

NO	REVISION	DATE
1	Revise house & grade lot 411 from Enterprise to Roanoke	4.5.91
2	Rev. hse and grad lot 407 from Enterprise to Roanoke, lot 408 from Enterprise to Chesterfield	5.19.91
3	Rev hse and grad lot 410	6.20.91
4	Revise berm in the rear of lots 412-414 and OPEN SPACE lot 428 by Clark, FineFrock & Sackett, Inc.	12.17.91
5	Revise house and grade lot 414, Add hse typical, by Clark, FineFrock & Sackett, Inc.	3.22.93

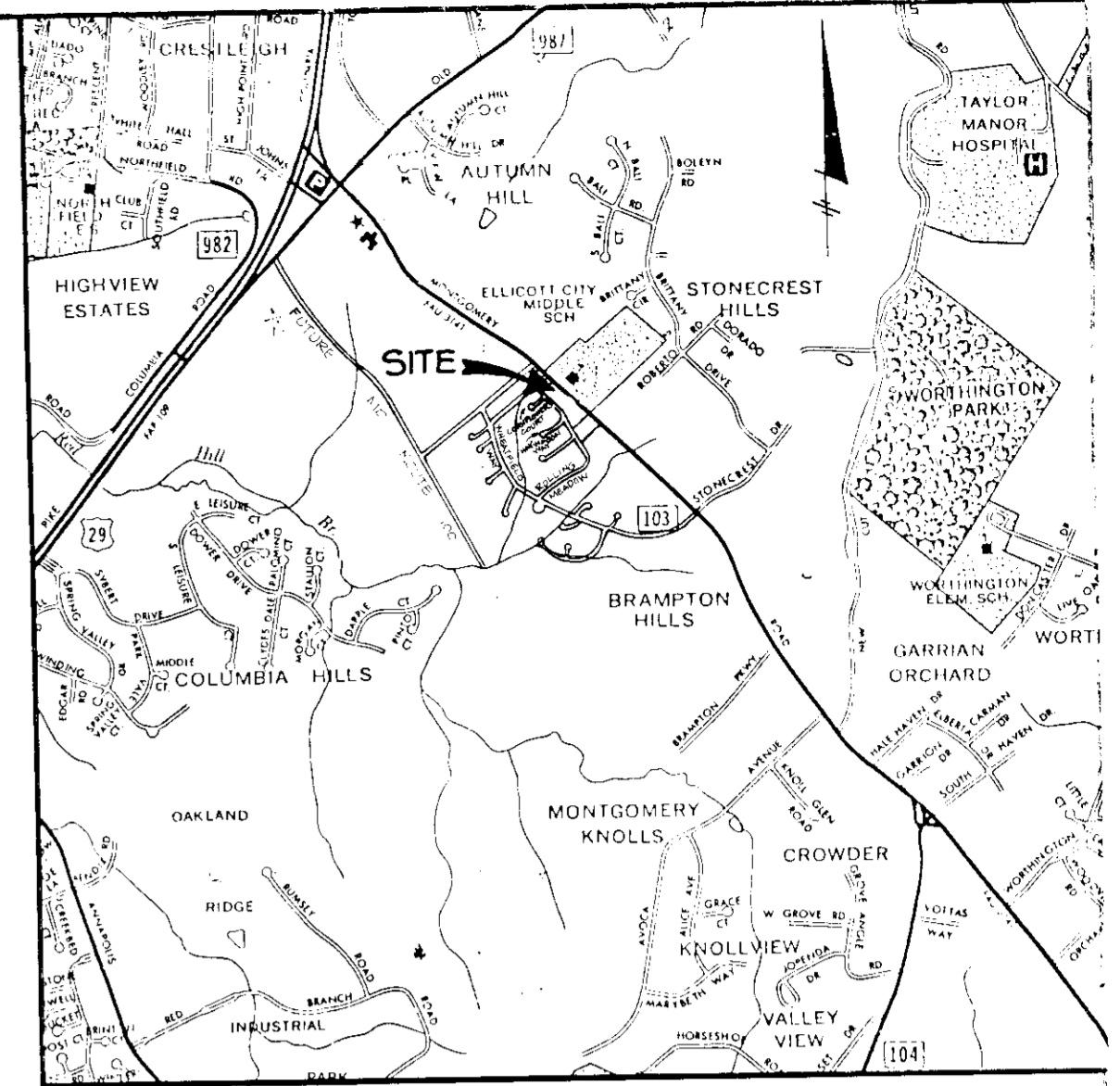
GENERAL NOTES

- ALL ROADWAYS ARE PUBLIC AND EXISTING.
- ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 992-2417 OR 992-2418.
- THE MAXIMUM LOT COVERAGE IS 40% PER LOT.
- TOPO TAKEN FROM AERIAL PHOTOGRAMMETRY BY MAPPING ASSOCIATES FROM AUGUST, 1986.
- PUBLIC WATER AND SEWER SHOWN FOR REFERENCE ONLY. FOR MORE DETAILED INFORMATION, SEE WATER AND SEWER PLANS CONTRACT NO. 24-1894-D.
- DELAY CONSTRUCTION OF HOUSE ON LOT NUMBER 411 UNTIL PERMISSION TO REMOVE SEDIMENT TRAPS IS GRANTED BY THE SEDIMENT CONTROL INSPECTOR.
- STORM WATER MANAGEMENT IS PROVIDED UNDER LONG GATE SECTION 2, AREA 2 F 87-107 DETENTION TYPE.
- THE DEPARTMENT OF PLANNING AND ZONING REFERENCE NUMBERS ARE S 88-08, P 88-24, F 80-67, VP 88-54.
- APPROVED ROAD CONSTRUCTION PLANS SHALL BE USED FOR ALL PUBLIC UTILITIES.
- BAY WINDOWS, ORIEL, VESTIBULE, BALCONY OR CHIMNEY WHICH IS NOT MORE THAN 10 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY REQUIRED YARD IN ACCORDANCE WITH SECTION 126 OF THE HOWARD COUNTY ZONING REGULATIONS.

LOT NO.	GROSS AREA (SQ. FT.)	AREA OF PROSP. 25% STEEP SLOPES (SQ. FT.)	AREA OF EX. 25% STEEP SLOPES (SQ. FT.)	NET AREA (SQ. FT.)
408	6,000	378	---	5,622
409	6,000	215	---	5,785
410	6,000	100	---	5,900
411	6,100	30	---	6,070
412	6,411	284	---	6,127
413	6,420	836	---	5,583
414	6,271	558	---	5,713

SITE ANALYSIS

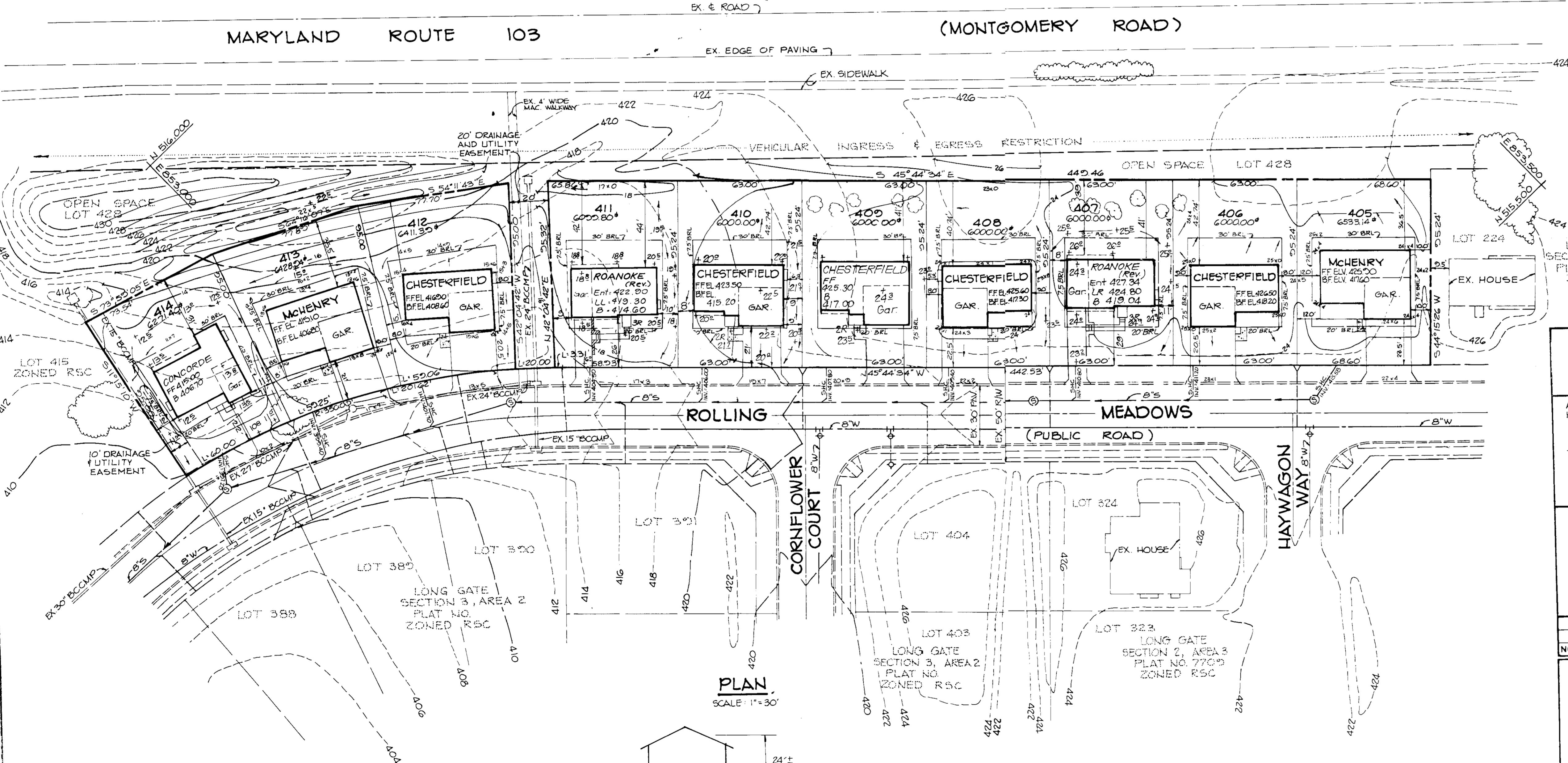
ZONING R F C
 UNIT TYPE S F D
 NO OF UNITS 10
 MAX. BLDG. COVERAGE PERMITTED 40 %
 TOTAL AREA OF LOTS 61,744 SF = 1.42 AC.



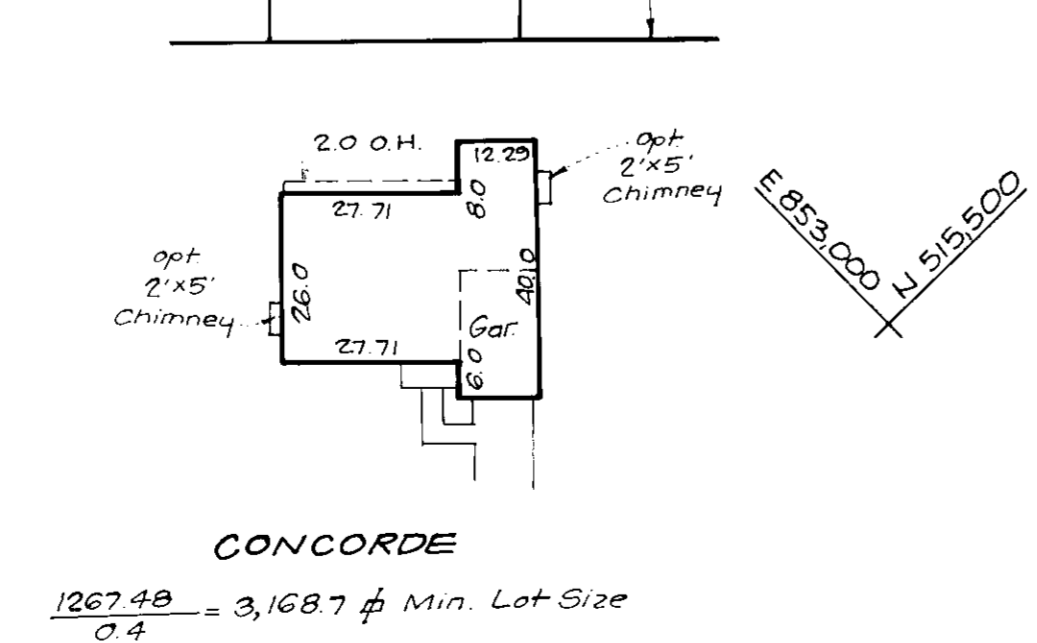
VICINITY MAP
SCALE: 1" = 200'

BENCH MARK DESCRIPTION

- BM # 3043001 - R
CONCRETE MONUMENT AT 2 IN TRANSMISSION LINES BACK OF SCHOOL.
- BM # 3043002 - R
CONCRETE MONUMENT 0.5' BELOW SURFACE 14' ± NW & OLD COLUMBIA PIKE 175' ± NE & COOKS LANE.



LOT NO.	STREET NAMES	LOT NO.	STREET NAMES
405	405	410	410
406	406	411	411
407	407	412	412
408	408	413	413
409	409	414	414



For Revision to berm by Clark, FineFrock and Sackett, Inc. Dated 12/18/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	<i>John J. Sullivan</i>	12-19-89
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<i>James P. Sullivan</i>	10.9.89
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	<i>William E. Sackett</i>	10.11.89
	<i>William E. Sackett</i>	10.24.89
	<i>William E. Sackett</i>	10.12.89

NO	DATE	REVISION

TRACY, SCHULTE & ASSOCIATES INC.
 planning • architecture • engineering
 8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105

OWNER SECURITY DEVELOPMENT CORP P.O. BOX 417 ELLICOTT CITY, MARYLAND 21043 (301) 465-4244	PROJECT LONG GATE SECTION 3 AREA 2 LOTS 405 THRU 414
DEVELOPER SECURITY DEVELOPMENT CORP P.O. BOX 417 ELLICOTT CITY, MARYLAND 21043 (301) 465-4244	LOCATION TAX MAP NO. 30 ZONING MAP NO. 30 PARCEL 10 2ND ELECTION DISTRICT HOWARD COUNTY MARYLAND
TITLE SITE DEVELOPMENT PLAN (SINGLE FAMILY DETACHED DWELLINGS)	DATE JULIE 1, 1989 OCTOBER 13, 1989
DES. JKT DRN CDT/KMN	PROJECT NO. 0193 SDF SCALE AS SHOWN DRAWING 1 OF 2

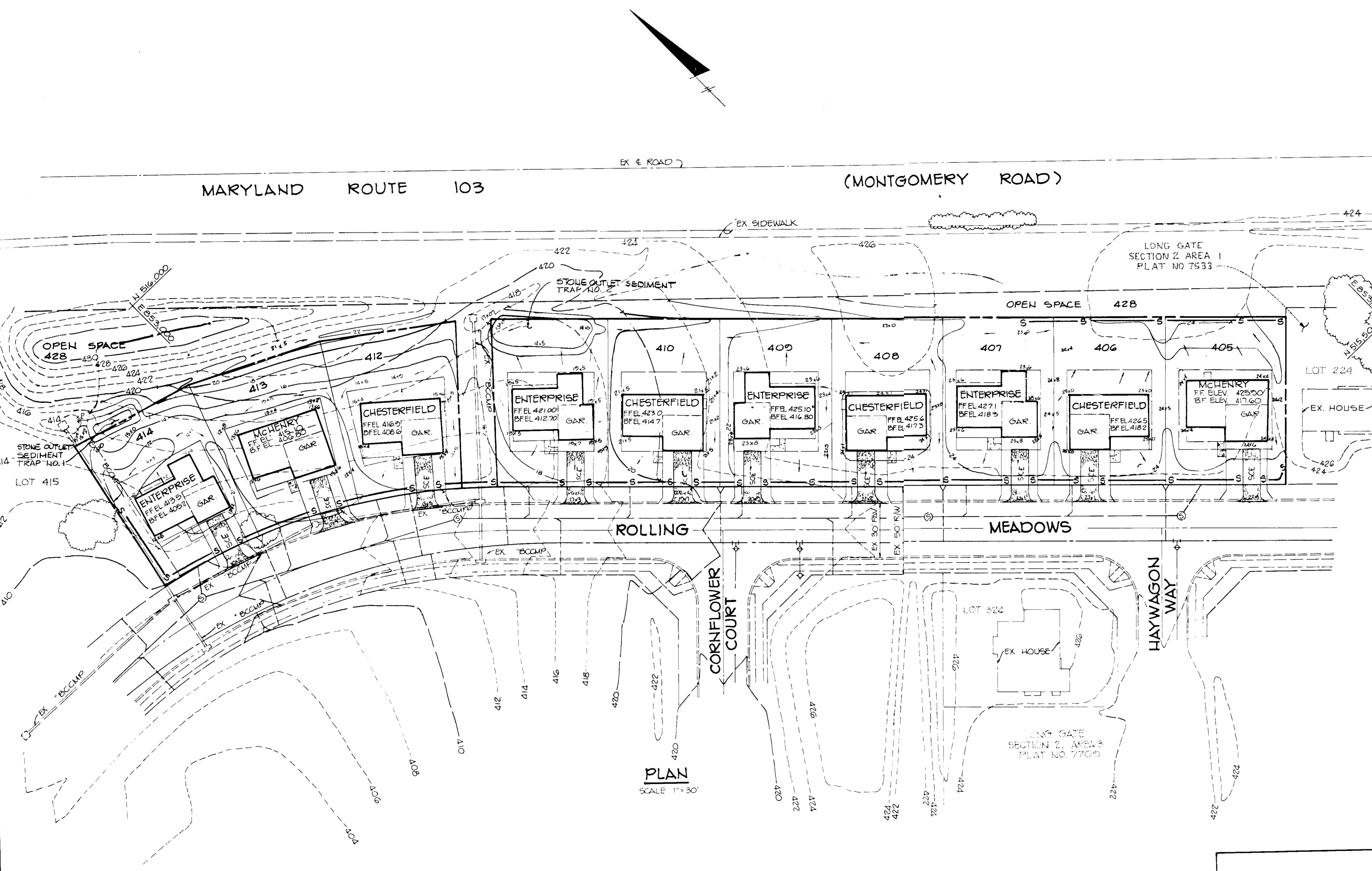
SUBDIVISION NAME LONG GATE	SECT./AREA 3/2	LOT NO. 405-414
PLAT #/L.F. 8897-8899	BLOCK # G	ZONE R5C
TAX./ZONE MAP/ELEC. DIST. 30	CENSUS TR. 2	CENSUS TR. G02B.02
WATER CODE G02	SEWER CODE S750G3B	

10-12-89

STONE OUTLET
SEDIMENT TRAP DATA

	NO. 1	NO. 2
DRAINAGE AREA	0.09 AC	0.58 AC
STORAGE REQUIRED	162 CF	1044 CF
STORAGE PROVIDED	250 CF	1125 CF
CREST ELEVATION	414.0	417.0
BOTTOM ELEVATION	412.5	414.5
CLEANOUT ELEVATION	412.5	415.3
BOTTOM DIMENSIONS	6'x22'	12'x50'

NOTE:
--- INDICATE LIMIT OF DRAINAGE AREA



BY THE DEVELOPER:
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

DEVELOPER: STEVEN K. BREEDEN, VP DATE: 10/13/89
SECURITY DEVELOPMENT CORPORATION - V.P.

BY THE ENGINEER:
"I 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."

ENGINEER: JAMES K. TRACY, P.E. DATE: 10/13/89

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
James K. Tracy DATE: 10/16/89
HOWARD SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
John R. Robertson DATE: 10/16/89
HOWARD S.C.D.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
James J. Godwin DATE: 10-19-89
COUNTY HEALTH OFFICER

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James J. Godwin DATE: 10-18-89
DIRECTOR

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Charles J. Schulte DATE: 10-24-89
DIRECTOR

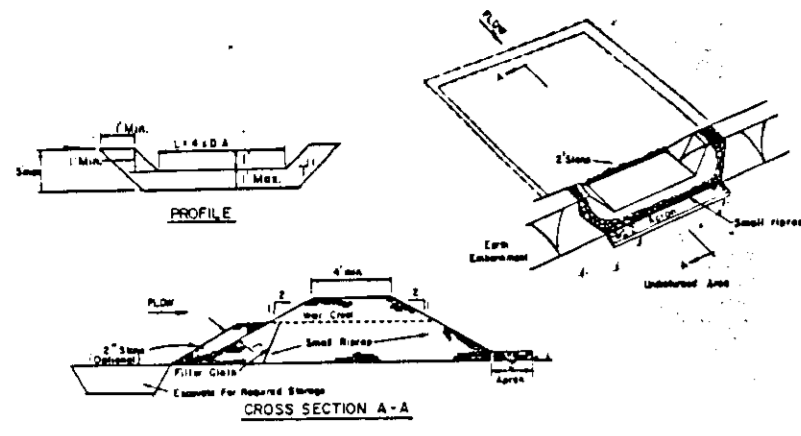
Frank J. Schulte DATE: 10/20/89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

NO.	DATE	REVISION

TRACY, SCHULTE & ASSOCIATES INC.
planning • architecture • engineering
8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105
James K. Tracy

OWNER SECURITY DEVELOPMENT CORP PO BOX 417 ELLICOTT CITY, MARYLAND 21043 (301) 465-4244	PROJECT LONG GATE SECTION 2, AREA 2 LOTS 405 THRU 414
DEVELOPER SECURITY DEVELOPMENT CORP PO BOX 417 ELLICOTT CITY, MARYLAND 21043 (301) 465-4244	LOCATION TAX MAP NO 30 ZONING MAP NO 30 PARCEL 10 2ND ELECTION DISTRICT HOWARD COUNTY MARYLAND
TITLE GRADING AND SEDIMENT CONTROL PLAN (SINGLE FAMILY DETACHED DWELLINGS)	DATE JUNE 1, 1989 OCTOBER 13, 1989
DES JKT	DRN CDT/KMN
10-12-89	SCALE AS SHOWN DRAWING 2 OF 3

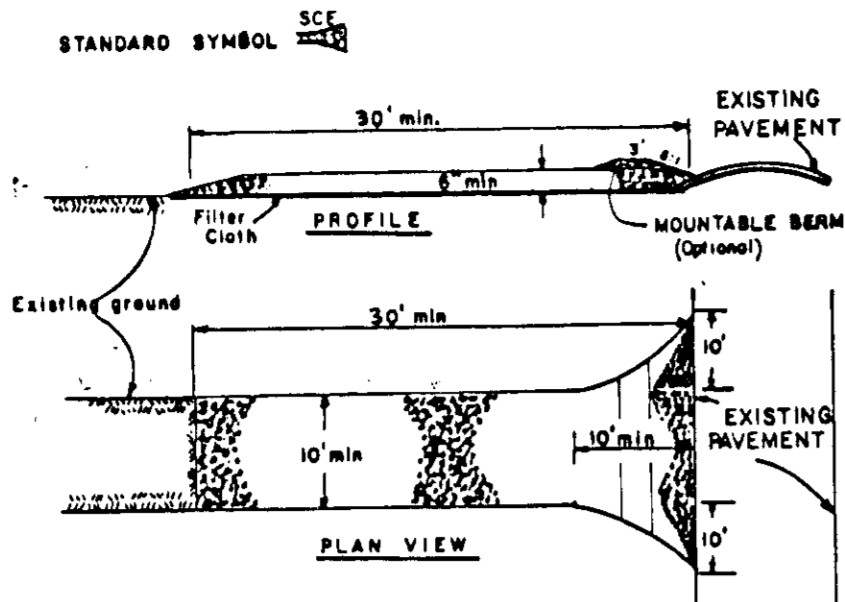
SDP-89-244



OFFICIAL: A one foot layer of 1/2" stone may be placed on the upstream side of the filter in place of the standard filter stone.

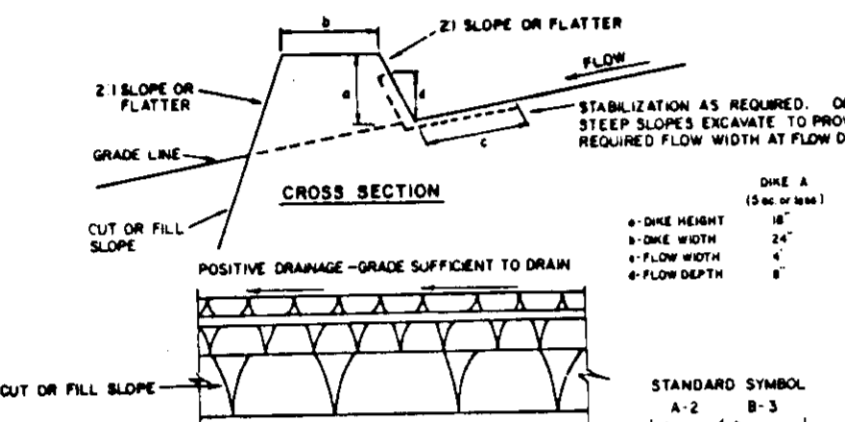
1. Stone outlet sediment traps shall be located on the upstream side of the filter in place of the standard filter stone.
2. The filter material for the sediment trap shall be 1/2" stone with a 1" thickness of 2" stone on top of the filter stone on the small trap (2' maximum filter stone in the trap).
3. All one and one half traps shall be 11' in length.
4. The stone used in the outlet shall be 1/2" stone with a 1" thickness of 2" stone on top of the filter stone on the small trap (2' maximum filter stone in the trap).
5. Construction materials shall be checked and tested to ensure that erosion and water infiltration is minimized.
6. The structure shall be removed and the area stabilized when the drainage area has been properly maintained.

STONE OUTLET SEDIMENT TRAP
NO SCALE



- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - Use 1" stone, or reclaimed or recycled concrete equivalent.
 2. Length - As required, but not less than 30 feet (except on a single rear-grass lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than 8" (6" inches).
 4. Width - Ten (10) foot minimum, but not less than the full width of the driveway 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 beam with 5:1 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 cleanup of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 8. Washing - Vehicles 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 trap device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE
NO SCALE

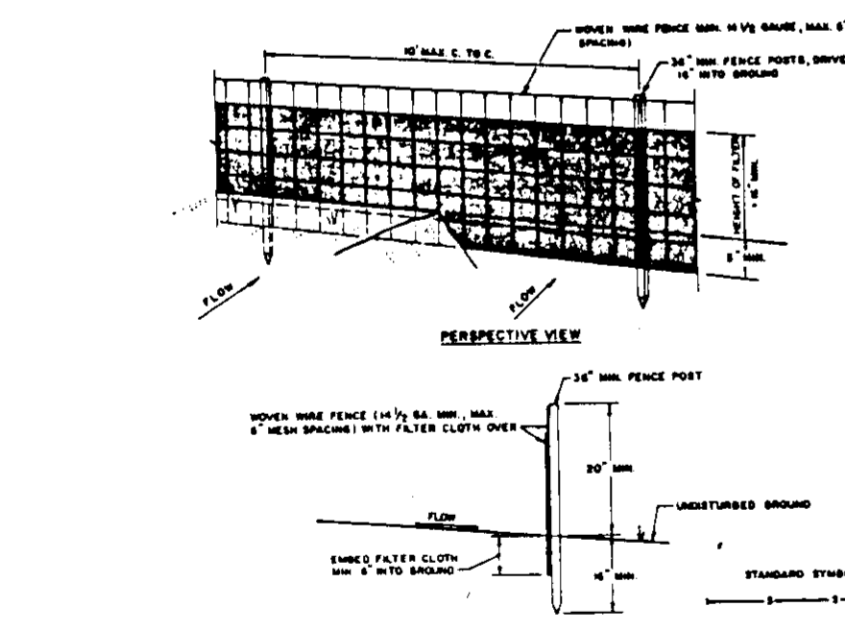


- SEQUENCE OF CONSTRUCTION**
- DAY 1-1. OBTAIN A GRADING PERMIT.
 - DAY 2-6. INSTALL SEDIMENT CONTROL DEVICES.
 - DAY 7-9. CLEAR AND GRUB SITE.
 - DAY 10-15. GRADE SITE AND STABILIZE ALL SLOPES IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
 - DAY 16-115. COMPLETE CONSTRUCTION ON ALL LOTS LEAVING LOT 413 UNTIL TRAP IS REMOVED.
 - DAY 116-119. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT TRAPS AND ALL REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
 - DAY 120-150. COMPLETE CONSTRUCTION ON LOT 411 AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
 - DAY 151-153. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.

NOTE: STORMWATER MANAGEMENT FOR THIS SITE IS PROVIDED UNDER LONG GATE, SECTION 3, AREA 1, P-89-43.

- CONSTRUCTION SPECIFICATIONS**
1. ALL DISES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
 2. ALL DISES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
 3. TOP WIDTH MAY BE WIDER AND SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
 4. FIELD LOCATION SHALL BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
 5. EARTH DISES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. DISES SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR TRAP BASIN WHERE EITHER THE DISE CHANNEL OR THE DRAINAGE AREA ABOVE THE DISE ARE NOT SEPARATELY 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 FOR THE CHART BELOW.

EARTH DIKE
NO SCALE



- CONSTRUCTION NOTES FOR ENHANCED SILT FENCE**
1. WHEN WIRE FENCE IS FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOOD SIDE FACE WITH TIES, SPACED EVERY 2' AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FASTENED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL PROVIDED WHEN NEEDED DEVELOP IN THE SILT FENCE.

SILT FENCE
NO SCALE

- SEDIMENT CONTROL NOTES**
1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, BARRIERS, PERIMETER SLOPES AND ALL BUFFER GREATER THAN 3:1; b) 14 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (Sec. 511.500 (Sec. 51)), 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 PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 7. SITE ANALYSIS:
 - TOTAL AREA OF SITE: 1.49 ACRES
 - AREA DISTURBED: 1.49 ACRES
 - AREA TO BE ROOFED OR PAVED: 0.58 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED: 0.91 ACRES
 - TOTAL CUT: 2400 CU. YDS.
 - TOTAL FILL: 2800 CU. YDS.
 - OPPOSITE WASTE/BORROW AREA LOCATION: GP-85-H
 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 DPM SEDIMENT CONTROL INSPECTOR.
 10. ALL SEDIMENT TRAPS 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.

PERMANENT SEEDBED PREPARATION

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 105/1000 sq ft) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 105/1000 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 UREA-FORM FERTILIZER (95 105/1000 sq ft).
- 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 105/1000 sq ft) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 105/1000 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 (1.4 105/1000 sq ft) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS OF KEEPING 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 SOU. OPTION (3) SEED WITH 60 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF WELL ANCHORED STRAW.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 105/1000 sq ft) OF UNROTATED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 90/1000 sq ft) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 90/1000 sq ft) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDBED PREPARATION

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

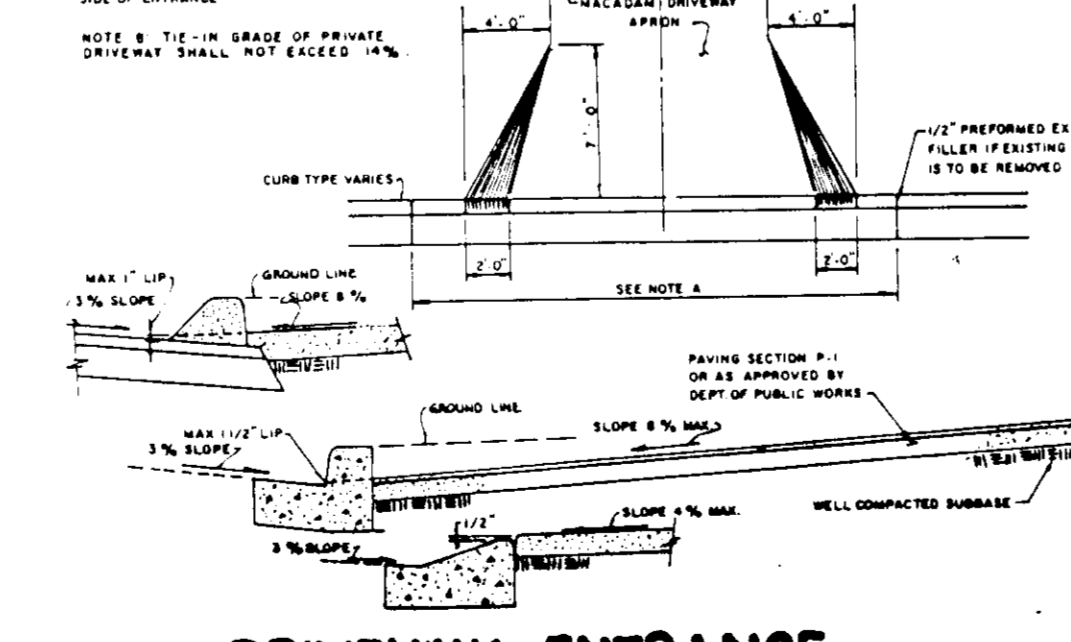
SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 105/1000 sq ft).

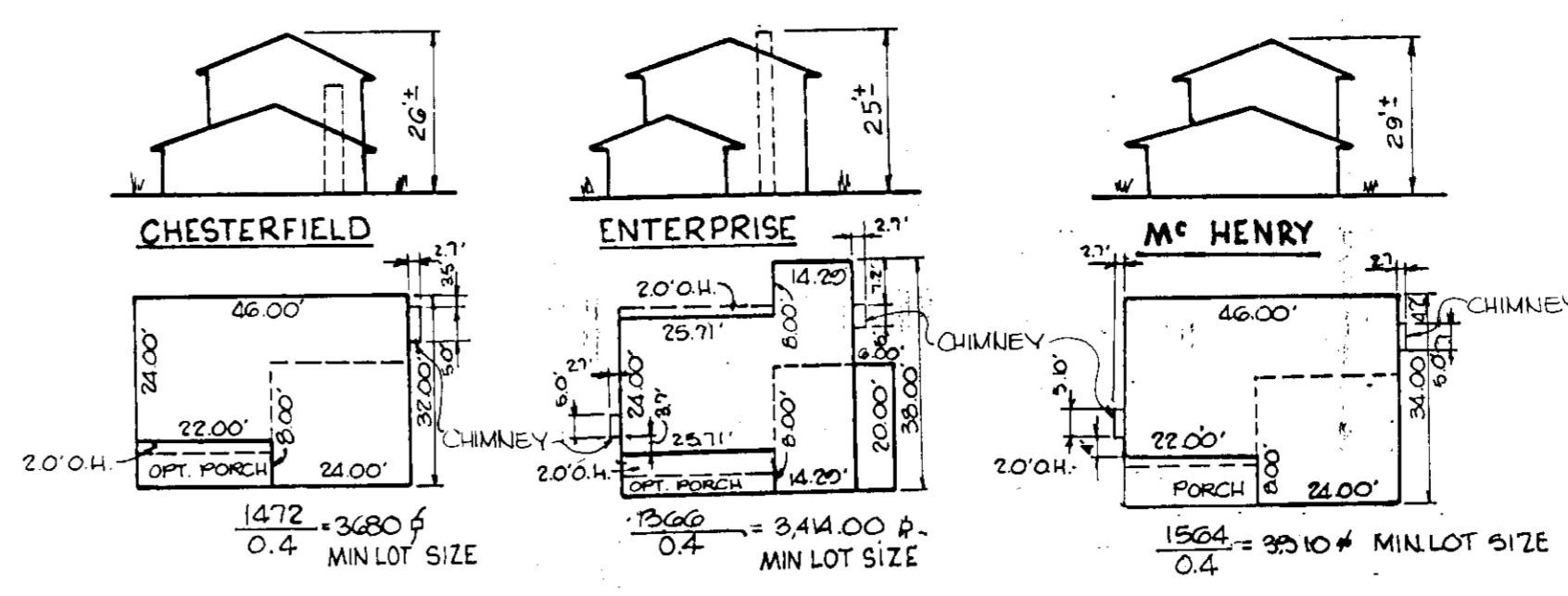
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 105/1000 sq ft) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING LOVEGRASS (1.07 105/1000 sq ft). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOU.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 105/1000 sq ft) OF UNROTATED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 90/1000 sq ft) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT. OR HIGHER, USE 340 GALLONS PER ACRE (8 90/1000 sq ft) FOR ANCHORING.

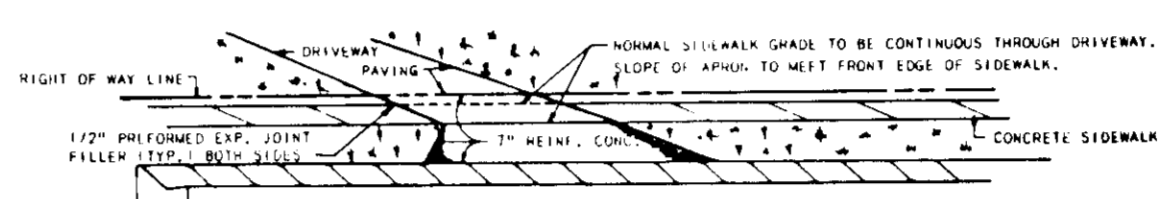
REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



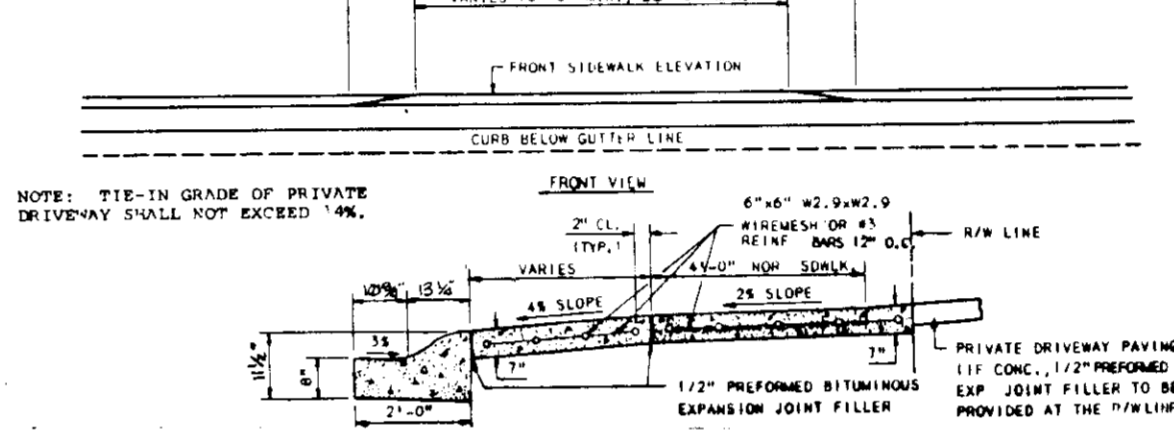
DRIVEWAY ENTRANCE
ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK
NO SCALE



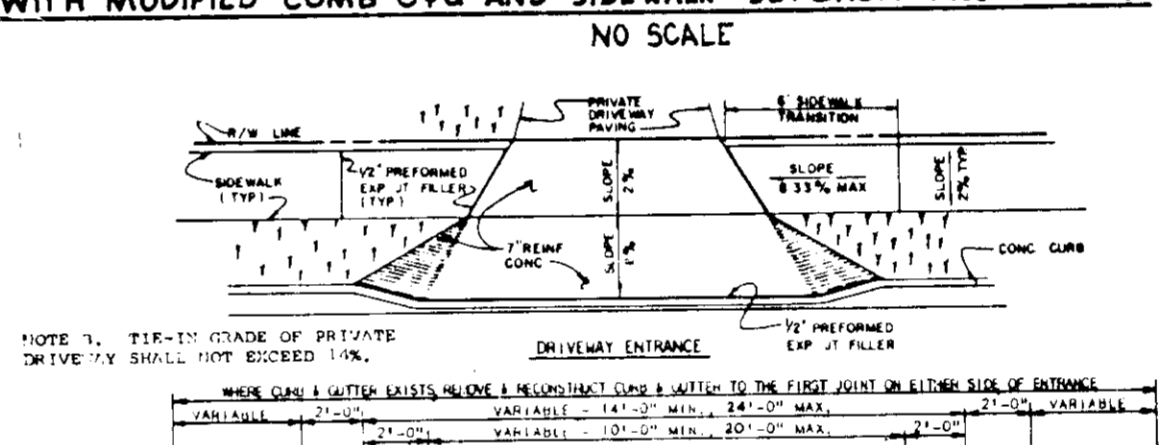
TYPICAL HOUSE SCHEMATICS
NO SCALE



DRIVEWAY ENTRANCE
WITH MODIFIED COMB C&G AND SIDEWALK SETBACK FROM CURB
NO SCALE



DRIVEWAY ENTRANCE
WITH STANDARD 7" COMB C&G AND SIDEWALK SETBACK FROM CURB
NO SCALE



SIDEWALK DETAIL
NO SCALE

BY THE DEVELOPER:
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."
St. L. Bud
DEVELOPER: STEVEN K. BREEDEN V.P.
5/21/89 DATE

BY THE ENGINEER:
"I 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."
James K. Tracy
ENGINEER: JAMES K. TRACY, P.E.
5/31/89 DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
Joseph M. Helm
U.S. SOIL CONSERVATION SERVICE
10/16/89 DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
John L. Robertson
HOWARD S.C.D.
10/16/89 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
John L. Robertson
COUNTY HEALTH OFFICER
10-19-89 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James P. Schulte
DIRECTOR
10-18-89 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
James P. Schulte
CHIEF, BUREAU OF ENGINEERING
10-18-89 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Walter J. Schulte
DIRECTOR
10-24-89 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Walter J. Schulte
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
10-24-89 DATE

NO	DATE	REVISION
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TRACY, SCHULTE & ASSOCIATES INC.
planning • architecture • engineering
8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105

OWNER: SECURITY DEVELOPMENT CORP.
P.O. BOX 417
ELLCOTT CITY, MARYLAND 21043
(301) 465-4244

PROJECT: LONG GATE
SECTION 3, AREA 2
LOT 405-414
LOCATION: TAX MAP NO. 30
ZONING MAP NO. 30 PARCEL 18
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: DETAILS
DATE: JUNE 1, 1989
OCTOBER 13, 1989
PROJECT NO. 0103
SCALE: AS SHOWN
DRAWING 3 OF 3

DES. DAM DRN. EJS
SDP-89-244

10-12-89