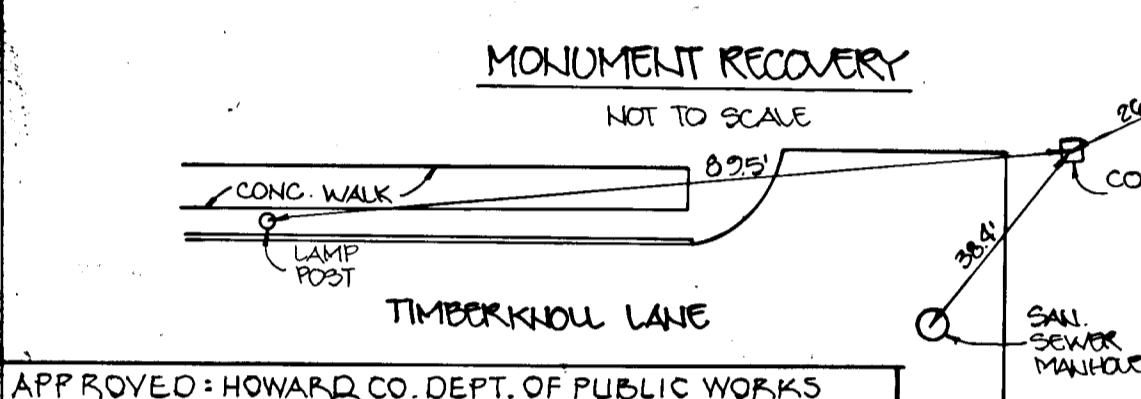


GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION.
2. ANY DAMAGES INCURRED WITHIN THE PUBLIC RIGHT OF WAY SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.



APPROVED: HOWARD CO. DEPT. OF PUBLIC WORKS

Donald Mass 3/13/89
CHIEF: LAND DEVELOPMENT DIVISION DATE

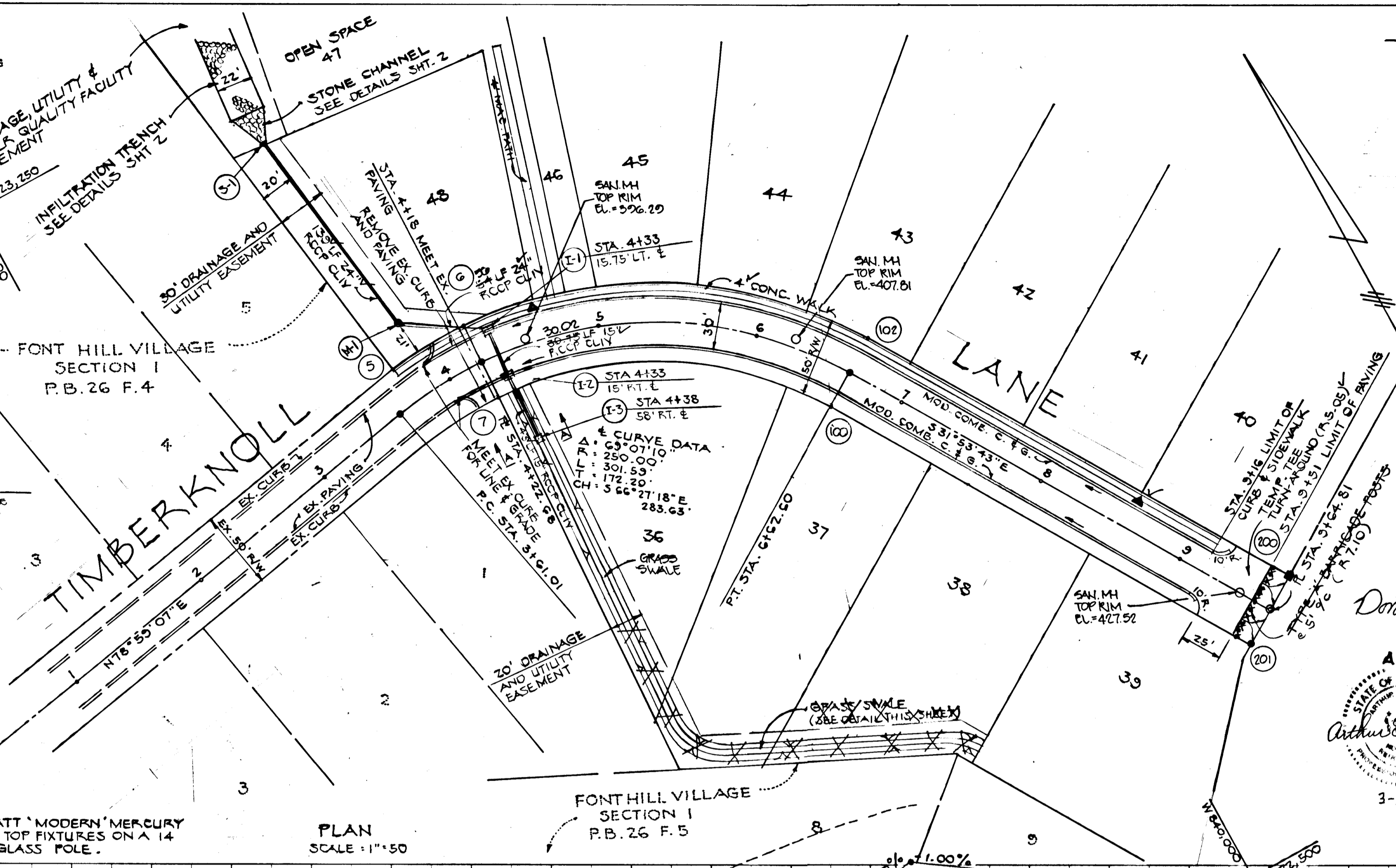
Charles W. Welland 3/15/89
CHIEF: BUREAU OF ENGINEERING DATE

Charles W. Welland 3/14/89
CHIEF: BUREAU OF HIGHWAYS DATE

APPROVED: OFFICE OF PLANNING AND ZONING

Frank J. D'Angelo 3/2/89
CHIEF: COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

▲ DENOTES 175-WATT MODERN MERCURY VAPOR LAMP POST TOP FIXTURES ON A 14 FOOT GRAY FIBER GLASS POLE.



POINT	ELEVATION	DESCRIPTION
5	391.13	REBAR: CAP
6	394.25	REBAR: CAP
7	394.81	REBAR: CAP
100	410.60	REBAR: CAP
102	410.74	DRILL HOLE IN DRIVEWAY
200	436.15	CONCRETE MON.
201	423.15	REBAR: CAP

STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP	REMARKS
I-1	A-10 W/ DEFLECTORS	388.71	388.76	384.75	30.4.02
I-2	S-COMB.	389.84	389.71	384.45	30.4.32
I-3	D'	389.24	389.34	384.33	30.4.11 *
M-1	SHALLOW MH	389.29	389.00	384.00	6.5.05
M-2	STD. MH	389.40	389.00	384.00	6.5.12
M-3	SHALLOW MH	389.33	389.13	384.50	6.5.05
S-1	CONC. END SECTION	-	-	-	5.0.5.51
S-2	C-ENOVALL	389.51	389.50	384.51	30.5.21
M-2A	SHALLOW MH	389.59	389.33	384.51	30.5.05

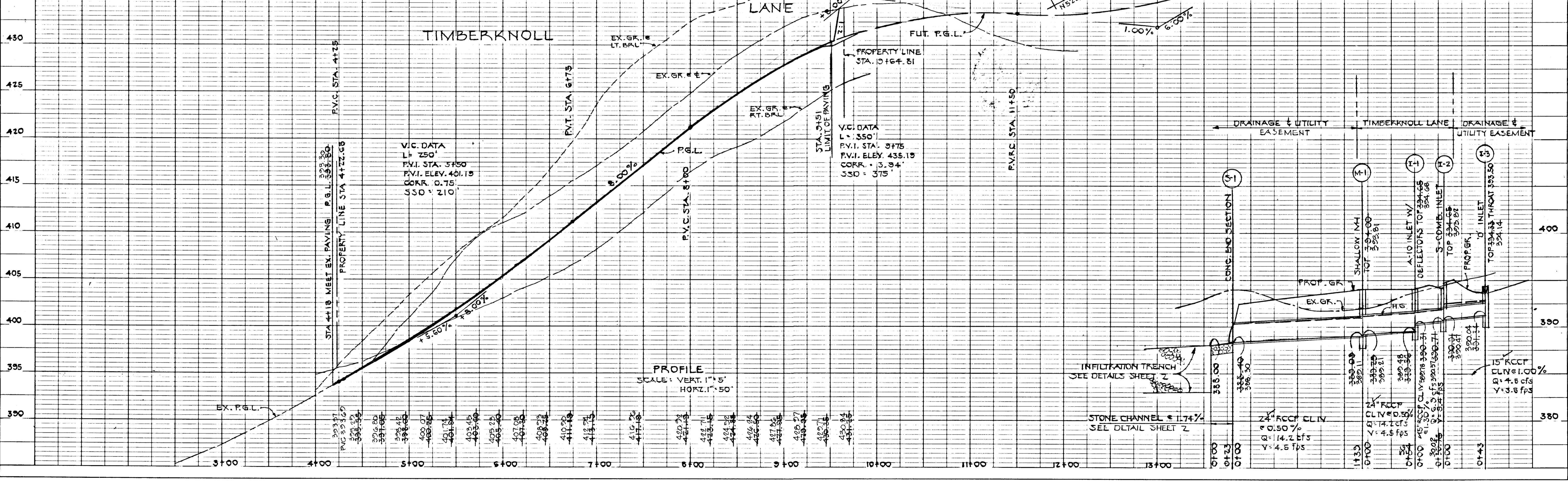
FONT HILL VILLAGE SECTION 5
2ND ELECTION DISTRICT
HOWARD COUNTY, MD.

TIMBERKNOLL LANE PLAN AND PROFILE.

OWNER AND DEVELOPER
FONT HILL JOINT VENTURE
9100-A EDGE WORTH DRIVE
CAPITAL HEIGHTS, MD 20743

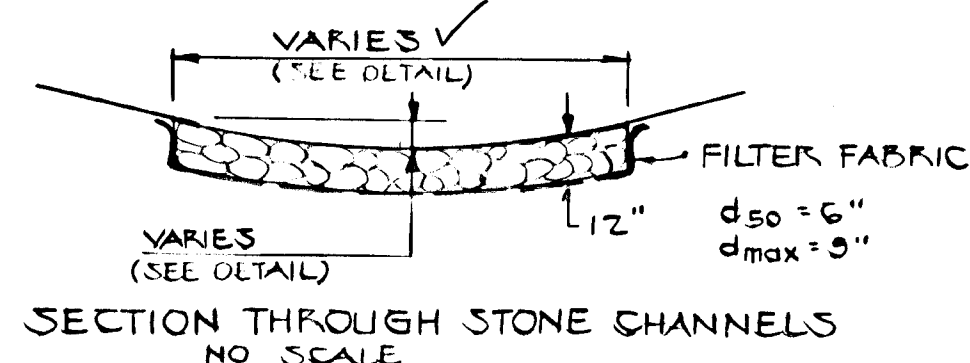
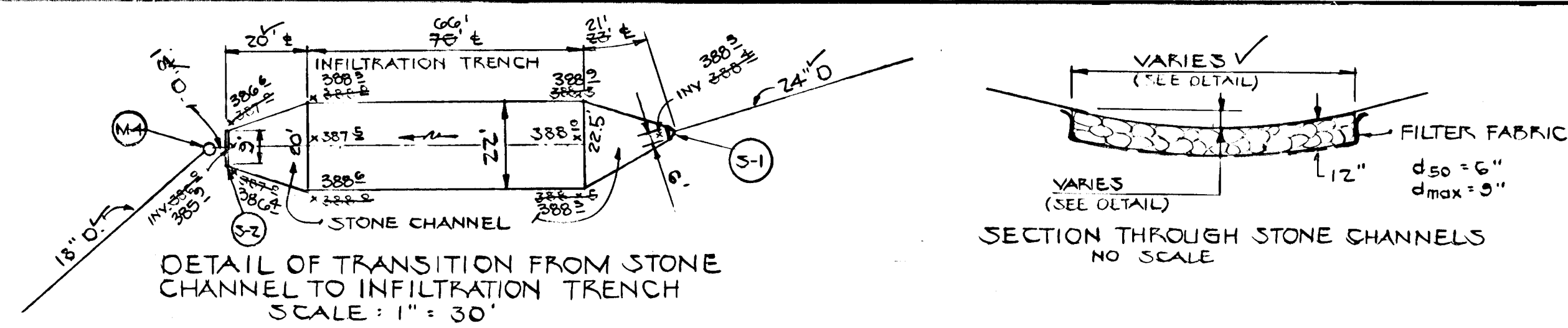
SCALE: AS SHOWN DATE 2-1-88 DWG. NO. 1 OF 5
DES. D.B. DRN. D.B. CHK. A.L.

HARFORD DRAFTING AND DESIGN, INC.
601 CHARWOOD COURT
EDGEWOOD, MD. 21040



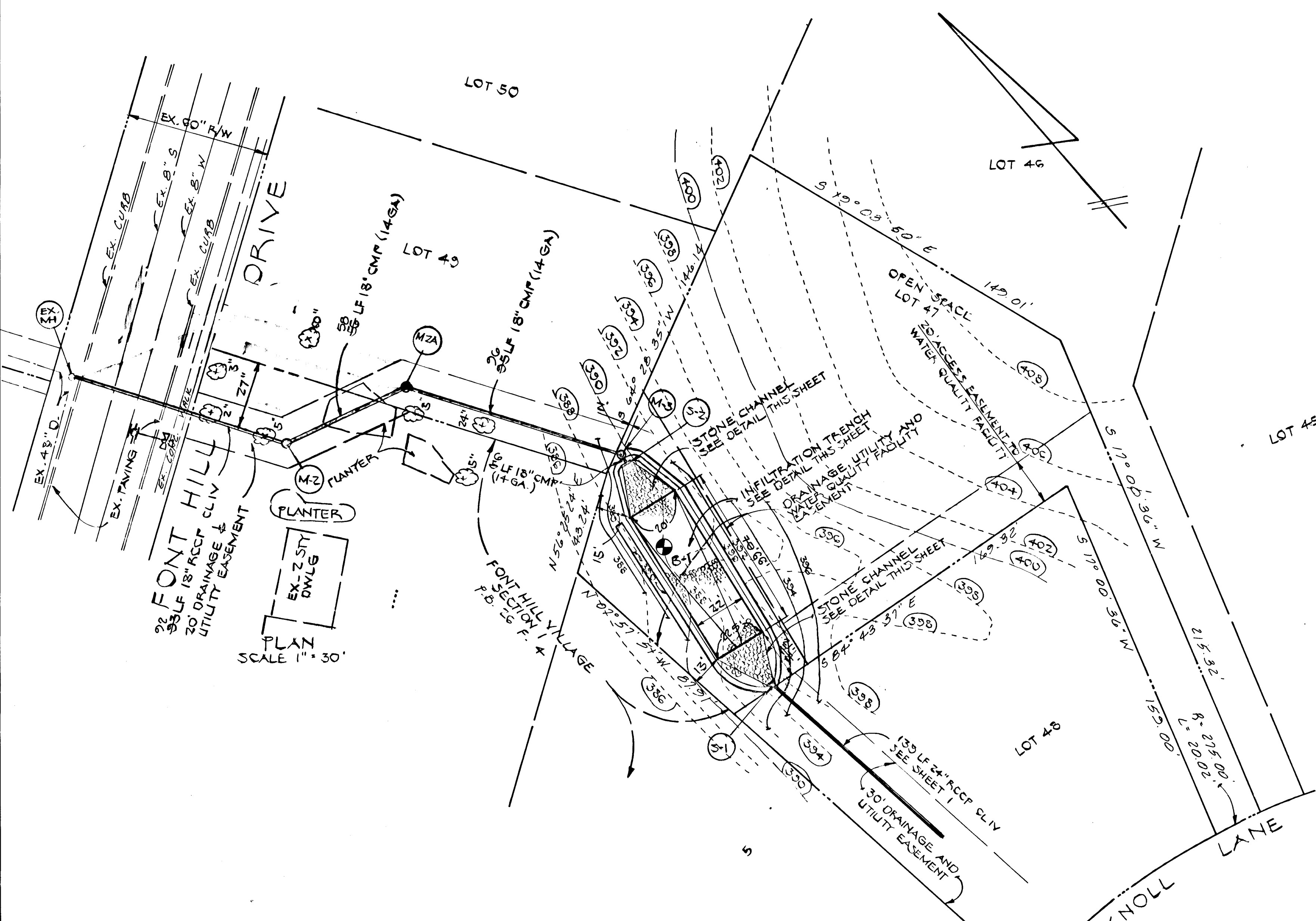
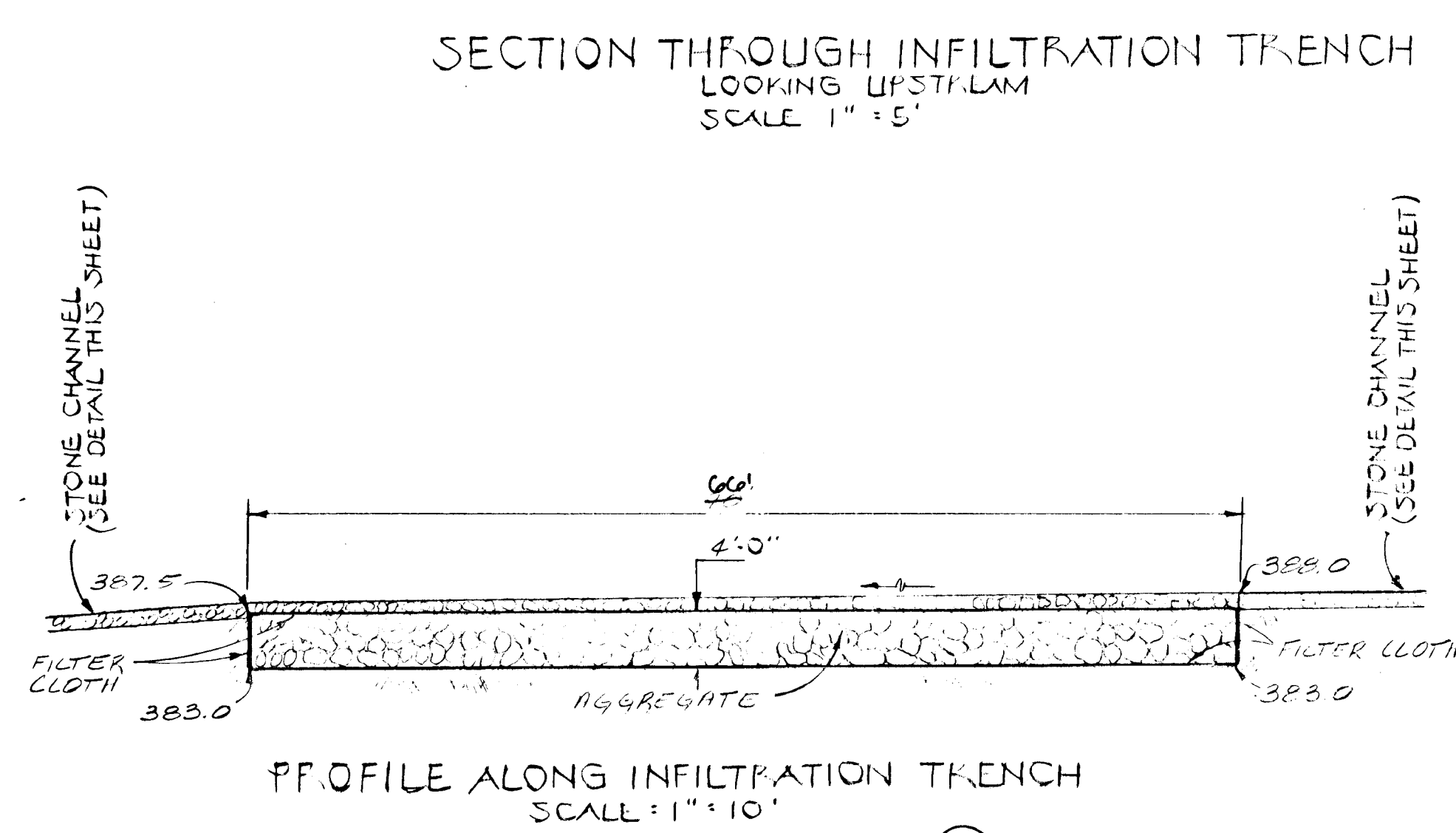
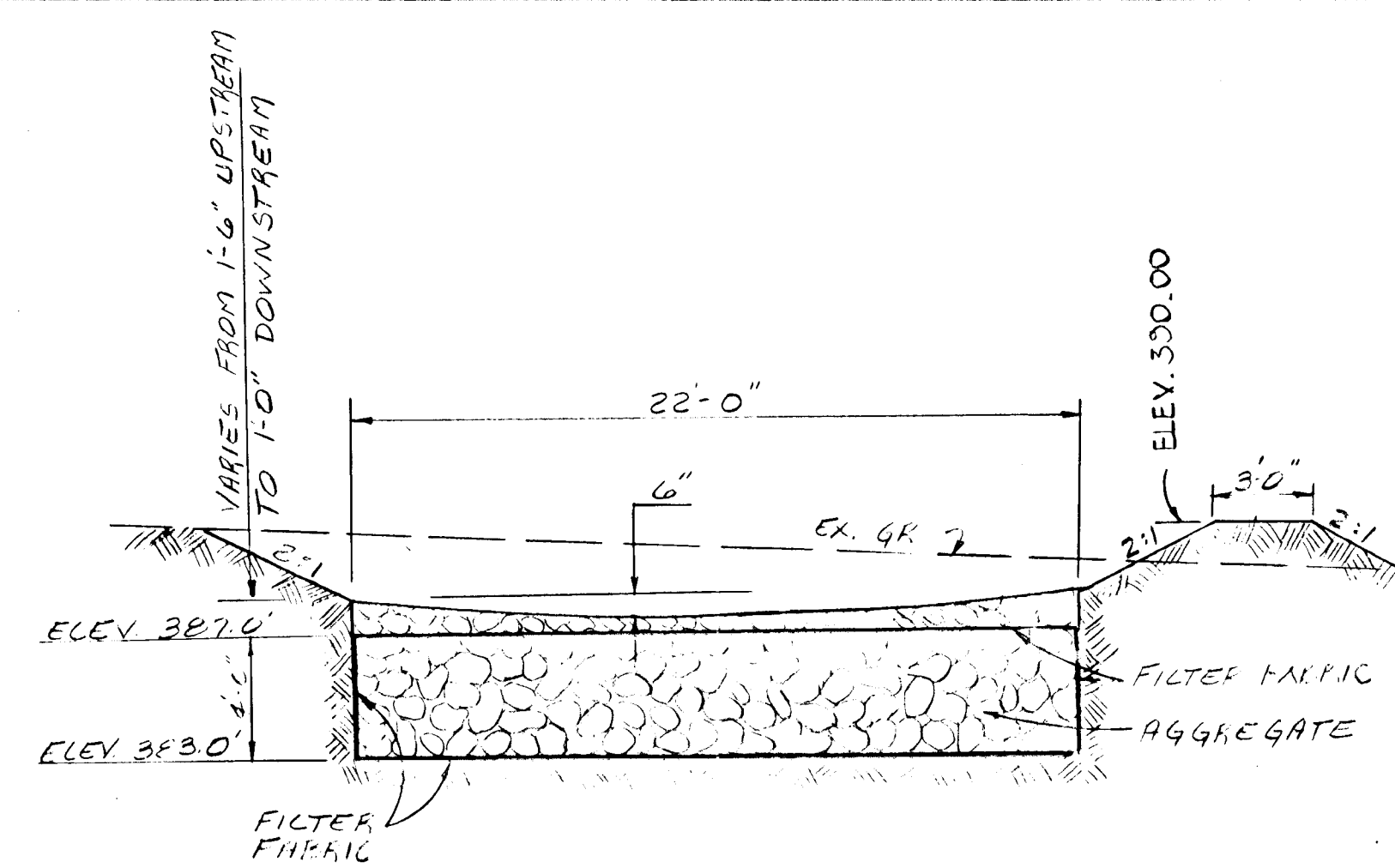
DATE
BY
SURVEYED
PLOTTED
CHECKED
DATE

DATE
BY
SURVEYED
PLOTTED
CHECKED
DATE



BORING NO. 1

BR. MOIST CLAY & SILT SOME OF SAND TRACE ROCK FRAGS	CL	300.0
	SL	307.0
BR. MOIST OF SAND SOME SILT TRACE ROCK FRAGS TRACE MICA	SL	381.0



CONSTRUCTION NOTES FOR INFILTRATION TRENCH

- The aggregate material for the infiltration trench shall consist of a clean aggregate with a maximum diameter of 3 inches and a minimum diameter of 1 1/2 inches. The aggregate shall be graded such that there will be few aggregates smaller than the selected size.
- The aggregate fill material shall be completely surrounded with an engineering filter fabric between elevation 383.0 and 387.0 as shown on the details on this sheet.

Timing
An infiltration trench shall not be constructed or placed in service until all of the contributing drainage area has been stabilized and approved by the responsible inspector.

Trench Preparation
Excavate the trench to the design dimensions. Excavated materials shall be placed away from the trench sides to enhance trench wall stability. Large tree roots must be trimmed flush with the trench sides in order to prevent fabric puncturing or tearing during subsequent installation procedures. The side walls of the trench shall be roughened where sheared and sealed by heavy equipment.

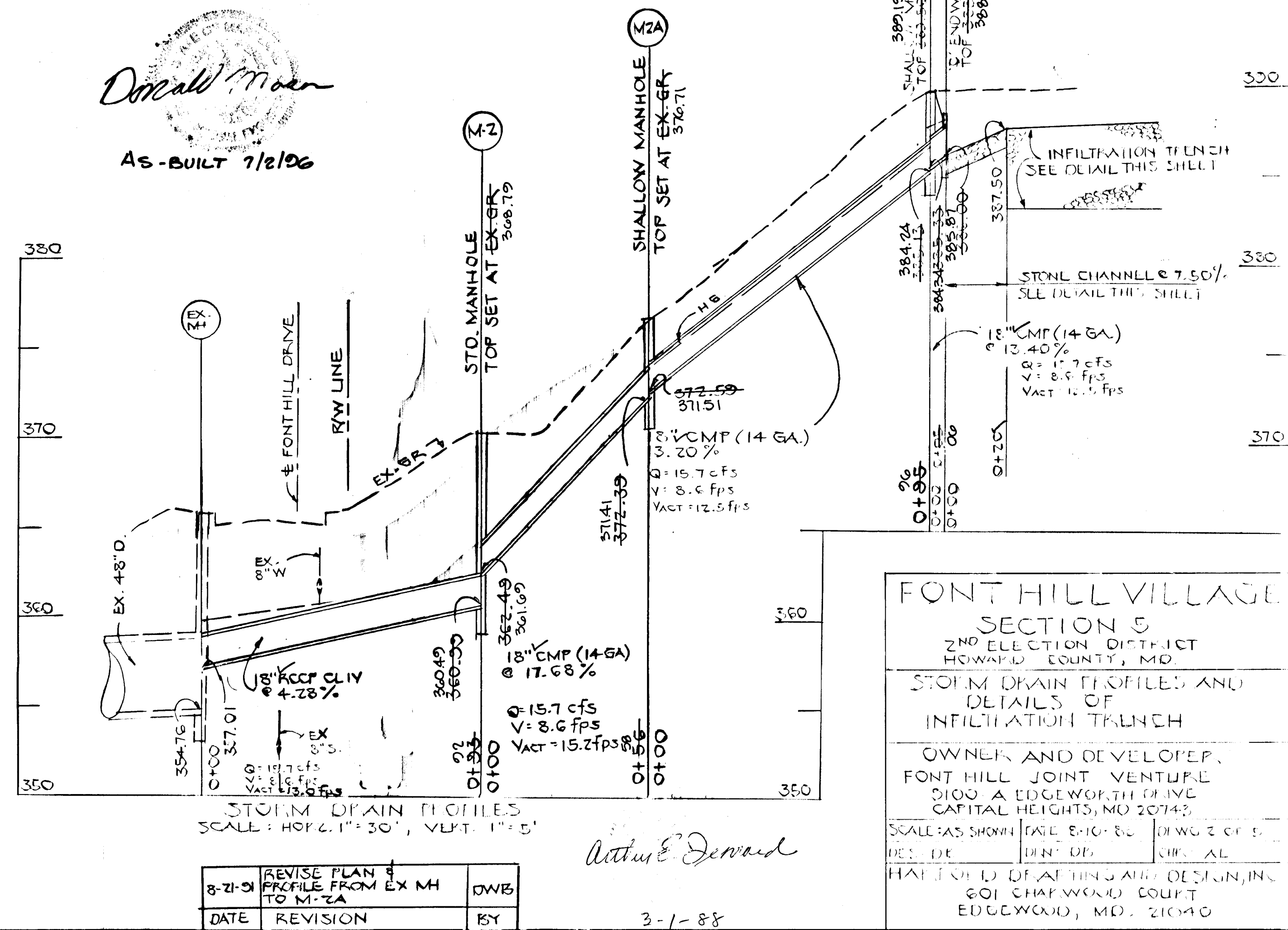
Fabric Laydown
The filter fabric roll must be cut to the proper width prior to installation. The cut width must include sufficient material to conform to trench perimeter irregularities and for a 6-inch minimum top overlap. Place the fabric roll over the trench and unroll a sufficient length to allow placement of the fabric down into the trench. Stones or other anchoring objects should be placed on the fabric at the edge of the trench to keep the lined trench open during windy periods. When overlaps are required between rolls, the upstream roll should lap a minimum of 2 feet over the downstream roll in order to provide a shingled effect. The overlap ensures fabric continuity or to ensure that the fabric conforms to the excavation surface during aggregate placement and compaction.

Stone Aggregate Placement and Compaction
The stone aggregate should be placed in lifts and compacted using plate compactors. As a rule of thumb, a maximum loose lift thickness of 12 inches is recommended. The compaction process ensures fabric conformity to the excavation sides, thereby reducing the potential for soil piping, fabric clogging, and settlement problems.

Overlapping and Covering
Following the stone aggregate placement, the filter fabric shall be folded over the stone aggregate to form a 6" minimum longitudinal lap. The desired fill soil or stone aggregate shall be placed over the lap at sufficient intervals to maintain the lap during subsequent backfilling.

Contamination
Care shall be exercised to prevent natural or fill soils from intermixing with the stone aggregate. All contaminated stone aggregate shall be removed and replaced with uncontaminated stone aggregate.

VOIDS BEHIND FABRIC
VOIDS can be created between the fabric and excavation sides and shall be avoided. Removing boulders or other obstacles from the trench walls is one source of such voids. Natural soils should be placed in these voids at the most convenient time during construction to ensure fabric conformity to the excavation sides. Soil piping, fabric clogging, and possible surface subsidence will be avoided by this remedial process.



APPROVED: HOWARD COUNTY DEPT OF PUBLIC WORKS
 Chief: LAND DEVELOPMENT DIVISION
 DATE: 3/13/88
 Chief: BUREAU OF ENGINEERING
 DATE: 3/15/88
 Chief: BUREAU OF HIGHWAYS
 DATE: 3/14/88
 APPROVED: OFFICE OF PLANNING & ZONING
 Date: 3-21-88
 Chief: DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

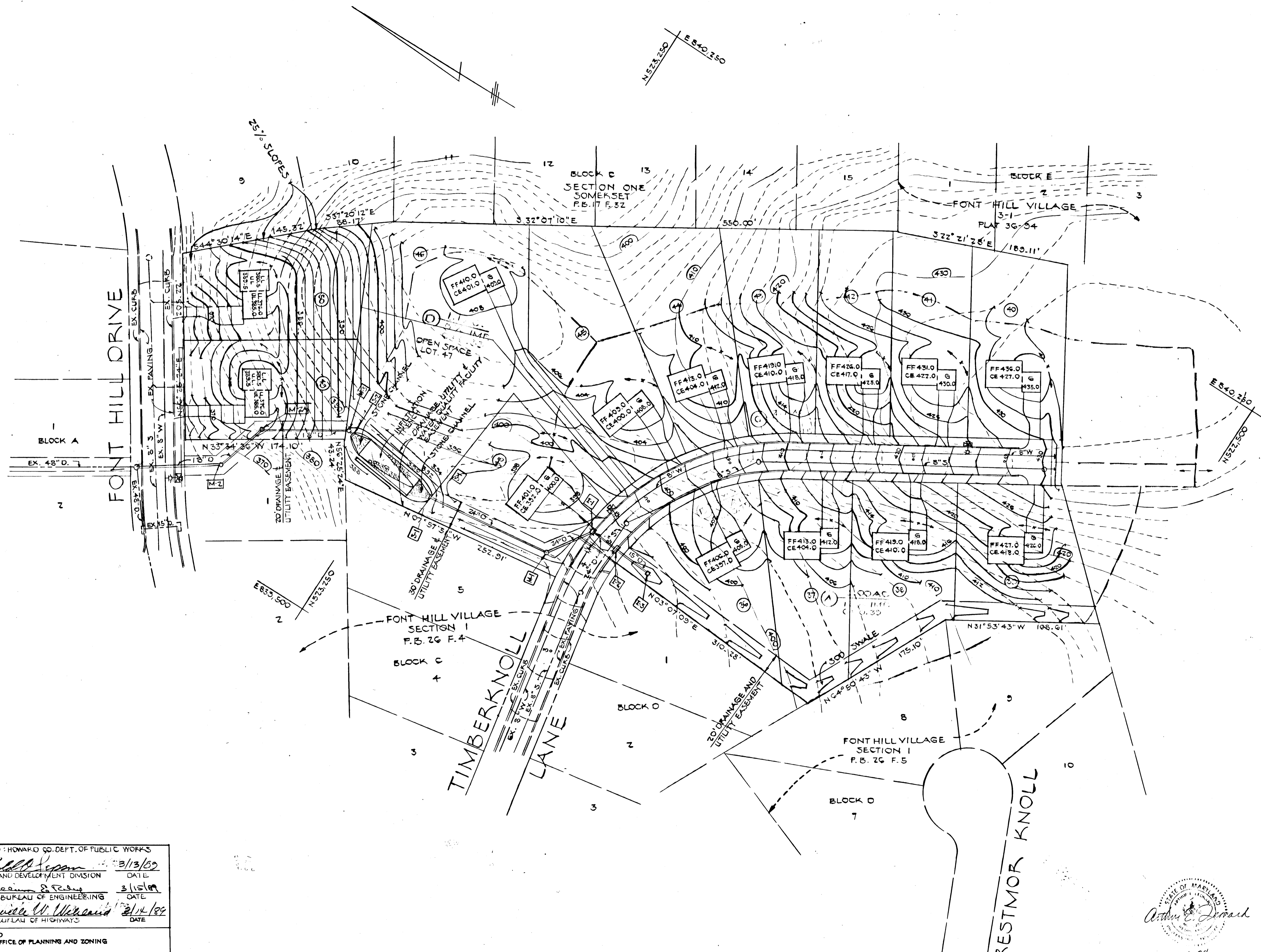
Donald M...
AS-BUILT 7/2/86

Arthur E. Demand

FONT HILL VILLAGE SECTION 5
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MD
 STORM DRAIN PROFILED AND DETAILS OF INFILTRATION TRENCH
 OWNER AND DEVELOPER: FONT HILL JOINT VENTURE
 2100 A EDGEWORTH DRIVE
 CAPITAL HEIGHTS, MD 20743
 SCALE: AS SHOWN (DATE: 8-10-80) (DRAWN BY: J. S. ...)
 DATE: 3-1-88
 HATFIELD DEPARTMENT OF DESIGNING
 201 CHAPWOLD COURT
 EDGEWOOD, MD 21040

8-21-81	REVISE PLAN & PROFILE FROM EX MH TO M-2A	DWB
DATE	REVISION	BY

3-1-88



APPROVED: HOWARD CO. DEPT. OF PUBLIC WORKS

Donald H. Sisson 3/13/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE

James W. Sisson 3/15/89
 CHIEF, BUREAU OF ENGINEERING DATE

Franklin W. W. Sisson 3/14/89
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED
 OFFICE OF PLANNING AND ZONING

Franklin W. W. Sisson 3-21-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

PLAN
 SCALE: 1" = 50'

8-21-81	REVISE STORM DRAIN FROM EX. M4 TO M-2 A	OWB
DATE	REVISION	BY

FONT HILL VILLAGE SECTION 5
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MD.

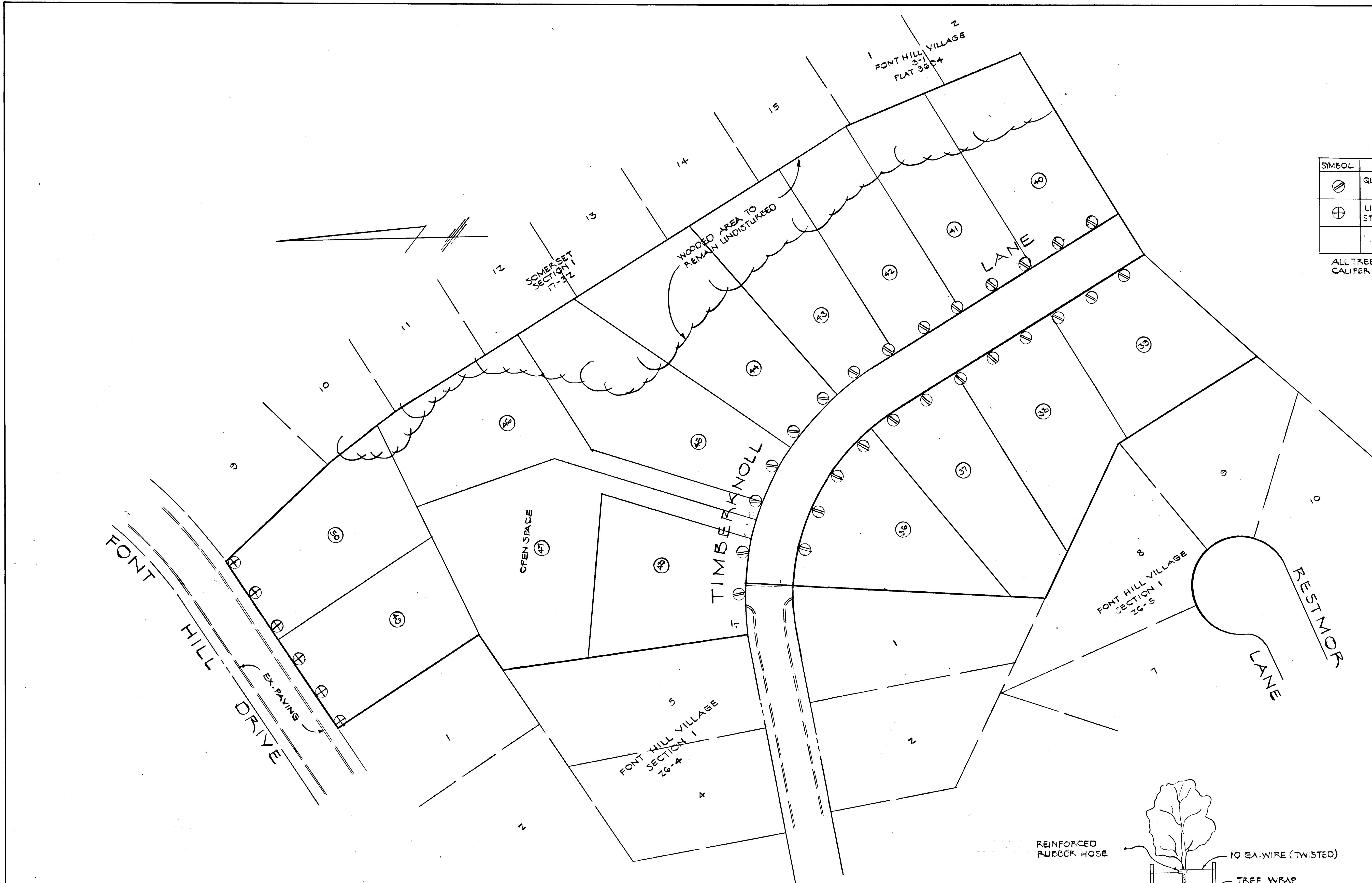
DRAINAGE AREA MAP AND GRADING PLAN

OWNER AND DEVELOPER,
 FONT HILL JOINT VENTURE
 9100-A EDGEWORTH DRIVE
 CAPITAL HEIGHTS, MD. 20743

SCALE AS SHOWN DATE 2-1-88 DRWG. 4 OF 5
 DES.: DB DRN.: DB CHK.: AL

HARFORD DRAFTING AND DESIGN, INC.
 601 CHARWOOD COURT
 EDGEWOOD, MD. 21040



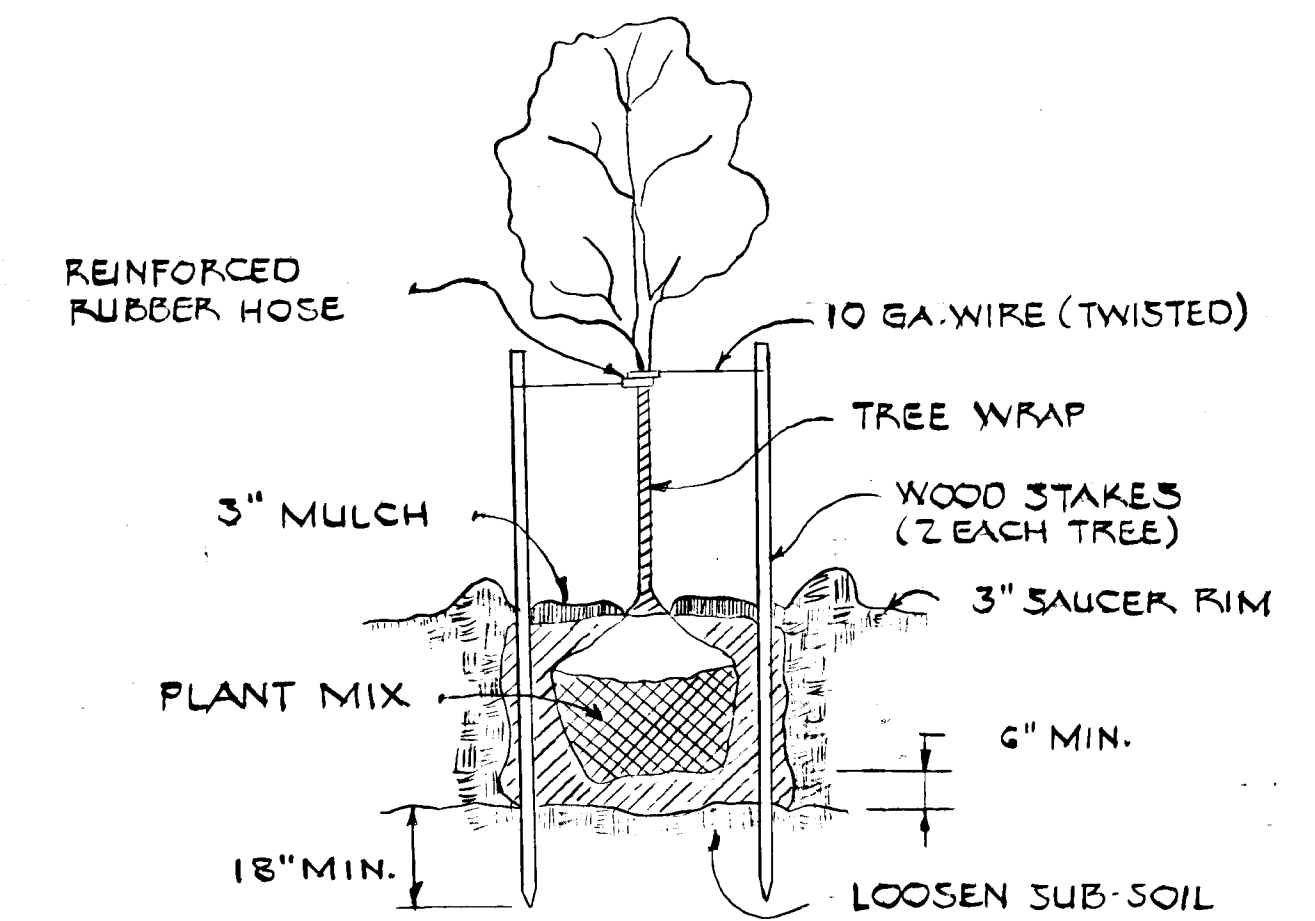


PLANT LIST

SYMBOL	NAME	QUANTITY
⊖	QUERCUS PALUSTRIS - PIN OAK	26
⊕	LIQUIDAMBER STYRACIFLUA - SWEET GUM	6

ALL TREES SHALL BE A MINIMUM OF 2 1/2 IN. CALIPER AND 8' MIN. HIGH.

PLAN SCALE: 1" = 50'



STAKING DETAIL

APPROVED: HOWARD CO. DEPT. OF PUBLIC WORKS
 [Signature] 3/13/89
 CHIEF: LAND DEVELOPMENT DIVISION DATE
 [Signature] 3/15/89
 CHIEF: BUREAU OF ENGINEERING DATE
 [Signature] 3/17/89
 CHIEF: BUREAU OF HIGHWAYS DATE
 APPROVED
 OFFICE OF PLANNING AND ZONING
 [Signature] 3/21/89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

FONT HILL VILLAGE
 SECTION 5
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MD.

STREET TREE
PLAN

OWNER AND DEVELOPER,
 FONT HILL JOINT VENTURE
 3100 -A EDGEWORTH DRIVE
 CAPITAL HEIGHTS, MD. 20743

SCALE: AS SHOWN DATE: 2-1-88 DRWG. 5 OF 5
 DES: DB ORN: DB CHK: AL
 HARFORD DRAFTING AND DESIGN, INC.
 601 CHARWOOD COURT
 EDGEWOOD, MD. 21040

Arthur Leonard

3-187