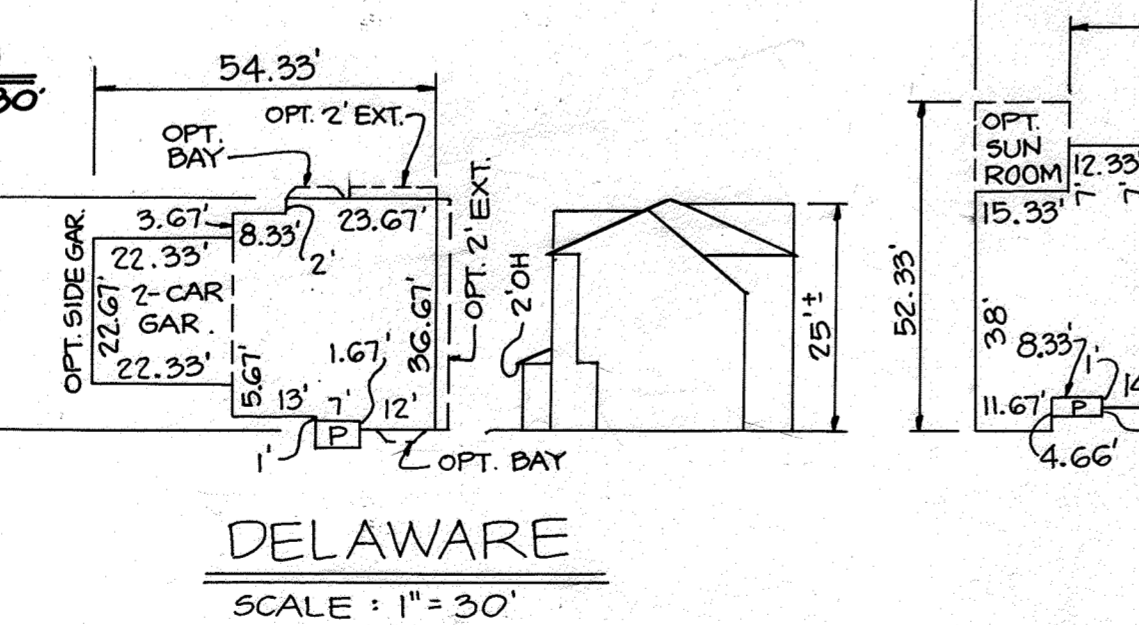
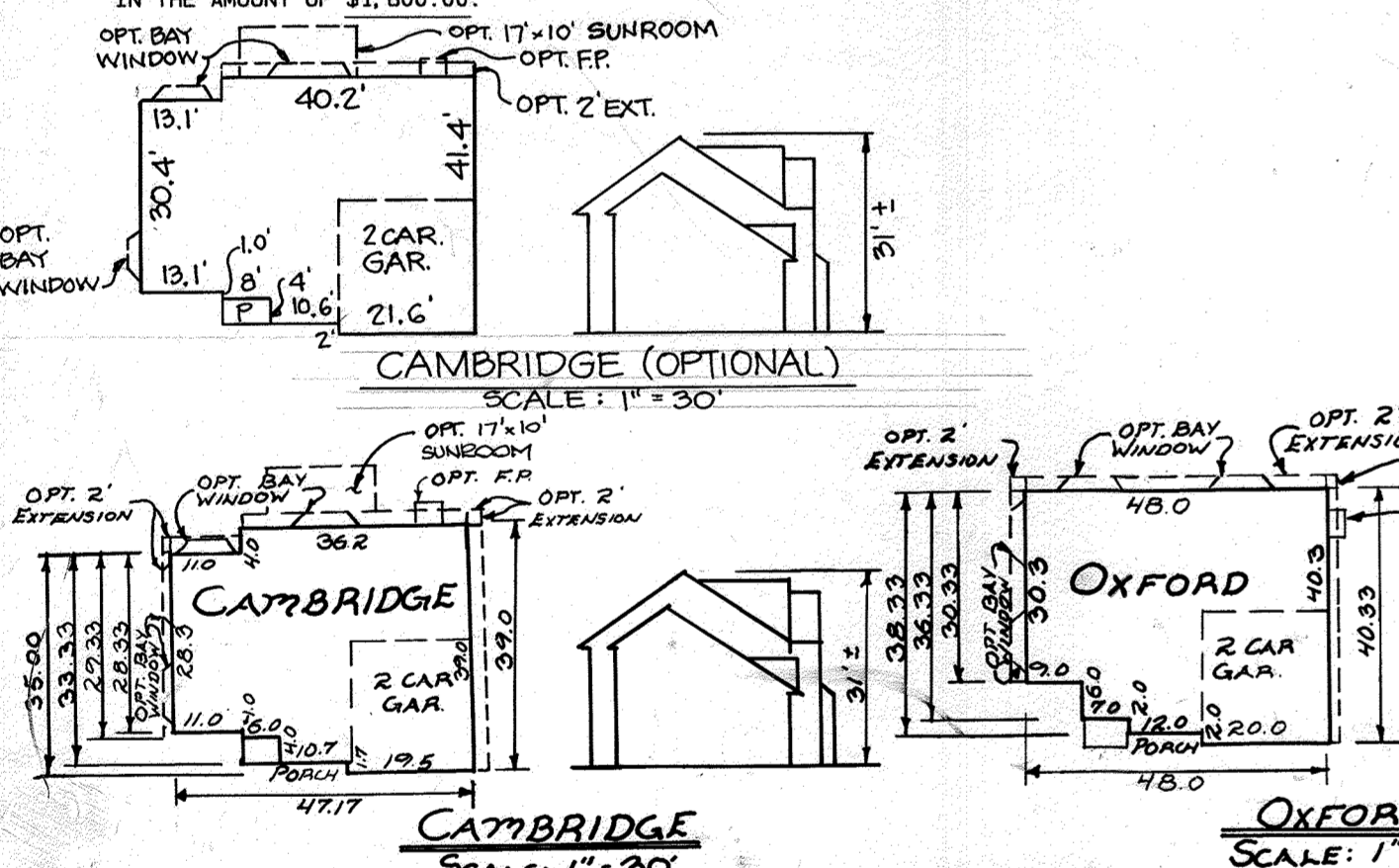
FOR OPTIONS LIST SEE SHEET 2 OF 9
 * DENOTES WALKOUT BASEMENT

| | | |
|---|----------|------------------------|
| 6 | 6-1-98 | CHANGE ADDRESS LOT 89. |
| 5 | 10-21-97 | CHANGE ADDRESS LOT 62. |
| 4 | 5-7-97 | ADDED GEN'L NOTE # 34 |
| 3 | 1-20-97 | RESITE LOT 70 |

ADDRESS CHART

| LOT NUMBER | STREET ADDRESS | LOT NUMBER | STREET ADDRESS |
|------------|----------------------------|------------|----------------------------|
| 62 | 4503 SAMMUAL COURT | 81 | 4532 WORTHINGTON MANOR WAY |
| 63 | 4507 SAMMUAL COURT | 82 | 4528 WORTHINGTON MANOR WAY |
| 64 | 4511 SAMMUAL COURT | 83 | 4524 WORTHINGTON MANOR WAY |
| 65 | 4515 SAMMUAL COURT | 84 | 4520 WORTHINGTON MANOR WAY |
| 66 | 4519 SAMMUAL COURT | 85 | 4516 WORTHINGTON MANOR WAY |
| 67 | 4523 SAMMUAL COURT | 86 | 4512 WORTHINGTON MANOR WAY |
| 68 | 4527 SAMMUAL COURT | 87 | 4508 WORTHINGTON MANOR WAY |
| 69 | 4531 SAMMUAL COURT | 88 | 4504 WORTHINGTON MANOR WAY |
| 70 | 4535 SAMMUAL COURT | 89 | 4500 WORTHINGTON MANOR WAY |
| 71 | 4539 SAMMUAL COURT | 90 | 4537 CHEWS VINEYARD |
| 72 | OPEN SPACE | 91 | 4541 CHEWS VINEYARD |
| 73 | 4501 WORTHINGTON MANOR WAY | 92 | 4545 CHEWS VINEYARD |
| 74 | 4505 WORTHINGTON MANOR WAY | 112 | OPEN SPACE |
| 75 | 4509 WORTHINGTON MANOR WAY | 113 | 4510 CHEWS VINEYARD |
| 76 | 4513 WORTHINGTON MANOR WAY | 114 | 4506 CHEWS VINEYARD |
| 77 | 4517 WORTHINGTON MANOR WAY | 115 | 4502 CHEWS VINEYARD |
| 78 | 4521 WORTHINGTON MANOR WAY | 116 | 4498 DONCASTER DRIVE |
| 79 | 4525 WORTHINGTON MANOR WAY | 117 | 4492 DONCASTER DRIVE |
| 80 | 4529 WORTHINGTON MANOR WAY | 118 | 4488 DONCASTER DRIVE |

| | | |
|---------|---------|-----------------------------|
| 3 | 4-25-97 | ADDED USE TYPE |
| 2 | 4-23-96 | ADD 2 HOUSE TYPES TO MATRIX |
| 1 | 12-6-95 | ADD 4 HOUSE TYPES TO MATRIX |
| NO DATE | | REVISION |



MIN. CELLAR ELEVATION ***

| LOT NO. | SHC INVERT @ E | MIN. CELLAR ELEVATION | LOT NO. | SHC INVERT @ E | MIN. CELLAR ELEVATION |
|---------|----------------|-----------------------|---------|----------------|-----------------------|
| 62 | 440.5 | 445.3 | 81 | 459.1 | 454.6 |
| 63 | 445.1 | 450.4 | 82 | 458.7 | 453.0 |
| 64 | 451.5 | 456.9 | 83 | 457.0 | 461.8 |
| 65 | 455.3 | 461.0 | 84 | 455.7 | 460.8 |
| 66 | 455.4 | 460.8 | 85 | 453.4 | 459.0 |
| 67 | 455.5 | 460.5 | 86 | 451.2 | 457.3 |
| 68 | 455.5 | 460.5 | 87 | 447.9 | 453.2 |
| 69 | 449.2 | 454.1 | 88 | 445.9 | 453.7 |
| 70 | 445.1 | 449.9 | 89 | 437.9* | 441.8 |
| 71 | 440.4 | 445.0 | 90 | 440.0* | 443.9 |
| 73 | 435.8 | 440.3 | 91 | 442.1* | 446.0 |
| 74 | 443.5 | 448.8 | 92 | 444.7 | 449.8 |
| 75 | 447.4 | 457.7 | 113 | 432.9* | 436.7 |
| 76 | 452.18 | 457.3 | 114 | 432.5 | 437.4 |
| 77 | 456.0 | 461.1 | 115 | 431.8 | 436.7 |
| 78 | 457.6 | 462.4 | 116 | 428.7 | 433.9 |
| 79 | 458.1 | 463.1 | 117 | 428.1 | 433.7 |
| 80 | 458.9 | 464.8 | 118 | 427.6 | 432.8 |

NOTES: * DENOTES 1.0% SLOPE FOR SHC
 ** DATA FROM WATER AND SEWER CONT.#14-3358-D & #14-3375-D, AND CONT.#14-3160-D.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: *[Signature]* 1/24/95
 Director: *[Signature]* 1/23/95

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
 Director: *[Signature]* 1/17/95
 Chief, Bureau of Engineering: *[Signature]* 1/17/95

SHEET INDEX

| SHEET NO. | TITLE |
|-----------|--|
| 1 | GENERIC SITE DEVELOPMENT PLAN (COVER SHEET) |
| 2 | GENERIC SITE DEVELOPMENT PLAN (HOUSE MATRIX & HOUSE TYPES) |
| 3 | GENERIC SITE DEVELOPMENT PLAN (CHEWS VINEYARD & WORTHINGTON MANOR WAY) |
| 4 | GENERIC SITE DEVELOPMENT PLAN (SAMMUAL COURT & WORTHINGTON MANOR WAY) |
| 5 | GENERIC SITE DEVELOPMENT PLAN (DONCASTER DR. & CHEWS VINEYARD) |
| 6 | SEDIMENT & EROSION CONTROL PLAN (CHEWS VINEYARD & WORTHINGTON MANOR WAY) |
| 7 | SEDIMENT & EROSION CONTROL PLAN (SAMMUAL COURT & WORTHINGTON MANOR WAY) |
| 8 | SEDIMENT & EROSION CONTROL PLAN (DONCASTER DR. & CHEWS VINEYARD) |
| 9 | SEDIMENT & EROSION CONTROL NOTES AND DETAILS |
| 10 | SITE DEVELOPMENT LOTS 113-118 |
| 11 | SEDIMENT CONTROL NOTES |

PERMIT INFORMATION CHART

| | | | | |
|--|-----------------|----------------------------------|--|------------------|
| SUBDIVISION NAME: WORTHINGTON RESERVES SECTION 2 LOTS 62-71,73-92, & 113-118 | | | | |
| SECTION: 2 | PARCEL #: 3 | LIBER & FOLIO: 3288/239 2549/323 | PREVIOUS FILE: S-89-50,P-93-09 F-94-102,WP-94-01 F-92-50 | |
| PLAT No. 11387 TO 11403 | BLOCK No. 2 & 3 | ZONE: R-20 | TAX MAP: 31 | ELEC. DIST.: 2nd |
| WATER CODE: G01 | | SEWER CODE: 1257013 | | |
| SCALE: AS SHOWN | DATE: NOV, 1994 | | | |

TSA GROUP, INC.
 planning • architecture • engineering
 6480 Baltimore National Pike • Ellicott City, Maryland 21045 • (410) 485-6105

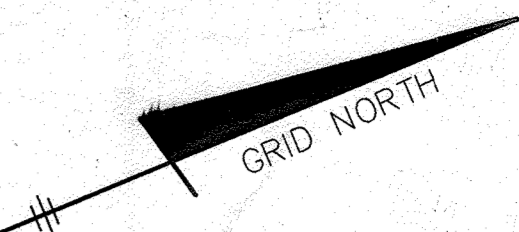
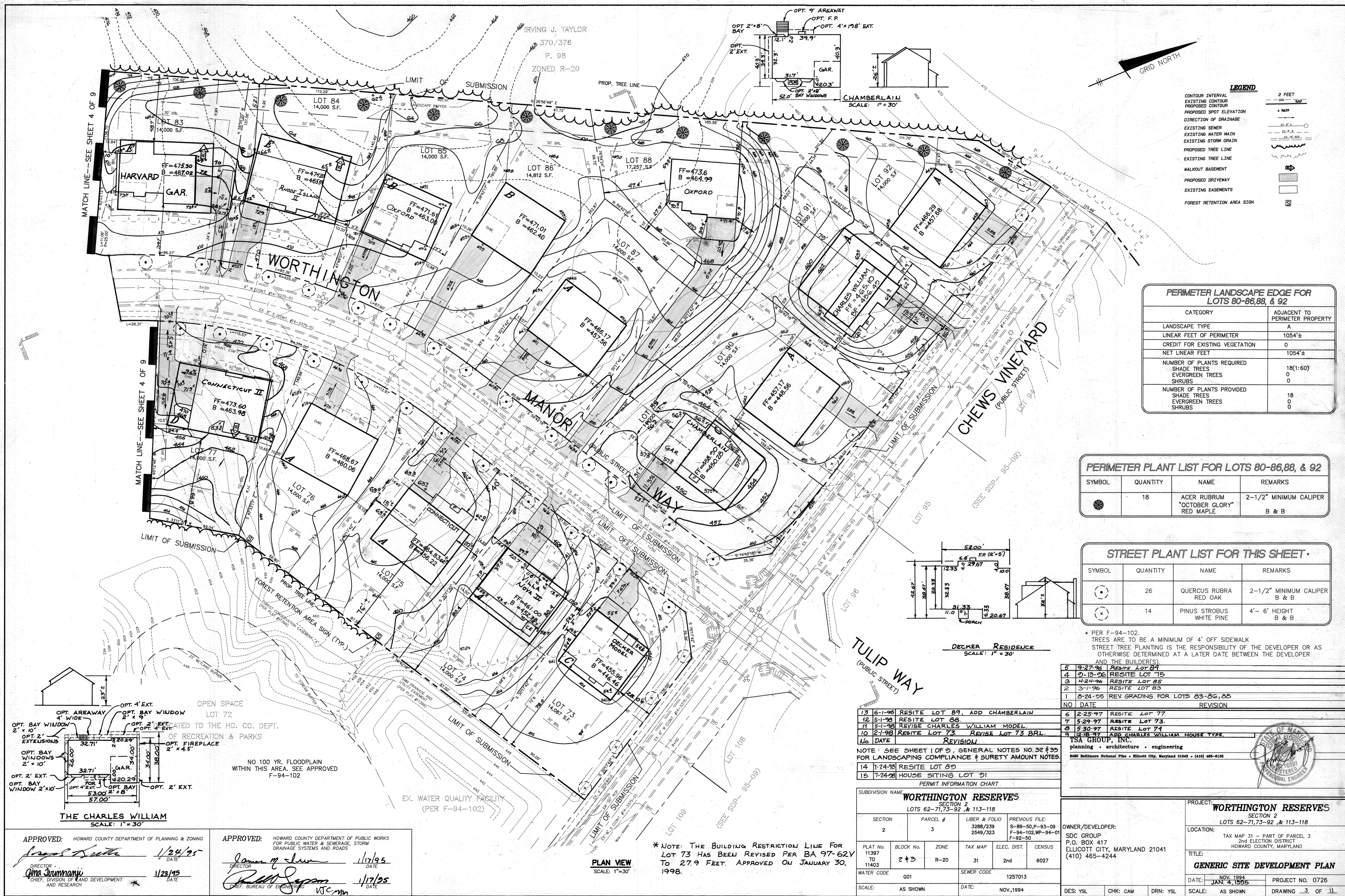
OWNER/DEVELOPER: SDC GROUP P.O. BOX 417 ELICOTT CITY, MARYLAND 21041 (410) 465-4244

PROJECT: WORTHINGTON RESERVES SECTION 2 LOTS 62-71,73-92, & 113-118

LOCATION: TAX MAP 31 - PART OF PARCEL 3 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: GENERIC SITE DEVELOPMENT PLAN (COVER SHEET)

DATE: NOV, 1994 PROJECT NO. 0726
 JAN. 4, 1995 DRAWING NO. OF 11



LEGEND

| | |
|----------------------------|------------------------------------|
| CONTOUR INTERVAL | 2 FEET |
| EXISTING CONTOUR | (Symbol: dashed line with dots) |
| PROPOSED CONTOUR | (Symbol: solid line with dots) |
| PROPOSED SPOT ELEVATION | (Symbol: small circle with number) |
| DIRECTION OF DRAINAGE | (Symbol: arrow) |
| EXISTING SEWER | (Symbol: line with 'S') |
| EXISTING WATER MAIN | (Symbol: line with 'W') |
| EXISTING STORM DRAIN | (Symbol: line with 'SD') |
| PROPOSED TREE LINE | (Symbol: dashed line) |
| EXISTING TREE LINE | (Symbol: solid line) |
| WALKOUT BASEMENT | (Symbol: rectangle with 'WB') |
| PROPOSED DRIVEWAY | (Symbol: rectangle with 'D') |
| EXISTING EASEMENTS | (Symbol: rectangle with 'E') |
| FOREST RETENTION AREA SIGN | (Symbol: square with 'S') |

PERIMETER LANDSCAPE EDGE FOR LOTS 80-86, 88, & 92

| CATEGORY | ADJACENT TO PERIMETER PROPERTY |
|--------------------------------|--------------------------------|
| LANDSCAPE TYPE | A |
| LINEAR FEET OF PERIMETER | 1054'± |
| CREDIT FOR EXISTING VEGETATION | 0 |
| NET LINEAR FEET | 1054'± |
| NUMBER OF PLANTS REQUIRED | |
| SHADE TREES | 18(1:60) |
| EVERGREEN TREES | 0 |
| SHRUBS | 0 |
| NUMBER OF PLANTS PROVIDED | |
| SHADE TREES | 18 |
| EVERGREEN TREES | 0 |
| SHRUBS | 0 |

PERIMETER PLANT LIST FOR LOTS 80-86, 88, & 92

| SYMBOL | QUANTITY | NAME | REMARKS |
|---------------------------|----------|---------------------------------------|------------------------------|
| (Symbol: circle with dot) | 18 | ACER RUBRUM "OCTOBER GLORY" RED MAPLE | 2-1/2" MINIMUM CALIPER B & B |

STREET PLANT LIST FOR THIS SHEET

| SYMBOL | QUANTITY | NAME | REMARKS |
|--------------------------------|----------|--------------------------|------------------------------|
| (Symbol: circle with dot) | 26 | QUERCUS RUBRA RED OAK | 2-1/2" MINIMUM CALIPER B & B |
| (Symbol: circle with asterisk) | 14 | PINUS STROBUS WHITE PINE | 4'- 6' HEIGHT B & B |

* PER F-94-102. TREES ARE TO BE A MINIMUM OF 4' OFF SIDEWALK STREET TREE PLANTING IS THE RESPONSIBILITY OF THE DEVELOPER OR AS OTHERWISE DETERMINED AT A LATER DATE BETWEEN THE DEVELOPER AND THE BUILDER(S).

REVISION

| NO. | DATE | REVISION |
|-----|---------|--------------------------------|
| 5 | 9-27-96 | RESITE LOT 84 |
| 4 | 9-19-96 | RESITE LOT 75 |
| 3 | 4-24-96 | RESITE LOT 85 |
| 2 | 3-1-96 | RESITE LOT 83 |
| 1 | 8-24-95 | REV GRADING FOR LOTS 83-86, 88 |

PERMIT INFORMATION CHART

| NO. | DATE | REVISION |
|-----|----------|----------------------------------|
| 13 | 6-1-98 | RESITE LOT 89, ADD CHAMBERLAIN |
| 12 | 5-1-98 | RESITE LOT 88 |
| 11 | 5-1-98 | REVISE CHARLES WILLIAM MODEL |
| 10 | 2-1-98 | RESITE LOT 73, REVISE LOT 73 BRL |
| 9 | 12-18-97 | ADD CHARLES WILLIAM HOUSE TYPE |
| 8 | 5-30-97 | RESITE LOT 74 |
| 7 | 5-29-97 | RESITE LOT 73 |
| 6 | 2-25-97 | RESITE LOT 77 |
| 5 | 9-27-96 | RESITE LOT 84 |

WORTHINGTON RESERVES

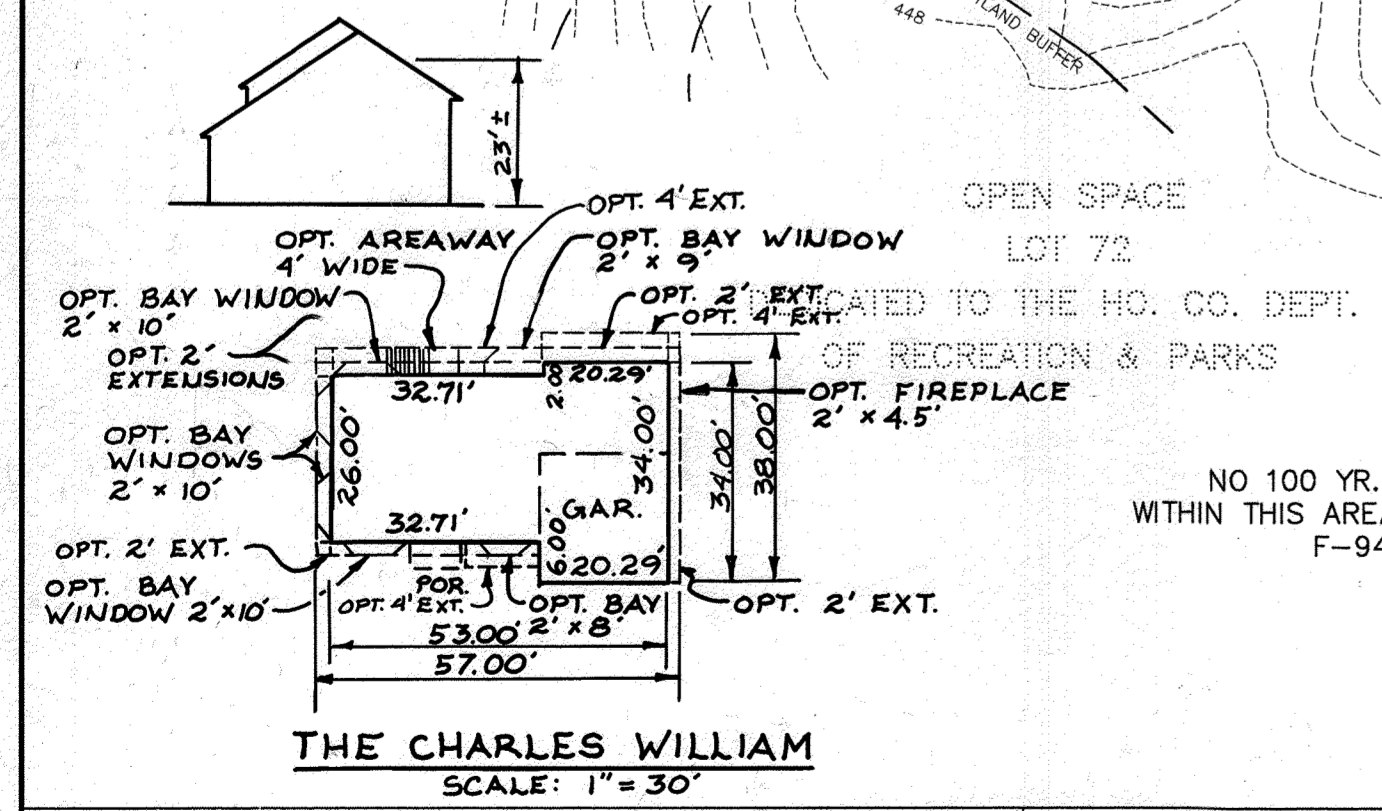
| SECTION | PARCEL # | LIBER & FOLIO | PREVIOUS FILE: |
|---------|----------|-------------------|---|
| 2 | 3 | 3288/239 2549/323 | S-89-50, P-93-09 F-94-102, WP-94-01 F-92-50 |

| PLAT No. | BLOCK No. | ZONE | TAX MAP | ELEC. DIST. | CENSUS |
|----------------|-----------|------|---------|-------------|--------|
| 11387 TO 11403 | 2 & 3 | R-20 | 31 | 2nd | 6027 |

WATER CODE: G01 SEWER CODE: 1257013
 SCALE: AS SHOWN DATE: NOV, 1994

OWNER/DEVELOPER:
 SDC GROUP
 P.O. BOX 417
 ELLICOTT CITY, MARYLAND 21041
 (410) 465-4244

PROJECT: WORTHINGTON RESERVES SECTION 2
 LOCATION: TAX MAP 31 - PART OF PARCEL 3 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 TITLE: GENERIC SITE DEVELOPMENT PLAN
 DATE: NOV 1994 PROJECT NO. 0726
 JAN. 4, 1995 DRAWING 3 OF 11
 SCALE: AS SHOWN



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 Director: *Anna Stummank* 1/24/95
 Chief, Division of Land Development and Research

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
 Director: *James M. Sherr* 1/17/95
 Chief, Bureau of Engineering: *WTC* 1/17/95

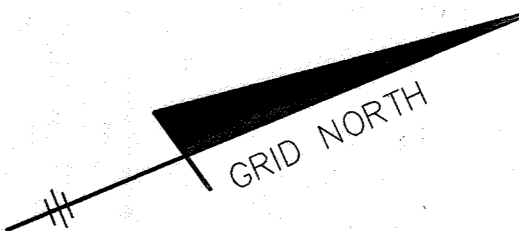
* NOTE: THE BUILDING RESTRICTION LINE FOR LOT 73 HAS BEEN REVISED PER BA 97-62Y TO 27.9 FEET. APPROVED ON JANUARY 30, 1998.

PLAN VIEW
 SCALE: 1" = 30'

DELAY CONSTRUCTION ON LOT 83 UNTIL ALL CONTRIBUTING DRAINAGE AREA TO TRAP #1 HAS BEEN STABILIZED AND TRAP IS REMOVED.

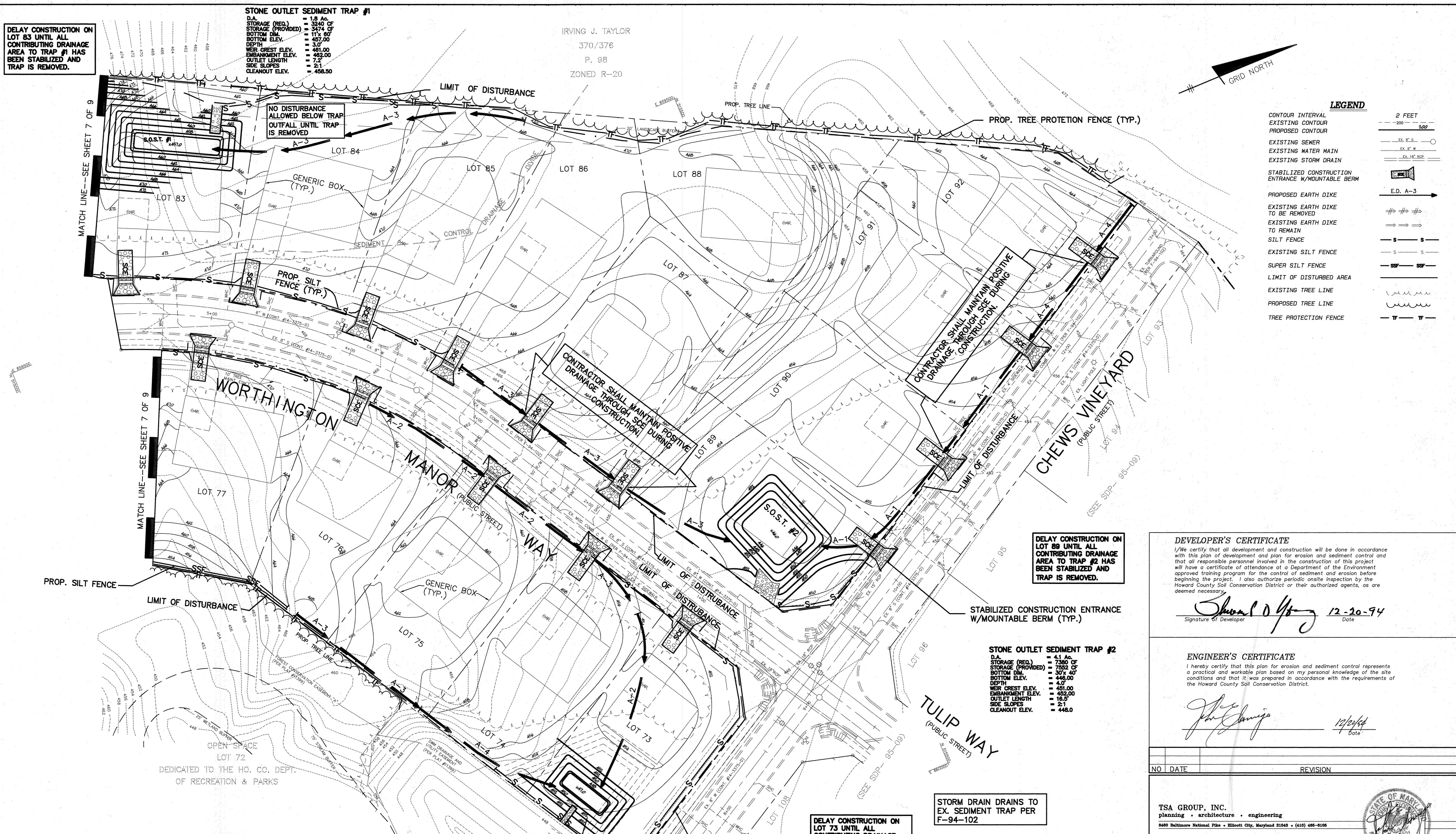
STONE OUTLET SEDIMENT TRAP #1
 D.A. = 1.8 AC.
 STORAGE (REQ.) = 3242 CF
 STORAGE (PROVIDED) = 3474 CF
 BOTTOM DIM. = 11'x 60'
 BOTTOM ELEV. = 457.00
 DEPTH = 3.0'
 WEIR CREST ELEV. = 461.00
 EMBANKMENT ELEV. = 462.00
 OUTLET LENGTH = 21'
 SIDE SLOPES = 2:1
 CLEANOUT ELEV. = 458.50

IRVING J. TAYLOR
 370/376
 P. 98
 ZONED R-20



LEGEND

- CONTOUR INTERVAL 2 FEET
- EXISTING CONTOUR - - - - -
- PROPOSED CONTOUR - - - - -
- EXISTING SEWER - - - - -
- EXISTING WATER MAIN - - - - -
- EXISTING STORM DRAIN - - - - -
- STABILIZED CONSTRUCTION ENTRANCE W/MOUNTABLE BERM [Symbol]
- PROPOSED EARTH DIKE E.D. A-3 [Symbol]
- EXISTING EARTH DIKE TO BE REMOVED [Symbol]
- EXISTING EARTH DIKE TO REMAIN [Symbol]
- SILT FENCE [Symbol]
- EXISTING SILT FENCE [Symbol]
- SUPER SILT FENCE [Symbol]
- LIMIT OF DISTURBED AREA [Symbol]
- EXISTING TREE LINE [Symbol]
- PROPOSED TREE LINE [Symbol]
- TREE PROTECTION FENCE [Symbol]



DELAY CONSTRUCTION ON LOT 89 UNTIL ALL CONTRIBUTING DRAINAGE AREA TO TRAP #2 HAS BEEN STABILIZED AND TRAP IS REMOVED.

STONE OUTLET SEDIMENT TRAP #2
 D.A. = 4.1 AC.
 STORAGE (REQ.) = 7380 CF
 STORAGE (PROVIDED) = 7582 CF
 BOTTOM DIM. = 30'x 40'
 BOTTOM ELEV. = 448.00
 DEPTH = 4.0'
 WEIR CREST ELEV. = 451.00
 EMBANKMENT ELEV. = 452.00
 OUTLET LENGTH = 16.5'
 SIDE SLOPES = 2:1
 CLEANOUT ELEV. = 448.0

DELAY CONSTRUCTION ON LOT 73 UNTIL ALL CONTRIBUTING DRAINAGE AREA TO TRAP #5 HAS BEEN STABILIZED AND TRAP & DIKE ARE REMOVED.

PROP. STONE OUTLET SEDIMENT TRAP #3
 PER THIS SDP
 D.A. = 1.1 AC.
 STORAGE (REQ.) = 1980 CF
 STORAGE (PROVIDED) = 2076 CF
 BOTTOM DIM. = 10' x 35'
 BOTTOM ELEV. = 447.00
 DEPTH = 3.0'
 WEIR CREST ELEV. = 451.0
 EMBANKMENT ELEV. = 452.00
 WEIR LENGTH = 4.0'
 CLEANOUT ELEV. = 449.0
 SIDE SLOPES = 2:1

STORM DRAIN DRAINS TO EX. SEDIMENT TRAP PER F-94-102

PERMIT INFORMATION CHART

| | | | | |
|--|---------------|-----------------------------------|--|-----------------|
| SUBDIVISION NAME: WORTHINGTON RESERVE'S | | | | |
| SECTION 2: LOTS 62-71, 73-92, & 113-118 | | | | |
| SECTION: 2 | PARCEL #: 3 | LIBER & FOLIO: 3288/239, 2549/323 | PREVIOUS FILE: S-89-50, P-93-09, F-94-102, WP-94-01, F-92-50 | |
| PLAT No. TO: 11403 | BLOCK No. 243 | ZONE R-20 | TAX MAP 31 | ELEC. DIST. 2nd |
| WATER CODE: G01 | | SEWER CODE: 1257013 | | |
| SCALE: AS SHOWN | | DATE: NOV, 1994 | | |

DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this project will have a certificate of attendance at a Department of the Environment approved training program for the control of erosion and sediment before beginning the project. I also authorize periodic onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.
 Signature of Developer: *Shawn D. Young* Date: 12-20-94

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 County Soil Conservation District.
 Signature: *John G. Gungo* Date: 12/20/94

| | |
|---------|----------|
| NO DATE | REVISION |
|---------|----------|

TSA GROUP, INC.
 planning • architecture • engineering
 6400 Baltimore National Pike • Ellicott City, Maryland 21043 • (410) 465-6106

APPROVED: [Signature] 1/9/95
 U. S. SOIL CONSERVATION SERVICE

APPROVED: [Signature] 1/9/95
 HOWARD SOIL CONSERVATION DISTRICT

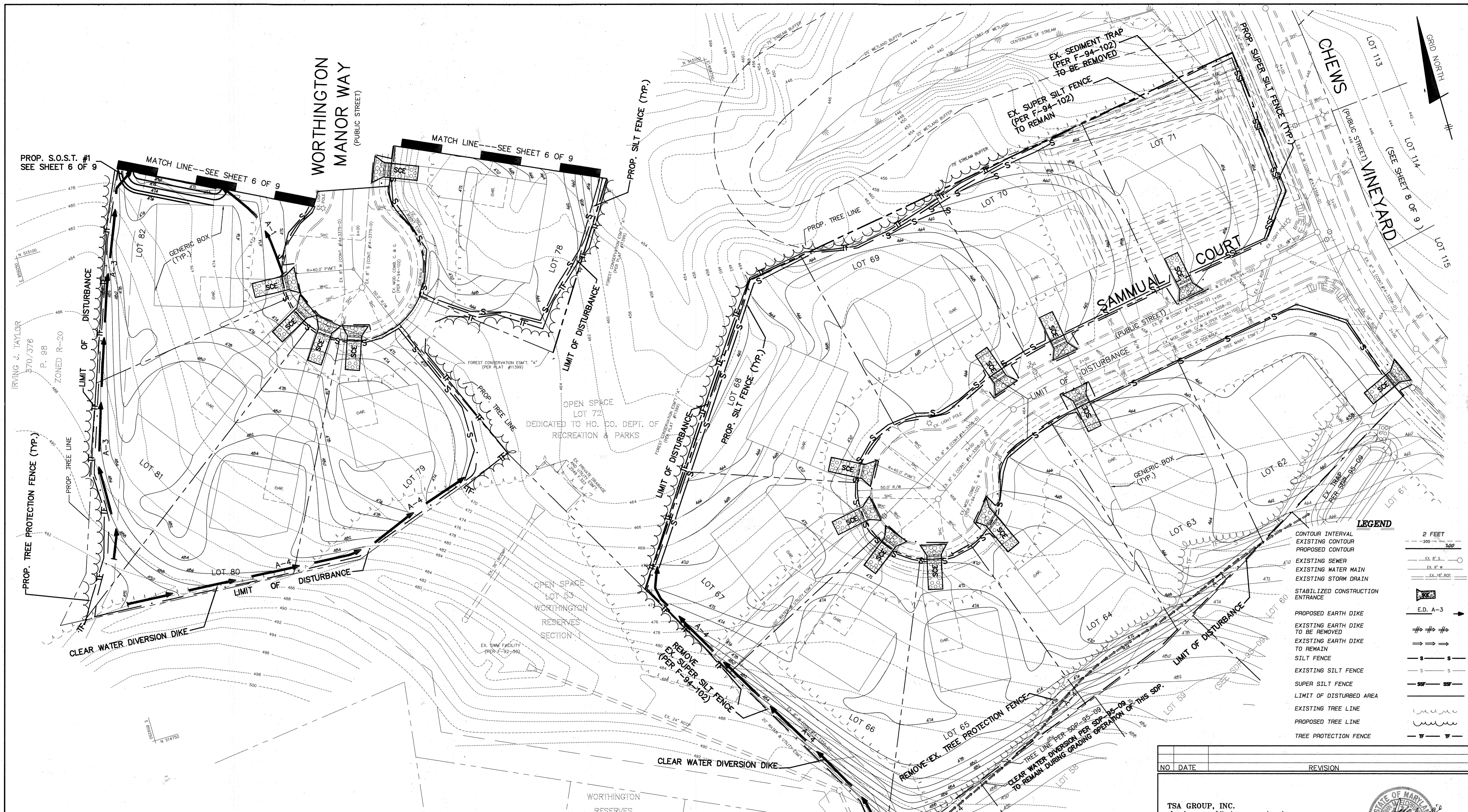
APPROVED: [Signature] 1/23/95
 DIRECTOR, HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

APPROVED: [Signature] 1/17/95
 DIRECTOR, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS

EX. SWM FACILITY (PER F-94-102)
 EX. RIP-RAP OUTLET TRAP #5 (PER F-94-102)
 MODIFY EX. RIP-RAP SEDIMENT TRAP #5 (PER F-94-102) TO MAINTAIN POSITIVE DRAINAGE THROUGH SITE DURING CONSTRUCTION AS SHOWN IN THIS SDP.

PLAN VIEW
 SCALE: 1"=30'

PROJECT: **WORTHINGTON RESERVE'S**
 SECTION 2
 LOCATION: TAX MAP 31 - PART OF PARCEL 3, 2nd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 OWNER/DEVELOPER: SDC GROUP, P.O. BOX 417, ELLICOTT CITY, MARYLAND 21041, (410) 465-4244
 TITLE: **SEDIMENT & EROSION CONTROL PLAN**
 DATE: NOV. 1994, JAN. 4, 1995
 PROJECT NO. 0726
 SCALE: AS SHOWN
 DRAWING 6 OF 11



APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Patricia Eyles 1/14/95
U. S. SOIL CONSERVATION SERVICE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

James J. Smith 1/24/95
DIRECTOR

Anna Stummario 1/23/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

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

John R. Roberts 1/9/95
HOWARD SOIL CONSERVATION DISTRICT

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

James J. Smith 1/17/95
DIRECTOR

Paul J. Sporn 1/17/95
CHIEF, BUREAU OF ENGINEERING

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 County Soil Conservation District.

John E. Blainey 12/20/94
Date

DEVELOPER'S CERTIFICATE

I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this project will have a certificate of attendance at a Department of the Environment approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.

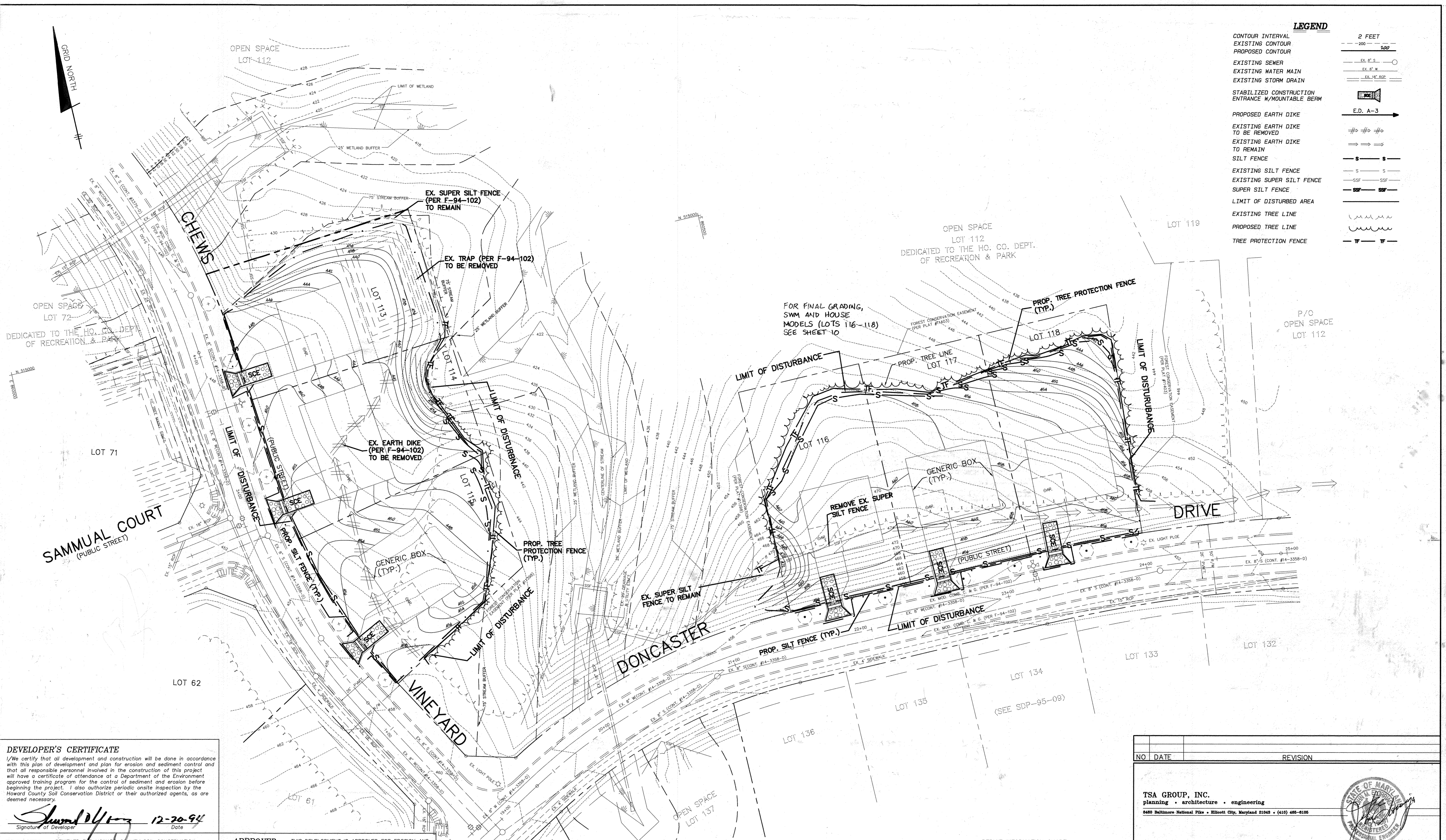
Thomas D. G... 12-20-94
Signature of Developer Date

WORTHINGTON RESERVES SECTION 1
PLAT NOS. 10494-10500
F-92-50
PLAN VIEW
SCALE: 1"=30'

PERMIT INFORMATION CHART

| | | | |
|--|--------------------|---------------------------------|---|
| SUBDIVISION NAME: WORTHINGTON RESERVES SECTION 2 LOTS 62-71, 73-92 & 113-118 | | | |
| SECTION 2 | PARCEL # 3 | LIBER & FOLIO 3288/239 2549/323 | PREVIOUS FILE: S-89-50-P-93-09 F-94-102, WP-94-01 F-92-50 |
| PLAT No. 11394 TO 11403 | BLOCK No. 2 & 3 | ZONE R-20 | TAX MAP 31 ELEC. DIST. 2nd CENSUS 6027 |
| WATER CODE G01 | SEWER CODE 1257013 | DATE: NOV., 1994 | |
| SCALE: AS SHOWN | | | |

| | |
|---|------------------|
| NO. DATE | REVISION |
| TSA GROUP, INC. planning • architecture • engineering 6400 Baltimore National Pike • Ellicott City, Maryland 21041 • (410) 466-6106 | |
| PROJECT: WORTHINGTON RESERVES SECTION 2 LOTS 62-71, 73-92 & 113-118 | |
| LOCATION: TAX MAP 31 - PART OF PARCEL 3 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND | |
| TITLE: SEDIMENT & EROSION CONTROL PLAN | |
| DATE: NOV. 1994 | PROJECT NO. 0726 |
| DATE: JAN. 4, 1995 | SCALE: AS SHOWN |
| DES: YSL | CHK: CAM |
| DRN: YSL | DRAWING 7 OF 11 |



DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this project will have a certificate of attendance at a Department of the Environment approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.

Shirley D. King 12-20-94
 Signature of Developer Date

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Patricia Egle 1/9/95
 U. S. SOIL CONSERVATION SERVICE DATE

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

John R. Poluto 1/9/95
 HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

James H. Smith 1/24/95
 DIRECTOR DATE

Anna Surinam 1/23/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

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

James J. Shuman 1/17/95
 DIRECTOR DATE

Paul J. Spon 1/17/95
 CHIEF, BUREAU OF ENGINEERING DATE

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 County Soil Conservation District.

John G. Donaghy 12/20/94
 Date

PLAN VIEW
 SCALE: 1"=30'

| | | |
|-----|------|----------|
| NO. | DATE | REVISION |
| | | |

TSA GROUP, INC.
 planning • architecture • engineering
 8400 Baltimore National Pike • Millcott City, Maryland 21043 • (410) 466-6106

STATE OF MARYLAND
 PROFESSIONAL ENGINEER

PROJECT: WORTHINGTON RESERVES SECTION 2
 LOTS 62-71, 73-92, & 113-118

LOCATION: TAX MAP 31 - PART OF PARCEL 3
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: SEDIMENT & EROSION CONTROL PLAN

OWNER/DEVELOPER: SDC GROUP
 P.O. BOX 417
 ELLICOTT CITY, MARYLAND 21041
 (410) 465-4244

DATE: NOV. 1994
 JAN. 4, 1995

PROJECT NO. 0726

SCALE: AS SHOWN

DRAWING 8 OF 11

DES: YSL CHK: CAM DRN: YSL

PERMANENT SEEDING NOTES

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

Seeding Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding. (If not previously loosened)

Soil Amendments: In lieu of soil test recommendations, use on the following schedules.

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 500 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf) 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 sf).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sf) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 through April 30 and August 1 through October 15, seed with 80 lbs per acre (1.4 lbs/1000 sf) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass. During the period of October 16 through 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 seed. 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 sf) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring.

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

SEDDIMENT CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (313-1855).
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current "Maryland Standards and Specifications for Soil Erosion and Sediment Control", and revisions thereto.
3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 calendar days as to all other disturbed or graded areas on the project site.
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 "1991 Maryland Standards and Specifications for Soil Erosion and Sediment Control" for Permanent Seeding (Sec. 41), Soil (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: | 11.72 | acres |
| Area to be Disturbed: | 11.62 | acres |
| Area to be roofed or paved: | 3.07 | acres |
| Area to be vegetatively stabilized: | 8.62 | acres |
| Total Cut: | 4.61 | cu. yd. |
| Total Fill: | 27.633 | cu. yd. |

 Offsite Waste/Borrow Area Location: 4
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 controls must be provided, if deemed necessary by the Howard County 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. Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.
12. Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his/her own quantity estimates to his/her satisfaction.
 - It is the responsibility of the contractor to identify the spot/borrow site and notify and gain approval from the sediment control inspector of the site and its grading permit number at the time of construction.

SEQUENCE OF CONSTRUCTION

Notify Sediment Control Division 48 hours prior to start of construction.

1. Obtain grading permit.
2. Install tree protection fences as indicated on this plan.
3. Clear and grub the site as indicated in this plan.
4. Inspect existing sediment and erosion control devices and repair or re-install them if required. Continue using the existing Sediment Basin as designed under F-94-102.
5. Install new sediment and erosion control devices and stabilize.
6. Excavate for foundations, rough grade and temporarily stabilize. Except Lots 23 & 33, delay construction of these lots until the site is stabilized. The north dike is removed with the approval of Howard County - Erosion Control Inspector.
7. Construct structures and driveways.
8. Final grade and stabilize in accordance with standards and specifications.
9. Upon approval of the Howard County sediment control inspector, remove sediment and erosion control devices and stabilize.

TEMPORARY SEEDING NOTES

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

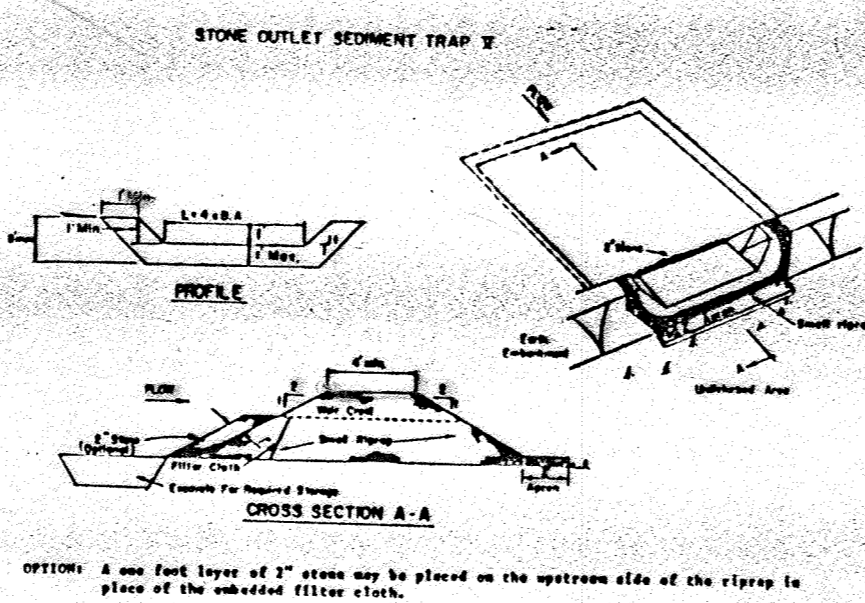
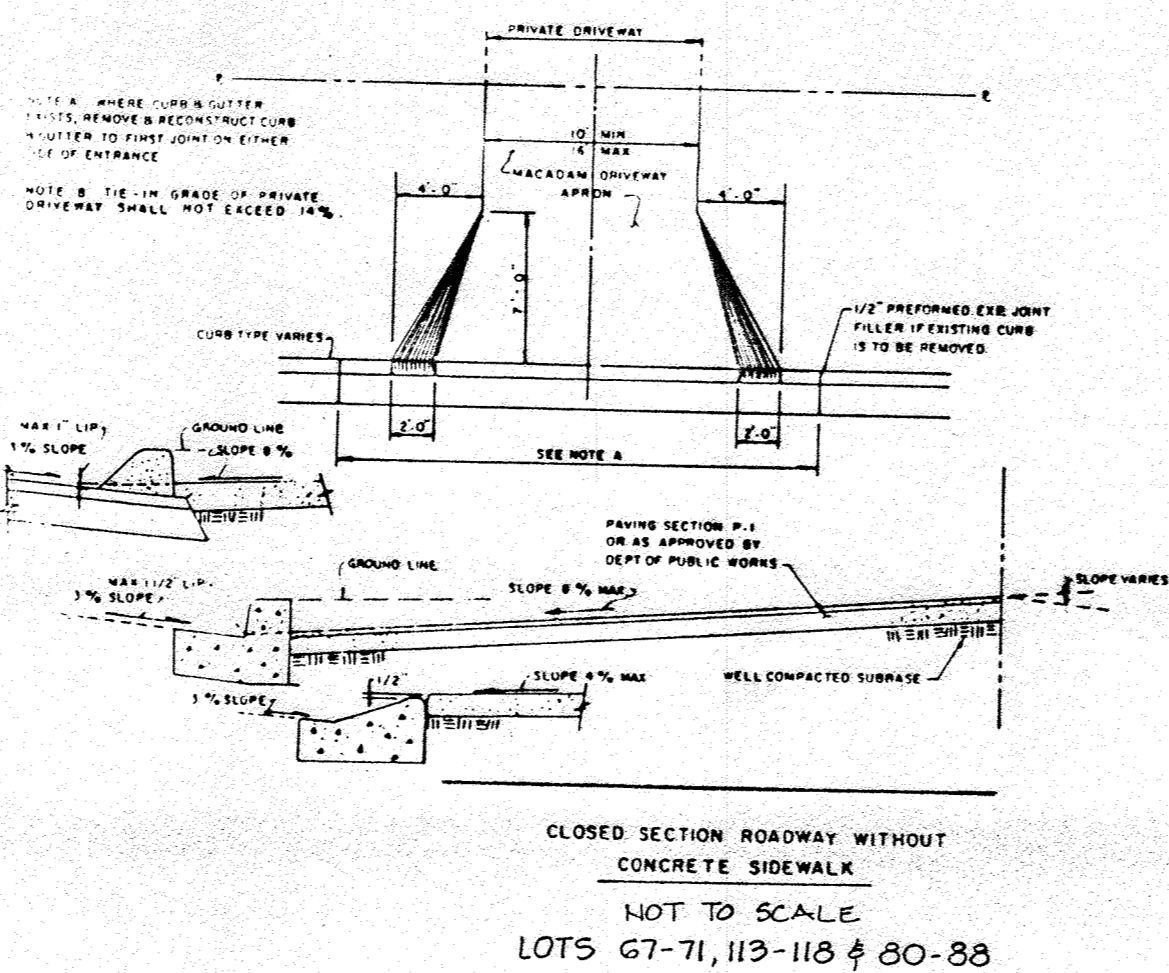
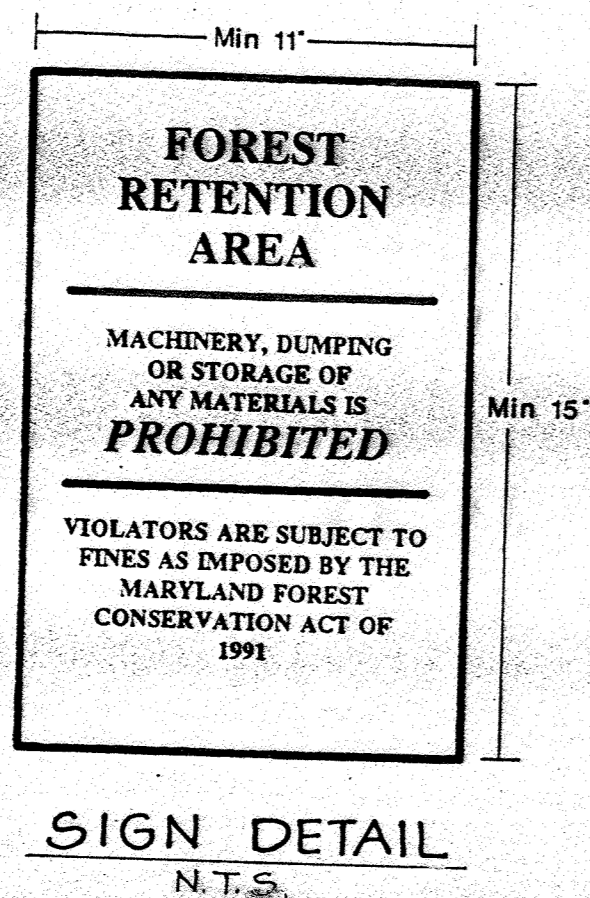
Seeding Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding. (If not previously loosened)

Soil Amendments: Apply 800 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf).

Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sf). For the period May 1 through August 14, seed with 3 lbs per acre of Weeping Lovegrass (0.07 lbs/1000 sf). For the period November 16 through 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 seed.

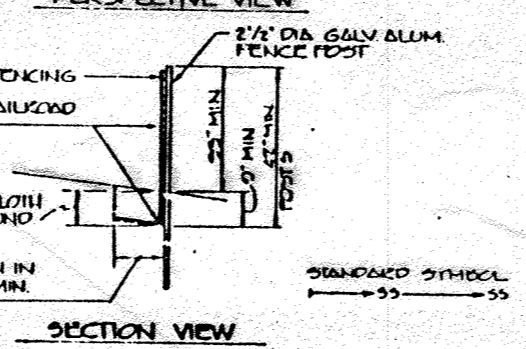
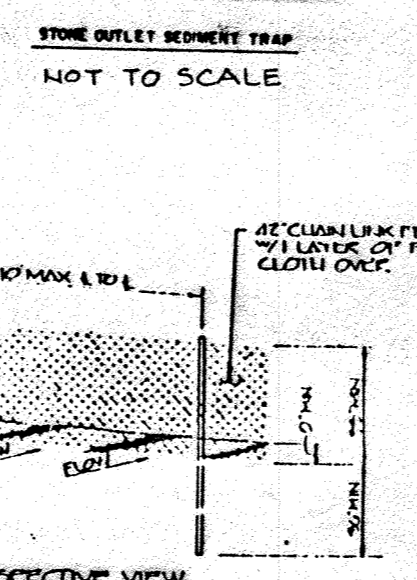
Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sf) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use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

Refer to the 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rates and methods not covered.

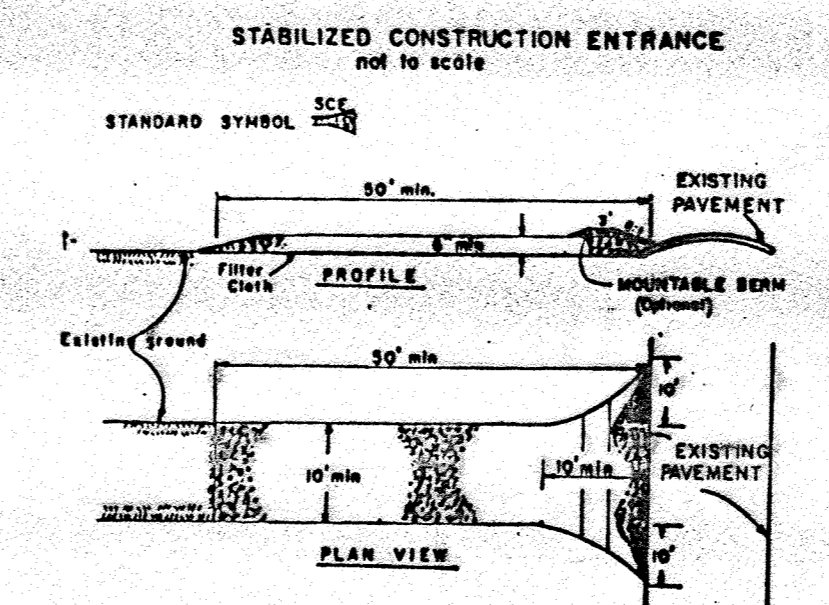
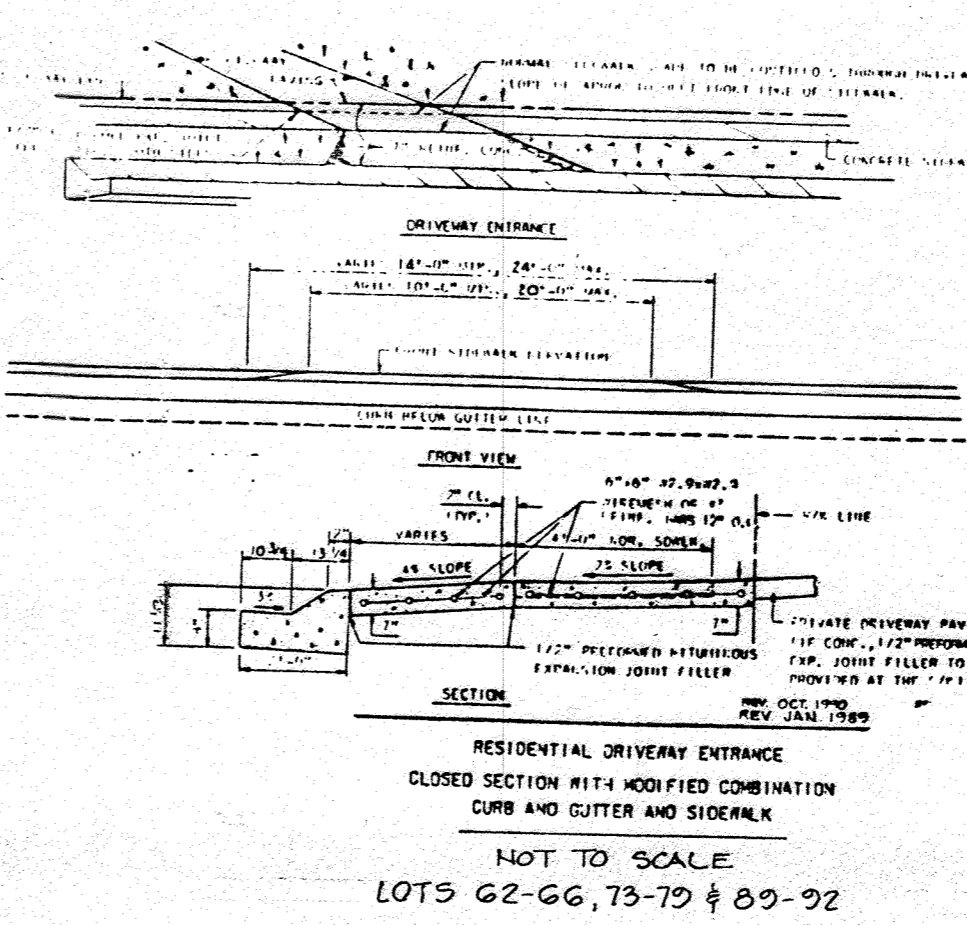


1. Area under sediment trap shall be cleared, graded and stripped of any vegetation and rock mat. The pool area shall be cleared.
2. The fill material for the sediment trap shall be free of rocks and other woody vegetation as well as uncrushed stone, curbs, metallic material or other objectionable material. The sediment trap shall be completed by processing with equipment while it is being constructed.
3. All cut and fill areas shall be 3:1 or flatter.
4. The stone used in the outlet shall be well riprap 1-2" along with a 2" thickness of 2" aggregate placed on the up-grade side on the small riprap 20' minimum filter cloth in the filter.
5. Riprap shall be removed and top restored to the original dimensions when the sediment has accumulated to the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

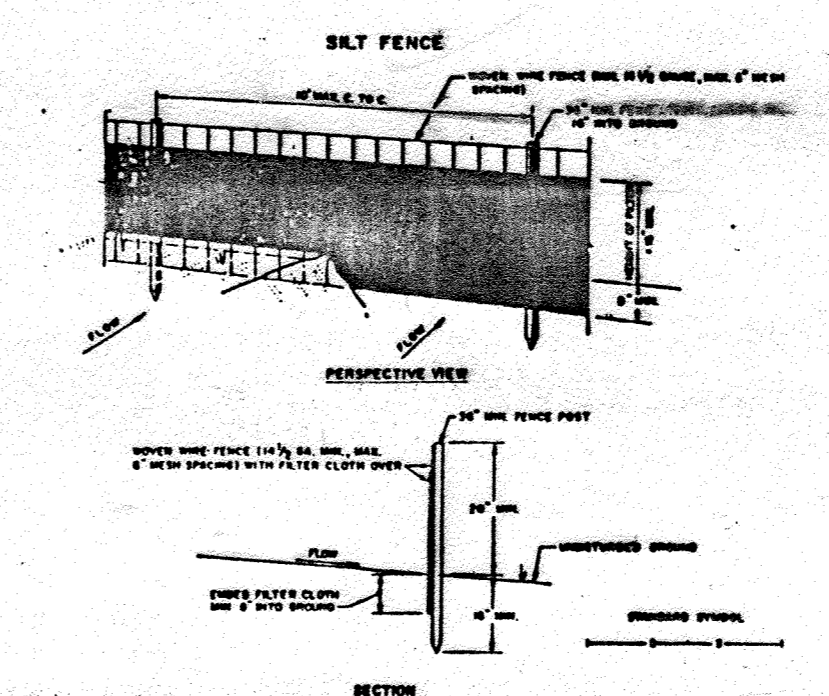
Maximum Drainage Area: 5 Acres



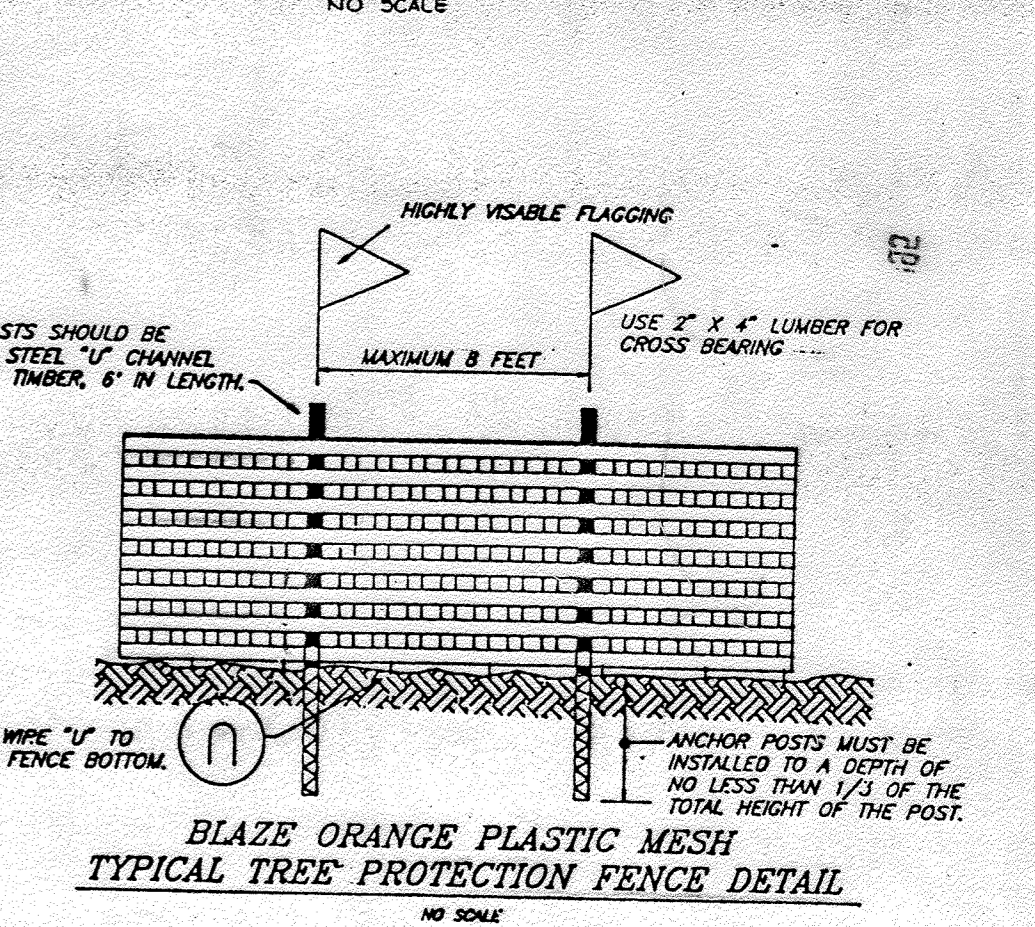
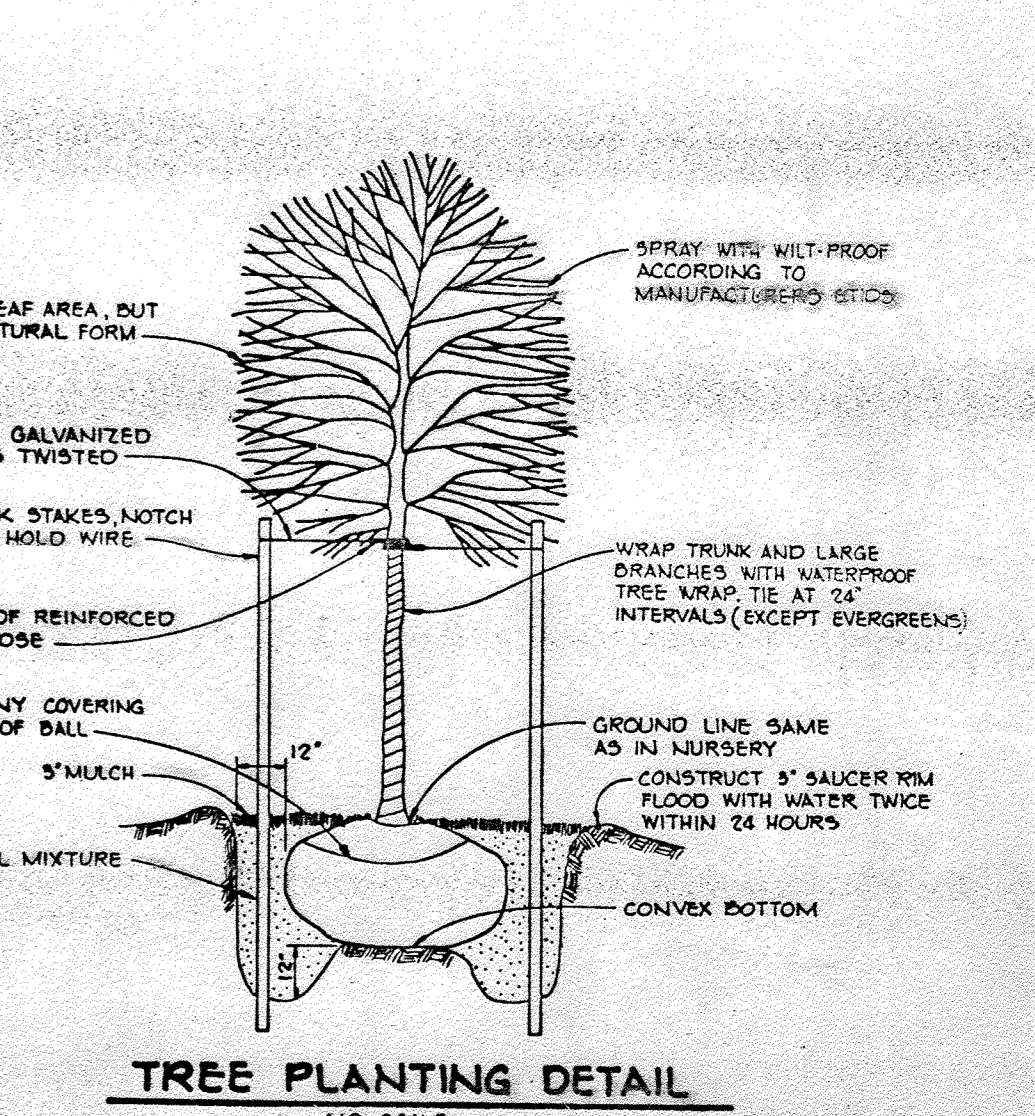
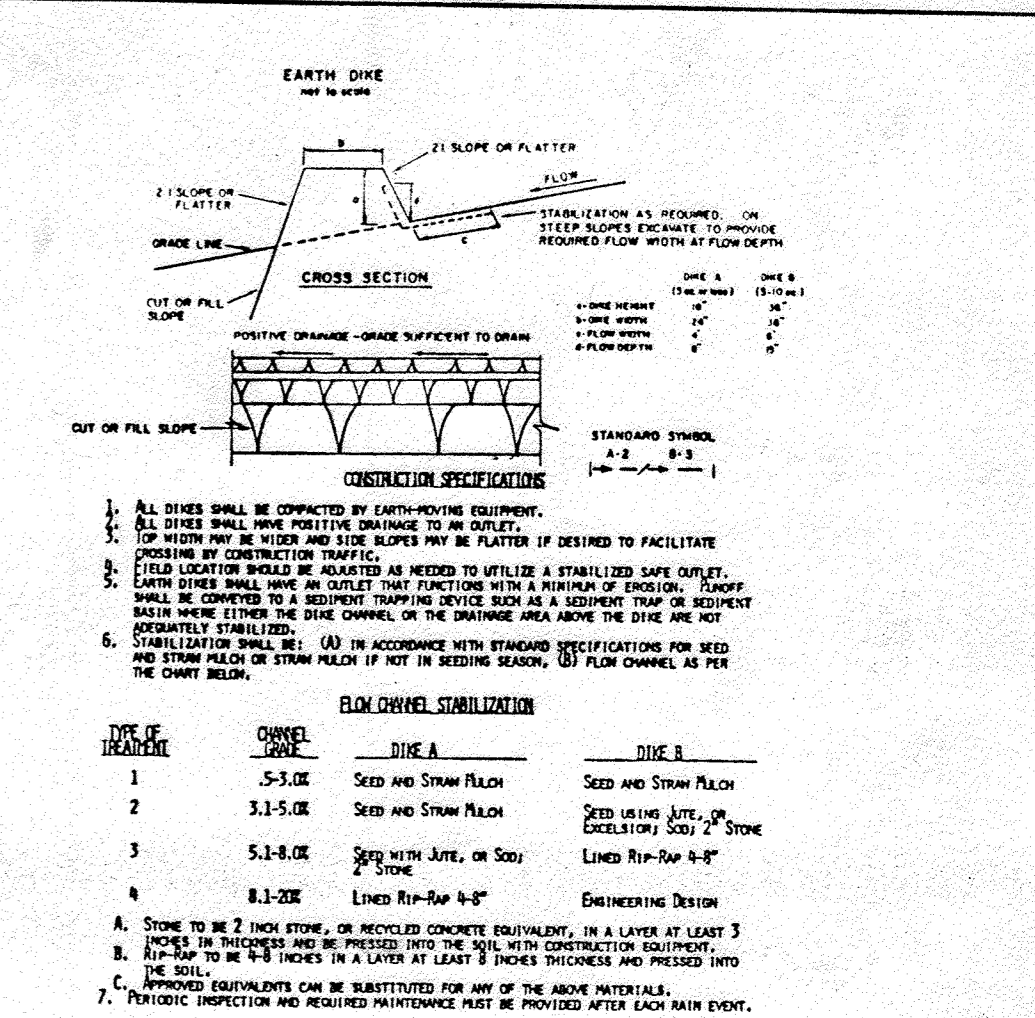
1. WHEN THE FENCE IS BEING INSTALLED, THE FENCE POSTS SHALL BE PLACED IN THE GROUND AT THE CORNERS AND AT THE MIDDLE OF EACH SECTION.
2. FILTER CLOTH IS TO BE FASTENED SECURELY TO UNDER SIDE OF THE SILT FENCE EVERY 2' AT TOP AND MID SECTION.
3. WHEN NO SECTION OF FILTER CLOTH IS AVAILABLE EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. FURTHERMORE SHALL BE PROVIDED AS NOTED AND NOTED SHALL BE PROVIDED AS NOTED.



1. Stone size - The 2' stone, as specified on recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single road-closure lot where a 20 foot structure length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Two (2) foot minimum, but not less than the RISE 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 residential lot.
6. Access ways - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a reasonable beam with 3:1 slopes will be provided.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone on conditions of erosion sediment spillage, dropped, washed or tracked onto public right-of-way will be removed immediately.
8. Washing - Wheels shall be cleaned at every entrance used to entrance onto public right-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.



1. WHEN THE FENCE IS BEING INSTALLED, THE FENCE POSTS SHALL BE PLACED IN THE GROUND AT THE CORNERS AND AT THE MIDDLE OF EACH SECTION.
2. FILTER CLOTH IS TO BE FASTENED SECURELY TO UNDER SIDE OF THE SILT FENCE EVERY 2' AT TOP AND MID SECTION.
3. WHEN NO SECTION OF FILTER CLOTH IS AVAILABLE EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. FURTHERMORE SHALL BE PROVIDED AS NOTED AND NOTED SHALL BE PROVIDED AS NOTED.



1. Forest protection device only.
2. Retention area will be set as part of the review process.
3. Boundaries of retention areas should be staked and flagged prior to installing device.
4. Root damage should be avoided.
5. Protection signage may also be used.
6. Device should be maintained throughout construction.

DEVELOPER CERTIFICATE
I/We certify that all development and construction will be done in accordance with this plan of development and construction and that all responsible personnel involved in the construction of this project will have a certificate of attendance at a Department of the Environment approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.

Signature of Developer: *James R. Moxley III* 11/21/94

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 County Soil Conservation District.

Signature: *James R. Moxley III* 11/21/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Signature: *Jessica R. Little* 1/24/95
DIRECTOR: *Chia Jaraman* 1/28/95

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
Signature: *James R. Moxley III* 11/21/94
Signature: *Paul J. Sporn* 1/17/95

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Signature: *Patricia Engle* 1/9/95

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
Signature: *John B. Robertson* 1/9/95

PERMIT INFORMATION CHART

| | | | |
|--|--------------------|---------------------------------|--|
| SUBMISSION NAME: WORTHINGTON RESERVES SECTION 2 LOTS 62-71, 73-92, & 113-118 | | | |
| SECTION 2 | PARCEL # 3 | LIBER & FOLIO 3288/239 2549/323 | PREVIOUS FILE: S-89-50-P-93-09 F-94-102-WP-94-01 F-92-50 |
| PLAT No. 114023 | BLOCK No. 2 & 3 | ZONE R-20 | TAX MAP 31 ELEC. DIST. 2nd CENSUS 6027 |
| WATER CODE G01 | SEWER CODE 1257013 | DATE: NOV, 1994 | SCALE: AS SHOWN |

| | |
|---------|---|
| 0 11/94 | SUBMISSION TO COUNTY FOR REVIEW AND APPROVAL. |
| NO DATE | REVISION |

TSA GROUP, INC.
planning • architecture • engineering
8400 Baltimore National Pike • Millersville, Maryland 21104 • (410) 468-8100

OWNER/DEVELOPER: SOC Group P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 (410) 465-4244

PROJECT: WORTHINGTON RESERVES SECTION 2 LOTS 62-71, 73-92, & 113-118

LOCATION: TAX MAP 31 - PART OF PARCEL 3 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: EROSION & SEDIMENT CONTROL NOTES & DETAILS

DATE: NOV, 1994 PROJECT NO. 0726
JAN, 4, 1995

SCALE: AS SHOWN DRAWING 0 OF 11

DES: YSL/CAM DRN: YSL

SDP-95-44

SOILS TABLE

| SYMBOL | RATING | NAME | K FACTOR | MAP # | COMMENTS |
|--------|--------|--|----------|-------|-----------------|
| GdD | (A) | GLADSTONE-LEGORE COMPLEX, 15-25% SLOPES, STONY | 0.28 | 3 | HIGHLY ERODIBLE |
| MgF | (B) | MANOR-BANNERTOWN SANDY LOAMS, 25-65% SLOPES, ROCKY | 0.24 | 3 | HIGHLY ERODIBLE |

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 8818 Forest Street, Suite 300, Ellicott City, MD 21043 (410) 997-0288 (410) 997-0288 Fax

Project: WORTHINGTON RESERVES, LOTS 116, 117 AND 118
 Test Date: Sep 2, 2022
 Subject: Limited subsurface exploration.
 No. of Borings: 3
 Probing Method: Excavator
 Findings:

| Boring | Groundwater | Rocks | Hole depth | Notes |
|---------|-------------------------|-------------------|------------|------------|
| SWM-B-1 | No Groundwater observed | No Rocks observed | 19 | Acceptable |
| SWM-B-2 | No Groundwater observed | No Rocks observed | 12 | Acceptable |
| SWM-B-3 | No Groundwater observed | No Rocks observed | 12 | Acceptable |

All Depths below existing ground surface.

Sam Alomer, P.E.



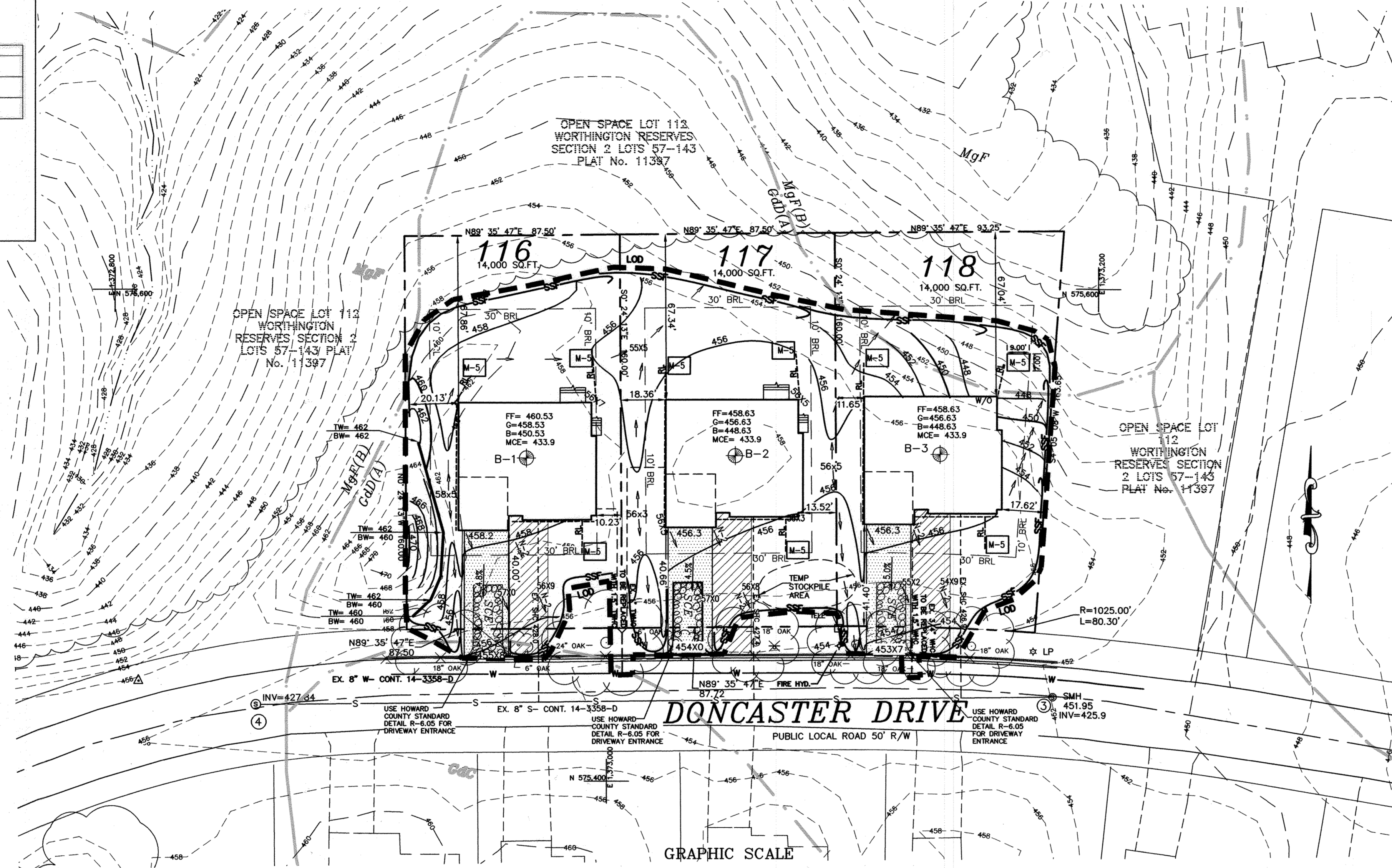
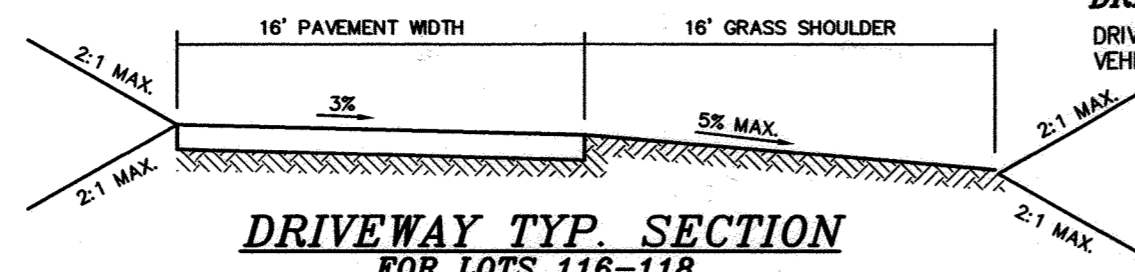
LEGEND

- MINOR CONTOUR
- MAJOR CONTOUR
- EXIST. TREE LINE
- SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- LIMITS OF DISTURBANCE
- PROPOSED DRIVEWAY
- DRY WELL (M-5)
- NON-ROOFTOP DISCONNECTION AREA

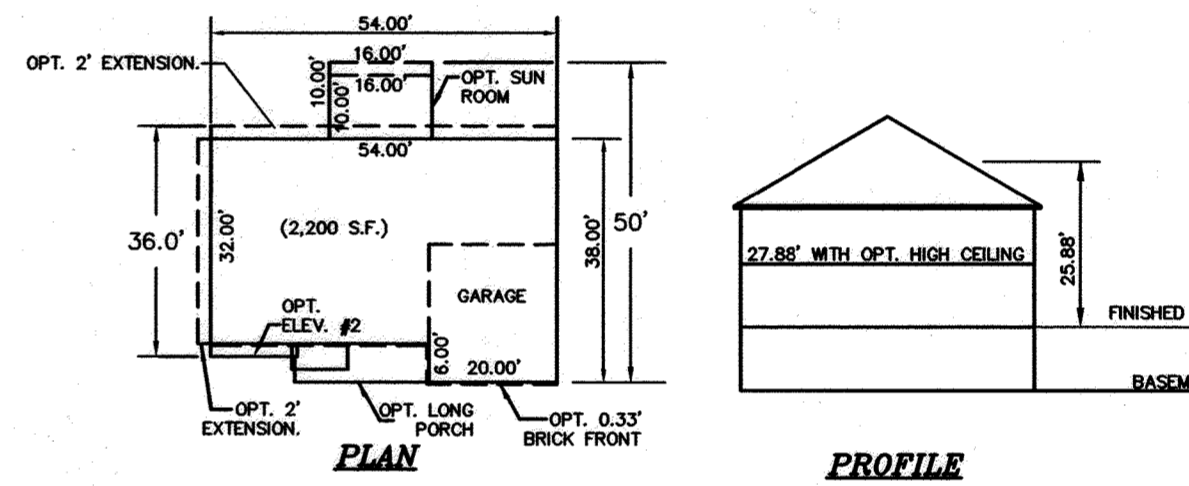
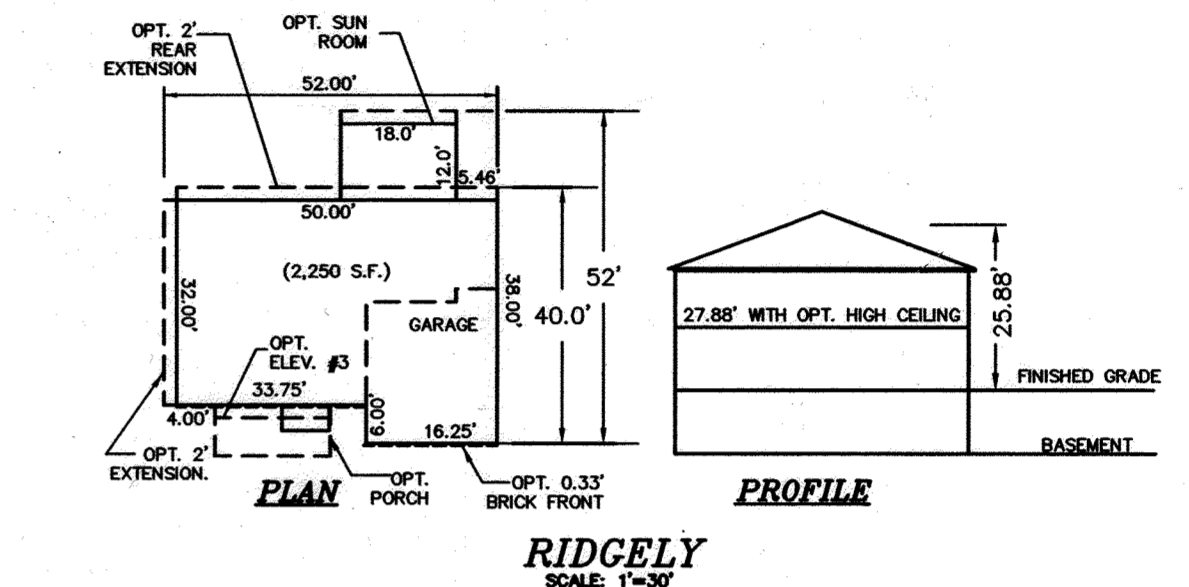
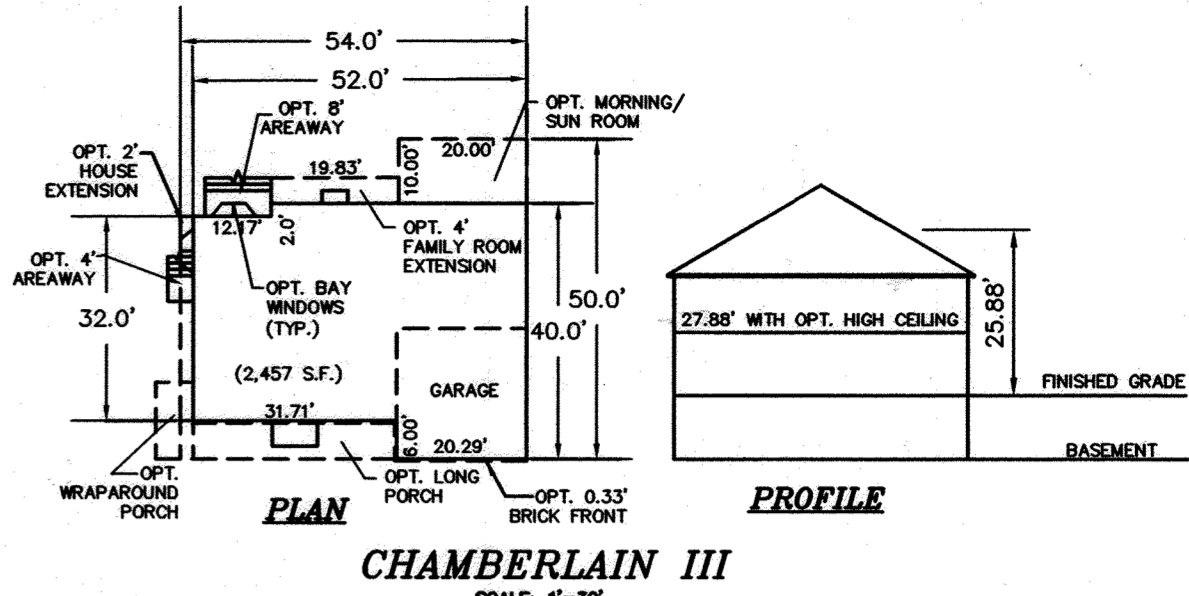
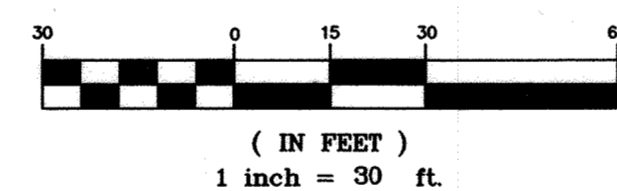
DRIVEWAY CONSTRUCTION NOTES:

- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
- WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE).
 - SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2").
 - GEOMETRY - MAX. 15% GRADE, MAX. 10% GRADE CHANGE AND MIN. OF 45 FOOT TURNING RADIUS.
 - STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
 - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD PLAIN WITH NO MORE THAN 1 FOOT OF DEPTH OVER DRIVEWAY SURFACE.
 - STRUCTURE CLEARANCES - MINIMUM 12 FEET.
 - MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.

DRIVEWAY TYP. SECTION FOR LOTS 116-118 N.T.S.



GRAPHIC SCALE



SWM CALCULATIONS

ESD REQUIRED PER LOT
 BUILDABLE AREA = 14,000 SF
 HOUSE AREA = 2,500 SF
 DRIVEWAY AREA = 1,000 SF
 WALKWAY AREA = 200 SF
 TOTAL IMPERVIOUS AREA = 3,500 SF
 (1.6)(3,500)(0.95)/12
 ESDV REQUIRED: 443 C.F.

HOUSE:
 ESDV REQUIRED:
 (2,500)(1)(0.95)/12 = 378 C.F.
 THREE (3) DRYWELLS AT A MINIMUM OF 7.0' LONG X 9.0' WIDE X 5.0' DEEP EACH AND WITH A CONTRIBUTION AREA OF 833 S.F. FOR EACH DRY WELL.
 (M-5) OF THE MDE DESIGN MANUAL
 ESDV PROVIDED: (3)(5)(7)(9)(0.4)
 ESDV PROVIDED 378 CF

DRIVEWAY:
 NON-ROOFTOP DISCONNECTIONS AT 1:1 RATIO OF CONTRIBUTING IMPERVIOUS LENGTH TO DISCONNECTION LENGTH AND PREVIOUS LENGTH RATIO TO DISCONNECTION LENGTH OF MORE THAN 0.5:1, (N-1) OF THE MDE DESIGN MANUAL
 ESDV PROVIDED: (1.6)(0.95)(1000)/12
 ESDV PROVIDED 79 CF

ESD PROVIDED PER LOT: 378+79
 ESDV PROVIDED: 457 C.F.

TOTAL ESDV PROVIDED PER LOT: 457 C.F.

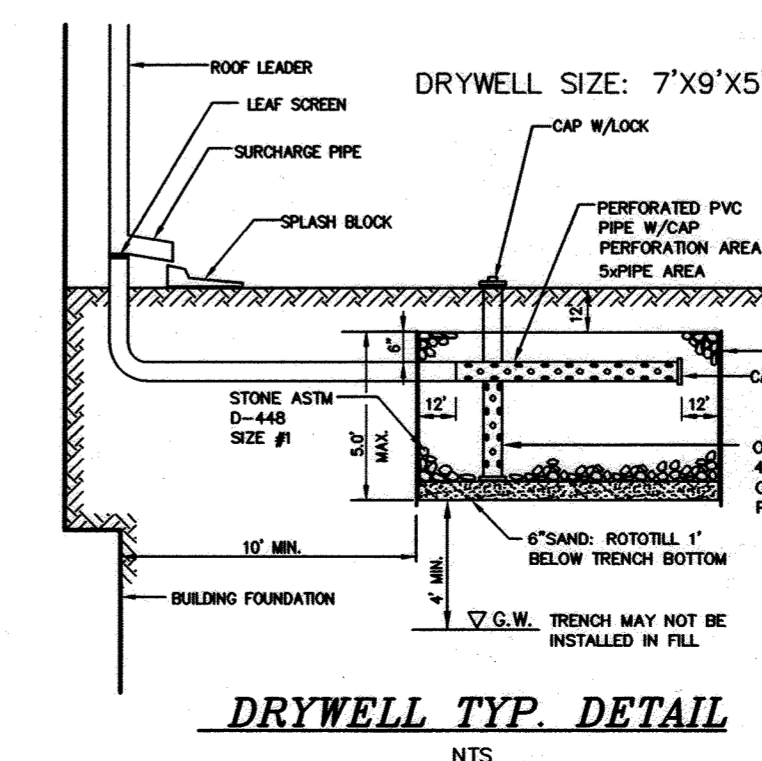
BY PROVIDING DRY WELLS (M-5) AND NON-ROOFTOP DISCONNECTIONS (N-2), THE ENTIRE TARGET RUNOFF HAS BEEN TREATED VIA NON-STRUCTURAL PRACTICES.

SWM PRACTICE CHART

| LOT | ADDRESS | NON-ROOFTOP DISCONNECTION (Y/N) | DRYWELL M-5 (NUMBER) |
|-----|--------------------|---------------------------------|----------------------|
| 116 | 4496 DONCASTER DR. | Y | 3 |
| 117 | 4492 DONCASTER DR. | Y | 3 |
| 118 | 4488 DONCASTER DR. | Y | 3 |

SWM SUMMARY TABLE

| AREA | PROPOSED PRACTICES | REQD. ESDV | PROV. ESDV | REQD. Rv | PROV. Rv |
|---------|--|------------|------------|----------|------------|
| LOT 116 | M-5 DRYWELLS (3 EACH) NON-ROOFTOP DISCONNECTION (N-2) | 444 C.F. | 457 C.F. | 62 C.F. | 378 C.F. |
| LOT 117 | M-5 DRYWELLS (3 EACH) NON-ROOFTOP DISCONNECTION (N-2) | 444 C.F. | 457 C.F. | 62 C.F. | 378 C.F. |
| LOT 118 | M-5 DRYWELLS (3 EACH) NON-ROOFTOP DISCONNECTION (N-2) | 444 C.F. | 457 C.F. | 62 C.F. | 378 C.F. |
| TOTAL | | 1,332 C.F. | 1,371 C.F. | 186 C.F. | 1,134 C.F. |



OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DRY WELLS (M-5)

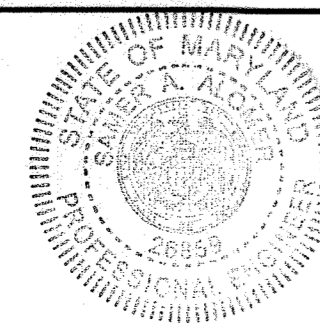
- THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AND AFTER EVERY HEAVY STORM EVENT.
- THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO ENSURE TRENCH DRAINAGE.
- THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
- WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN A SEVENTY-TWO (72) HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
- THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO ENSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
- ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REVISED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

ENGINEER'S CERTIFICATION
 I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 12.14.2022
 SAMER A. ALOMER P.E. 26859
 PRINTED NAME MD REGISTRATION NO. (P.E.)

OWNER/DEVELOPER CERTIFICATION
 I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY, THE HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE.
 11/9/23
 AMY GOWEN, DIRECTOR

HOWARD SCD SIGNATURE BLOCK
 THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 12/21/22

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 1-3-23
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 11/9/23
 CHIEF, DIVISION OF LAND DEVELOPMENT
 AMY GOWEN, DIRECTOR



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. 26859, EXP DATE 08/08/23.
 10.12.2023
 SAMER A. ALOMER P.E. DATE:

OWNER/DEVELOPER

DORSEY FAMILY HOMES, INC.
 10717 BIRMINGHAM WAY
 WOODSTOCK, MARYLAND 21163
 (410)465-5739

REVISED
WORTHINGTON RESERVES
 SECTION TWO, LOTS 62-71, 73-92 & 113-118
 TAX MAP: 31 - GRID: 03 - PARCEL: 810
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SITE DEVELOPMENT PLAN

project date DEC. 2022
 22-015 illustration
 MAM MAM MAM
 scale 1"=30'
 description
 revisions
 date
 no.

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 8818 FOREST STREET, SUITE 300, ELICOTT CITY MD 21043
 (410) 997-0288 Tel. (410) 997-0288 Fax.

10 OF 11
 SDP-95-044

STANDARD SEDIMENT CONTROL NOTES

- 1. A PRE-CONSTRUCTION MEETING MUST OCCUR WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS...
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN...
3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION IS REQUIRED WITHIN THREE (3) CALENDAR DAYS...
4. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE...
5. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE, AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION...
6. SITE ANALYSIS FOR LOTS 116-118: TOTAL AREA OF SITE: 0.96 ACRES...
7. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY...
8. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY...
9. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS...
10. ANY MAJOR CHANGES OR REVISIONS TO THE PLAN OR SEQUENCE OF CONSTRUCTION MUST BE REVIEWED AND APPROVED BY THE HCD PRIOR TO PROCEEDING WITH CONSTRUCTION...
11. DISTURBANCE SHALL NOT OCCUR OUTSIDE THE L.O.D. A PROJECT IS TO BE SEQUENCED SO THAT GRADING ACTIVITIES BEGINS ON ONE GRADING UNIT...
12. WASH WATER FROM ANY EQUIPMENT, VEHICLES, WHEELS, PAVEMENT, AND OTHER SOURCES MUST BE TREATED IN A SEDIMENT BASIN...
13. TOPSOIL SHALL BE STOCKPILED AND PRESERVED ON-SITE FOR REDISTRIBUTION...
14. ALL SILT FENCE AND SUPER SILT FENCE SHALL BE PLACED ON-THE-CONTOUR, AND BE IMBERICATED AT 25' MINIMUM INTERVALS...
15. STREAM CHANNELS MUST NOT BE DISTURBED DURING THE FOLLOWING RESTRICTED TIME PERIODS...
16. A COPY OF THIS PLAN, THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND ASSOCIATED PERMITS SHALL BE ON-SITE AND AVAILABLE WHEN THE SITE IS ACTIVE.

(B-4-2) STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

DEFINITION: THE PROCESS OF PREPARING THE SOILS TO SUSTAIN ADEQUATE VEGETATIVE STABILIZATION.
PURPOSE: TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH.
CONDITIONS WHERE PRACTICE APPLIES: WHERE VEGETATIVE STABILIZATION IS TO BE ESTABLISHED.
CRITERIA: A. SOIL PREPARATION
1. TEMPORARY STABILIZATION
a. SEEDBED PREPARATION CONSISTS OF LOOSENING SOIL TO A DEPTH OF 3 TO 5 INCHES BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT...
2. PERMANENT STABILIZATION
a. A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE. THE MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT ARE:
i. SOIL PH BETWEEN 6.0 AND 7.0.
ii. SOLUBLE SALTS LESS THAN 500 PARTS PER MILLION (PPM).
iii. SOIL CONTAINS LESS THAN 40 PERCENT CLAY BUT ENOUGH FINE GRAINED MATERIAL...
b. TOPSOILING
1. TOPSOIL IS PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION...
2. TOPSOIL SALVAGED FROM AN EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS...
c. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)
1. SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH LIME AND FERTILIZER ON SITES HAVING DISTURBED AREAS OF 5 ACRES OR MORE.

(B-4-3) STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

DEFINITION: THE APPLICATION OF SEED AND MULCH TO ESTABLISH VEGETATIVE COVER.
PURPOSE: TO PROTECT DISTURBED SOILS FROM EROSION DURING AND AT THE END OF CONSTRUCTION.
CONDITIONS WHERE PRACTICE APPLIES: TO THE SURFACE OF ALL PERIMETER CONTROLS, SLOPES, AND ANY DISTURBED AREA NOT UNDER ACTIVE GRADING.
CRITERIA: A. SEEDING
1. SPECIFICATIONS
a. ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW...
b. MULCH ALONE MAY BE APPLIED BETWEEN THE FALL AND SPRING SEEDING DATES ONLY IF THE GROUND IS FROZEN...
c. HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER).
2. APPLICATION
a. APPLY MULCH TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING.
b. WHEN STRAW MULCH IS USED, SPREAD IT OVER ALL SEEDED AREAS AT THE RATE OF 2 TONS PER ACRE...
c. WOOD CELLULOSE FIBER MULCH (WCFM) CONSISTING OF SPECIALLY PREPARED WOOD CELLULOSE PROCESSED INTO A UNIFORM FIBER OF GRASS STATE.
3. ANCHORING
a. PERFORM MULCH ANCHORING IMMEDIATELY FOLLOWING APPLICATION OF MULCH TO MINIMIZE LOSS BY WIND OR WATER.

(B-4-5) STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

DEFINITION: TO STABILIZE DISTURBED SOIL WITH PERMANENT VEGETATION.
PURPOSE: TO USE LONG-LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER OF DISTURBED CONDITIONS WHERE PRACTICE APPLIES: EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR 6 MONTHS OR MORE.
CRITERIA: A. SEED MIXTURES
1. SELECT ONE OR MORE OF THE SPECIES OF MIXTURES LISTED IN TABLE B.3 FOR THE APPROPRIATE PLANT HARDNESS ZONE...
2. TURFGRASS MIXTURES
a. AREAS WHERE TURFGRASS MAY BE DESIRE INCLUDE LAWNS, PARKS, PLAYGROUNDS, AND COMMERCIAL SITES WHICH WILL RECEIVE A MEDIUM TO HIGH LEVEL OF MAINTENANCE.
b. SELECT ONE OR MORE OF THE SPECIES OF MIXTURES LISTED BELOW BASED ON THE SITE CONDITIONS...
3. KENTUCKY BLUEGRASS/PERENNIAL RYE: FULL SUN MIXTURE: FOR USE IN FULL SUN AREAS WHERE RAPID ESTABLISHMENT IS NECESSARY...
4. IDEAL TIMES OF SEEDING FOR TURF GRASS MIXTURE
WESTERN MD. MARCH 15 TO JUNE 1, AUGUST 1 TO OCTOBER 1 (HARDNESS ZONES: 5B,6A)
CENTRAL MD. MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDNESS ZONE: 6B)
SOUTHERN MD. EASTERN SHORE: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDNESS ZONE: 7A, 7B)

DEFINITION: TO STABILIZE DISTURBED SOIL WITH PERMANENT VEGETATION.
PURPOSE: TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURB SOIL.
CONDITIONS WHERE PRACTICE APPLIES: EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR A PERIOD OF 6 MONTHS OR LESS.
CRITERIA: 1. SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.1 FOR THE APPROPRIATE PLANT HARDNESS ZONE...
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AT LOCATION INDICATED (1 DAY).
3. CONSTRUCT PERIMETER CONTROLS: SUPER SILT FENCES (SSF) AND SILT FENCE (SF) (1 DAY).
4. GRADE SITE PER PLAN (5 DAYS).
5. CONSTRUCT RETAINING WALL (5 DAYS).
6. CONSTRUCT HOUSE (90-180 DAYS).
7. CONSTRUCT DRIVEWAY (5 DAYS).
8. STABILIZE ALL DISTURBED AREAS (1 DAY).
9. CONSTRUCT DRYWELL FACILITIES (3 DAYS).
10. SEED AND MULCH ALL REMAINING DISTURBED AREAS (1 DAY).
11. WHEN ALL CONTRIBUTING DRAINAGE AREAS TO SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED, AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS (1 DAY).

(B-4-8) STANDARDS AND SPECIFICATION FOR STOCKPILE AREA

DEFINITION: A MOUND OR PILE OF SOIL PROTECTED BY APPROPRIATELY DESIGNED EROSION AND SEDIMENT CONTROL MEASURES.
PURPOSE: TO PROVIDE A DESIGNATED LOCATION FOR THE TEMPORARY STORAGE OF SOIL THAT CONTROLS THE POTENTIAL FOR EROSION, SEDIMENTATION, AND CHANGING TO INADEQUATE PATTERNS.
CONDITIONS WHERE PRACTICE APPLIES: STOCKPILE AREAS ARE UTILIZED WHEN IT IS NECESSARY TO SALVAGE AND STORE SOIL FOR LATER USE.
CRITERIA: 1. THE STOCKPILE LOCATION AND ALL RELATED SEDIMENT CONTROL PRACTICES MUST BE CLEARLY INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN.
2. THE FOOTPRINT OF STOCKPILE MUST BE SIZED TO ACCOMMODATE THE ANTICIPATED VOLUME OF MATERIAL AND BASED ON A SIDE SLOPE RATIO NO STEEPER THAN 2:1.
3. RUNOFF FROM THE STOCKPILE AREA MUST DRAIN TO A SUITABLE SEDIMENT CONTROL PRACTICE.
4. ACCESS THE STOCKPILE AREA FROM THE UPRIDE SIDE.
5. CLEAR WATER RUNOFF INTO THE STOCKPILE AREA MUST BE MINIMIZED BY USE OF A DIVERSION DEVICE SUCH AS AN EARTH DIKE, TEMPORARY SWALE OR DIVERSION FENCE.
6. WHERE RUNOFF CONCENTRATES ALONG THE TOE OF THE STOCKPILE, AN APPROPRIATE EROSION/SEDIMENT CONTROL PRACTICE MUST BE USED TO INTERCEPT THE DISCHARGE.
7. STOCKPILE MUST BE STABILIZED IN ACCORDANCE WITH THE 3/7 DAY STABILIZATION REQUIREMENT AS WELL AS STANDARD B-4-1 INCREMENTAL STABILIZATION AND STANDARD B-4-4 TEMPORARY STABILIZATION.
8. IF THE STOCKPILE IS LOCATED ON AN IMPERVIOUS SURFACE, A LINER SHOULD BE PROVIDED BELOW THE STOCKPILE TO FACILITATE CLEANUP.
MAINTENANCE: THE STOCKPILE AREA MUST CONTINUOUSLY MEET THE REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4-4 VEGETATIVE STABILIZATION. SOIL SLOPES MUST BE MAINTAINED AT NO STEEPER THAN 2:1 RATIO.

PERMANENT SEEDING SUMMARY

Table with columns: NO., SPECIES, APPLICATION RATE (LB/AC), SEEDING DATES, SEEDING DEPTHS, N, P2O5, K2O, LIME RATE. Includes rows for TALL FESCUE and MIXTURES 1, 4-7, 9, and 10.

TEMPORARY SEEDING FOR SITE STABILIZATION

Table with columns: PLANT SPECIES, SEEDING RATE (LB/AC), SEEDING DEPTH (INCHES), RECOMMENDED SEEDING DATES BY PLANT HARDNESS ZONE (5B AND 6A, 6B, 7A AND 7B).

ENGINEER'S CERTIFICATION

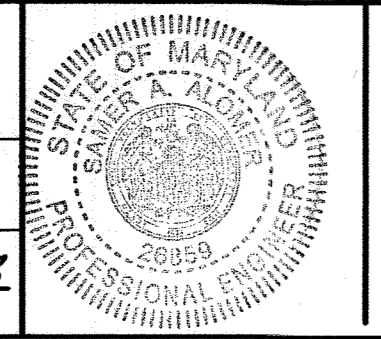
I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

DESIGNER'S SIGNATURE: SAMER A. ALOMER P.E. DATE: 12/14/22

OWNER/DEVELOPER CERTIFICATION: I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN...

HOWARD SCD SIGNATURE BLOCK: THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. DATE: 12/21/22

APPROVED: DEPARTMENT OF PLANNING AND ZONING. CHIEF, DEVELOPMENT ENGINEERING DIVISION: DATE: 1/3/23. CHIEF, DIVISION OF LAND DEVELOPMENT: DATE: 1/19/23. ANY GOWAN, DIRECTOR: DATE: 1/23/23.



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. 26859, EXP DATE 08/08/23.

SAMER A. ALOMER P.E. DATE: 12/14/22

Project Information Table: date (22-015), illustration (MM), scale (1"=30'), approval (SA), revision (1).

Revisions Table: description, revisions.

REVISED WORTHINGTON RESERVES SECTION TWO, LOTS 62-71, 73-92 & 113-118 TAX MAP: 31 - GRID: 03 - PARCEL: 810 - HOWARD COUNTY, MARYLAND SECOND ELECTION DISTRICT SITE DEVELOPMENT PLAN

MILDENBERG, BOENDER & ASSOC., INC. Engineers Planners Surveyors 8818 FOREST STREET, SUITE 300, ELICOTT CITY MD 21043 (410) 997-0288 Fax.