

LANDSCAPED ISLANDS:
 AREA OF PARKING LOT: 89,708 S.F. (5% ISLAND REQ'D.)
 AREA OF LANDSCAPED ISLAND PROVIDED: 6,016 S.F. OR 6.7%

PARKING TABULATIONS:
 1. BANK 2,700 S.F. / SPACE / 200 S.F. = 14 SPACES (1 H.C. + 13 REG.)

2. RETAIL CENTER
 - UPPER LEVEL: 28,400 S.F. @ 1 SPACE / 200 S.F.
 PARKING SPACES REQ'D: 142
 - LOWER LEVEL: 10,400 S.F. @ 1 SPACE / 200 S.F.
 PARKING SPACES REQ'D: 52

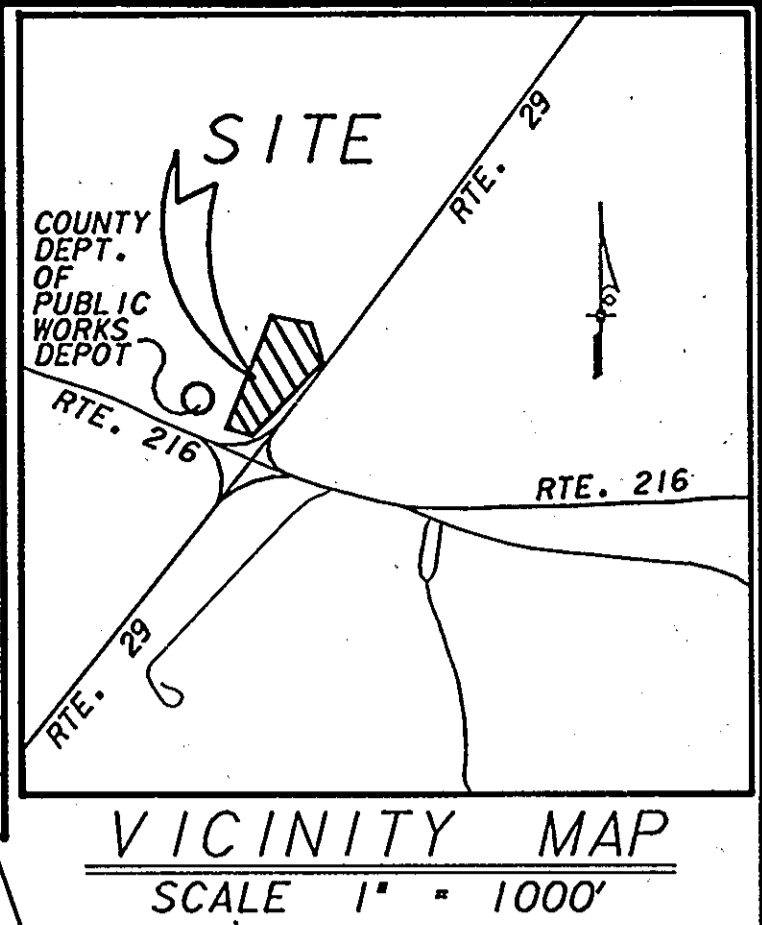
3. PARKING TOTALS
 TOTAL NO. OF PARKING SPACES REQ'D: 209
 TOTAL NO. OF PARKING SPACES PROVIDED: 211 (INCLUDES HANDICAP)

- CONSTRUCTION SEQUENCE**
- OBTAIN BUILDING PERMIT. CALL MISS UTILITY @559-0100
 - NOTIFY THE HOWARD COUNTY BUREAU OF LICENSES, INSPECTIONS & PERMITS AND THE CONSTRUCTION INSPECTION/SURVEY DIVISION 6792-7272 AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION.
 - INSTALL TEMPORARY SEDIMENT CONTROL MEASURES (SCE, EARTH DIKE (NORTHWEST PROPERTY LINE), STONE OUTLET SEDIMENT TRAP, SF (NORTH R. BELOW TRAP))
 - INSTALL SEPTIC SYSTEMS AND WATER SERVICES. ROUGH GRADE AS NECESSARY TO PROVIDE UTILITIES
 - INSTALL EARTH DIKE ABOVE AND ALONG SHM AREA 1
 - INSTALL SHM AREAS 1 AND 2 AND STORM DRAIN SYSTEMS. OUTFALLS FROM SHM AREAS TO BE BUILT FAR ENOUGH TO DISCHARGE INTO STORE OUTLET TRAP. INSTALL S.F. AROUND SHM AREA 2 AND ALONG SIDE OF SHM AREA 1, BLOCK 1-1, 1-2, 1-3 AND 1-4. INSTALL STONE BERM IN FRONT OF 1-3 (SEE DETAIL SHEET 2 OF 4)
 - STABILIZE AREAS WITH TEMPORARY STABILIZATION
 - ROUGH GRADE REMAINDER OF SITE, BRINGING AREAS TO BE PAVED UP TO SUB GRADE
 - CONSTRUCT BUILDING
 - WITH ALL AREAS BEING STABILIZED AND WITH APPROVAL OF THE SEDIMENT INSPECTOR, REMOVE SEDIMENT TRAP BY:
 - PUMP ANY STANDING WATER ONTO A STABILIZED OUTFALL
 - REMOVE AND DEPOSIT SEDIMENT AT A SITE WITH APPROVED SEDIMENT CONTROL
 - MAINTAIN SILT FENCE BELOW TRAP
 - FINISH INSTALLING OUTLET PIPES FROM SHM AREAS, GRADE AND STABILIZE
 - PAVE PARKING LOT AND DRIVEWAYS
 - FINE GRADE APPLY PERMANENT STABILIZATION
 - REMOVE TEMPORARY SEDIMENT CONTROL MEASURES WITH APPROVAL OF HOWARD COUNTY BUREAU OF LICENSES, INSPECTIONS AND PERMITS

- GENERAL NOTES**
- TAX MAP 46, PARCEL 290
 - DEED REFERENCE: 643/608
 - EX. ZONING: B-1
 - SITE USE: RETAIL CENTER (38,800 SQ. FT.) BANK (2,800 SQ. FT.)
 - TOTAL AREA OF SITE: 3.86 AC.
 - OPEN SPACE PROVIDED: 0.84 AC OR 21.7%
 - PRIVATE WATER AND PRIVATE SEWER ARE TO BE UTILIZED.
 - U.S. RTE. 29 AND MD. RTE. 216 ARE EXISTING, PUBLIC ROADS.
 - ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. IV.
 - CONTRACTOR TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK.
 - CONTRACTOR TO NOTIFY MISS UTILITY AT 1-800-393-3648 AT LEAST FIVE DAYS PRIOR TO BEGINNING CONSTRUCTION.
 - TOPO SHOWN HEREON WAS FIELD RUN BY BOENDER ASSOC., INC.
 - BUILDING COVERAGE: BANK - 2,280 SQ. FT. RETAIL CENTER - 28,400 SQ. FT. OR 18.2% TOTAL - 30,680 SQ. FT.
 - EXTERIOR LIGHTING SHALL BE DIRECTED/REFLECTED AWAY FROM ADJACENT PUBLIC ROADWAYS AND RESIDENTIALLY ZONED PROPERTIES.

STRUCTURE SCHEDULE

NO.	TYPE	INVERT		TOP ELEVATION		STANDARD NUMBER
		IN	OUT	UPPER	LOWER	
S-1	15" TYPE 'C' CONC. HEADWALL		409.8	411.8	411.8	HOWARD CO. STD. SD-5.21
S-2	5" SHALLOW BRICK MH	410.10	414.75	414.75		G-5.05
S-3	4" SHALLOW BRICK MH	410.60	414.33	414.33		G-5.05
S-4	4" STD. BRICK MH	411.50	411.00	419.76	419.76	G-5.01
S-5	4" SHALLOW BRICK MH	410.50	410.22	414.82	414.82	G-5.05
S-6	4" SHALLOW BRICK MH	411.23	410.93	414.67	414.67	G-5.05
I-1	A-10 INLET		410.75	414.60	414.50	SD-4.02
I-2	A-10 INLET W/DEFLECTORS	418.16	417.91	423.63	423.06	SD-4.02
I-3	A-10 INLET		419.16	423.30	424.00	SD-4.02
I-4	A-10 INLET		410.35	415.75	415.50	SD-4.02
I-5	"K" INLET W/GRADE		412.50	415.00	415.00	SD-4.12 & 4.13



PIPE SCHEDULE

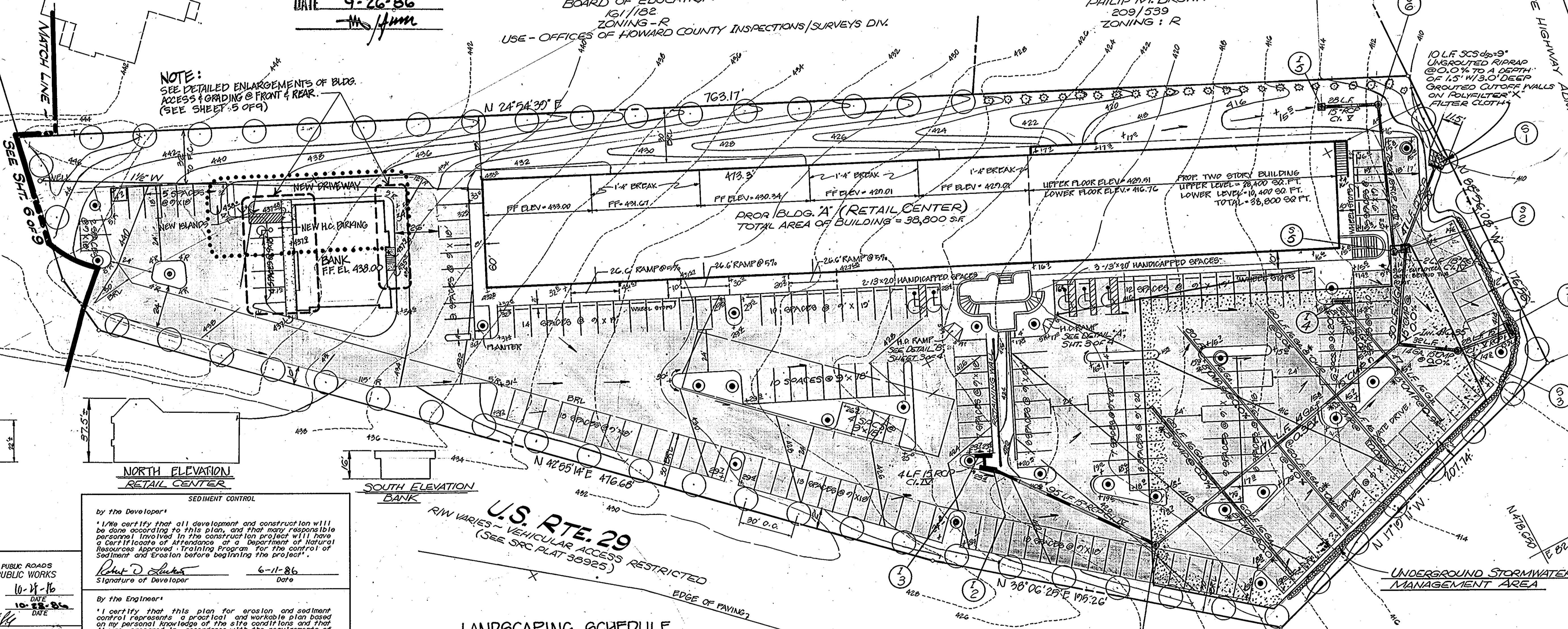
SIZE	TYPE	LENGTH (FT.)
15"	CL IV RCP	136
15"	CL V RCP	56
18"	CL IV RCP	80
15"	14 GA. CMP	253
8"	16 GA. CMP	453

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-26-86
 [Signature]

BOARD OF EDUCATION
 161/182
 ZONING - R
 USE - OFFICES OF HOWARD COUNTY INSPECTIONS/SURVEYS DIV.

PHILIP M. BROWN
 209/539
 ZONING: R

NOTE:
 SEE DETAILED ENLARGEMENTS OF BLDG. ACCESS & GRADING @ FRONT & REAR. (SEE SHEET 5 OF 9)



SOUTH ELEVATION
 RETAIL CENTER

NORTH ELEVATION
 RETAIL CENTER

SOUTH ELEVATION
 BANK

SEDIMENT CONTROL

by the Developer:
 I/We certify that all development and construction will be done according to this plan, and that many responsible persons 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.
 Robert D. [Signature] 6-11-86
 Signature of Developer 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.
 Robert H. [Signature] 6-16-86
 Signature of Engineer Date

Reviewed for HOWARD S.C.D.
 on basis of Technical Requirements.
 [Signature] 10-16-86
 Date

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 [Signature] 10/16/86
 Date

APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 [Signature] 10-11-86
 DATE

APPROVED: FOR PRIVATE WATER & SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 10-24-86
 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature] 10-29-86
 DATE

U.S. RTE. 29
 R/W VARIES - VEHICULAR ACCESS RESTRICTED
 (SEE SRC PLAT 36925)

LANDSCAPING SCHEDULE

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
⊙	18	PRUNUS SPP	FLOWERING CHERRY	6'-6" HGT.
○	42	ACER RUBRUM	RED MAPLE	2-2 1/2" CAL
⊛	24	PINUS STROBUS	EASTERN WHITE PINE	2 1/2" CAL
⊙	98		ANDORA JUNIPERS	15'-18" SPREAD - 5' O.C.

ADDRESS CHART

LOT NUMBER	STREET ADDRESS	SUBDIVISION NAME	SECT./AREA	LOT/PARCEL
BLDG A	11200 MD. RTE. 216	CHERRY TREE CENTER	3.36 Ac.	290
BLDG B	11220 MD. RTE. 216			

PLAT NO. OR L/F/BLOCK NO./ZONE TAX/ZONE MAP ELEC. DIST. CENSUS TR.
 643/608 4 B-1 46 5 6051

WATER CODE PRIVATE WELL SEWER CODE PRIVATE SEPTIC

G & G ASSOCIATES
 C/O GREENBERG REALTY COMPANY
 8401 CONNECTICUT AVE.
 SUITE 1000
 CHEVY CHASE, MARYLAND 20815

REVISIONS

No.	REVISION	DATE	BY
3	REV. RESTAURANT TO BANK	10/26/88	KRM
2	REV. BANK TO RESTAURANT	6-8-87	GEO
1	REV. RETAINING WALL LOCATION	12-86	



ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS

GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
 (301) 948-0900

ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
 GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY

SITE DEVELOPMENT PLAN

CHERRY TREE CENTER
 PARCEL NO. 290
 FIFTH ELECTION DISTRICT TAX MAP 46
 HOWARD COUNTY, MARYLAND

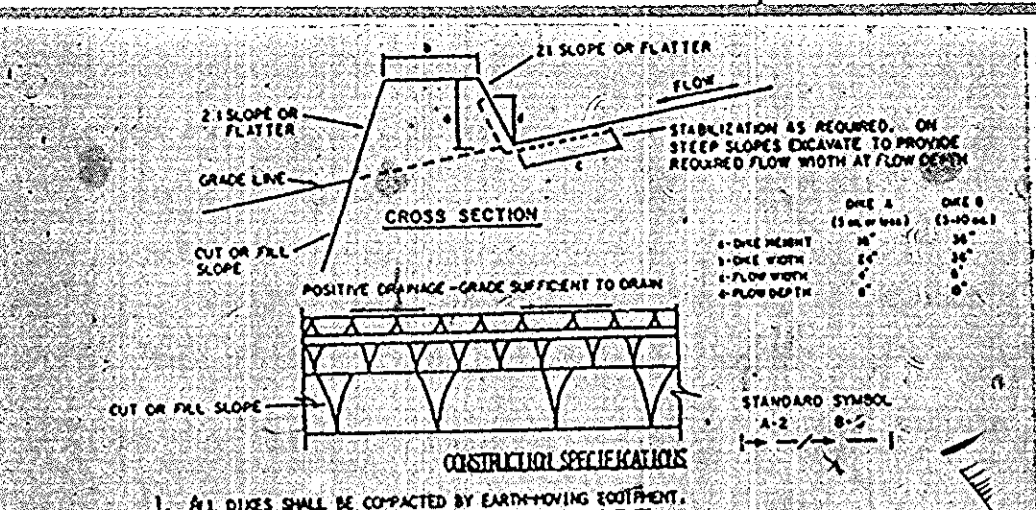
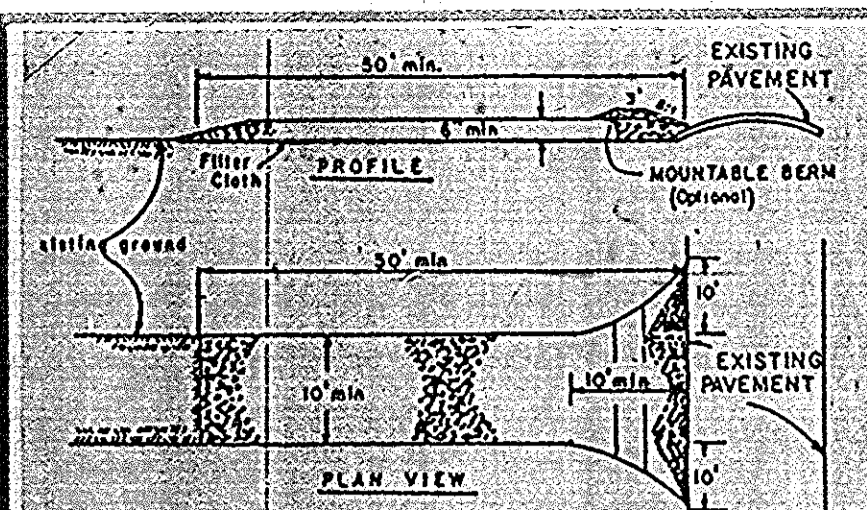
KKK/JNC
 DESIGN SCALE 1" = 30'

CAW
 DRAWN 1 OF 9

RHM
 CHECKED SHEET

JUNE '86 DATE R1367X FILE No.

SDP-86-274



CONSTRUCTION SPECIFICATIONS

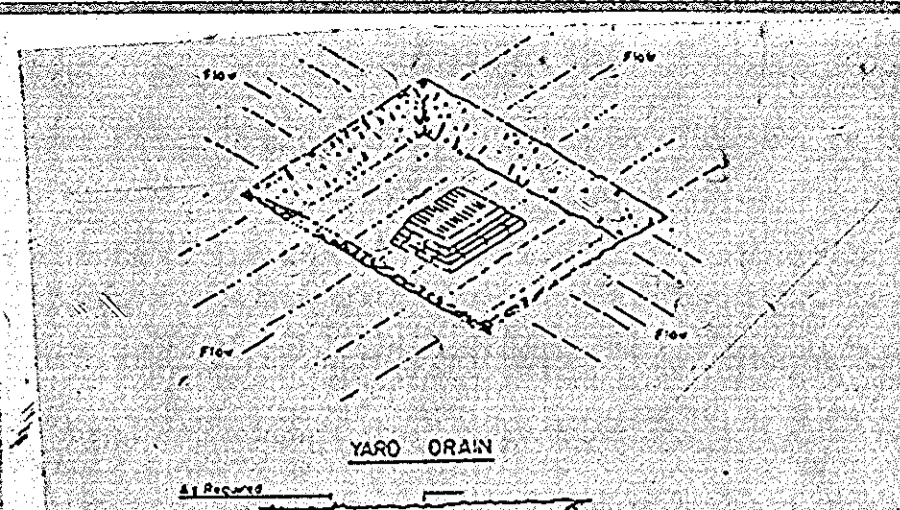
- Stone filter - 1/2" stone, or recycled or recycled concrete equivalent, depth to be retained, but not less than 18 feet (except on a slight crest, where less than 18 feet minimum length would apply).
- Stabilization - 10% cement (4) inches.
- Stabilization (10) feet minimum, but not less than the full width at points where erosion is likely to occur.
- 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.
- Retention - All surface water flowing or directed toward construction surface shall be retained in a suitable area. If piping is impractical, a mounded berm with 3% slope will be provided.
- Retention - The structure shall be maintained in a condition which will prevent tracking of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions change and periodic inspection of any measures used to trap sediment. All sediment shall be disposed, washed or tracked onto public right-of-way must be removed immediately.
- Retention - Stone shall be placed to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on a site capable of being washed into a water body or approved sediment trap.
- Retention - Approved alternatives can be substituted for any of the above materials. Periodic inspection and needed maintenance shall be provided after construction.

FLUM CHANNEL STABILIZATION

TYPE OF CHANNEL	COVER	DISE A	DISE B
1	1.5'-3.0'	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1'-5.0'	SEED AND STRAW MULCH	SEED AND STRAW MULCH
3	5.1'-8.0'	SEED WITH JUTE OR SOY	LINED RAY-RAY 4-5"
4	8.1'-20'	LINED RAY-RAY 4-5"	ENGINEERING DESIGN

NOTE: STONE TO BE 2" MIN. STONE OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3" THICK IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT. RETURN TO BE 10" MINIMUM IN A LAYER AT LEAST 1" THICK BENEATH AND PRESSED INTO THE SOIL.

APPROVED ALTERNATIVES CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



CONSTRUCTION SPECIFICATION FOR ST-111

- Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
- The sediment trap shall be removed and the area restabilized when the constructed drainage area has been properly stabilized.
- All cut slopes shall be 1:1 or flatter.

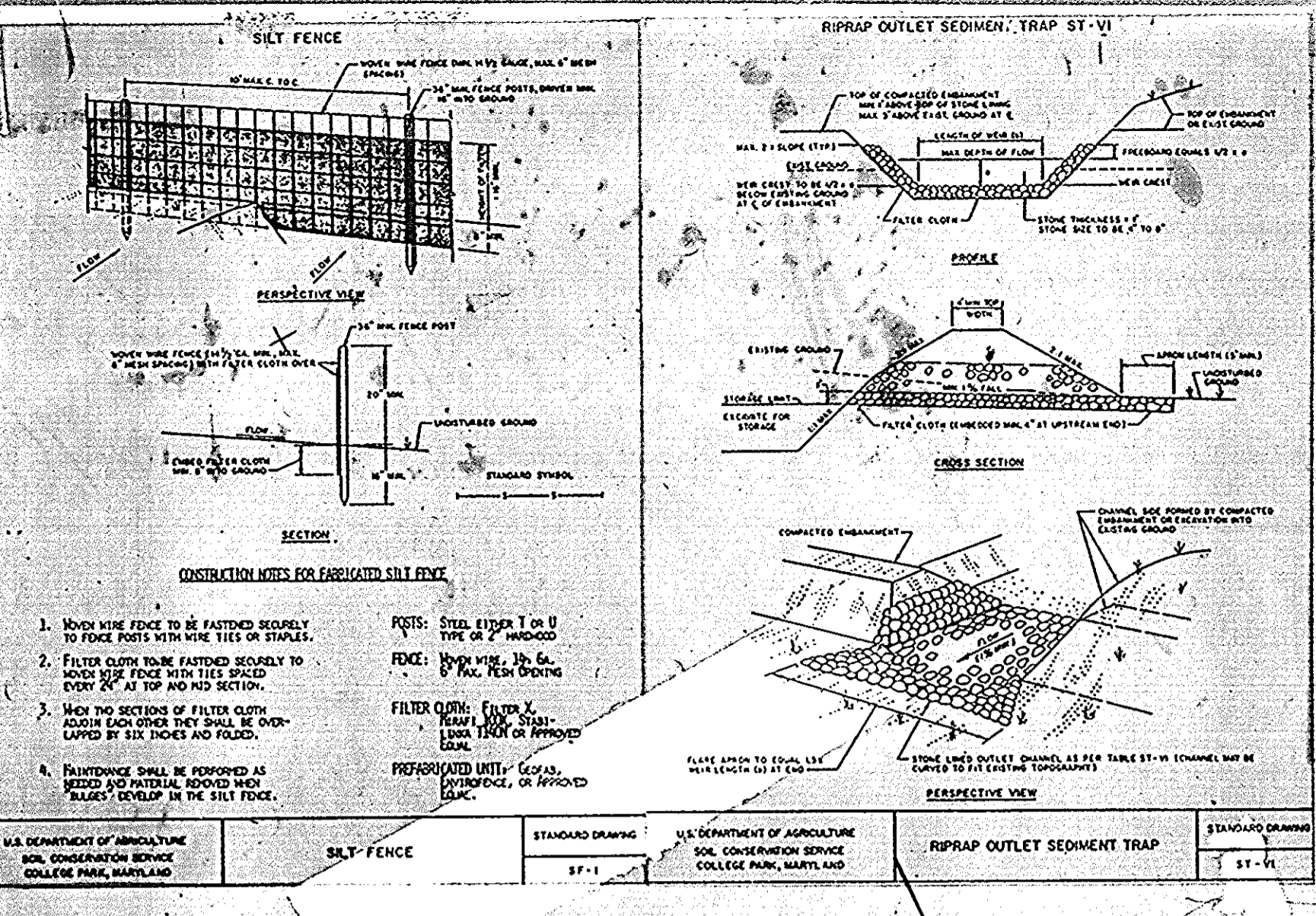
Maximum Drainage Area: 3 Acres

TRAP SCHEDULE

TRAP NO.	TYPE	O.A.	REQD.	PROVIDED @ ELEV.	BOTTOM SIZE	BOTTOM ELEV.	SPILLWAY ELEV.	GRANUL. ELEV.
STORM OUTLET	2-4AC	6.420	6.420	6.420	48	410	410	407.5

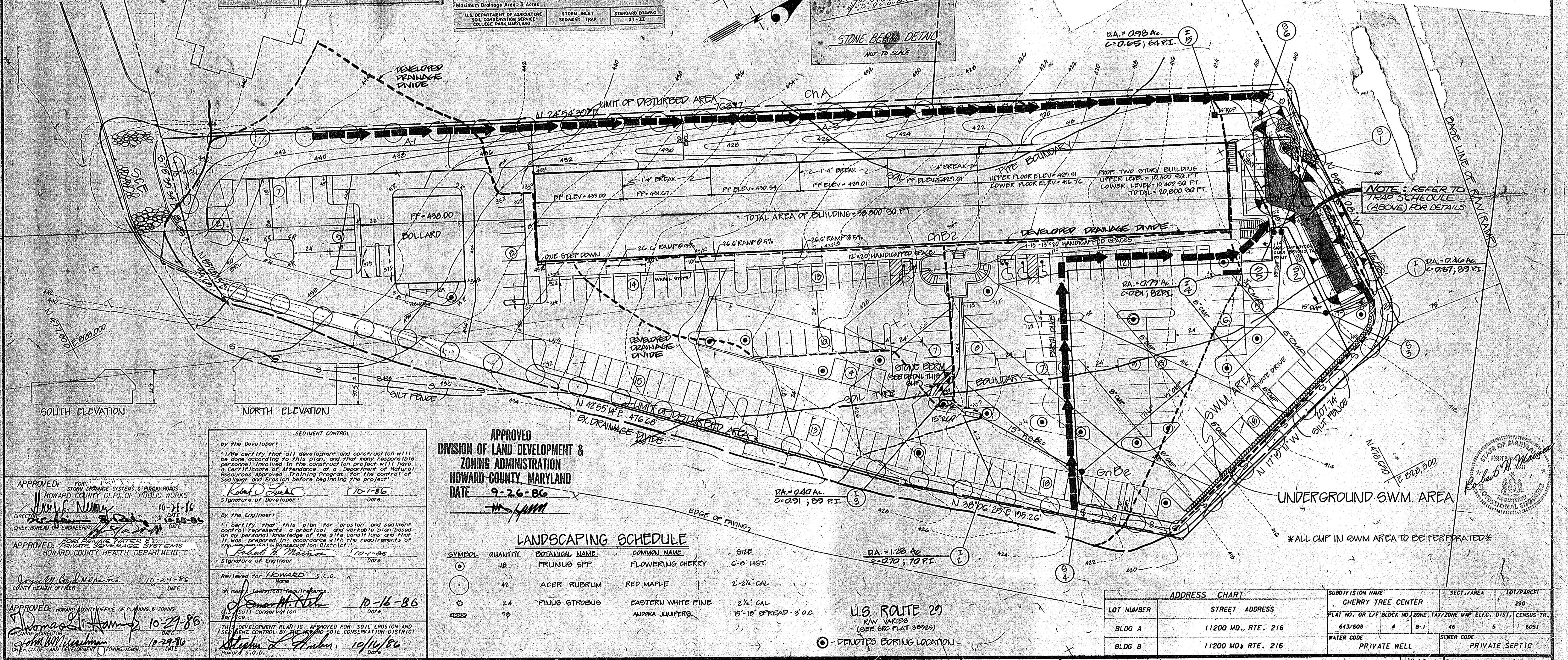
STORM INLET PROTECTION DETAIL

STONE BERM DETAIL



CONSTRUCTION SPECIFICATIONS FOR ST-VI

- The area under construction shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be constructed by alternating with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
- All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
- Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
- Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
- Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Section of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
- Stone used in the outlet channel shall be four (4) to eight (8) inches (chiptrap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repaired as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- Drainage area for this practice is limited to 15 acres or less.



APPROVED: FOR EXISTING SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 10-21-86
 DATE

APPROVED: FOR PRIVATE WATER & SEWER SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 10-18-86
 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 10-29-86
 DATE

APPROVED: 10-29-86
 DATE

SEDIMENT CONTROL

by the Developer:
 I certify that all development and construction will be done according to this plan, and that my 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.
 Signature of Developer: Robert J. ...
 Date: 10-18-86

By the Engineer:
 I certify that this plan for erosion and sediment control conforms to the local, state and federal regulations and that it was prepared in accordance with the requirements of the Soil Conservation District for the control of Sediment and Erosion before beginning the project.
 Signature of Engineer: Robert W. ...
 Date: 10-18-86

Reviewed for HOWARD S.C.D. Name: ...
 Date: 10-16-86

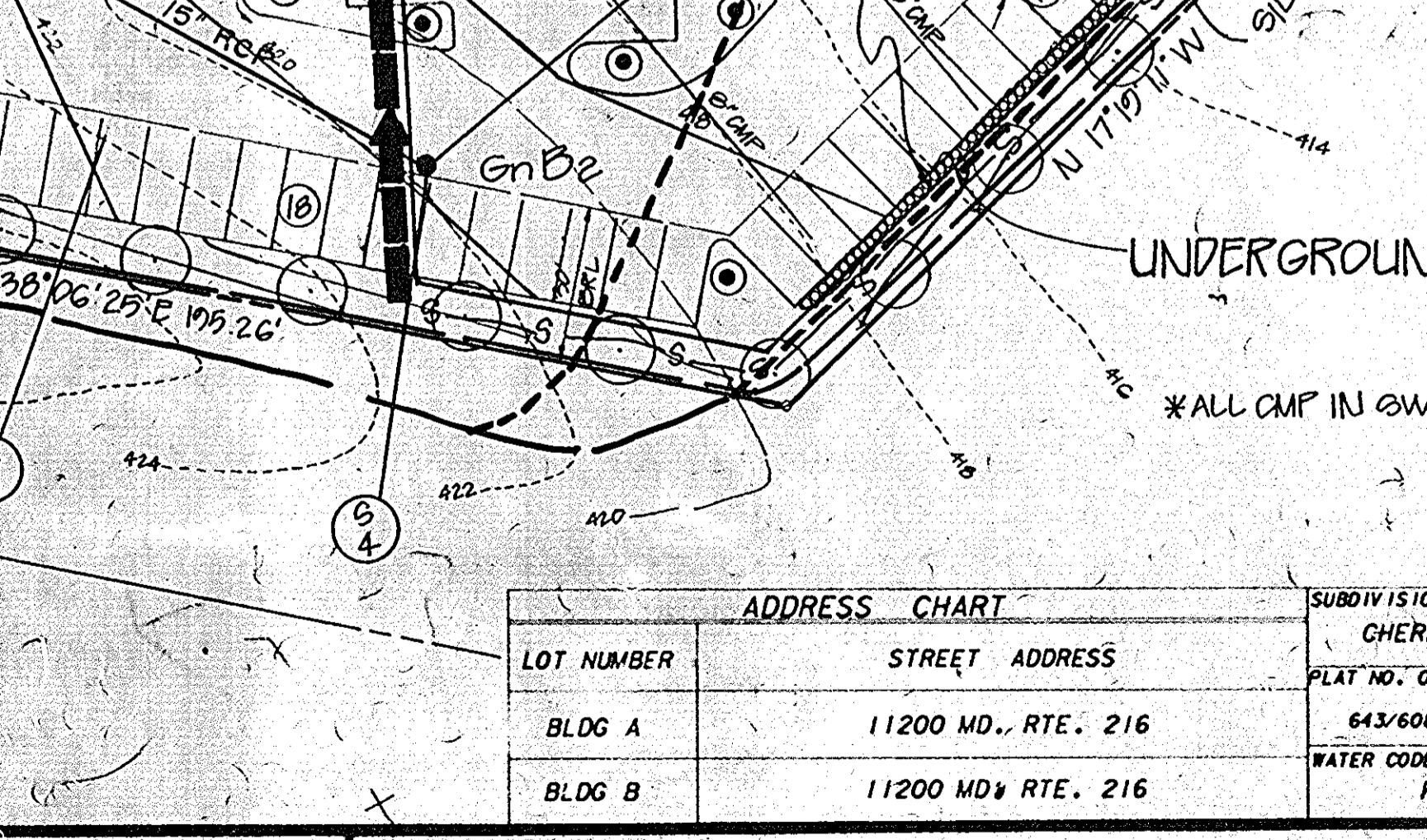
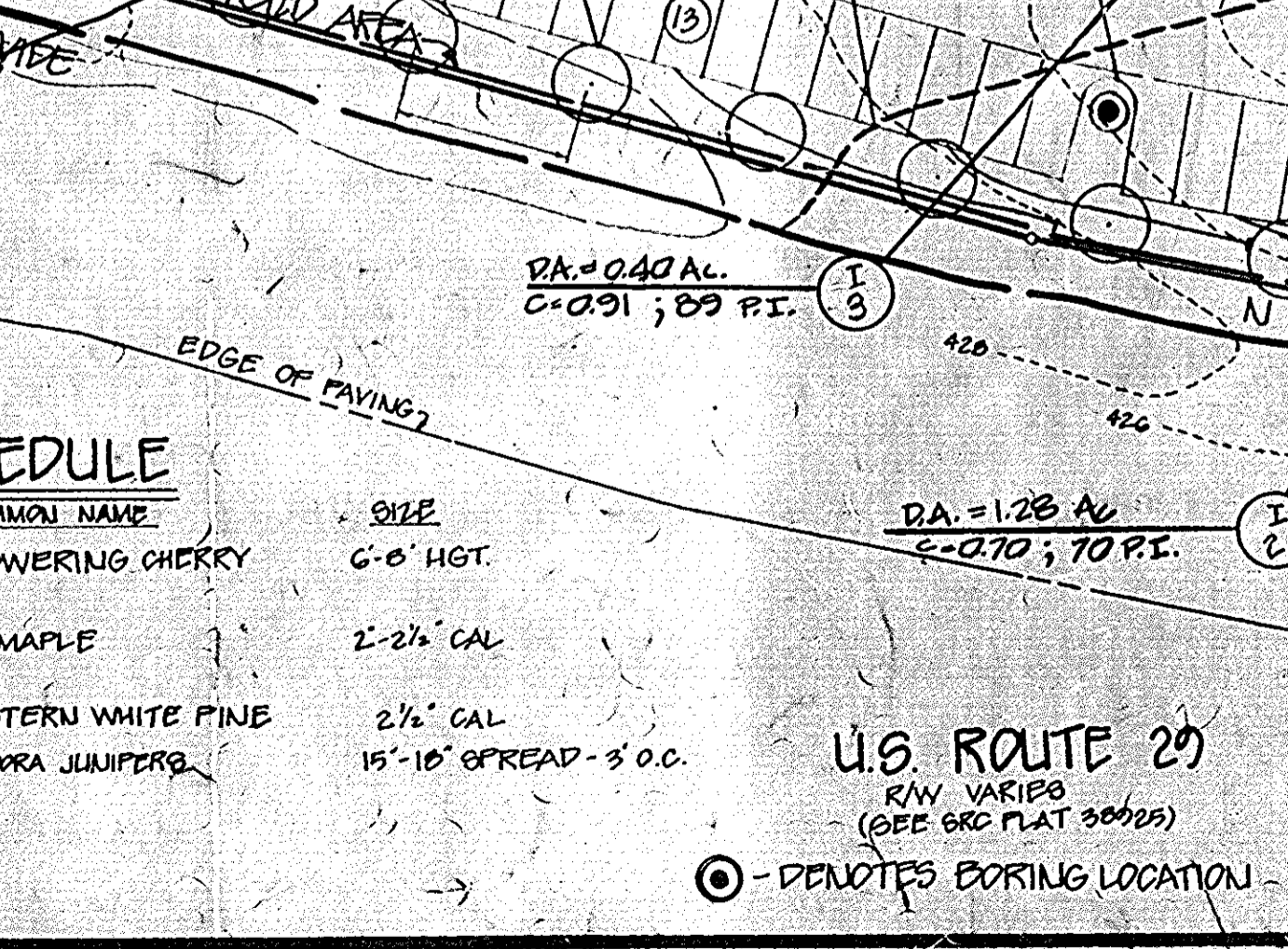
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Signature of ...
 Date: 10/16/86

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-26-86
 Signature: ...

LANDSCAPING SCHEDULE

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
○	48	PRUNUS SPP	FLOWERING CHERRY	6-8' HGT.
○	42	ACER RUBRUM	RED MAPLE	2-2 1/2' CAL
○	24	PINUS STROBUS	EASTERN WHITE PINE	2 1/2' CAL
○	99		AURORA JUNIPERS	15-16' SPREAD - 3' O.C.

○ - DENOTES BORING LOCATION



NOTE: REFER TO TRAP SCHEDULE (ABOVE) FOR DETAILS

ADDRESS CHART

LOT NUMBER	STREET ADDRESS	SUBDIVISION NAME	SECT./AREA	LOT/PARCEL
BLOG A	11200 MD. RTE. 216	CHERRY TREE CENTER	46	290
BLOG B	11200 MD. RTE. 216	CHERRY TREE CENTER	46	290

WATER CODE

WATER CODE	SEWER CODE
643/608	PRIVATE WELL
	PRIVATE SEPTIC

G & G ASSOCIATES
 C/O GREENBERG REALTY COMPANY
 8401 CONNECTICUT AVE.
 SUITE 1000
 CHEVY CHASE, MARYLAND 20815

REVISION

No.	REVISION	DATE	BY

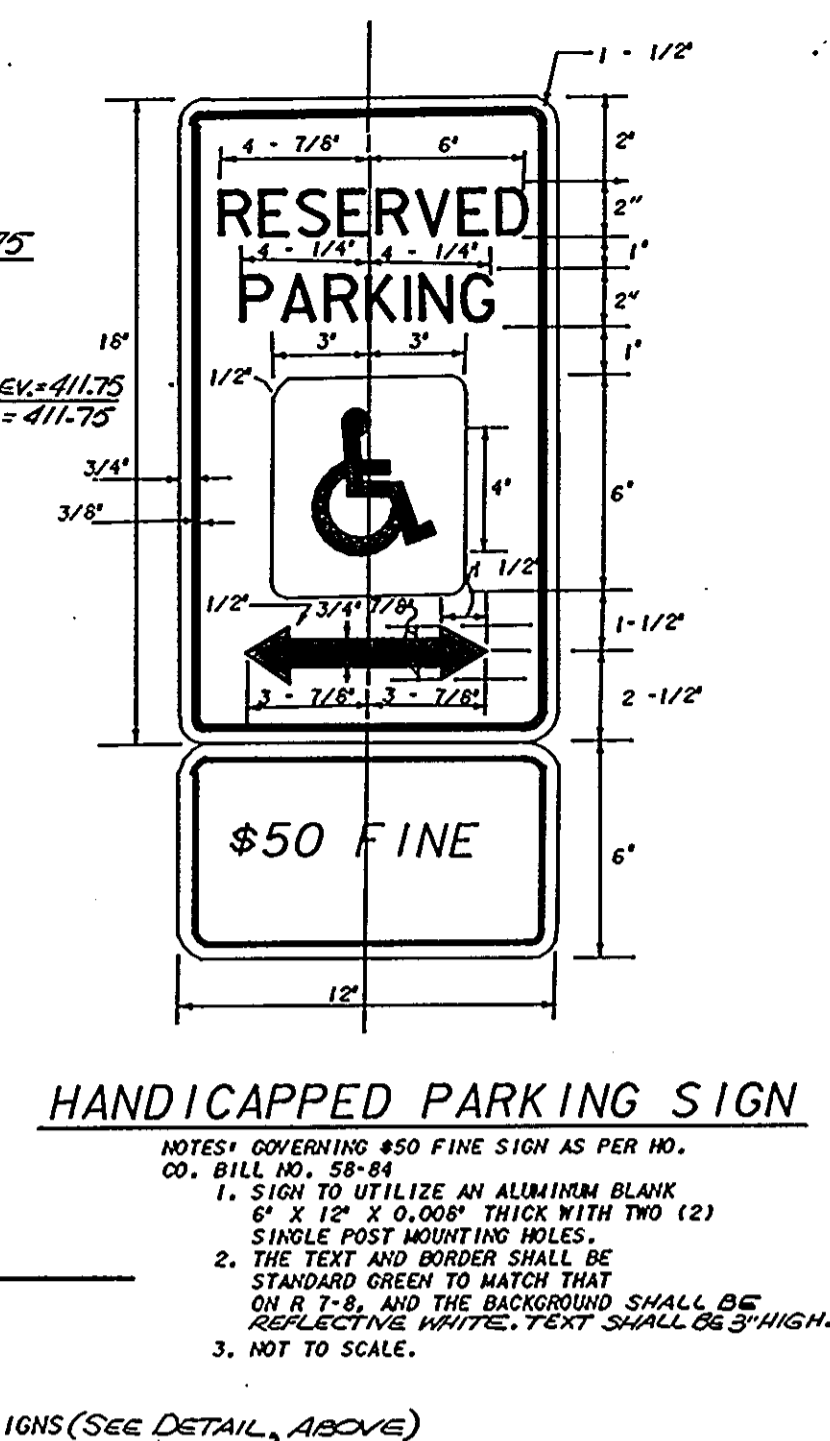
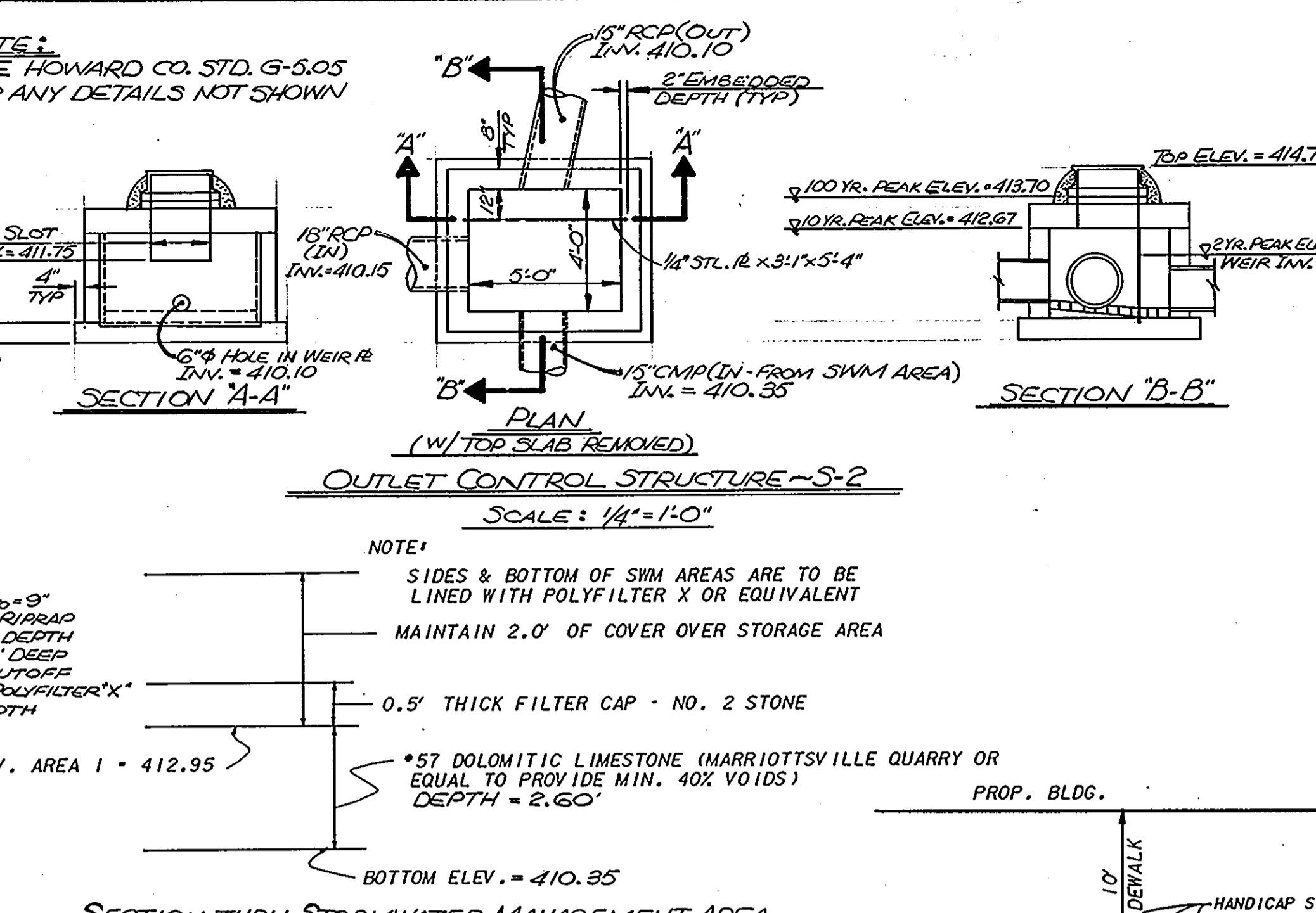
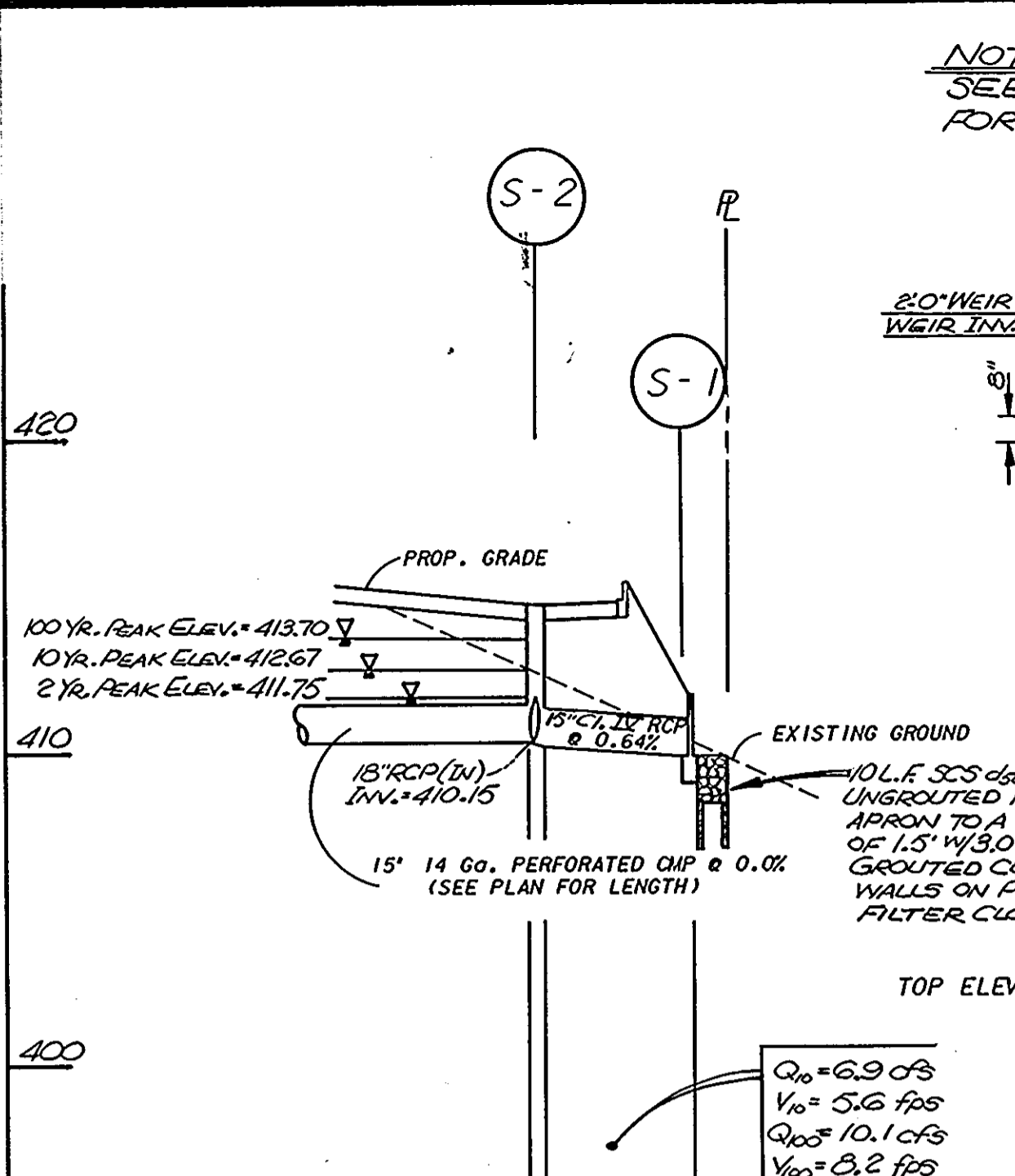
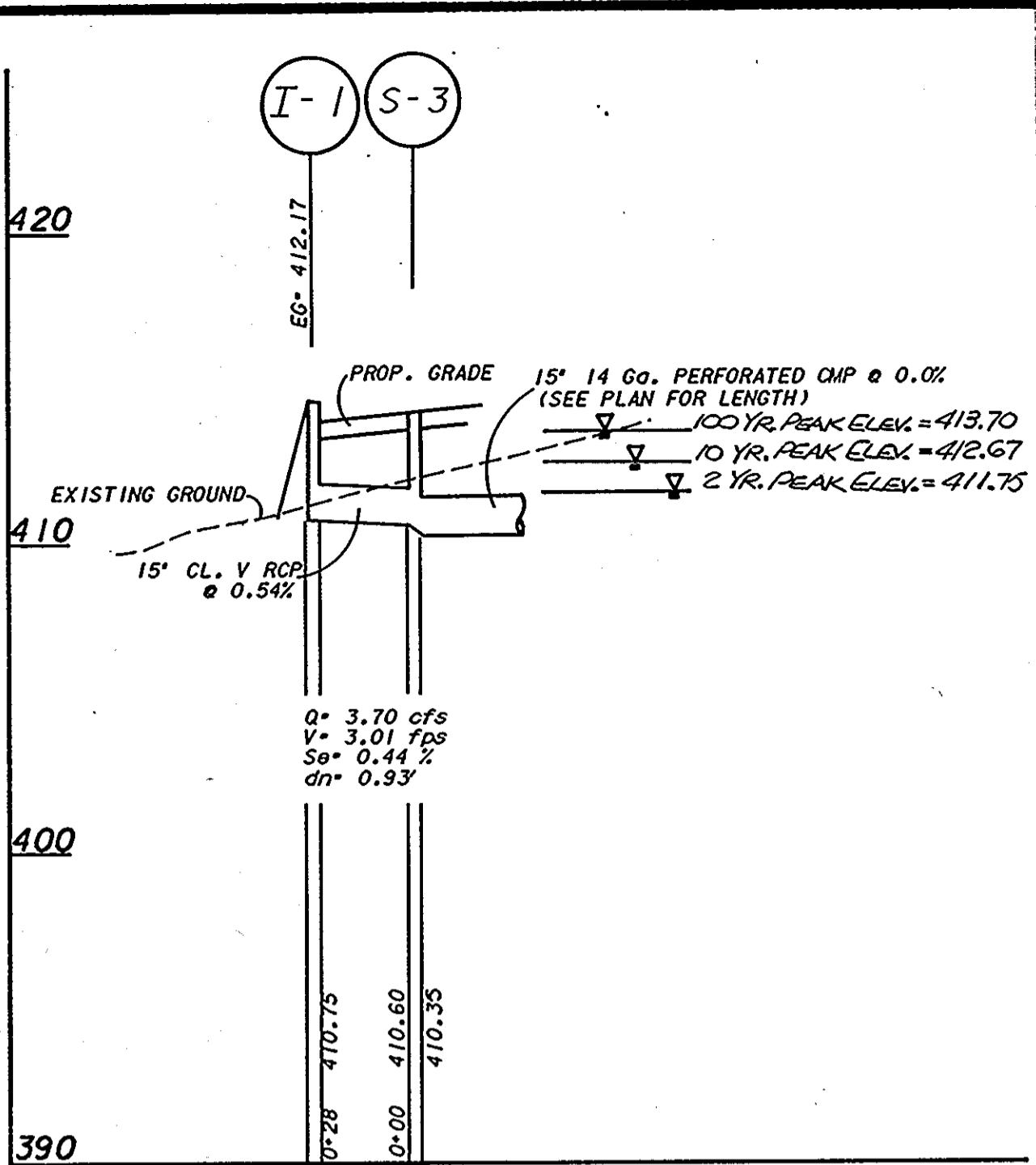
GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
 (301) 948-0900

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 GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY

DRAINAGE AREA MAP & SEDIMENT CONTROL PLAN
 "BUILDING AND PARKING REVISIONS TO SDP-86-18"
CHERRY TREE CENTER
 PARCEL NO. 290
 15TH ELECTION DISTRICT TAX MAP 46
 HOWARD COUNTY, MARYLAND

JWG DESIGN
 SCALE 1" = 30'
CAW DRAWN
RJM CHECKED
 SHEET 2 OF 9
 DATE: JUNE '86
 JOB No. 1367X
 FILE No.

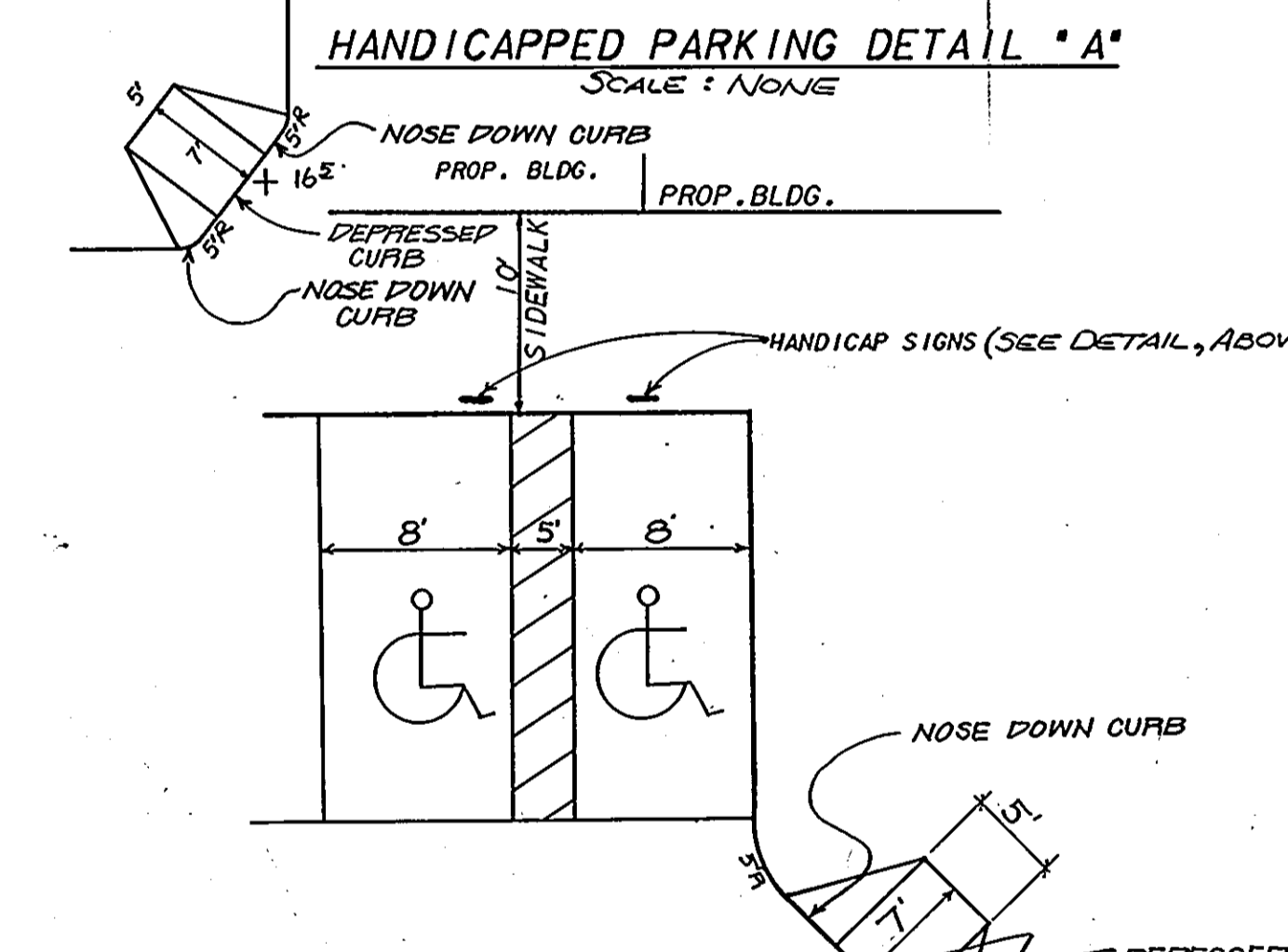
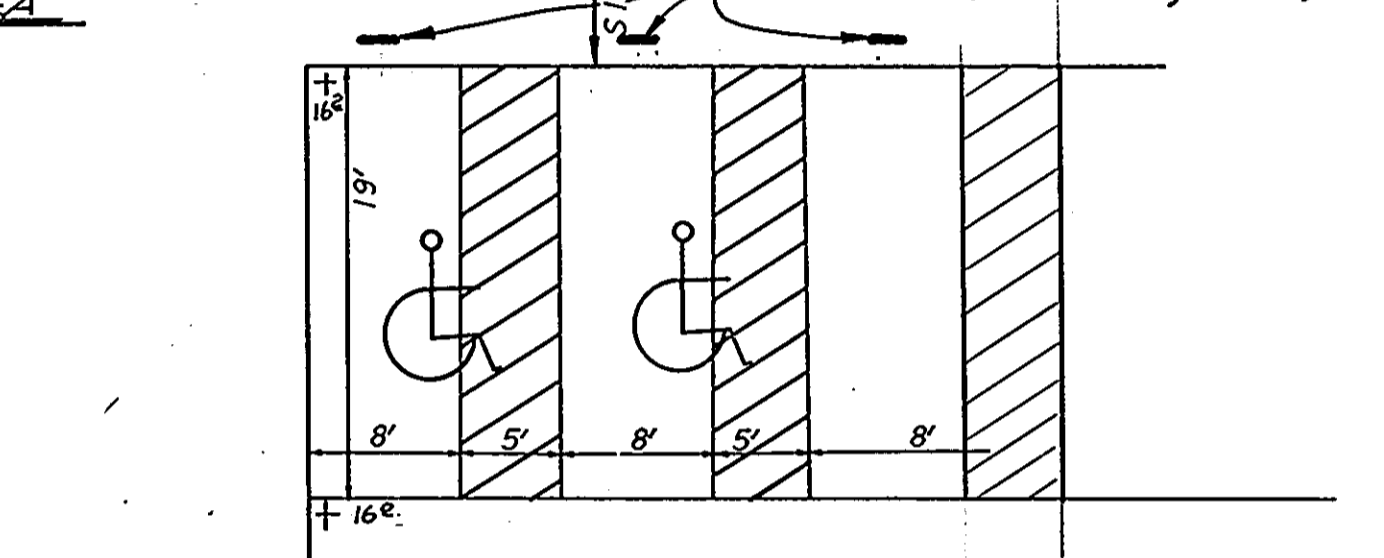
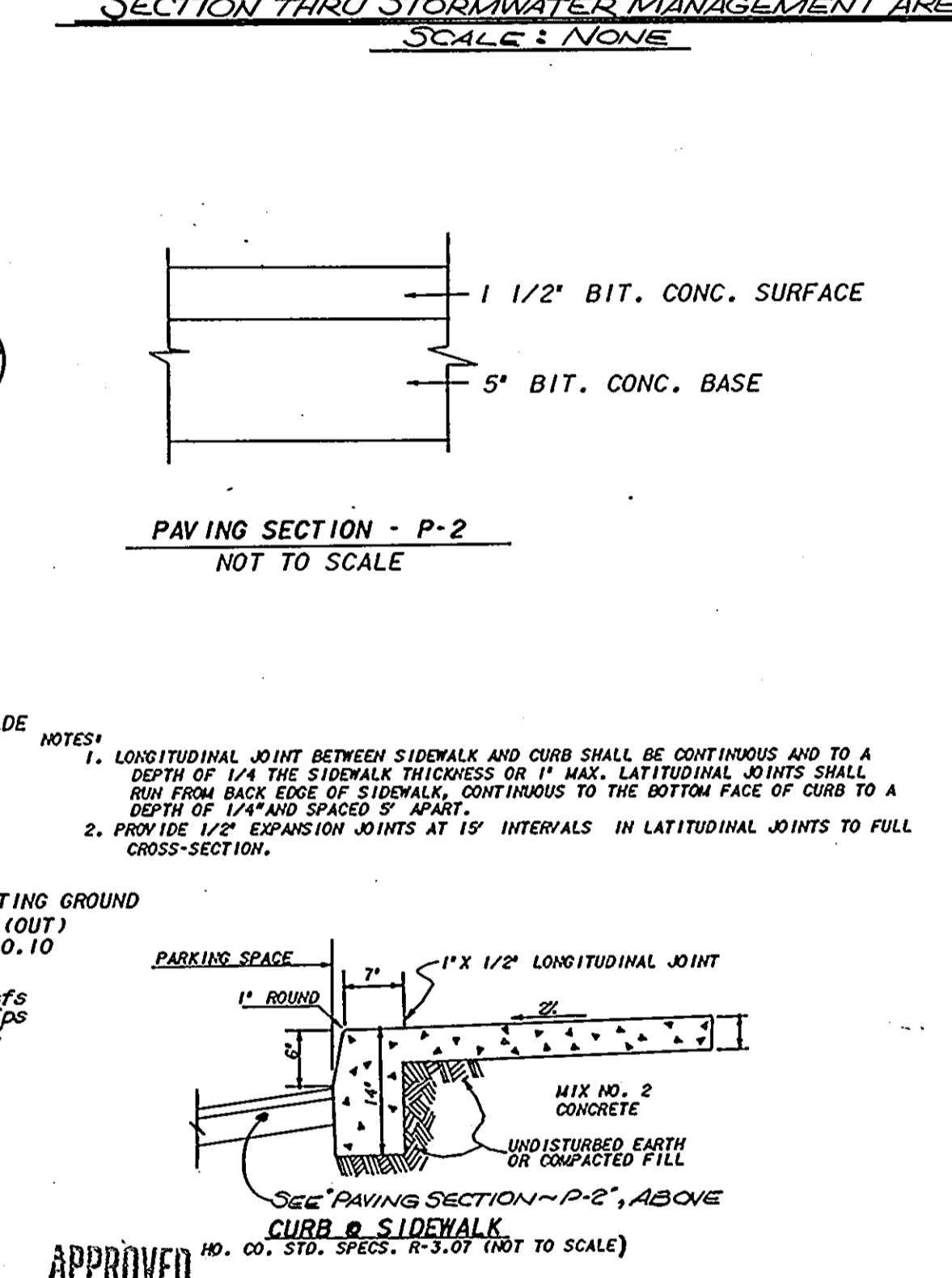
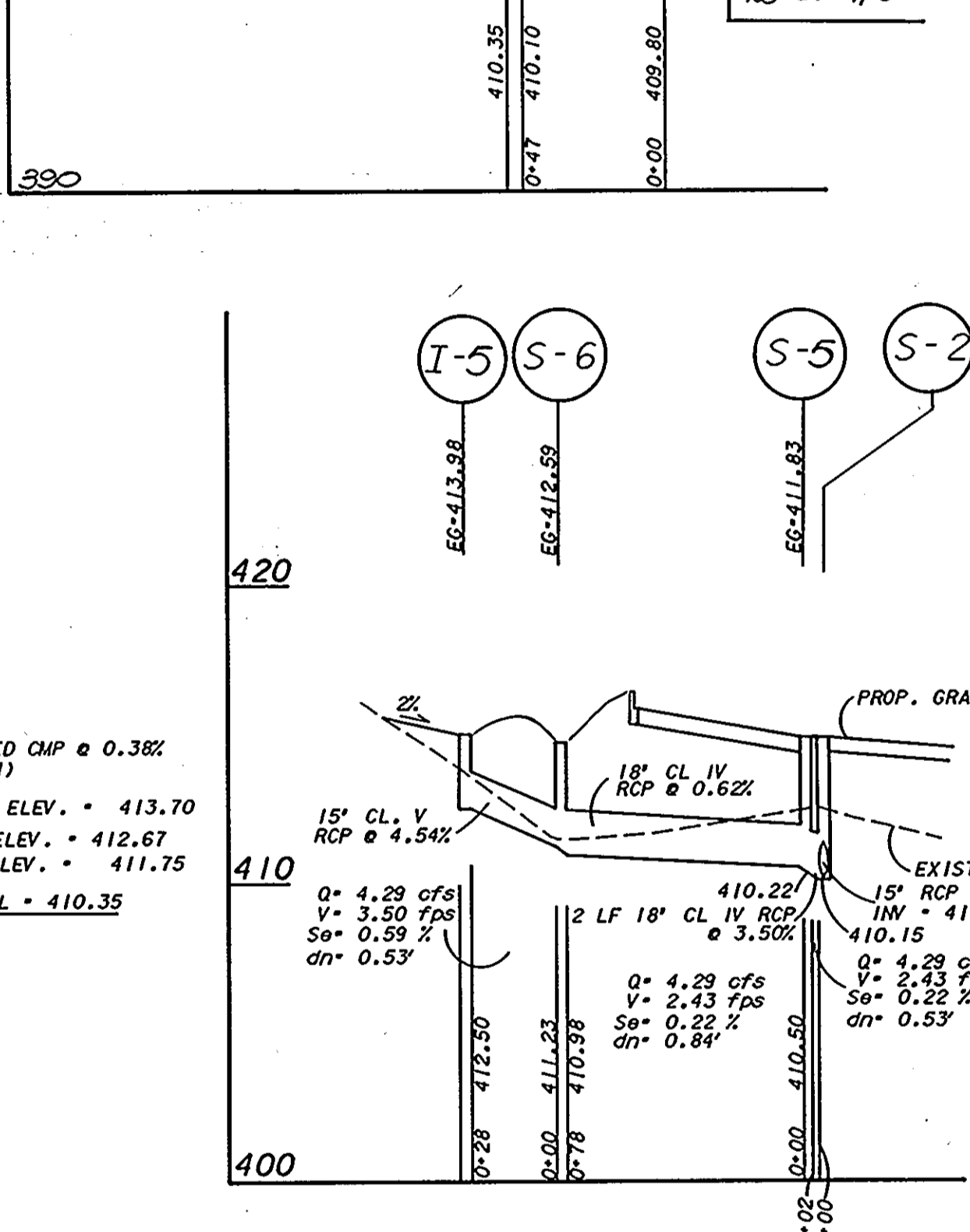
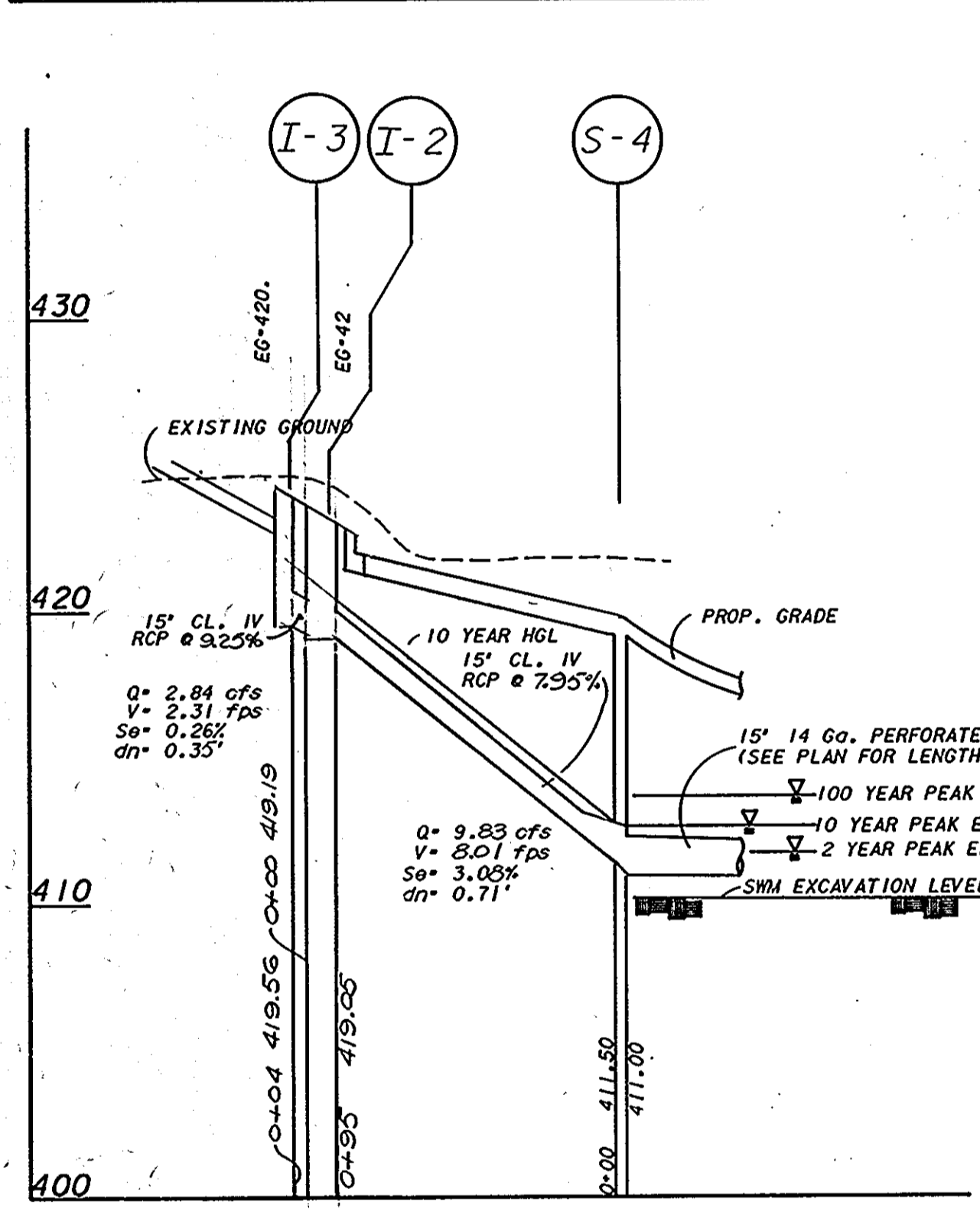
SDP-86-274



SEDIMENT CONTROL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION.
- ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A 7 CALENDAR DAYS FOR ALL PERMANENT SEDIMENT CONTROL STRUCTURES, DIKES, PERMANENT SLOPES AND ALL SLOPES GREATER THAN 3:1. 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (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.
- 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.
- SITE ANALYSIS:**

TOTAL AREA OF SITE	3.9 ACRES
AREAS DISTURBED	3.9 ACRES
AREA TO BE ROOFED OR PAVED	2.8 ACRES
AREA TO BE VEGETATIVELY STABILIZED	1.1 ACRES
TOTAL CUT	CU. YDS.
TOTAL FILL	CU. YDS.
OFFSITE WASTE/ AREA LOCATION	MONTGOMERY COUNTY
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
- 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 BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.



PERMANENT SEEDING NOTES

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

Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

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

- Preferred:** Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/100 sq ft) before seeding. Harrow or disc into upper three inches of soil.
- Acceptable:** Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

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

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of unrotted asphalt emulsion for areas on slopes 8 feet or higher, use 348 gallons per acre (18 gal/1000 sq ft) for anchoring.

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

TEMPORARY SEEDING NOTES

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

Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

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

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

Mulching: Apply 1 1/2 to 2 tons per acre & 70 to 90 lbs/1000 sq ft of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) for anchoring.

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

APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD COUNTY DEPT. OF PUBLIC WORKS
Signature of Director: *[Signature]* DATE: 10-21-86

APPROVED: FOR PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Signature of County Health Officer: *[Signature]* DATE: 10-24-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Signature of Planning Director: *[Signature]* DATE: 10-29-86

SEDIMENT CONTROL

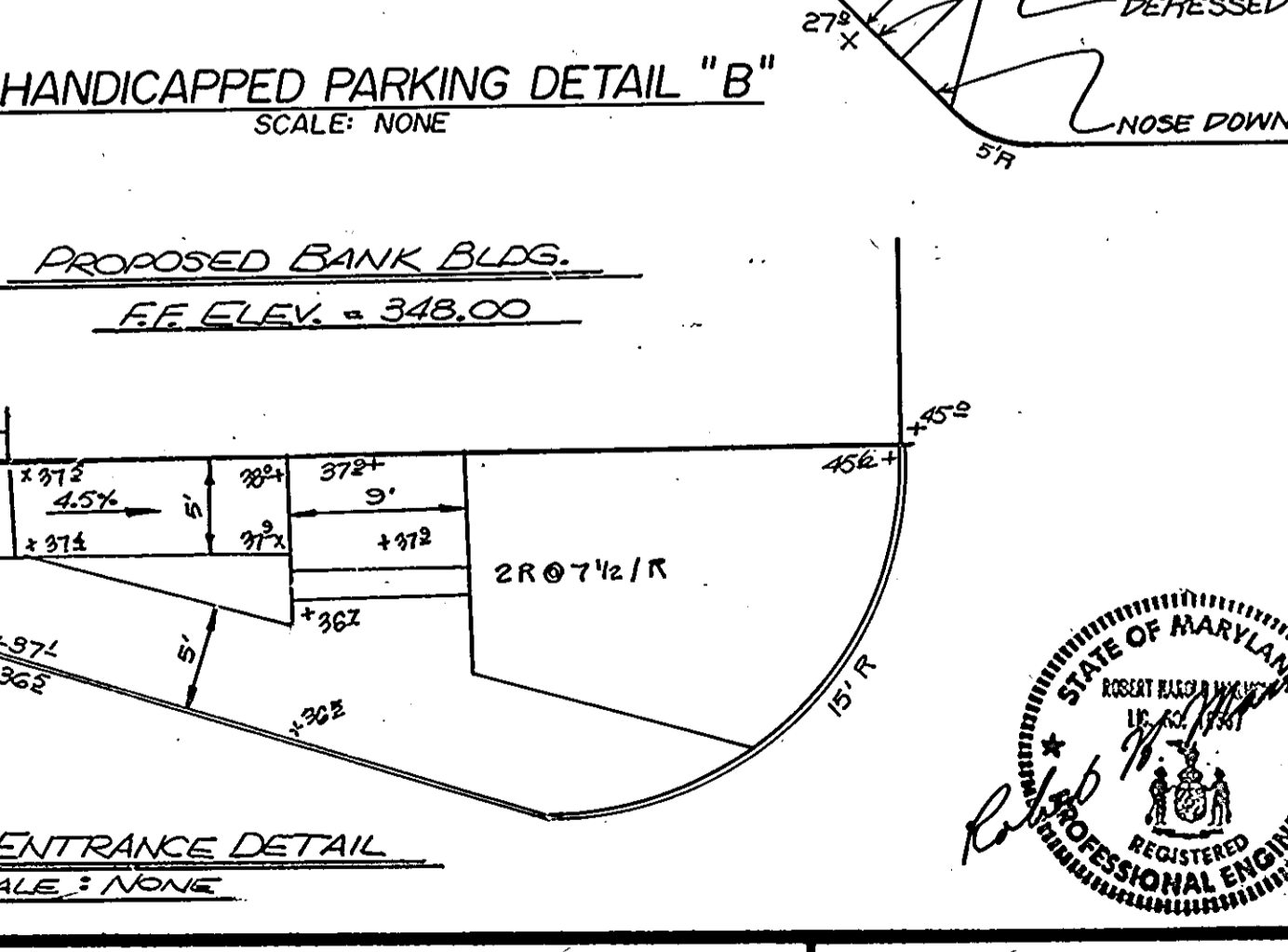
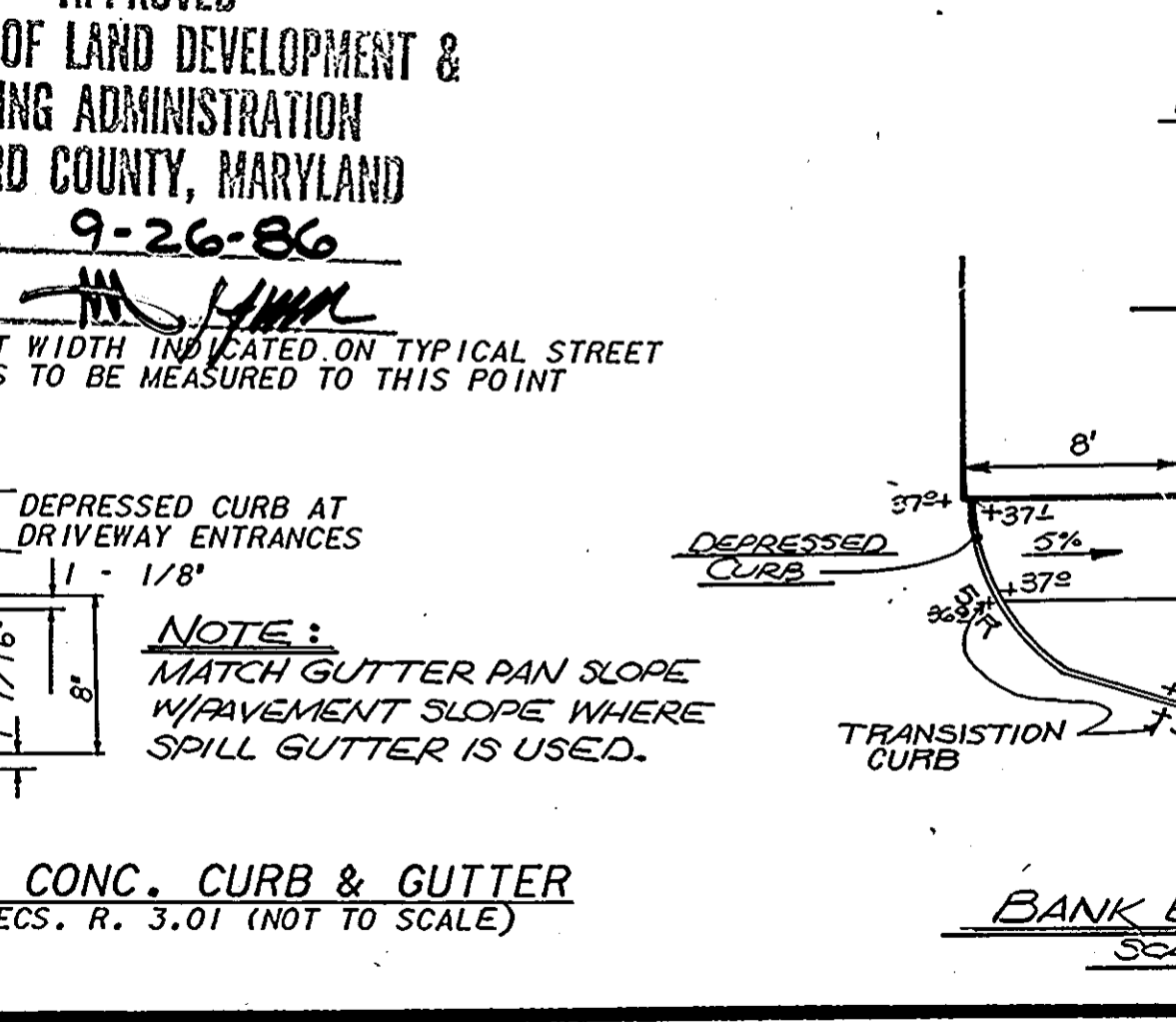
by the Developer:
I/We certify that all development and construction will be done according to this plan, and that many responsible personnel involved in the construction process will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the control of Sediment and Erosion before beginning the project.
Signature of Developer: *[Signature]* DATE: 6-16-86

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.
Signature of Engineer: *[Signature]* DATE: 6-16-86

Reviewed for HOWARD S.C.D.
Name: *[Signature]* DATE: 10-16-86

on behalf of Technical Requirements:
U.S. Soil Conservation Service
Signature: *[Signature]* DATE: 10-16-86

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Signature: *[Signature]* DATE: 10/16/86



APPROVED: DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 9-26-86
Signature: *[Signature]*

PAVEMENT WIDTH INDICATED ON TYPICAL STREET SECTIONS TO BE MEASURED TO THIS POINT

NOTE: MATCH GUTTER PAN SLOPE W/PAVEMENT SLOPE WHERE SPILL GUTTER IS USED.

STD. 7" COMB CONC. CURB & GUTTER
HO. CO. STD. SPECS. R. 3.01 (NOT TO SCALE)

PROFESSIONAL ENGINEER
STATE OF MARYLAND
Signature: *[Signature]* DATE: 10-29-86

BUILDING AND PARKING REVISIONS TO SDP-86-18

G & G ASSOCIATES
c/o GREENBERG REALTY COMPANY
8401 CONNECTICUT AVE.
SUITE 1000
CHEVY CHASE, MARYLAND 20815

No.	REVISION	DATE	BY
1	REV. STORM DRAIN	5-20-87	J.P.

ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS

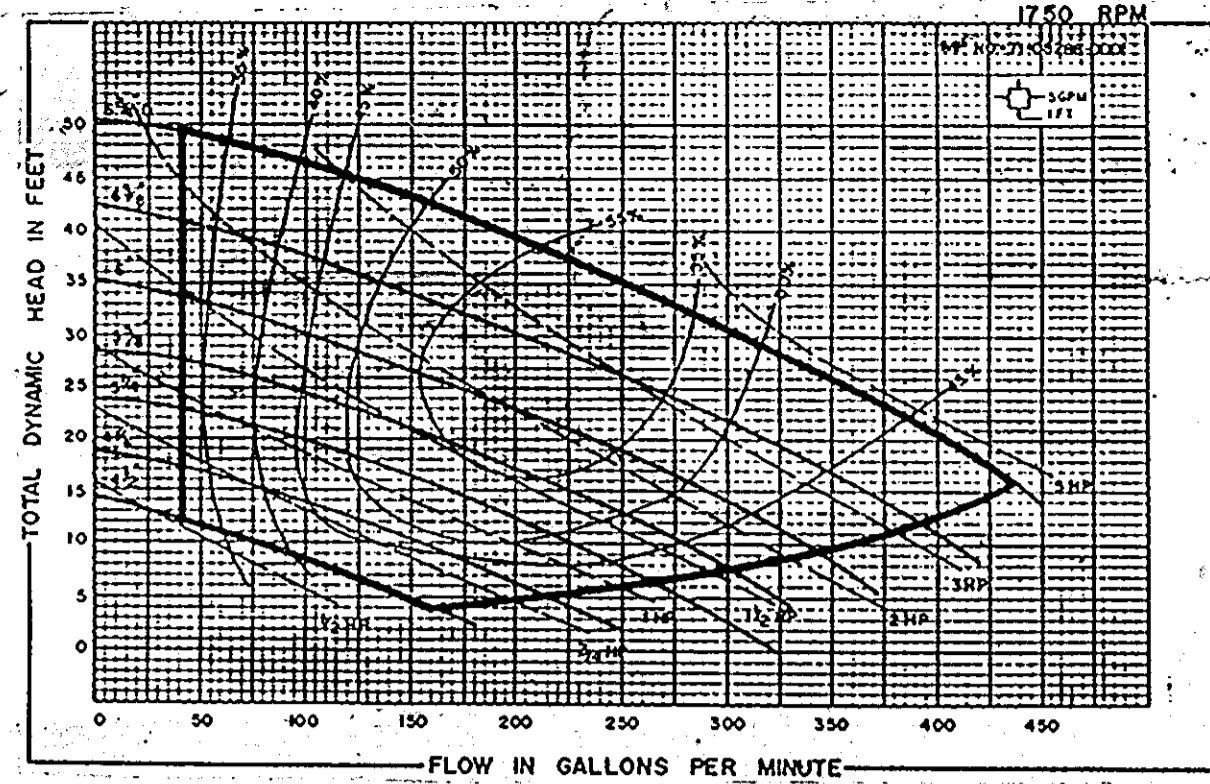
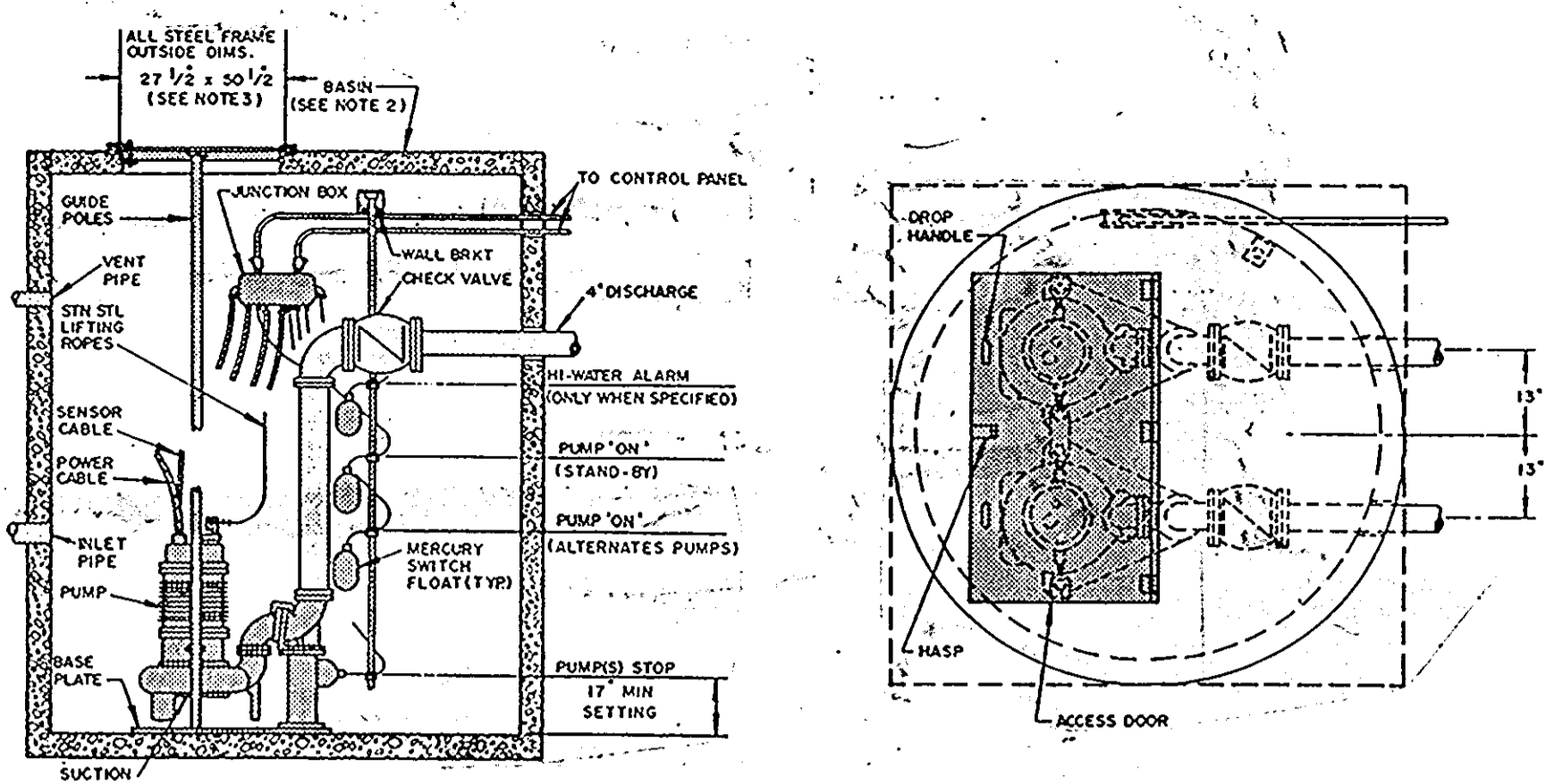
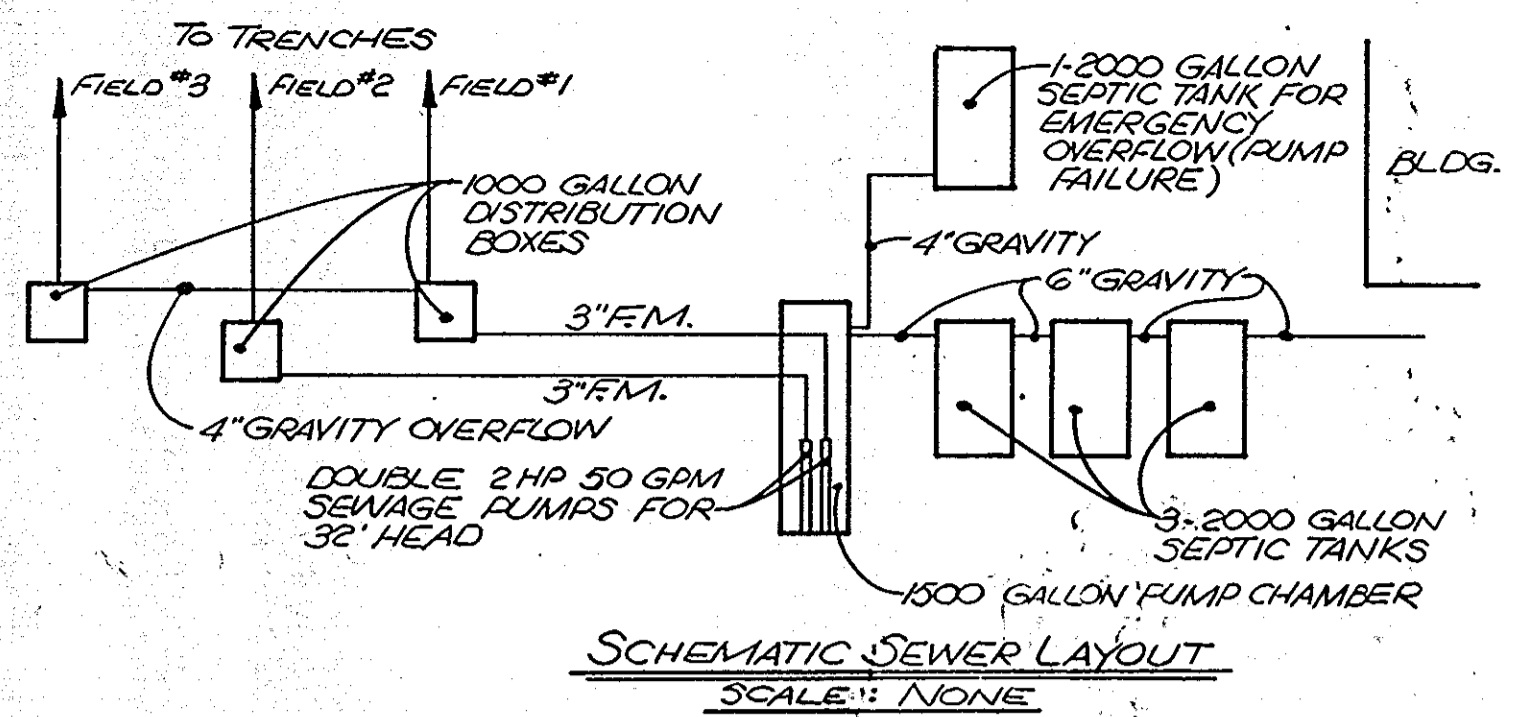
GREENHORNE & O'MARA, INC.
2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
(301) 948-0900

ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY

SITE DEVELOPEMENT PLAN
PARCEL 290
CHERRY TREE CENTER
FIFTH ELECTION DISTRICT TAX MAP 46
HOWARD COUNTY, MARYLAND

JWC DESIGN	SCALE 1" = 30'
CADD/DRAWN	3 OF 9
RHM CHECKED	SHEET
MAY '86 DATE	JOB No. 1367X
	FILE No. SDP-86-274

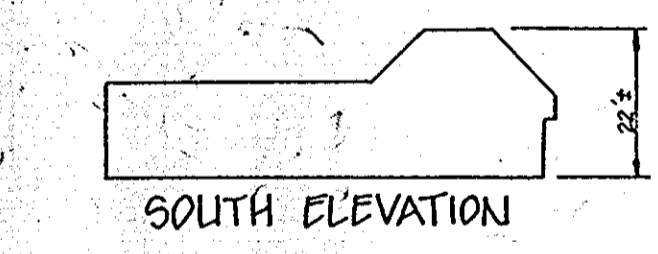
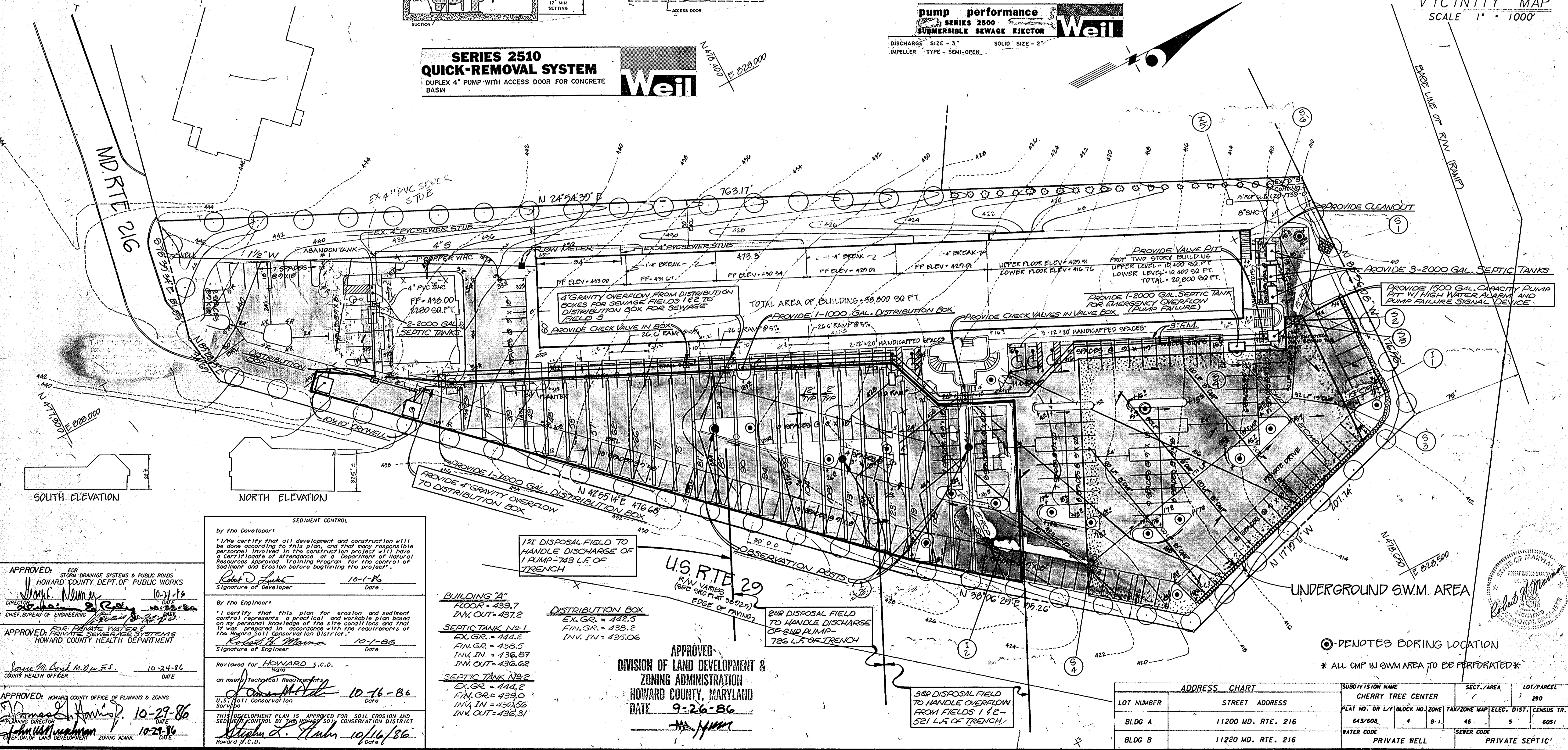
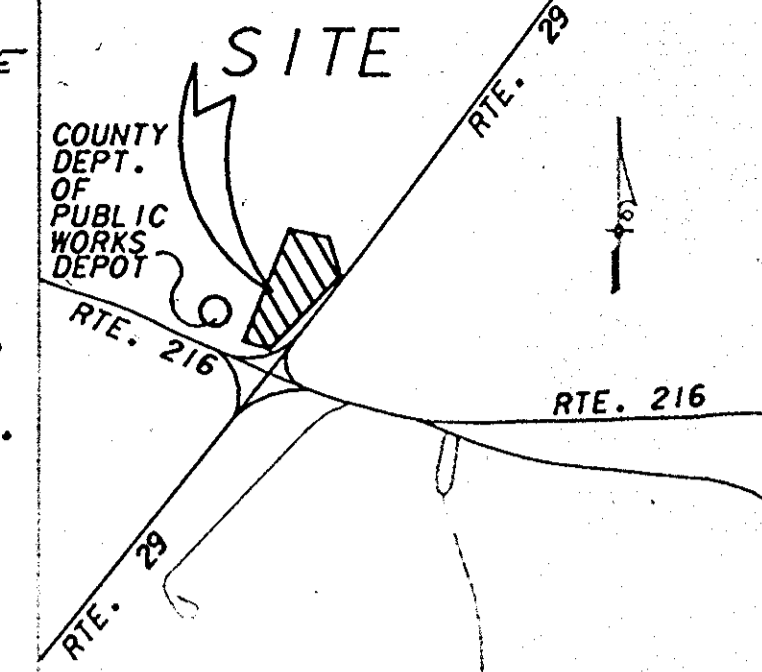
NOTE: TRENCHES TO BE CONNECTED TO DISTRIBUTION BOXES INDEPENDENTLY OF EACH OTHER.



Well
SERIES 2500
SUBMERSIBLE SEWAGE EJECTOR
 DISCHARGE SIZE - 3" SOLID SIZE - 2"
 IMPELLER TYPE - SEMI-OPEN

SERIES 2510
QUICK-REMOVAL SYSTEM
 DUPLEX 4" PUMP WITH ACCESS DOOR FOR CONCRETE BASIN

NOTES:
 1. WATER USE MAY NOT EXCEED 4,850 G.P.D. DUE TO ONSITE SEWAGE DISPOSAL LIMITATIONS. WATER METERS WILL BE INSTALLED ON INCOMING LINES AT EACH BUILDING.
 2. GREASE TRAPS TO BE PROVIDED FOR ALL FOOD SERVICE UNITS' KITCHEN WASTE LINES. TRAPS TO BE PROVIDED IN REAR OF BUILDINGS



APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 Director: [Signature]
 Chief, Bureau of Engineering: [Signature]

APPROVED: FOR PRIVATE WATER SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 County Health Officer: [Signature]

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Planning Director: [Signature]

SEDIMENT CONTROL
 by the Developer:
 I/We certify that all development and construction will be done according to this plan, and that many 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.
 Signature of Developer: [Signature] Date: 10-1-86

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.
 Signature of Engineer: [Signature] Date: 10-1-86

Reviewed for HOWARD S.C.D.
 Name: [Signature]
 U.S. #11 Conservation Service
 Date: 10-16-86

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Signature of [Signature] Date: 10/16/86

BUILDING "A"
 FLOOR = 439.7
 INV. OUT = 437.2

SEPTIC TANK No. 1
 EX. GR. = 444.2
 FIN. GR. = 438.5
 INV. IN = 436.87
 INV. OUT = 436.62

SEPTIC TANK No. 2
 EX. GR. = 444.2
 FIN. GR. = 439.0
 INV. IN = 436.56
 INV. OUT = 436.31

DISTRIBUTION BOX
 EX. GR. = 442.5
 FIN. GR. = 435.2
 INV. IN = 435.06

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 9-26-86

ADDRESS CHART		SUBDIVISION NAME		SECT./AREA	LOT/PARCEL
LOT NUMBER	STREET ADDRESS	CHERRY TREE CENTER			290
BLDG A	11200 MD. RTE. 216	PLAT NO. OR L.F./BLOCK NO./ZONE	TAX/ZONE MAP/ELEC. DIST.	CENSUS TR.	
BLDG B	11220 MD. RTE. 216	643/608 4 B-1	46 5	6051	
		WATER CODE	SEWER CODE		
		PRIVATE WELL	PRIVATE SEPTIC		

G & G ASSOCIATES
 c/o GREENBERG REALTY COMPANY
 8401 CONNECTICUT AVE.
 SUITE 1000
 CHEVY CHASE, MARYLAND 20815

No.	REVISION	DATE	BY
1	Relocate WHC and SHC Due to Approved Relocation of Bank	1-20-89	GRB
2	CONNECTED SHC CONNECTION FROM BANK TO RETAIL	4-21-89	KRM



ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
 (301) 948-0900
 ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
 GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY

ON-SITE WATER & SEWER PLAN
 "BUILDING AND PARKING REVISIONS TO SDP-86-18"
CHERRY TREE CENTER
 PARCEL No. 290
 FIFTH ELECTION DISTRICT TAX MAP 46
 HOWARD COUNTY, MARYLAND

KKK DESIGN SCALE: 1" = 30'
 GAW/DRAWN/OP
 RHM CHECKED SHEET
 DATE: JUN 86 JOB No. R1367X FILE No. SDP-86-274

SPECIFICATIONS

Plant Identification: All plants shall be properly marked for identification.

List of Plant Material

The Contractor will verify the plant quantities prior to bidding and any discrepancies shall be brought to the attention of the Landscape Architect. The Contractor shall furnish and plant all plants required to complete the work shown on the drawings. Substitution shall not be made without the written approval of the Landscape Architect. This Contract will be based on the bidder having verified prior to bidding, the availability of the required plant material as specified on the Plant Materials List.

Plant Quality

All shrubs shall be dense, heavy to the ground, and well grown, showing evidence of having been sheared regularly, and shall be sound, free of plant disease or insect eggs and shall have a healthy normal root system. Plants shall be freshly dug and not heeled-in stock from cold storage. All plants shall be nursery grown (except as noted below). Plants shall not be pruned prior to delivery. The shape of the plant shall in general conform to its natural growth proportions unless otherwise specified. Trees shall conform to the branching, caliber, and height specifications of the American Association of Nurserymen, and shall have a well-shaped, heavy branch structure for the species. Evergreen trees are to have an internode no greater than 18" and shall be uniformly well shaped. All plant sizes shall average at least the middle of the range given in the plant list.

Plant Spacing

Plant spacing is to scale on plan. No plants except espaliered material shall be closer than 30" to buildings.

Soil Mix

Solid mix will be 2/3 existing soil, 1/3 leafmold or equal organic material, thoroughly mixed and homogenized.

Excavation

Holes for all plants shall be 18" larger in diameter than size of ball or container and shall have vertical sides. Hedges shall be planted in a trench 12" deep, beds for planting shall be entirely rotted to a depth of 8" and shall be 18" beyond the average outside edge of plant balls.

Planting

Backfilling shall be done with soil mix, reasonably free of stones, subsoil, clay lumps, stumps, roots, weeds, Bermuda grass, litter, toxic substances, or any other material which may be harmful to plant growth, or hinder grading, planting, or maintenance operations. Should any unforeseen or unstable planting conditions arise, such as faulty soil drainage or chemical residues, they should be called to the attention of the Landscape Architect and Owner for adjustment before planting. The plant shall be set plumb and straight, and shall be staked at the time of planting. Backfill shall be well worked about the roots and settled by watering. Plants will be planted higher than surrounding grade. Container and trees will be 3" higher.

Transplanting Trees by Tree Machines

Trees shall be moved by machines that provide a minimum ball diameter of 5" per 1" of tree caliper. Holes are to be dug by the same size machine as the one transporting the plant. The plant material shall be transplanted in approximately the same growing conditions as it is presently growing. In lieu of soil type and moisture content, fertilize and gus as described in these plans and specifications.

Cultivation

All trenches and shrub beds shall be cultivated, edged and mulched to a depth of 3" with fine shredded hardwood bark. The area around isolated plants shall be mulched to at least a 6" greater diameter than that of the hole. Plant beds adjacent to buildings shall be mulched to the building wall.

Maintenance

The Contractor shall be responsible during the contract and up to the time of acceptance, for keeping the planting and work incidental thereto in good condition, by replanting, plant replacement, watering, weeding, cultivating, pruning and spraying, restaking and cleaning up and by performing all other necessary operations of care for promotion of good plant growth so that all work is in satisfactory condition at time of acceptance, at no additional cost to the Owner.

Fertilizer

Fertilizer shall be a slow release type contained in polyethylene perforated bags with micro-pore holes for controlled feeding such as Easy Grow as manufactured by Speciality Fertilizer, Inc., Box 355, Suffern, New York 10901 or approved equal. The bags shall contain 1 ounce of soluble fertilizer analysis 16-16-16 per units to last for three years and shall be applied during planting as recommended by the manufacturer. If fertilizer packets are not used the Contractor shall apply granular fertilizer to the soil mix with 10-6-4 analysis at the following rates: Tree Pits, 2-3 lbs. per caliper inch; Shrub Beds, 3-5 lbs. per 100 square feet; Ground cover, 2-3 lbs. per 100 square foot.

Ground Cover

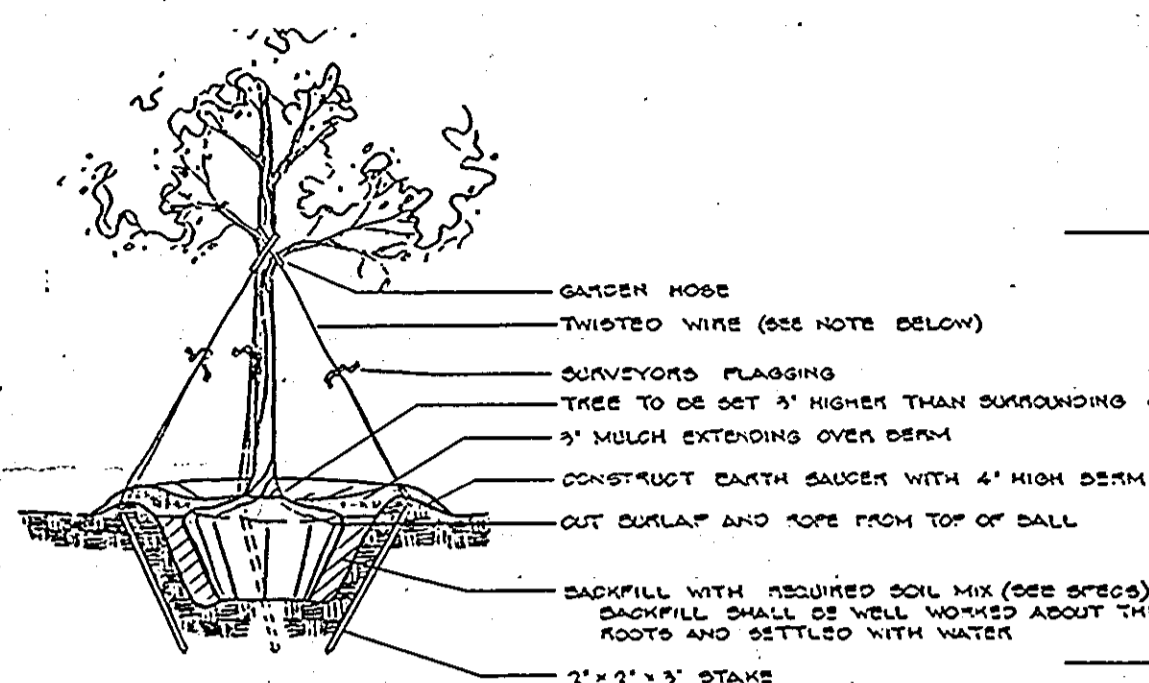
All areas of ground cover shall be rototilled to a depth of 6". Apply 2" of organic material and rototill until thoroughly mixed. Apply fertilizer as listed above.

Guarantee and Replacement

All materials shall be unconditionally guaranteed for one year. The Contractor is not responsible for losses or damages caused by mechanical injury or vandalism.

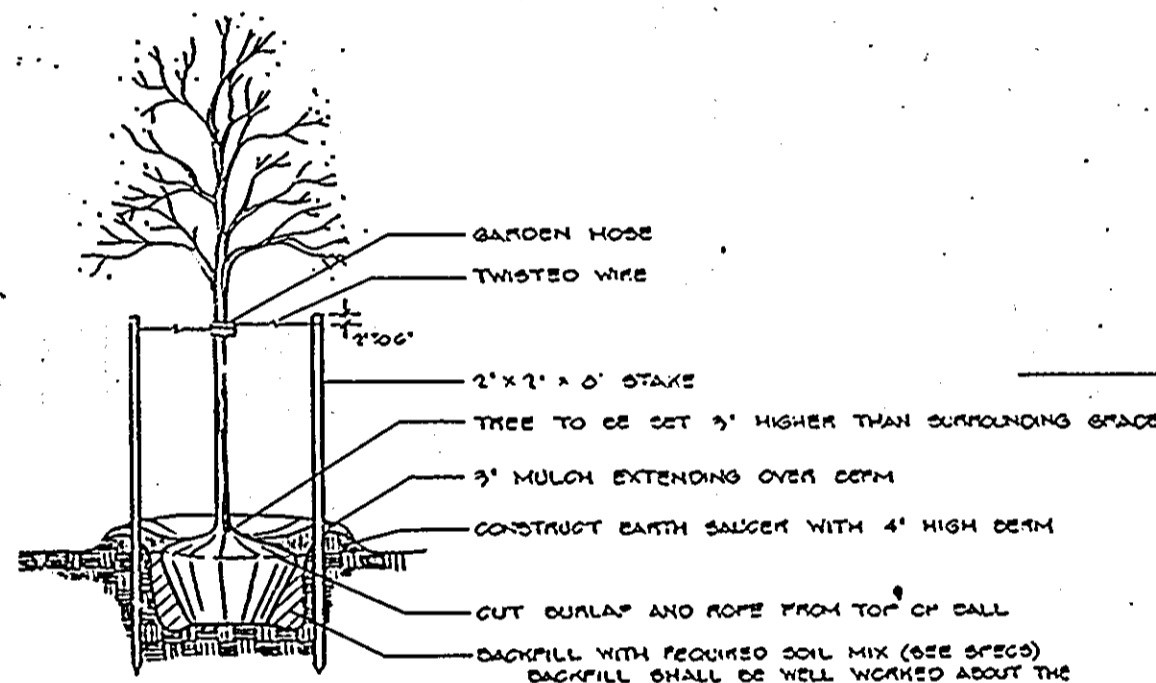
Note: Groundcover in parking lot islands to be planted between June 1 and September 15.

PLANTING DETAILS



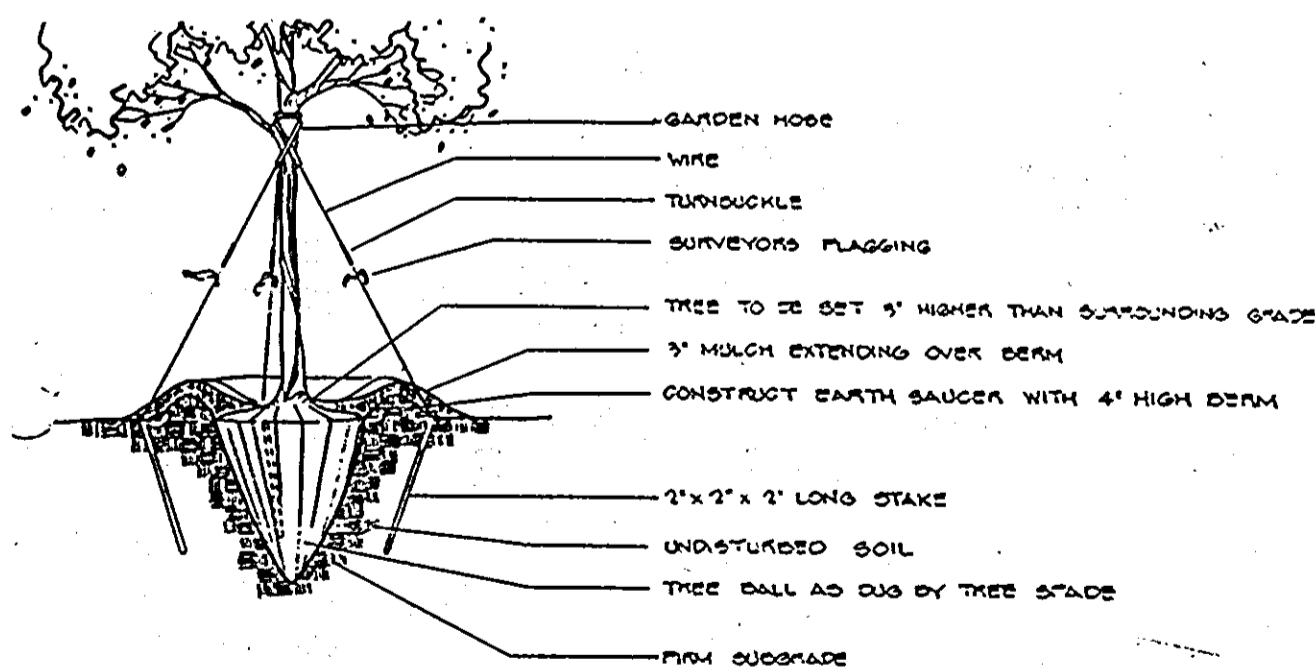
PLANTING AND GUYING DETAIL EVERGREEN TREES AND DECIDUOUS TREES - 10' AND LARGER

NOTE: TWISTED WIRE FOR DECIDUOUS TREES 1 1/2" x 4" GAL. EVERGREEN TREES UP TO 8" - 10" THROUGHBOLE FOR DECIDUOUS TREES 3/4" AND ABOVE DECIDUOUS TREES 6" AND TALLER.



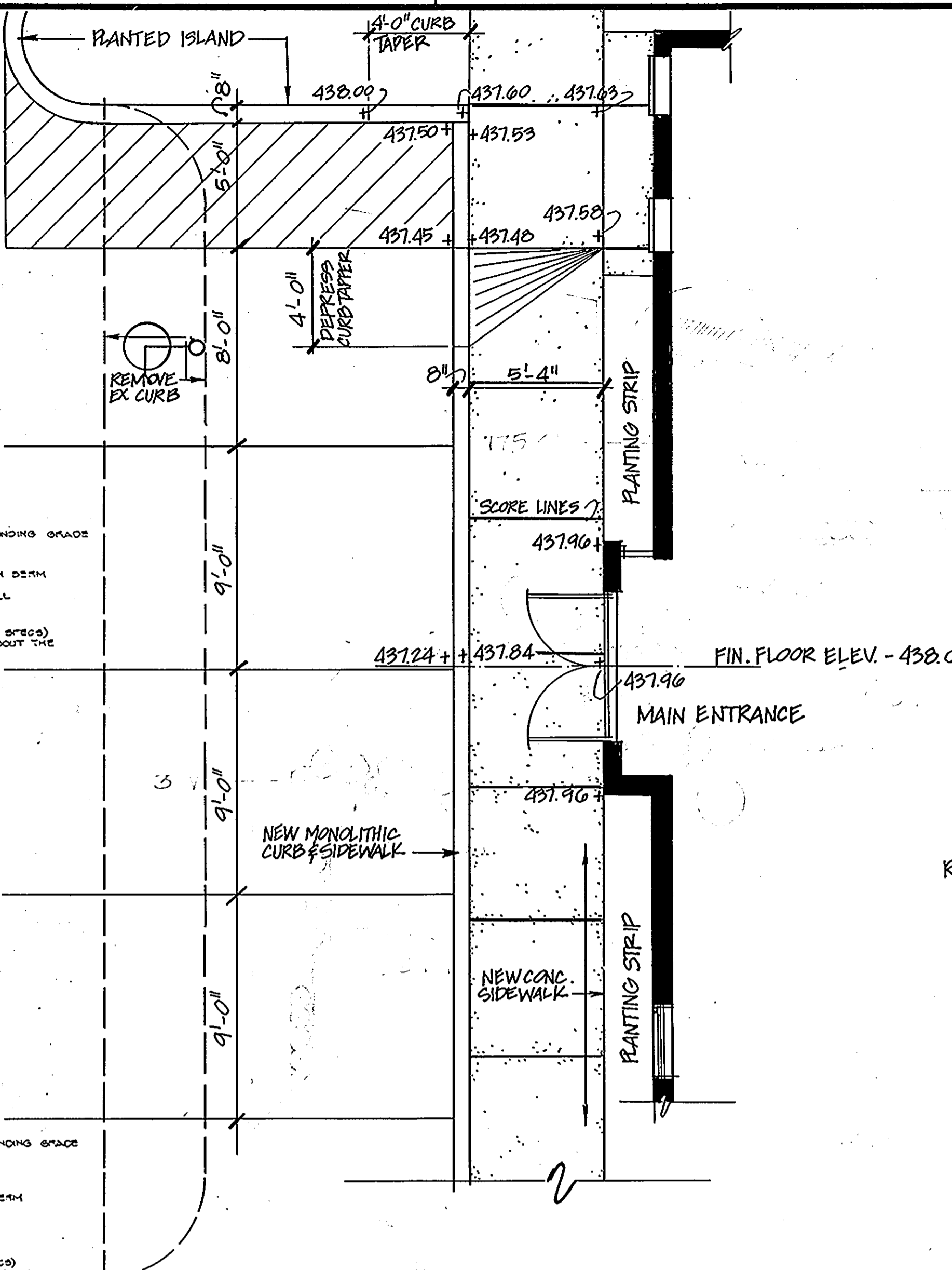
PLANTING AND STAKING DETAIL DECIDUOUS TREES UP TO 10'

NO SCALE



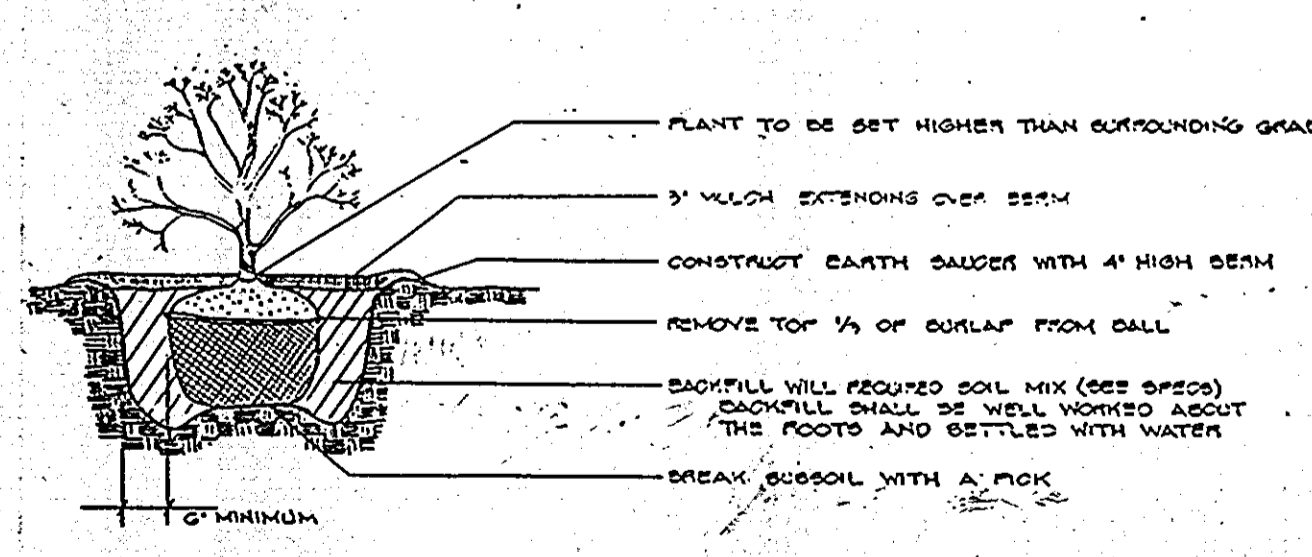
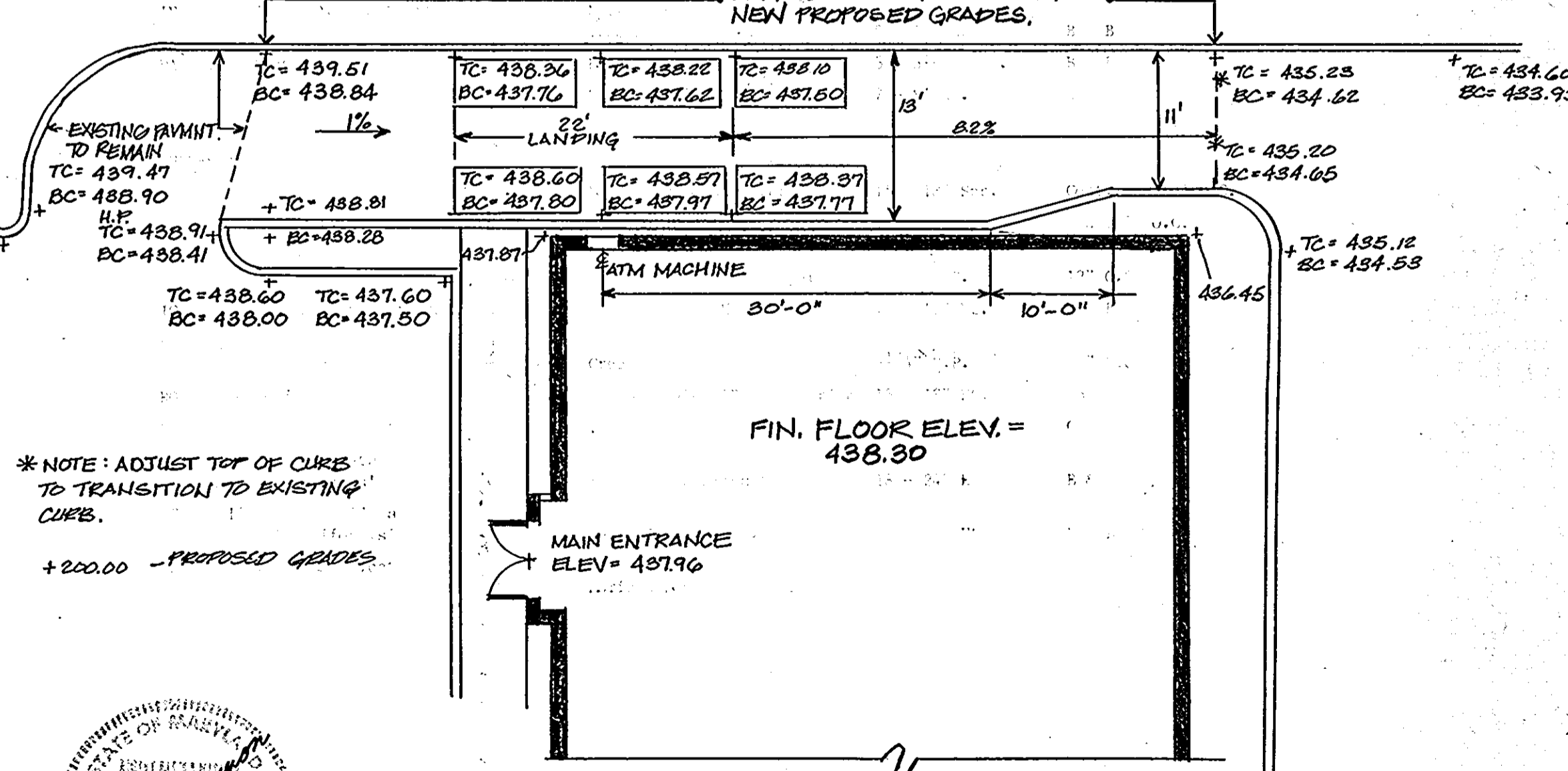
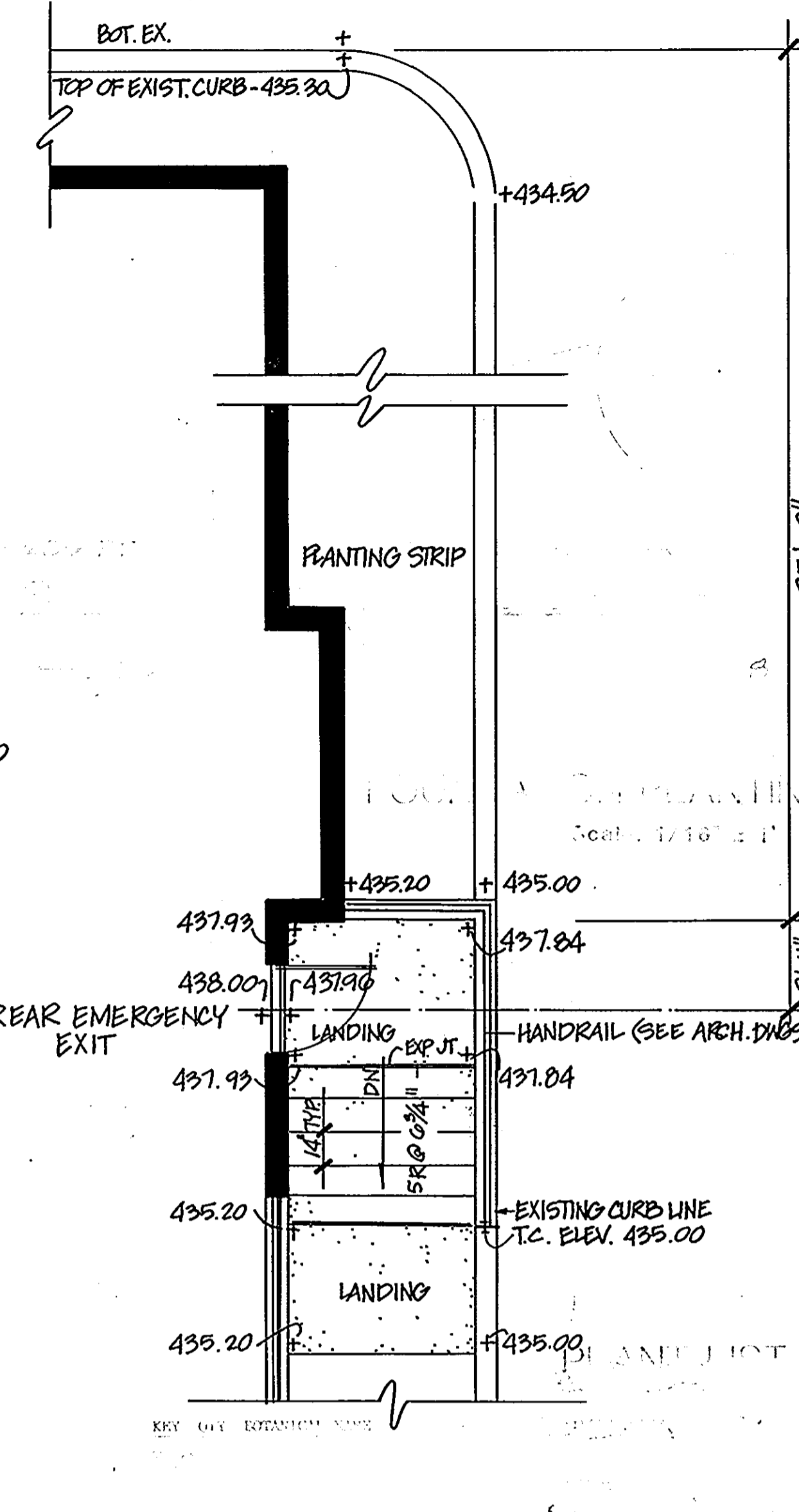
PLANTING AND GUYING DETAIL MACHINE PLANTING

NO SCALE



REVISED HANDICAPPED ACCESS
NEW BLDG. FRONT
1/4" - 1'-0"

REVISED EMERGENCY EXIT ACCESS
NEW BLDG. REAR
1/4" - 1'-0"



SHRUB PLANTING - DETAIL

NO SCALE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 9-26-86

APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD COUNTY DEPT. OF PUBLIC WORKS
DATE: 10-28-86
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 10-29-86
APPROVED: PRIVATE WATER & SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 10-24-86



ATM DRIVEWAY REVISION
WEST END OF BLDG.
1" = 10'

"BUILDING AND PARKING REVISIONS TO SDP-86-13"

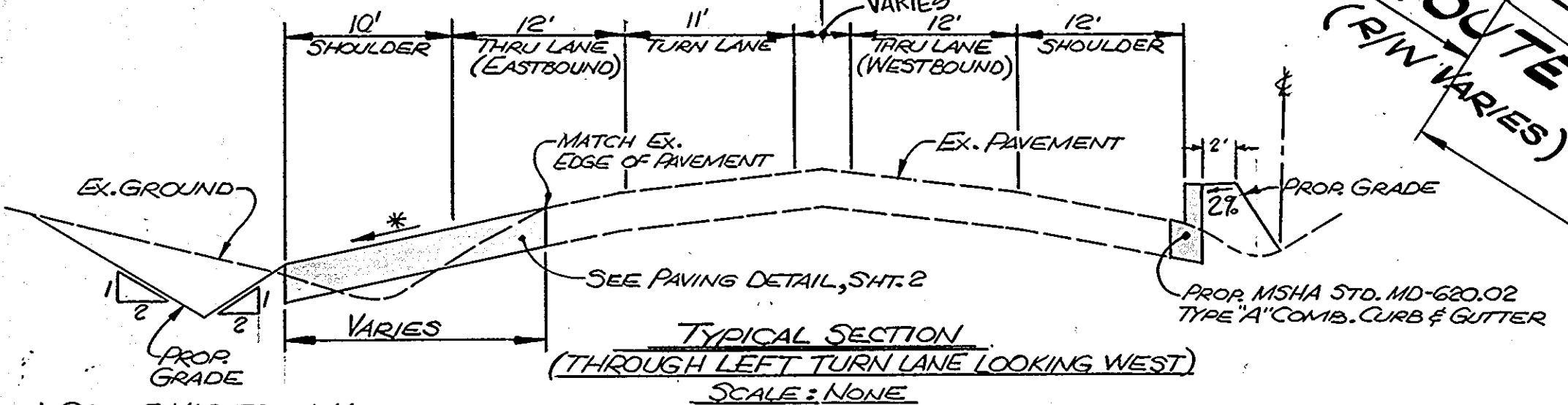
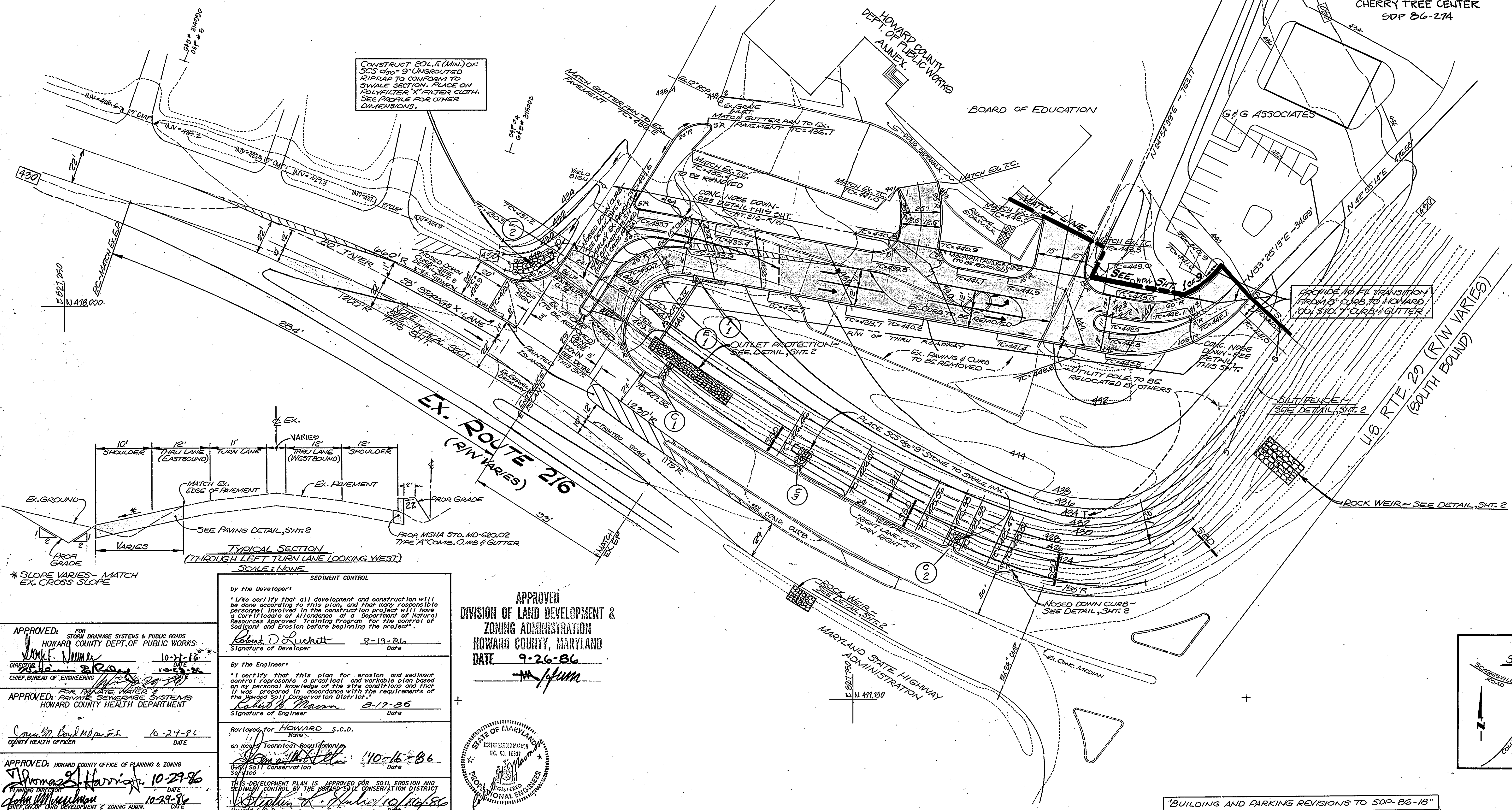
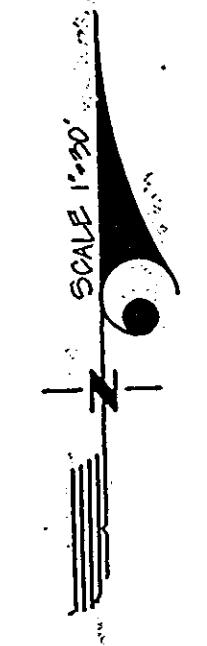
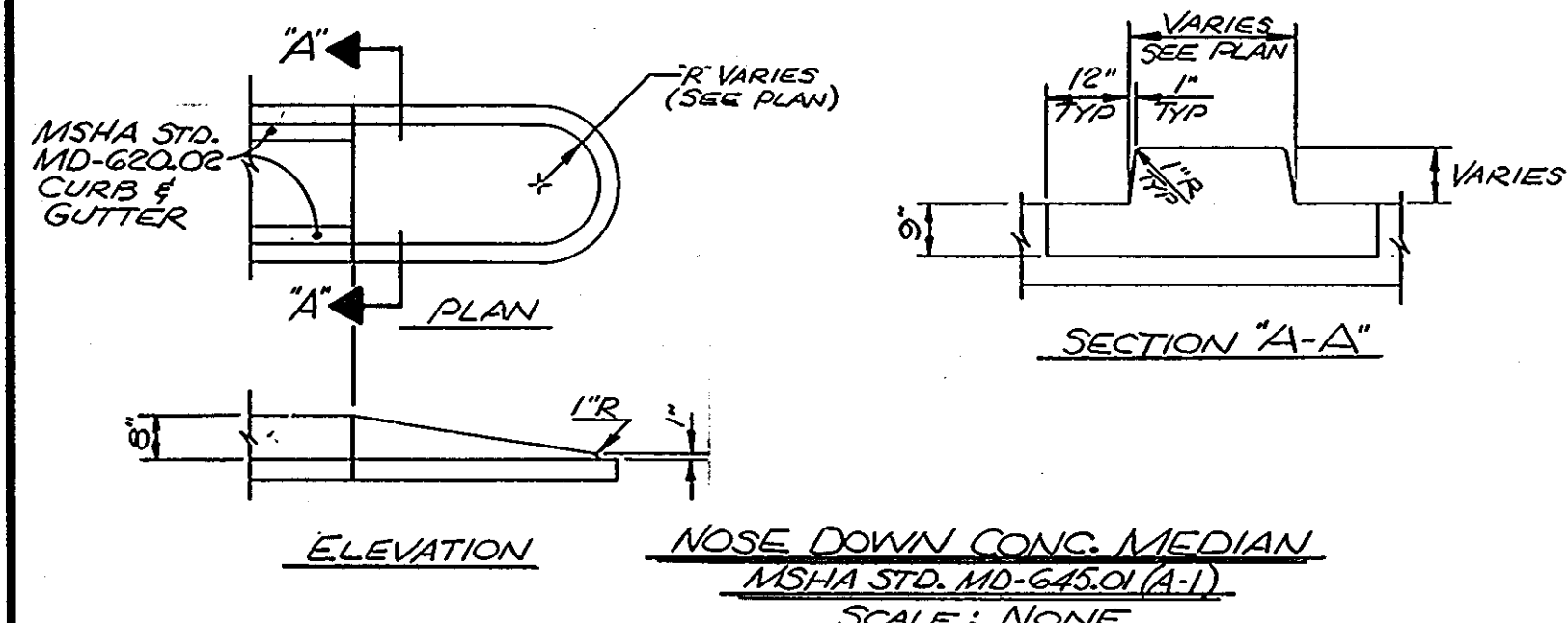
G & G ASSOCIATES
7296 GREENBURG REALTY COMPANY
118401 CONNECTICUT AVE.
SUITE 1000
CHEVY CHASE, MARYLAND 20815

No.	REVISION	DATE	BY
1.	ADD DETAILED ENLARGEMENTS OF BANK	10/26/86	KRM
2.	ADD ATM DRIVEWAY REVISION	12/11/86	PTH



ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
(301) 948-0900
ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY

LANDSCAPE PLAN DETAILS
CHERRY TREE CENTER
PARCEL NO. 290
FIFTH ELECTION DISTRICT TAX MAP 46
HOWARD COUNTY, MARYLAND
EIT DESIGN SCALE AS NOTED
EIT DRAWN 5 OF 9
JFC CHECKED SHEET
AUG 1, 86 DATE R-1367-X FILE No.
JOB No. SDP-86-274



APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 Director: *[Signature]* 10-21-86
 Chief, Bureau of Engineering: *[Signature]* 10-23-86

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 County Health Officer: *[Signature]* 10-24-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Planning Director: *[Signature]* 10-29-86
 Chief, Office of Land Development & Zoning Admin.: *[Signature]* 10-29-86

SEDIMENT CONTROL
 by the Developer:
 "I/We certify that all development and construction will be done according to this plan, and that every responsible person 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."
 Signature of Developer: *[Signature]* 8-19-86
 Date

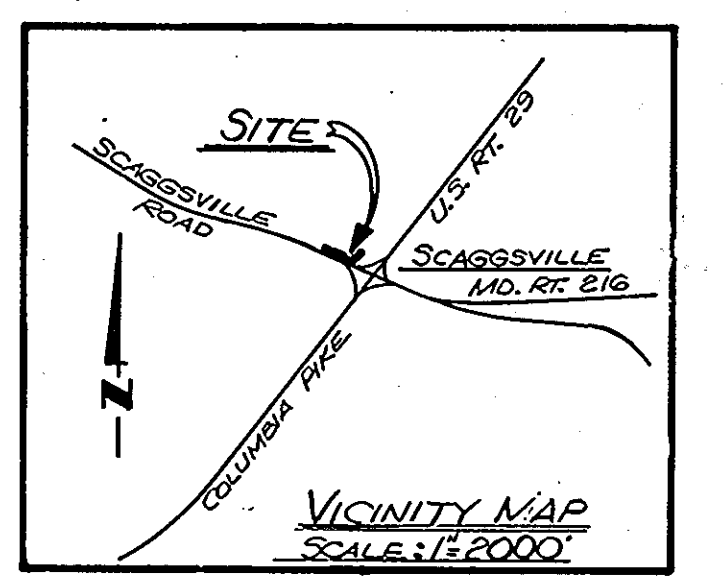
By the Engineer:
 "I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."
 Signature of Engineer: *[Signature]* 8-19-86
 Date

Reviewed for HOWARD S.C.D.
 on new Technical Requirements for
 Howard Soil Conservation District
 Date: 11-06-86

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Date: 10/20/86
 Howard S.C.D.

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-26-86
[Signature]

STATE OF MARYLAND
 REGISTERED PROFESSIONAL ENGINEER
 No. 11593



OWNER/DEVELOPER:
 G&G ASSOCIATES, INC.
 c/o GREENBERG REALTY COMPANY
 8401 CONNECTICUT AVE. SUITE 1010
 CHEVY CHASE, MD. 20815

No.	REVISION	DATE	BY

ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGAMMETRISTS

GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
 (301) 948-0900

ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
 GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY

ENTRANCE PLAN

CHERRY TREE CENTER
 PARCEL No. 230 TAX MAP 46
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

KK/JWC DESIGN SCALE 1"=30'

GAW DRAWN 6 OF 9

RHM CHECKED SHEET

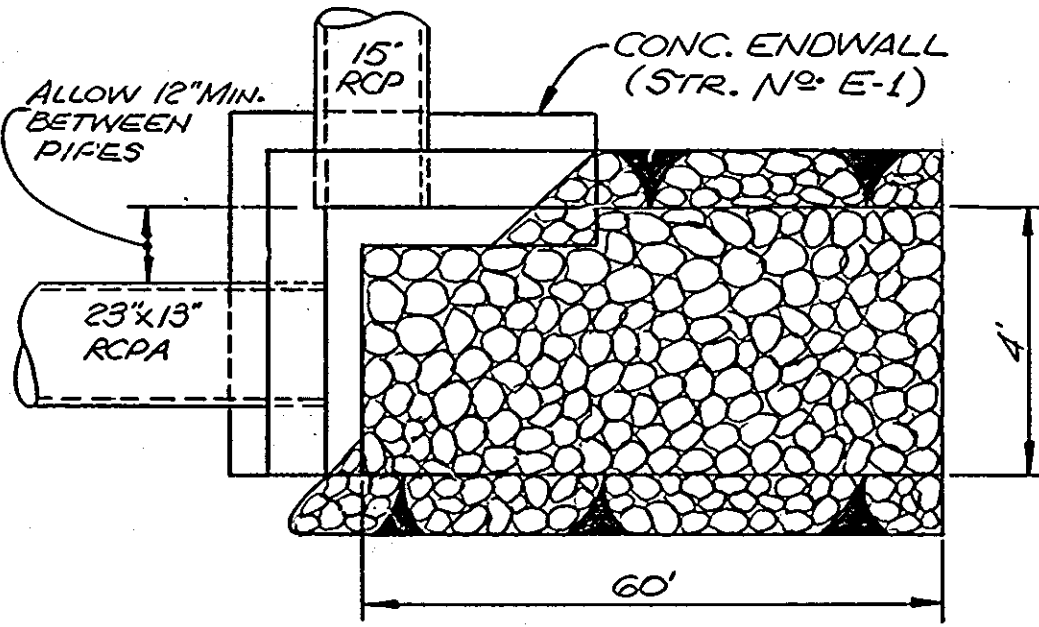
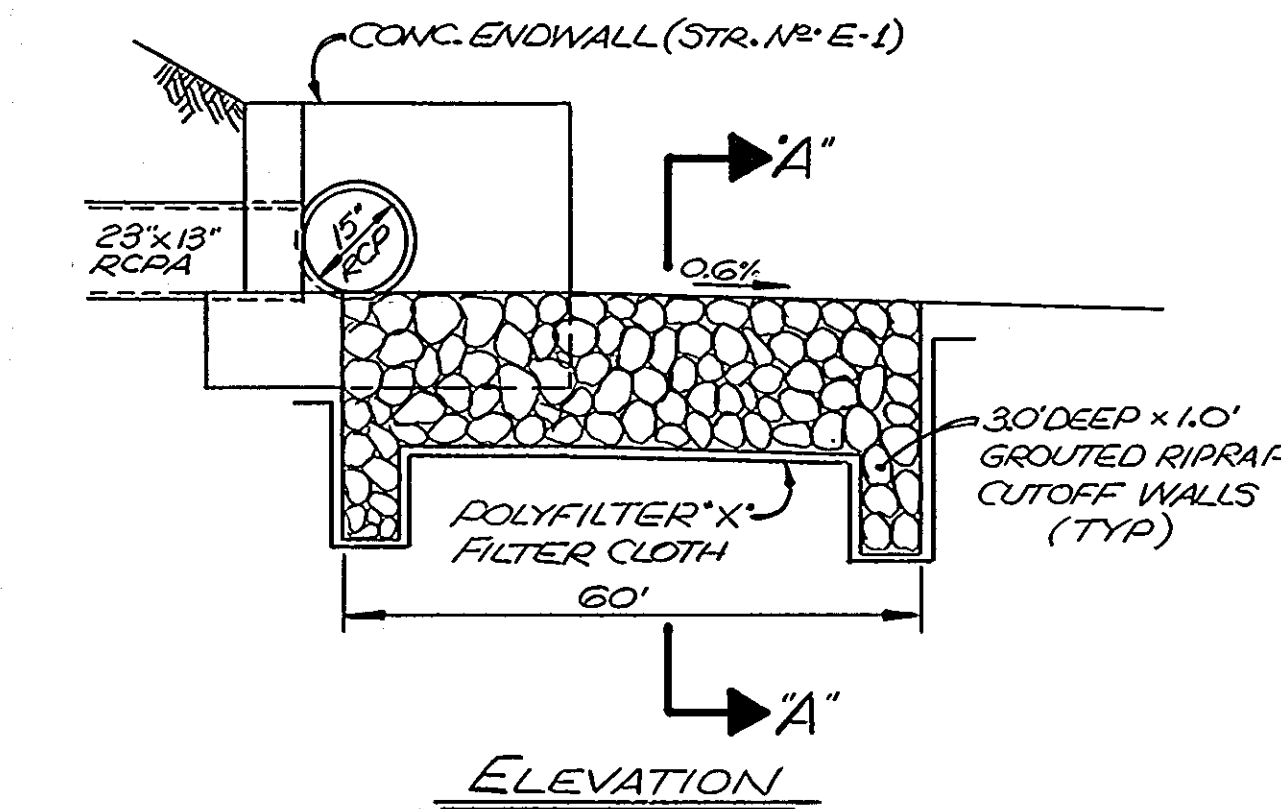
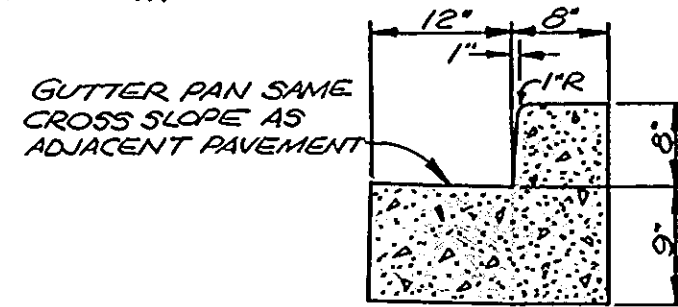
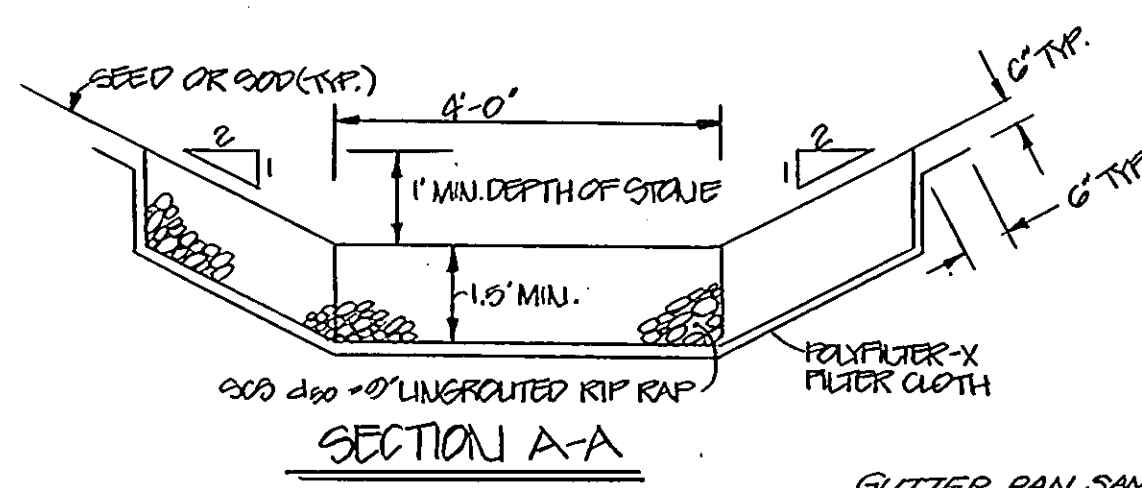
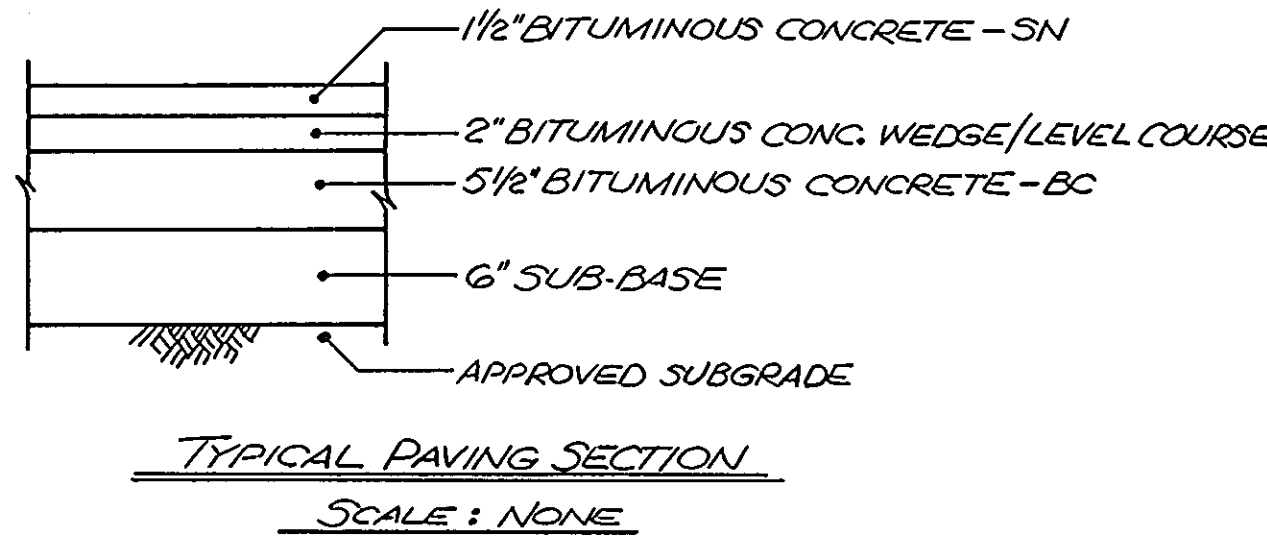
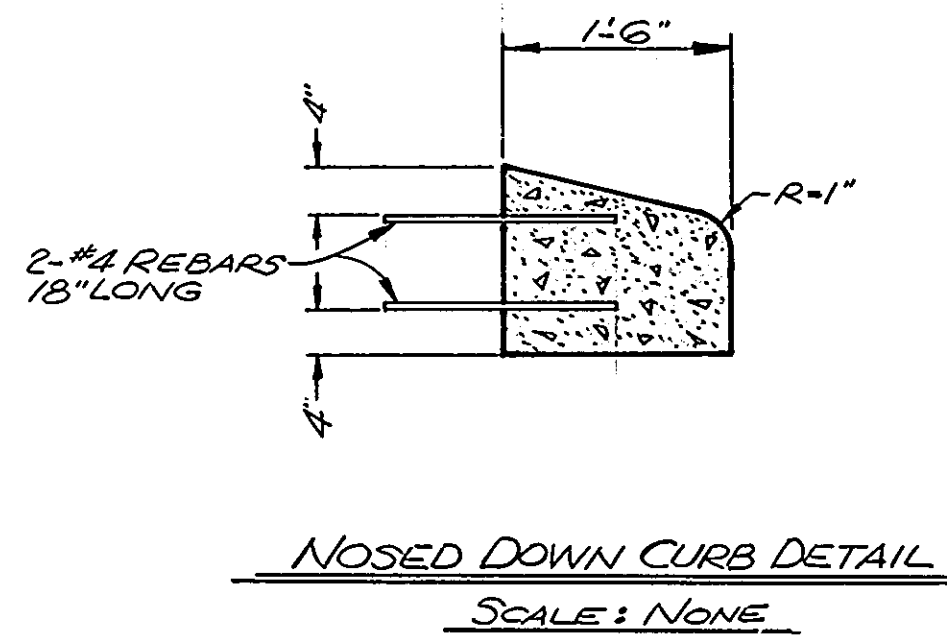
JULY 86 DATE JOB No. R-1367-X FILE No.

SDP-86-274

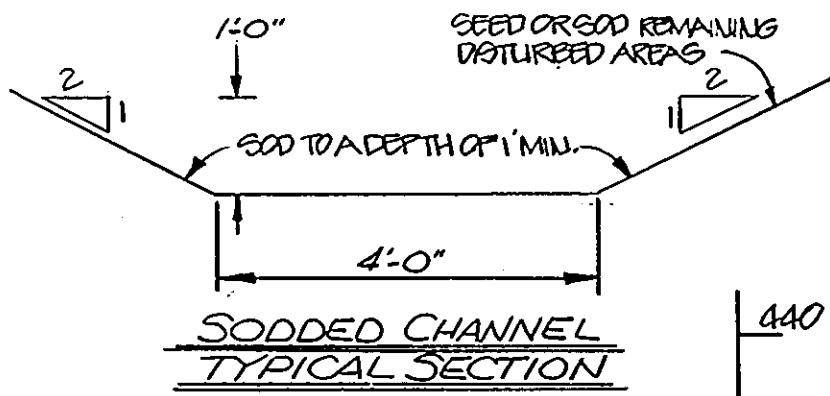
"BUILDING AND PARKING REVISIONS TO SDP-86-13"

SEQUENCE OF CONSTRUCTION

1. Clear and grub areas necessary and construct rock weirs and silt fence
2. Place the first 35 feet of proposed 23"x13" RCPA between proposed Structure E-1 and existing entrance drive
3. Grade proposed ditch and embankment along Route 216 grading as necessary to direct flow from existing 15" CMP under existing entrance drive into new 23"x13" RCPA. Stabilize ditch and embankment areas immediately.
4. Place strawbale dikes across new swale at intervals shown on plan
5. Clear and grub areas necessary to construct additional paving along Route 216 and new entrance drive and begin grading
6. Once rough grading is complete, construct storm drain structures I-1 and E-1 and connecting pipe
7. Construct curb and gutter and paving only in areas which will not impede existing traffic patterns
8. At such time new entrance can be utilized for existing traffic flows, close off old entrance as necessary and direct traffic flow through new entrance
9. Construct remainder of storm drain structures and pipe including 15" rad drop section
10. Remove existing 15" CMP
11. Construct remainder of curb and gutter and paving and stabilize all disturbed areas
12. At such time all areas have been stabilized, remove rock weir, silt fence and straw bale dikes.

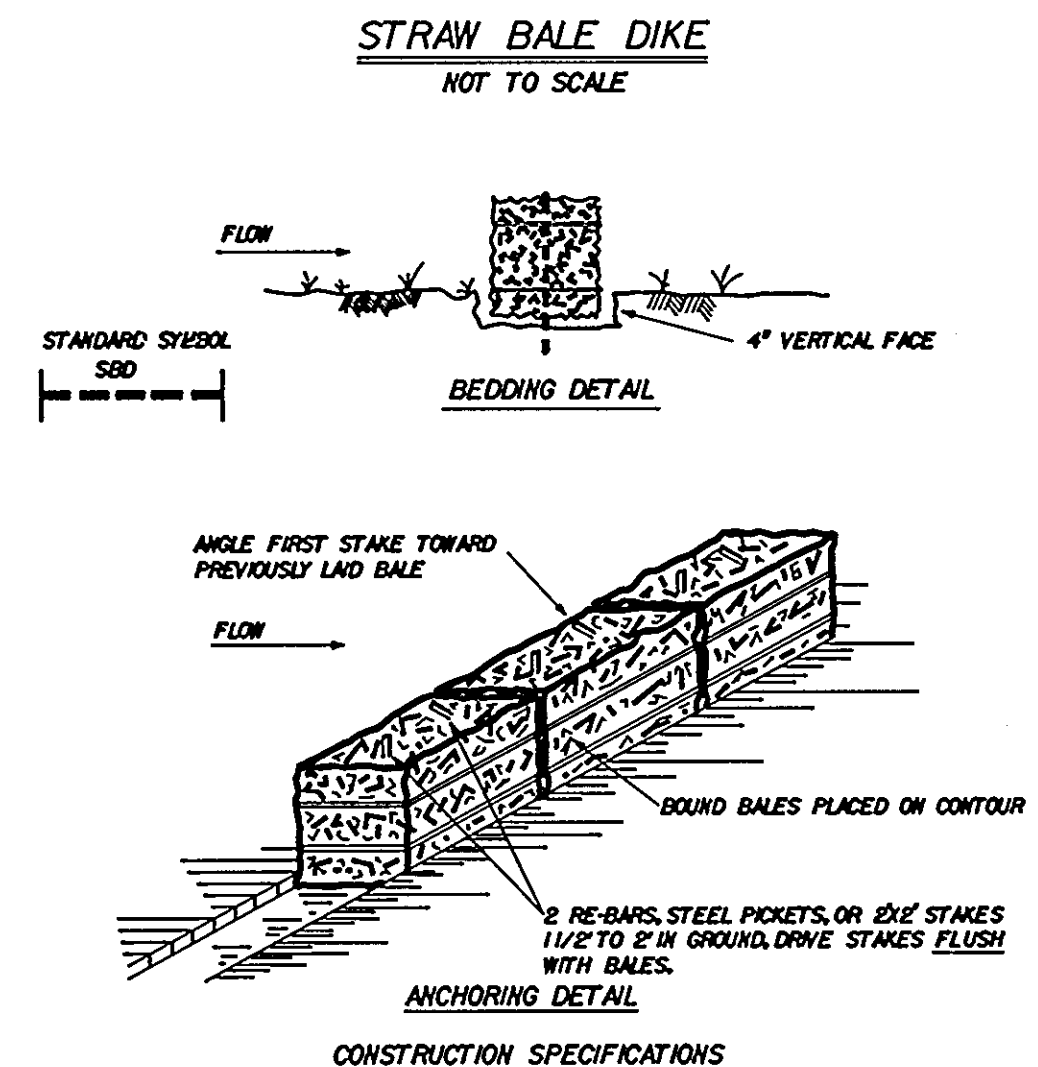
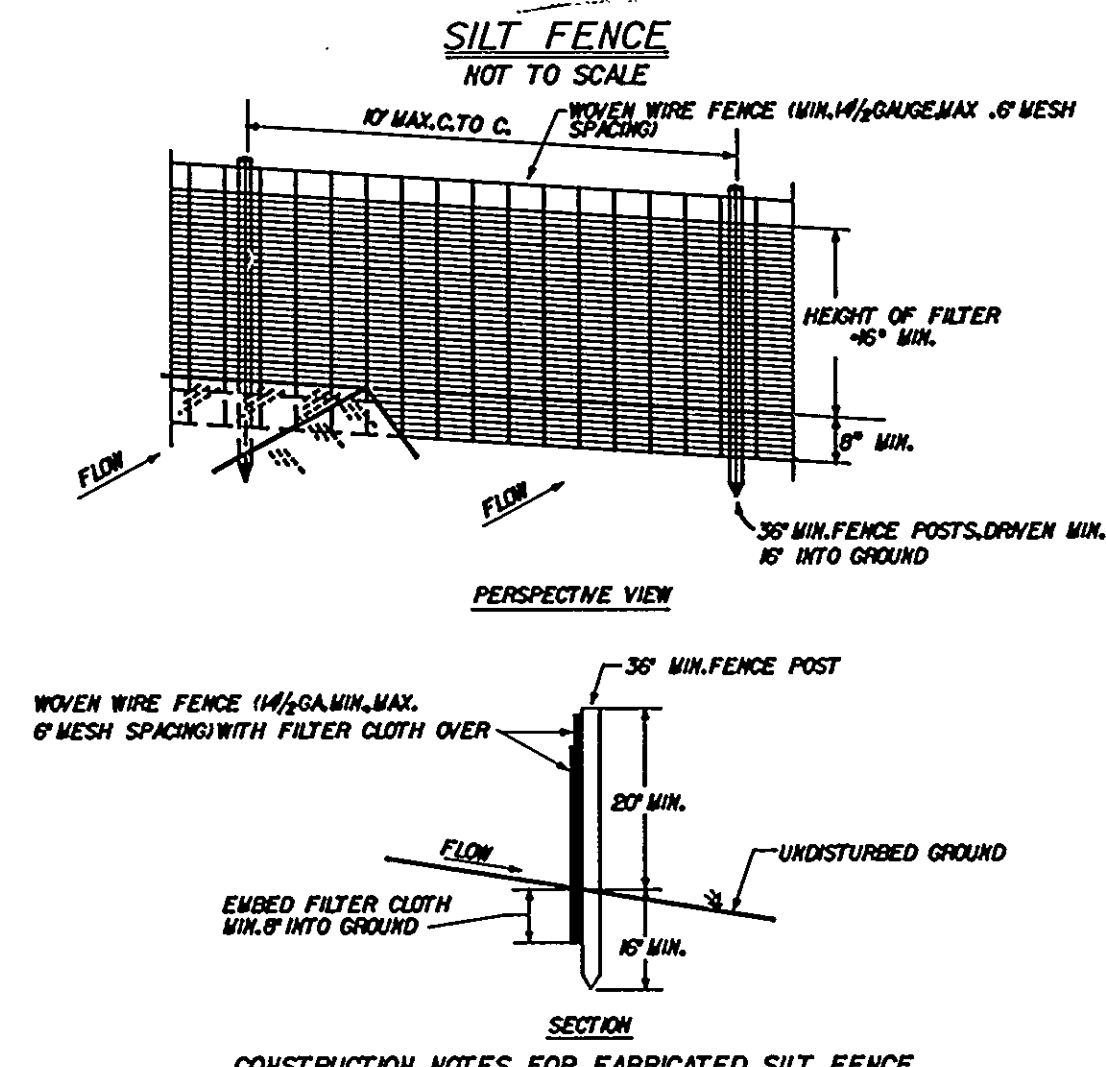


OUTLET PROTECTION
SCALE: NONE



GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOL. IV, DETAILS AND SPECIFICATIONS FOR CONSTRUCTION.
2. ALL UTILITY COMPANIES SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CONSTRUCTION.
3. ALL INLETS SHALL BE HOWARD COUNTY STANDARDS UNLESS OTHERWISE SHOWN.
4. ALL STREET CURB RETURNS SHALL HAVE A 30.0' RADIUS UNLESS OTHERWISE NOTED.
5. STORM DRAIN TRENCHES WITHIN ROAD RIGHTS-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATIONS.
6. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES WHERE DIRECTED BY THE ENGINEER A MINIMUM OF TWO WEEKS IN ADVANCE OF ANY CONSTRUCTION.
8. TEMPORARY COMPACTED 18\"/>



STRUCTURE SCHEDULE

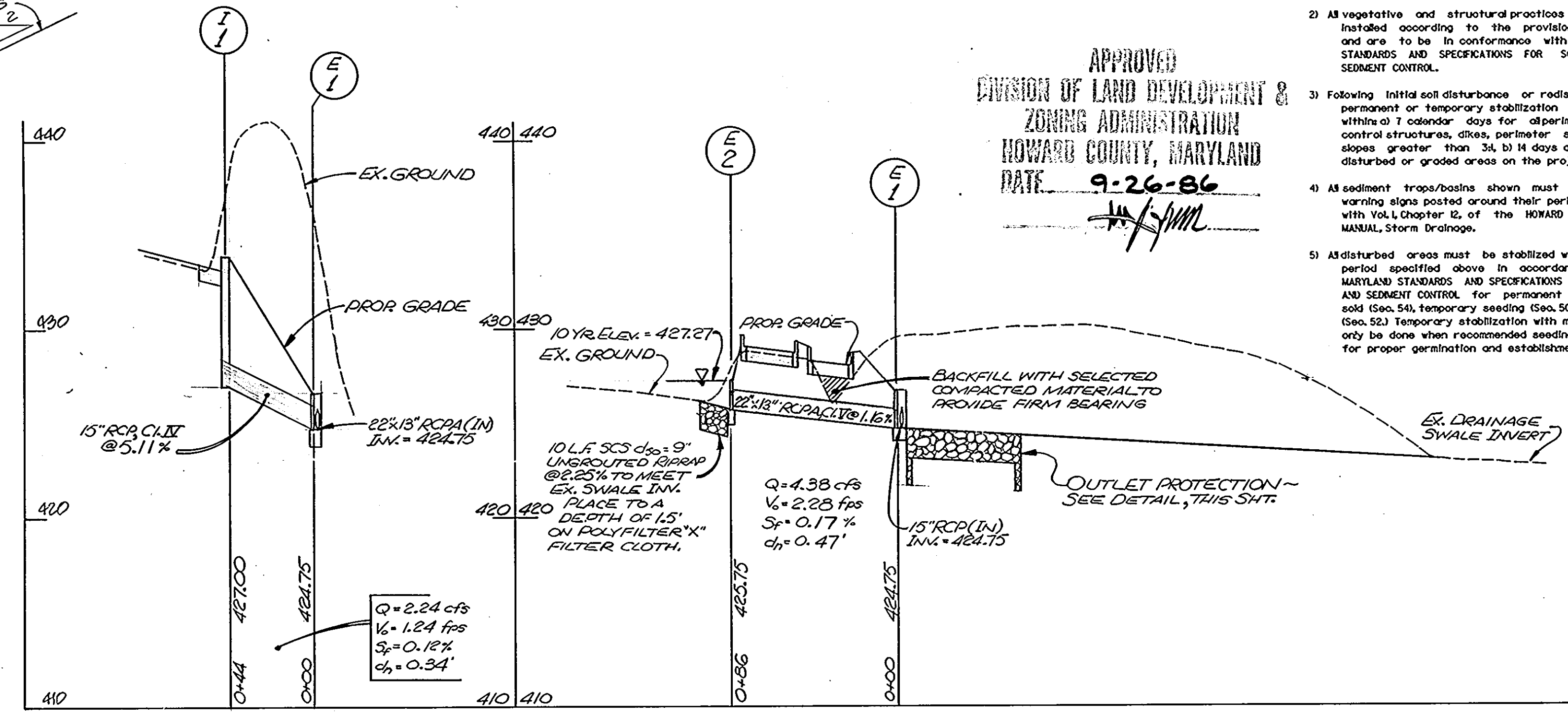
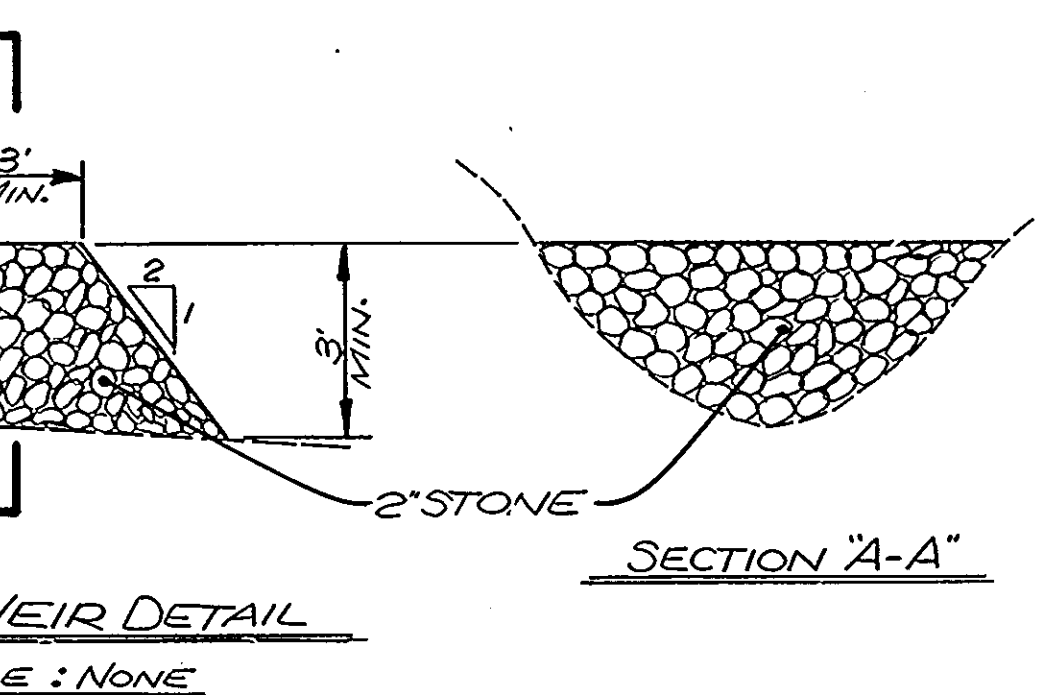
NO.	STRUCTURE TYPE	INVERT		TOP ELEV.		STANDARD NUMBER
		IN	OUT	UPPER	LOWER	
I-1	STANDARD 20' COG INLET	421.00	424.75	435.24	433.64	MDSHA STANDARD 374.31
E-1	STANDARD TYPE 'E' ENDWALL	424.75	424.75	426.75	-	MDSHA STANDARD 356.01
E-2	STANDARD TYPE 'C' ENDWALL	425.75	425.75	427.25	-	MDSHA STANDARD 356.01
C-1	STANDARD CURB OPENING	-	-	-	-	MDSHA STANDARD 340.02 (ON GRADE)
C-2	STANDARD CURB OPENING	-	-	-	-	MDSHA STANDARD 340.02 (GUMP)

PIPE SCHEDULE

SIZE	TYPE	LENGTH
15"	RCPA, C.I.VI	44'
23"x13"	RCPA, C.I.VI	86'

SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection 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 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. If days as to whether 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. I, Chapter 10, 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. 50) and temporary seedings (Sec. 50) and matching (Sec. 52). Temporary stabilization with match seeding can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.



STORM DRAIN PROFILES
SCALE: HORIZ 1"=50' VERT 1"=5'

APPROVED: [Signature] 10-21-86
APPROVED: [Signature] 10-24-86
APPROVED: [Signature] 10-29-86

SEDIMENT CONTROL

by the Developer:
 [Signature] 8-19-86
 Signature of Developer Date

By the Engineer:
 [Signature] 8-18-86
 Signature of Engineer Date

Reviewed for HOWARD S.C.D. [Signature] 10-16-86
 on behalf of [Signature] 10-16-86
 U.S. Soil Conservation Service Date

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT [Signature] 10/16/86
 Howard S.C.D. Date

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 9-26-86
 [Signature]

G & G ASSOCIATES
 c/o GREENBERG REALTY COMPANY
 8401 CONNECTICUT AVE.
 SUITE 1000
 CHEVY CHASE, MARYLAND 20815

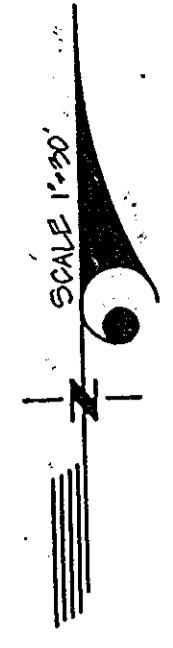
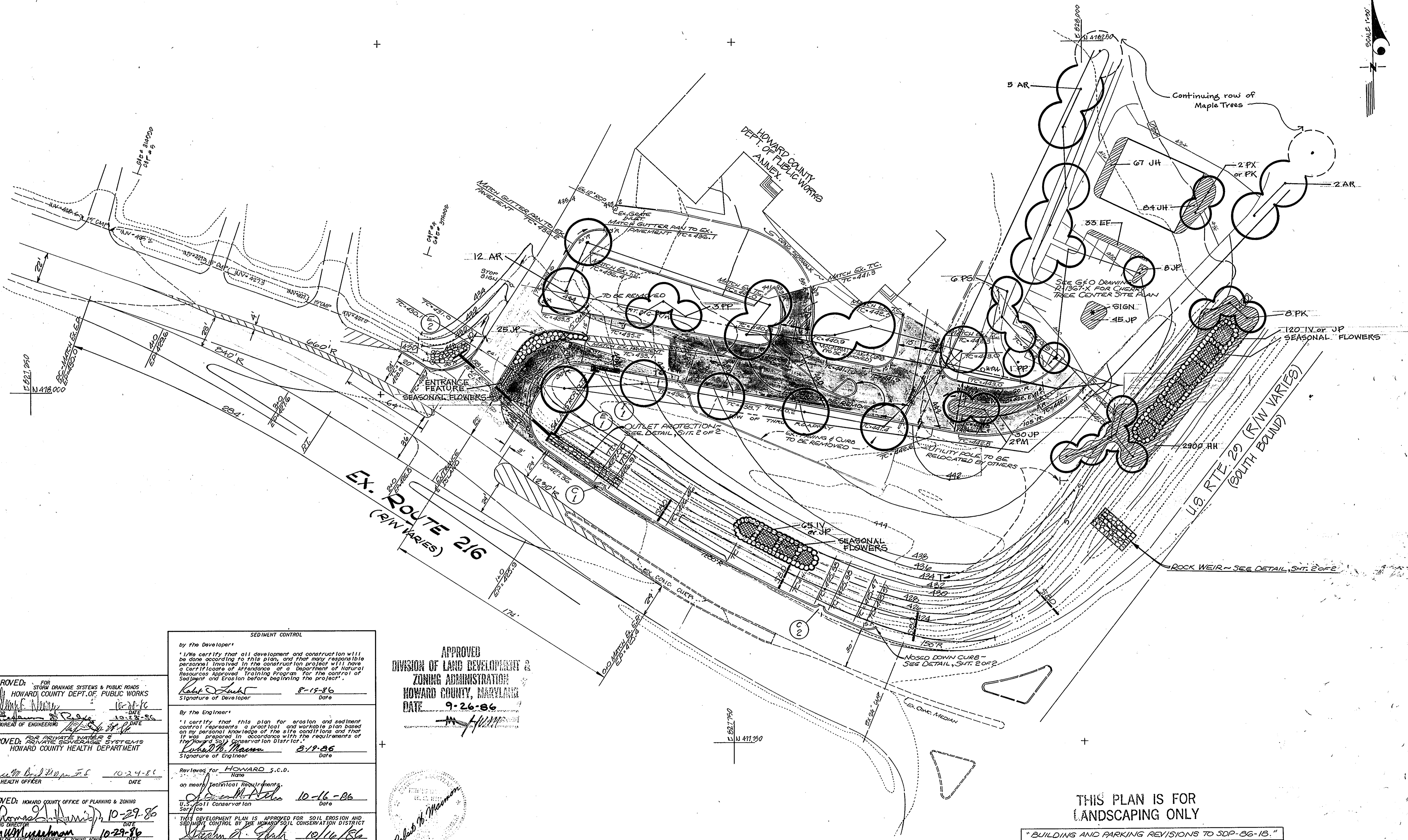
No.	REVISION	DATE	BY

GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
 (301) 948-0900

ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
 GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILSTON PARK, NY

STORM DRAIN PROFILES & DETAILS
CHERRY TREE CENTER
 PARCELS NO. 290
 FIFTH ELECTION DISTRICT TAX MAP 46
 HOWARD COUNTY, MARYLAND

JWC DESIGN SCALE 1" = 30'
 GAW DRAWN 7 OF 9
 RHM CHECKED SHEET
 JULY 86 DATE R-1367-X FILE No.
 SDP-86-274



SEDIMENT CONTROL

by the Developer:
 I/We certify that all development and construction will be done according to this plan, and that many 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.
 Robert Zwick 8-15-86
 Signature of Developer 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.
 Robert G. Measom 8-12-86
 Signature of Engineer Date

Reviewed for HOWARD S.C.D.
 Name: Robert G. Measom
 on month Technical Requirements: 10-16-86
 U.S. Soil Conservation Service Date

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 William A. Glash 10/16/86
 Howard S.C.D. Date

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 9-26-86
 [Signature]



APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 [Signature] 10-28-86
 DIRECTOR DATE
 [Signature] 10-29-86
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PRIVATE WATER & SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 10-24-86
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 [Signature] 10-29-86
 PLANNING DIRECTOR DATE
 [Signature] 10-29-86
 CHIEF, DIV. OF LAND DEVELOPMENT & ZONING ADMIN. DATE

OWNER/DEVELOPER:
 G&G ASSOCIATES, INC.
 c/o GREENBERG REALTY COMPANY
 8401 CONNECTICUT AVE. SUITE 1010
 CHEVY CHASE, MD. 20815

No.	REVISION	DATE	BY
1	L.S. Plan revised due to realignment of road.	8/18/86	EH



ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOCGRAMMETRISTS

GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
 (301) 948-0900

ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
 GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY

LANDSCAPE PLAN

CHERRY TREE CENTER
 TAX MAP 4G PARCEL NO. 290
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

EH DESIGN	SCALE 1"=30'
EH DRAWN	8 OF 9
JEC CHECKED	SHEET
JULY 86 DATE	JOB No. R-1367-X FILE No.

THIS PLAN IS FOR LANDSCAPING ONLY
 "BUILDINGS AND PARKING REVISIONS TO SDP-86-1B."

SPECIFICATIONS FOR PLANTING

Plant Identification: All plants shall be properly marked for identification.

List of Plant Material

The Contractor will verify the plant quantities prior to bidding and any discrepancies shall be brought to the attention of the Landscape Architect. The Contractor shall furnish and plant all plants required to complete the work shown on the Drawings. Substitution shall not be made without the written approval of the Landscape Architect. This Contract will be based on the bidder having verified prior to bidding, the availability of the required plant material as specified on the Plant Materials List.

Plant Quality

All shrubs shall be dense, heavy to the ground, and well grown, showing evidence of having been sheared regularly, and shall be sound, free of plant disease or insect eggs and shall have a healthy normal root system. Plants shall be freshly dug and not heeled-in stock from cold storage. All plants shall be nursery grown (except as noted below). Plants shall not be pruned prior to delivery. The shape of the plant shall in general conform to its natural growth proportions unless otherwise specified. Trees shall conform to the branching, caliber, and height specifications of the American Association of Nurserymen, and shall have a well-shaped, heavy branch structure for the species. Evergreen trees are to have an internode no greater than 18" and shall be uniformly well shaped. All plant sized shall average at least the middle of the range given in the plant list.

Plant Spacing

Plant spacing is to scale on plan. No plants except espaliered material shall be closer than 30" to buildings.

Soil Mix

Solid mix will be 2/3 existing soil, 1/3 leafmold or equal organic material, thoroughly mixed and homogenized.

Excavation

Holes for all plants shall be 18" larger in diameter than size of ball or container and shall have vertical sides. Hedges shall be planted in a trench 12" wider, but for mass plantings shall be entirely rototilled to a depth of 8" and shall be 18" beyond the average outside edge of plant balls.

Planting

Backfilling shall be done with soil mix, reasonably free of stones, subsoil, clay lumps, stumps, roots, weeds, bermuda grass, litter, toxic substances, or any other material which may be harmful to plant growth, or hinder grading, planting, or maintenance operations. Should any unforeseen or unsuitable planting conditions arise, such as faulty soil drainage or chemical residues, they should be called to the attention of the Landscape Architect and Owner for adjustment before planting. The plant shall be set plumb and straight, and shall be staked at the time of planting. Backfill shall be well worked about the roots and settled by watering. Plants will be planted higher than surrounding grade. Shrubs will be 1" higher and trees will be 3" higher.

Transplanting Trees By Tree Machines

Trees shall be moved by machines that provide a minimum ball diameter of 9" per 1" of tree caliber. Holes are to be dug by the same size machine as the one transporting the plant. The plant material shall be transplanted in approximately the same growing conditions as it is presently growing, in items of soil type and moisture content. Fertilize and guy as described in these plans and specifications.

Cultivation

All trenches and shrub beds shall be cultivated, edged and mulched to a depth of 3" with fine shredded hardwood bark. The area around isolated plants shall be mulched to at least a 6" greater diameter than that of the hole. Plant beds adjacent to buildings shall be mulched to the building wall.

Maintenance

The Contractor shall be responsible during the contract and up to the time of acceptance, for keeping the planting and work incidental thereto in good condition, by replanting, plant replacement, watering, weeding, cultivating, pruning, and spraying, restaking and cleaning up and by performing all other necessary operations of care for promotion of good plant growth so that all work is in satisfactory condition at time of acceptance, at no additional cost to the Owner.

Fertilizer

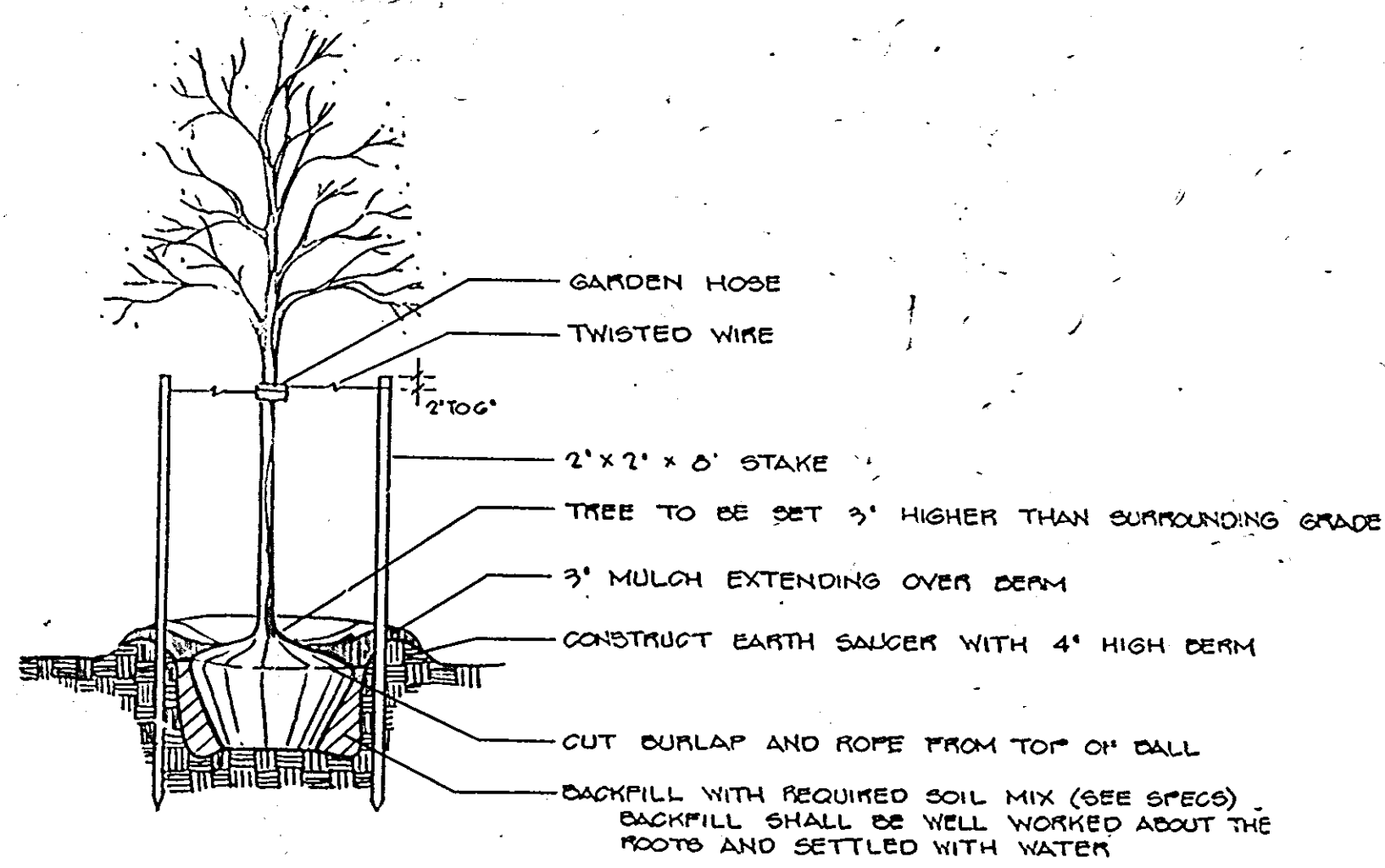
Fertilizer shall be a slow-release type contained in polyethylene perforated bags with micropore holes for controlled feeding such as Easy Grow as manufactured by Speciality Fertilizer, Inc., Box 355, Suffern, New York 10901 or approved equal. The bags shall contain 1 ounce of soluble fertilizer analysis 16-18-16 per units to last for three years and shall be applied during planting as recommended by the manufacturer. If fertilizer packets are not used the Contractor shall apply granular fertilizer to the soil mix with 10-6-4 analysis at the following rates: Tree Pits, 2-3 lbs. per caliper inch; Shrub Beds, 3-5 lbs. per 100 square foot; Ground cover, 2-3 lbs. per 100 square foot.

Ground Cover

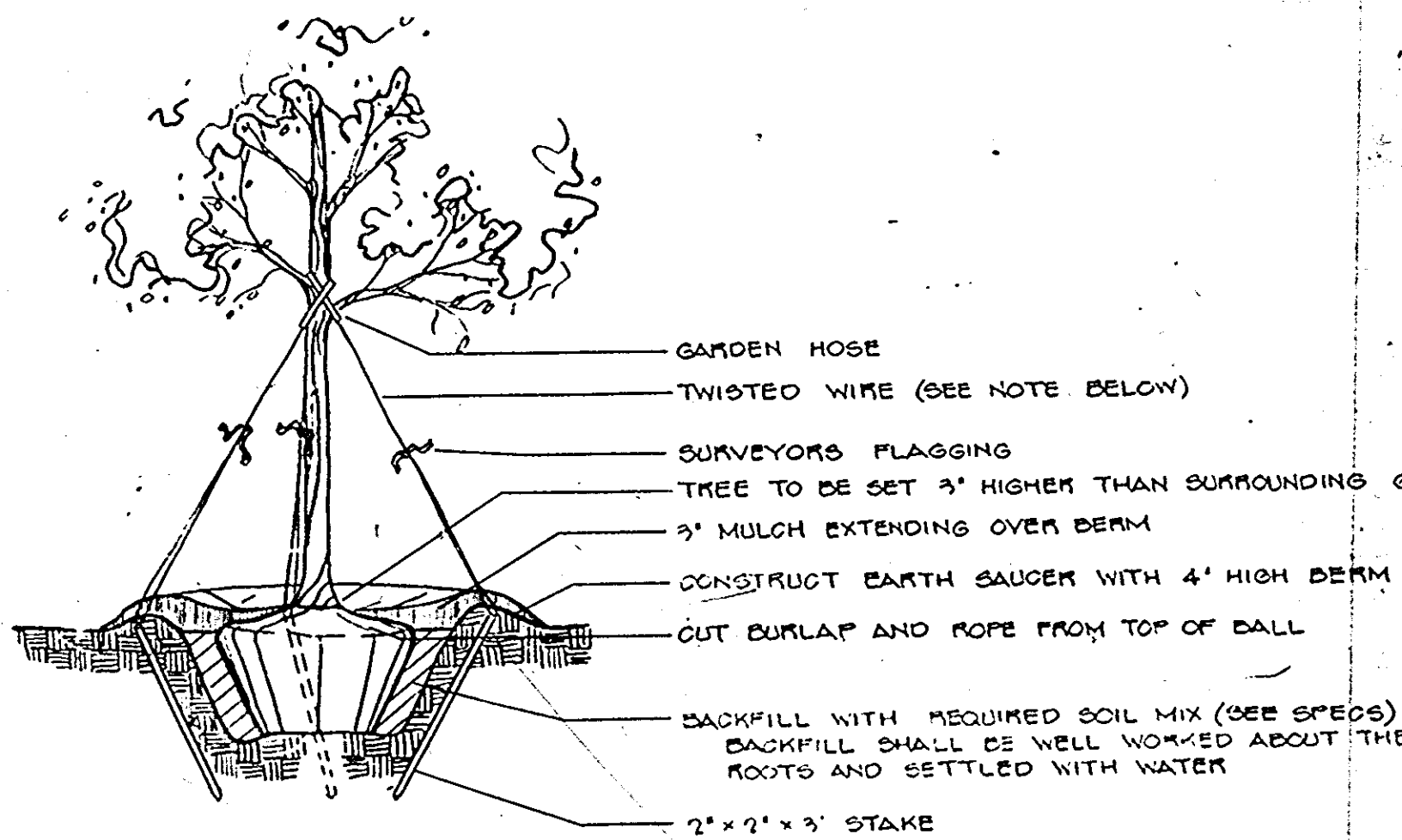
All areas of ground cover shall be rototilled to a depth of 6". Apply 2" of organic material and rototill until thoroughly mixed. Apply fertilizer as stated above.

Guarantee and Replacement

All materials shall be unconditionally guaranteed for one year. The Contractor is not responsible for losses or damages caused by mechanical injury or vandalism.

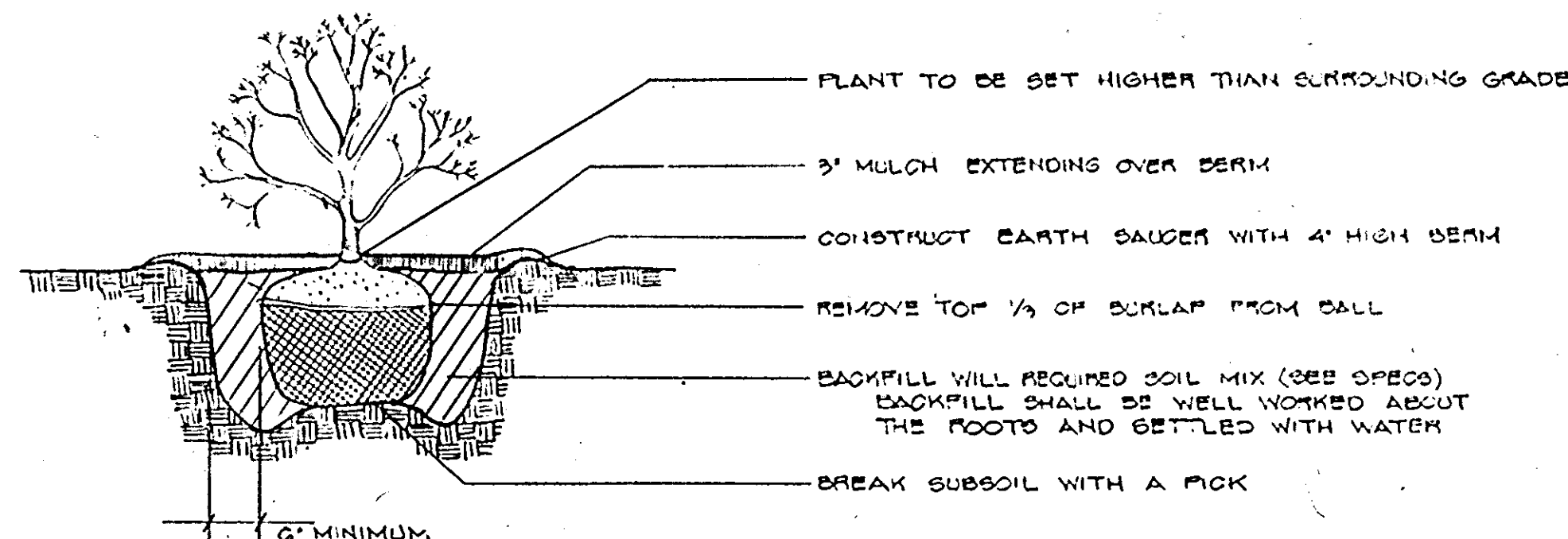


PLANTING AND STAKING DETAIL
DECIDUOUS TREES UP TO 10'
NO SCALE



PLANTING AND GUYING DETAIL
EVERGREEN TREES AND DECIDUOUS TREES - 10' AND LARGER
NO SCALE

NOTE: TWISTED WIRE FOR: DECIDUOUS TREES 1 1/2" 4" CAL.
EVERGREEN TREES UP TO 8" - 10"
TURNBUCKLES FOR: DECIDUOUS TREES 4 1/2" AND ABOVE
EVERGREEN TREES 10' AND TALLER.



SHRUB PLANTING DETAIL
NO SCALE

PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
TREES					
AR	19	Acer rubrum	Red Maple	2 1/2 - 3" Cal.	B & B
PX	8	Prunus serrulata 'Kwanzan'	Kwanzan Japanese Cherry	6 - 8' Ht.	B & B
PM	2	Prunus serrulata 'Mt. Fuji'	Ht. Fuji Cherry	6 - 8' Ht.	B & B
PP	4	Prunus subhirtella 'Pendula'	Weeping Cherry	6 - 8' Ht.	B & B
FS	6	Prunus Sargentii	Sargent Cherry	1 3/4 - 2" Cal.	B & B
PX	2	Prunus serrula or Prunus virginiana	UNKNOWN	6 - 8' Ht.	B & B
SHRUBS AND GROUND COVER					
EP	33	Euonymus fortunei 'Colorata'	Purpleleaf Wintercreeper	1 Gal.	2' O.C.
HH	2900	Hedera helix 'Baltica'	Hardy English Ivy	1 Year PP	12" O.C.
IV	185	Ilex vomitoria 'Stokes'	Stokes Holly	8 - 10' Ht.	Cont.
JH	151	Juniperus horizontalis 'Plumosa'	Andorra Juniper	15 - 18' Ht.	Cont.
JP	108	Juniperus procumbens 'Nana'	Dwarf Japanese Garden Juniper	2 Gal.	Cont.

PERMANENT SEEDING NOTES

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

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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

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

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

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

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

TEMPORARY SEEDING NOTES

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

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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

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

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

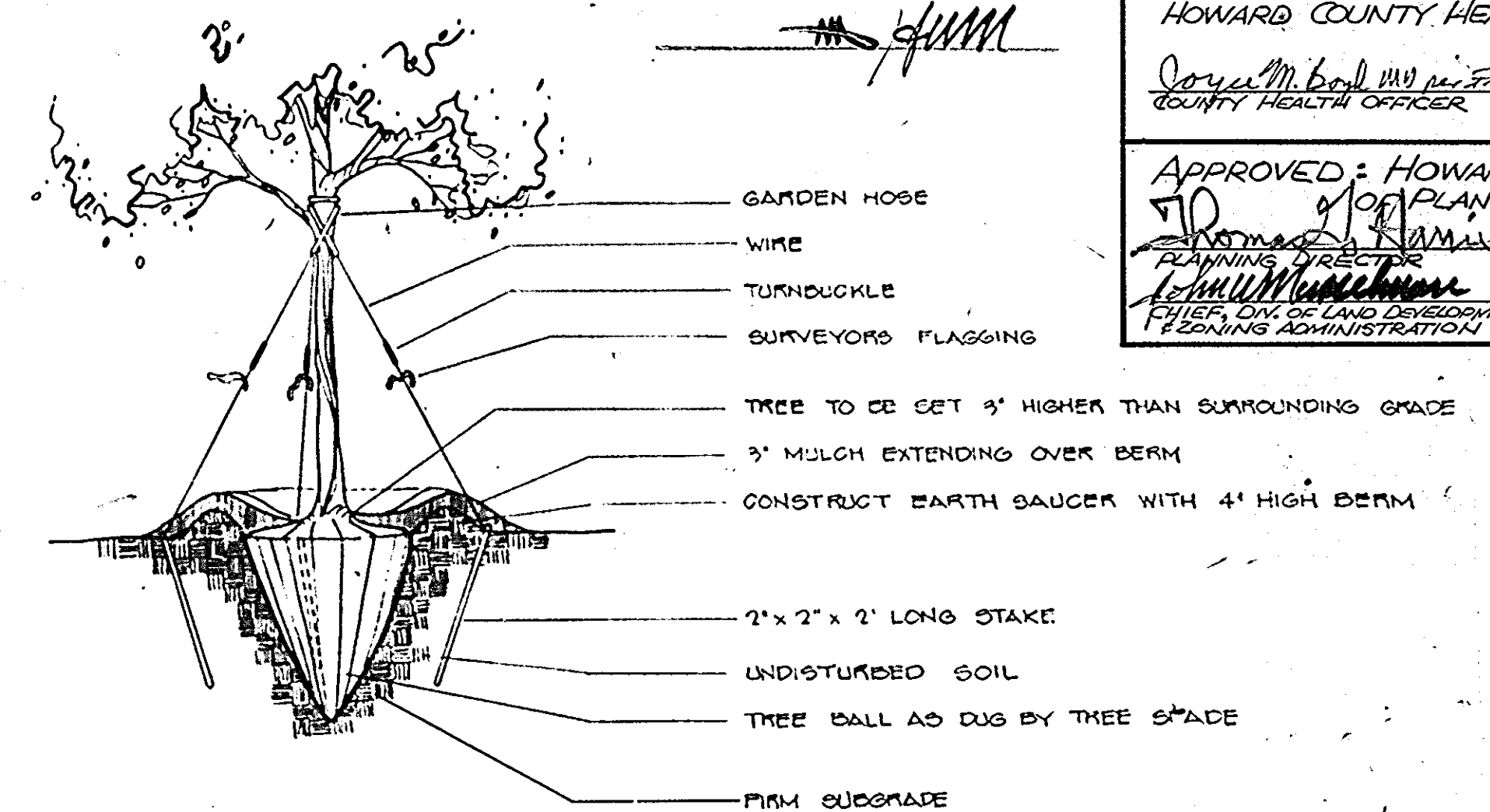
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 9-26-86

APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD COUNTY DEPT. OF PUBLIC WORKS
DATE 10-16-86

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE 10-24-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 10-29-86



PLANTING AND GUYING DETAIL
MACHINE PLANTING
NO SCALE

LANDSCAPE PLAN DETAILS

ENTRANCE PLAN

CHERRY TREE CENTER

TAX MAP 46 PARCEL NO. 290

FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

BUILDING AND PARKING REVISIONS TO SDP-86-18

EH DESIGN	SCALE	NO SCALE
EH DRAWN		9 OF 9
JFC CHECKED	SHEET	
JUN 86 DATE	JOB No.	R-1367-X FILE No.

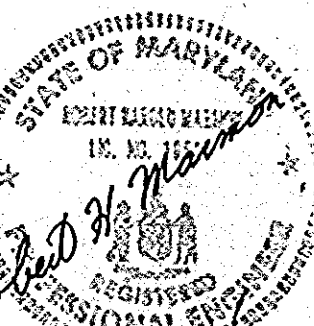
OWNER/DEVELOPER:
GAG ASSOCIATES, INC.
c/o GREENBERG REALTY COMPANY
8401 CONNECTICUT AVE. SUITE 1010
CHEVY CHASE, MD. 20815

No.	REVISION	DATE	BY



ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
(301) 948-0900

ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
GREENBELT, MD • GREENSBORO, NC • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY



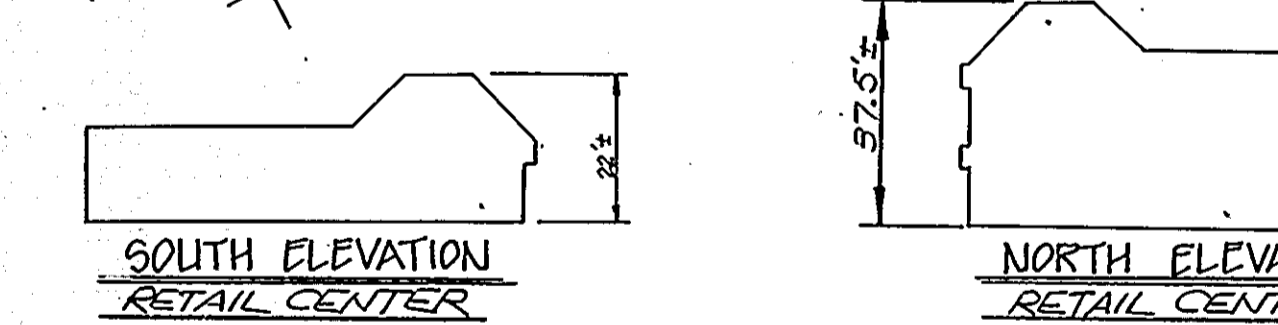
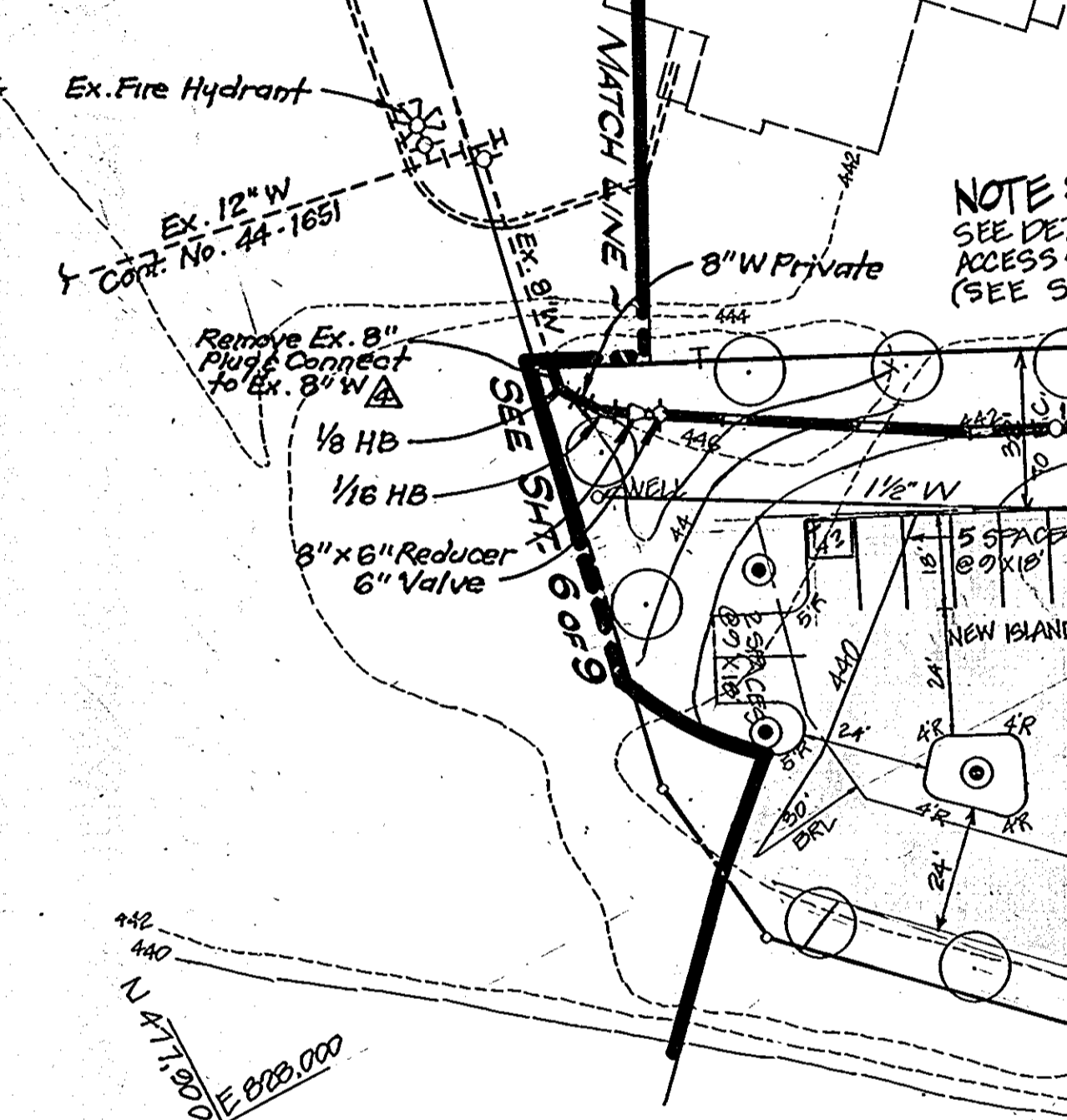
LANDSCAPED ISLANDS:
 AREA OF PARKING LOT: 89,788 S.F. (5% ISLAND REQ'D.)
 AREA OF LANDSCAPED ISLAND PROVIDED: 6,916 S.F. OR 6.7%

PARKING TABULATIONS:
 1. BANK 2,700 S.F. = 1 SPACE / 200 S.F. = 14 SPACES. (1 H.C. + 13-REG.)

2. RETAIL CENTER
 - UPPER LEVEL: 28,400 S.F. @ 1 SPACE / 200 S.F.
 PARKING SPACES REQ'D.: 142
 - LOWER LEVEL: 10,400 S.F. @ 1 SPACE / 200 S.F.
 PARKING SPACES REQ'D.: 52

3. PARKING TOTALS
 TOTAL NO. OF PARKING SPACES REQ'D.: 209
 TOTAL NO. OF PARKING SPACES PROVIDED: 211 (INCLUDES HANDICAP)

NOTES: 1. 8" & 6" Water Mains Shall Be Class 54 D.I.P.
 2. See This Sheet For Water Riser Diagram @ Sprinkler Room.
 3. See Sheet 4 of 9 For Side Wall & Back Wall Details @ Sprinkler Room.
 4. See Sheet 5 of 9 For 8" & 6" Water Main Profile, Water Main Tabulation Chart & Quantities & Plan @ Sprinkler Room.
 5. Upon Acceptance of The 8" & 6" D.I.P. Water Mains & Upon Acceptance of All Utility Work Within The Sprinkler Room As Shown on The Above Referenced Details The Ex. Water House Connection From The Ex. Well Shall Be Capped & Abandoned.



APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 Signature: [Signature] DATE: 10-24-86
 CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 Signature: [Signature] DATE: 10-24-86
 COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Signature: [Signature] DATE: 10-29-86
 CHIEF, OFFICE OF LAND DEVELOPMENT & ZONING ADMIN.

SEDIMENT CONTROL
 By the Developer:
 I certify that all development and construction will be done according to this plan, and that many 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.
 Signature: [Signature] DATE: 6-11-86

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.
 Signature: [Signature] DATE: 6-16-86

Reviewed for HOWARD S.C.D.
 on behalf of Technical Requirements.
 Signature: [Signature] DATE: 10-16-86
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Signature: [Signature] DATE: 10/16/86
 HOWARD S.C.D.

LANDSCAPING SCHEDULE

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
⊙	18	FRUNLUS GPP	FLOWERING CHERRY	6'-8" HGT.
○	42	ACER RUBRUM	RED MAPLE	2-2 1/2" CAL
⊛	24	PINUS STROBUS	EASTERN WHITE PINE	2 1/2" CAL
⊙	98		ANDRA JUNIPERS	15'-18" OF READ - 3' O.C.

G & G ASSOCIATES
 c/o GREENBERG REALTY COMPANY
 8401 CONNECTICUT AVE.
 SUITE 1000
 CHEVY CHASE, MARYLAND 20815

REVISION

No.	REVISION	DATE	BY
4	Add 6" Private Water, Sprinkler Rm. by Fisher, Collins & Carter, Inc.	7-15-88	BL
3	REV. RESTAURANT TO BANK	10/26/88	KRM
2	REV. BANK TO RESTAURANT	5-28-87	GE0
1	REV. RETAINING WALL LOCATION	12-86	



ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS

GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
 (301) 948-0900

ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
 GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY

SITE DEVELOPMENT PLAN

CHERRY TREE CENTER
 PARCEL NO. 290
 FIFTH ELECTION DISTRICT TAX MAP 46
 HOWARD COUNTY, MARYLAND

KKK/JNC DESIGN
 SCALE 1" = 30"

GAW DRAWN
 RHM CHECKED
 SHEET 1 OF 9

JUNE '86 DATE
 JOB No. R1367X
 FILE No. SDP-86-274

GENERAL NOTES:

- TAX MAP 46, PARCEL 290
- DEED REFERENCE: 643/608
- EX. ZONING: B-1
- SITE USE: RETAIL CENTER (38,800 SQ. FT.) BANK (2,280 SQ. FT.)
- TOTAL AREA OF SITE: 3.86 AC.
- OPEN SPACE PROVIDED: 0.84 AC OR 21.7%
- PRIVATE WATER AND PRIVATE SEWER ARE TO BE UTILIZED.
- U.S. RTE. 29 AND MD. RTE. 216 ARE EXISTING, PUBLIC ROADS.
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. IV.
- CONTRACTOR TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK.
- CONTRACTOR TO NOTIFY MISS UTILITY AT 1-800-393-3648 AT LEAST FIVE DAYS PRIOR TO BEGINNING CONSTRUCTION.
- TOPO SHOWN HEREON WAS FIELD RUN BY BOENDER ASSOC., INC.
- BUILDING COVERAGE BANK = 2,280 SQ. FT. RETAIL CENTER = 28,400 SQ. FT. TOTAL = 30,680 SQ. FT. OR 18.2%
- EXTERIOR LIGHTING SHALL BE DIRECTED/REFLECTED AWAY FROM ADJACENT PUBLIC ROADWAYS AND RESIDENTIALLY ZONED PROPERTIES.

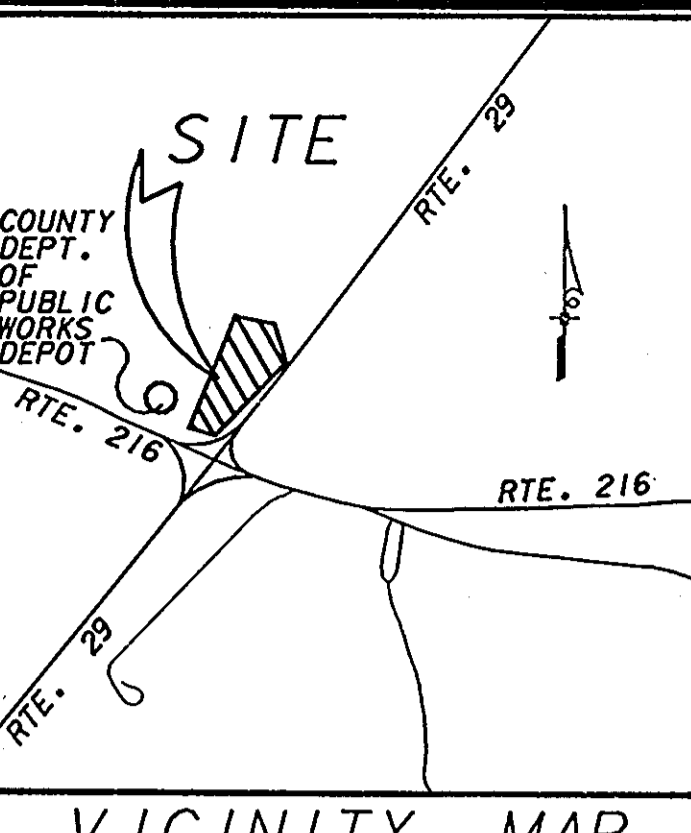
PIPE SCHEDULE

SIZE	TYPE	LENGTH (FT.)
15"	CL IV RCP	136
15"	CL V RCP	56
18"	CL IV RCP	80
15"	14 GA. CMP	253
8"	16 GA. CMP	453

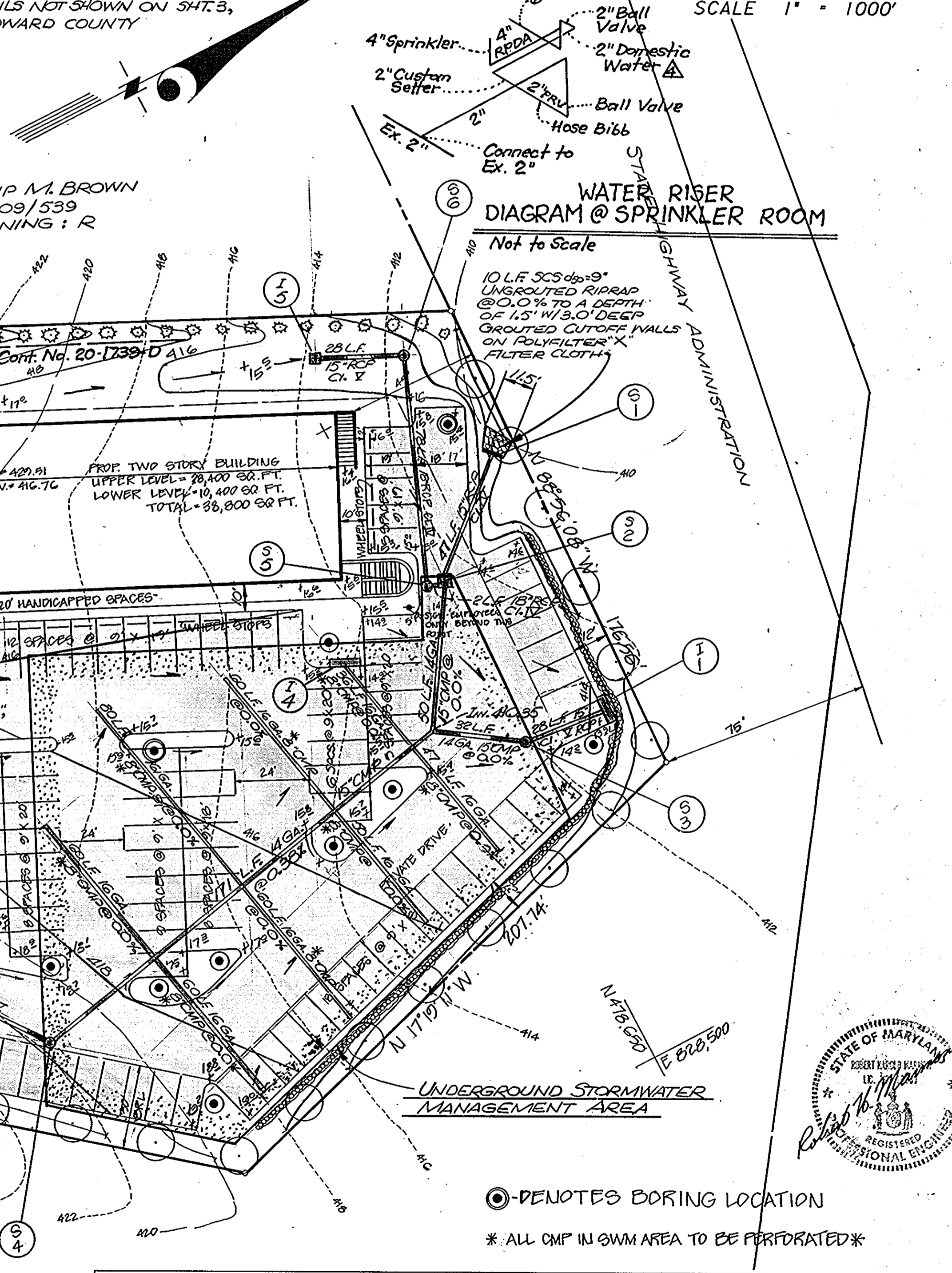
STRUCTURE SCHEDULE

NO.	TYPE	INVERT		TOP ELEVATION		STANDARD NUMBER	
		IN	OUT	UPPER	LOWER		
S-1	15" TYPE 'C' CONC. HEADWALL	—	409.8	411.8	411.8	HOWARD CO. STD. SD-5.21	
S-2	5" SHALLOW BRICK MH	18'-410.15	410.10	414.75	414.75	" " G-5.05	
S-3	4" SHALLOW BRICK MH	15'-410.35	410.60	414.33	414.33	" " G-5.05	
S-4	4" STD. BRICK MH	—	411.50	411.00	419.76	" " G-5.01	
S-5	4" SHALLOW BRICK MH	—	410.50	410.22	414.82	" " G-5.05	
S-6	4" SHALLOW BRICK MH	—	411.23	410.93	414.67	" " G-5.05	
I-1	A-10 INLET	—	410.75	414.60	414.50	" " SD-4.02	
I-2	A-10 INLET W/ DEFLECTORS	—	418.16	417.91	423.63	423.06	" " SD-4.02
I-3	A-10 INLET	—	419.16	423.30	424.00	" " SD-4.02	
I-4	A-10 INLET	—	410.35	415.75	415.50	" " SD-4.02	
I-5	"K" INLET W/ GRATE	—	412.50	415.00	415.00	" " SD-4.12 & 4.13	

*SEE MODIFICATION DETAILS ON SHT. 3 OF 4 FOR ANY DETAILS NOT SHOWN ON SHT. 3, REFER TO HOWARD COUNTY STD. G-5.05



VICINITY MAP
 SCALE 1" = 1000'



ADDRESS CHART

LOT NUMBER	STREET ADDRESS
BLDG A	11200 MD. RTE. 216
BLDG B	11220 MD. RTE. 216

CHERRY TREE CENTER

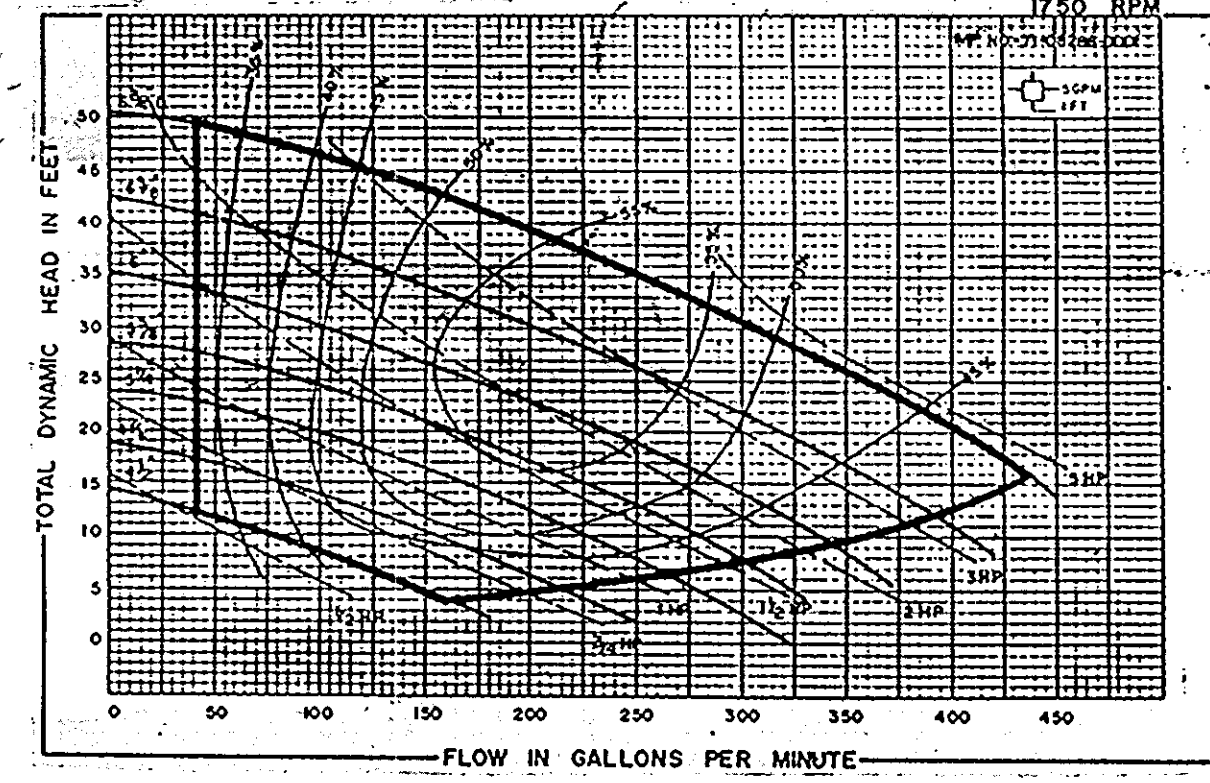
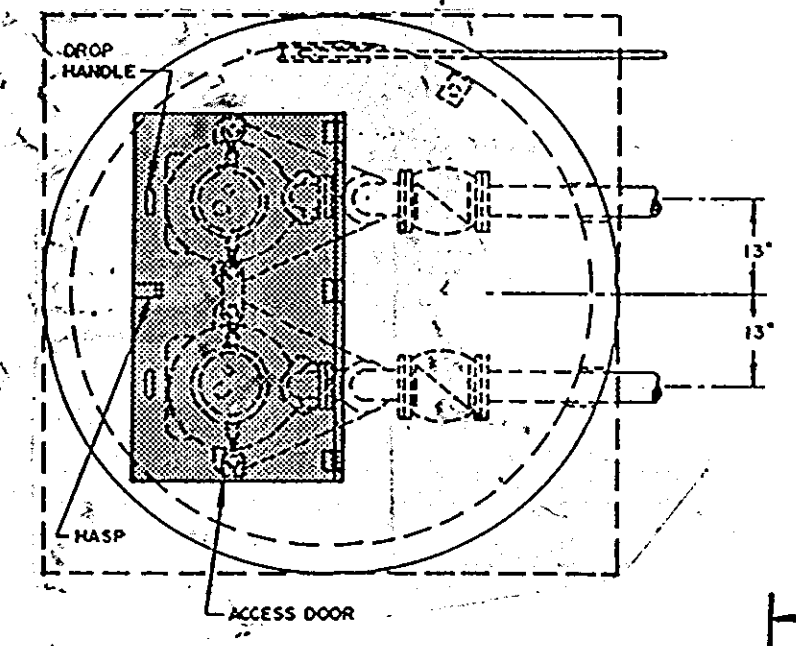
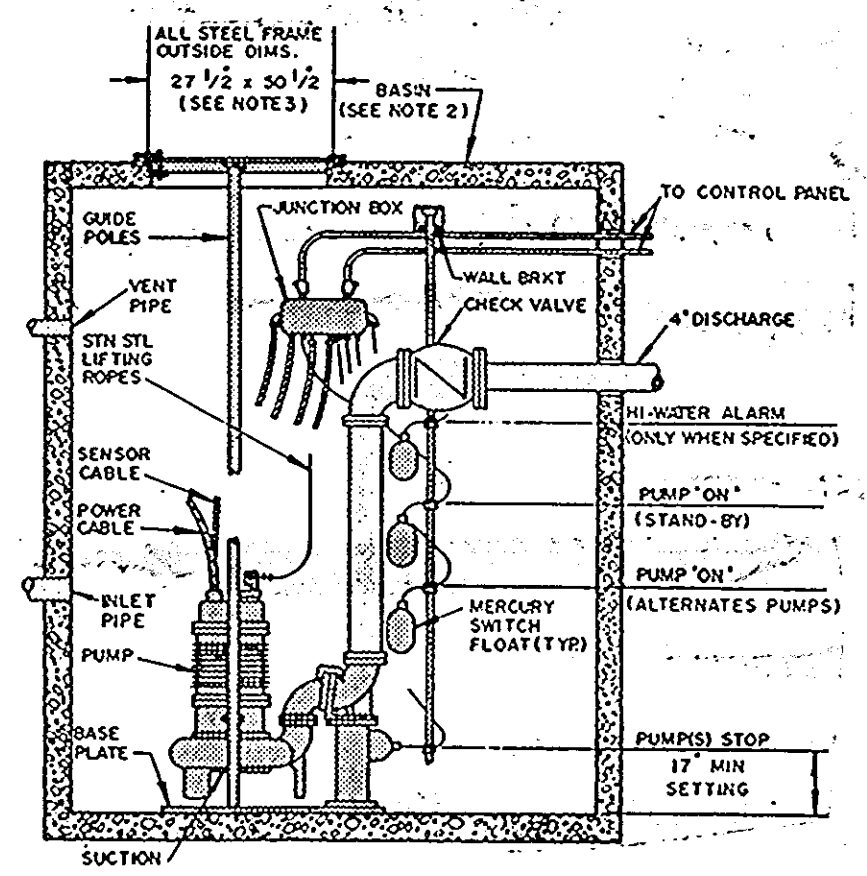
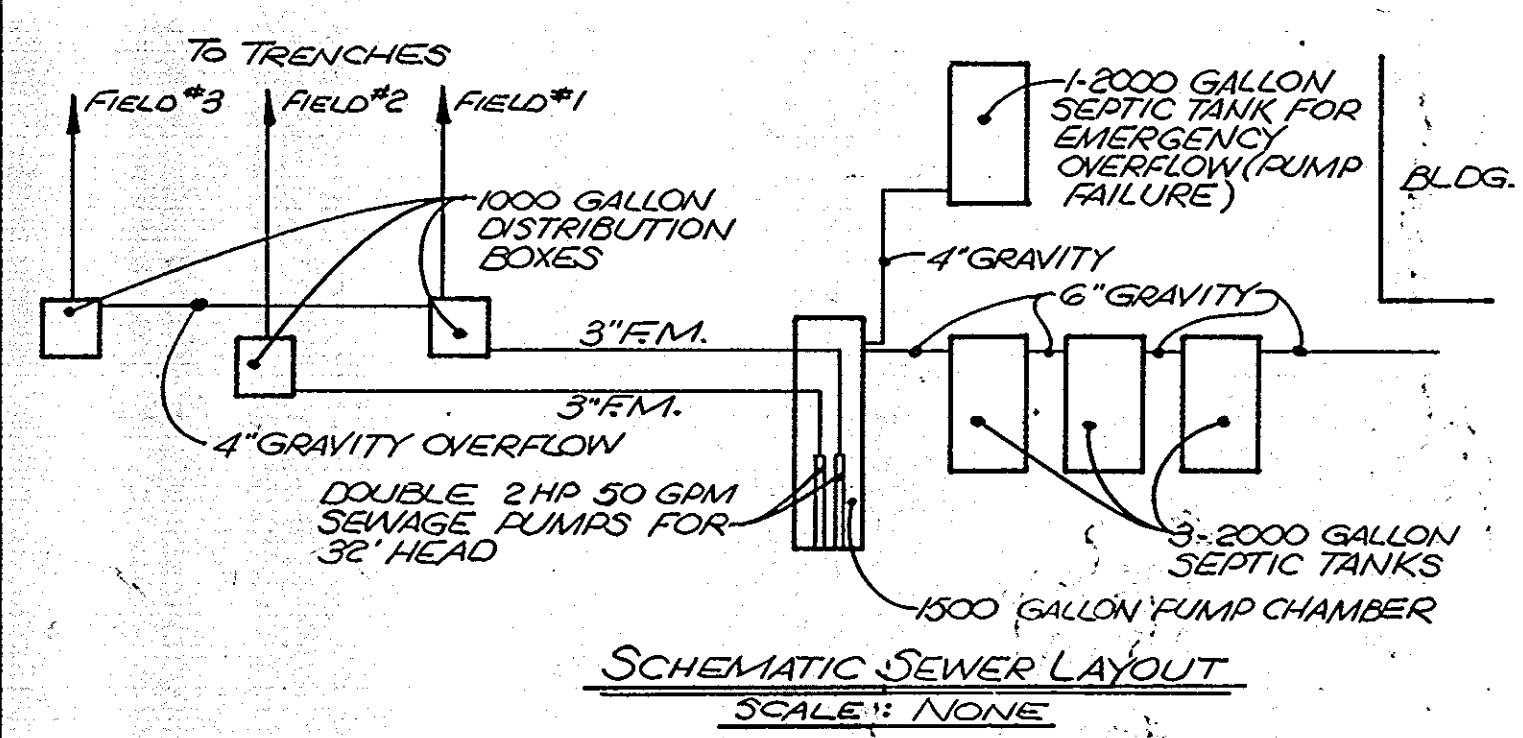
LOT NUMBER	STREET ADDRESS	SECT./AREA	LOT/PARCEL
643/608	4 B-1	3.36 Ac.	290

PLAT NO. OR L/F/BLOCK NO. ZONE TAX/ZONE MAP/ELEC. DIST. CENSUS TR. 643/608 4 B-1 46 5 6051

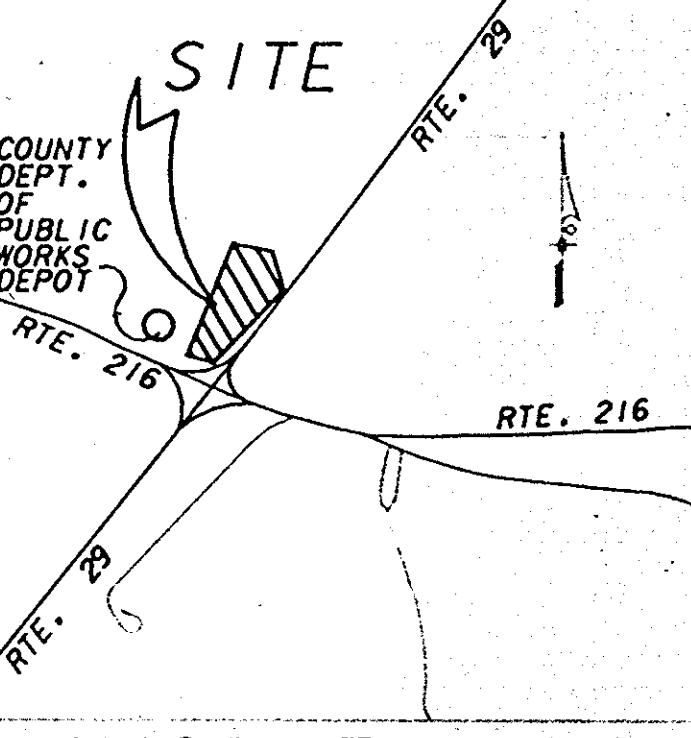
WATER CODE PRIVATE WELL SEWER CODE PRIVATE SEPTIC



NOTE: TRENCHES TO BE CONNECTED TO DISTRIBUTION BOXES INDEPENDENTLY OF EACH OTHER.

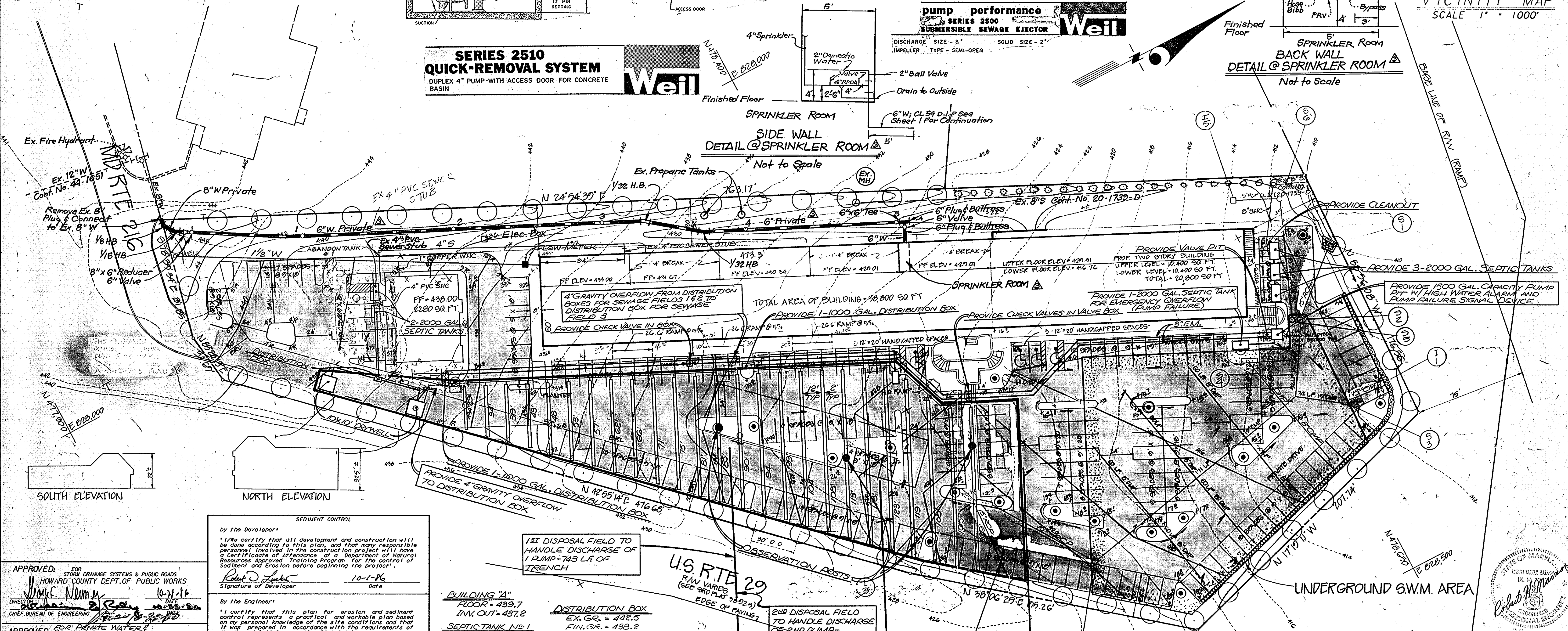
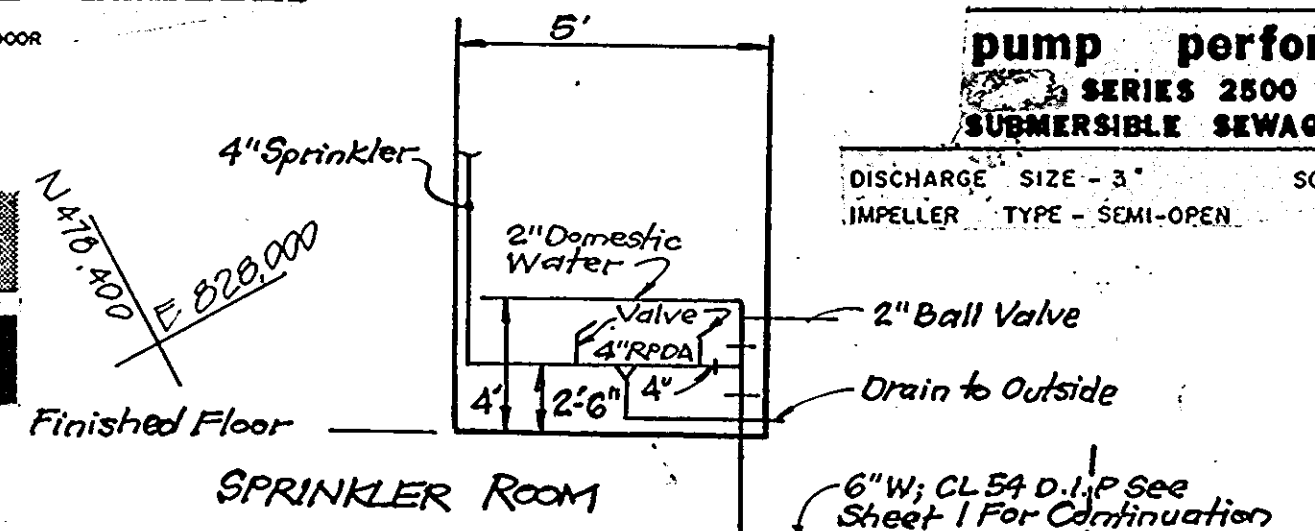
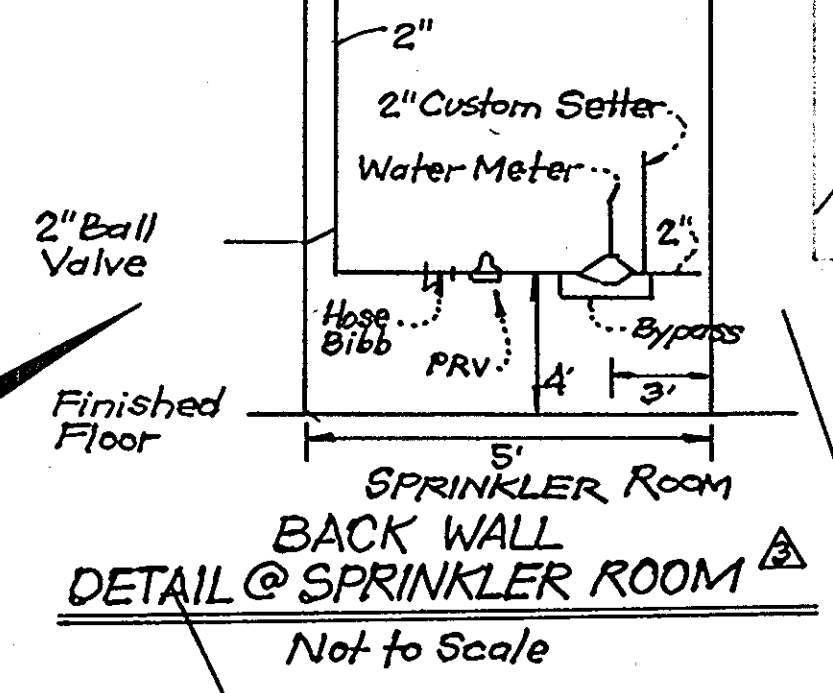


NOTES:
 1. WATER USE MAY NOT EXCEED 4,850 G.P.D. DUE TO ON-SITE SEWAGE DISPOSAL LIMITATIONS. WATER METERS WILL BE INSTALLED ON INCOMING LINES AT EACH BUILDING.
 2. GREASE TRAPS TO BE PROVIDED FOR ALL FOOD SERVICE UNITS' KITCHEN WASTE LINES. TRAPS TO BE PROVIDED IN REAR OF BUILDINGS



SERIES 2510 QUICK-REMOVAL SYSTEM
 DUPLEX 4" PUMP WITH ACCESS DOOR FOR CONCRETE BASIN

Well
 pump performance SERIES 2500 SUBMERSIBLE SEWAGE EJECTOR
 DISCHARGE SIZE - 3" SOLID SIZE - 2"
 IMPELLER TYPE - SEMI-OPEN



SOUTH ELEVATION

NORTH ELEVATION

SEDIMENT CONTROL
 by the Developer:
 I/we certify that all development and construction will be done according to this plan, and that many responsible personnel involved in the construction project will have a Certificate of Attendance of a Department of Natural Resources Approved Training Program for the control of sediment and erosion before beginning the project.
 Robert D. Lutz, Signature of Developer, 10-1-86, 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.
 Robert B. Warner, Signature of Engineer, 10-1-86, Date

Reviewed by HOWARD S.C.D. on behalf of Technical Requirements
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Stephen A. Plumb, Signature, 10/16/86, Date

APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 JIMMY NOLAN, Signature, 10-21-86, Date
 CHIEF, BUREAU OF ENGINEERING

APPROVED: PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 James M. Boyd, M.D., F.S., Signature, 10-24-86, Date
 COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 James L. Harris, Signature, 10-29-86, Date
 PLANNING DIRECTOR

BUILDING "A"
 FLOOR = 439.7
 INV. OUT = 437.2

SEPTIC TANK N#1
 EX. GR. = 444.2
 FIN. GR. = 433.5
 INV. IN = 436.87
 INV. OUT = 436.62

SEPTIC TANK N#2
 EX. GR. = 444.2
 FIN. GR. = 439.0
 INV. IN = 436.56
 INV. OUT = 436.31

DISTRIBUTION BOX
 EX. GR. = 438.2
 FIN. GR. = 438.2
 INV. IN = 435.06

**24\"/>
 24\"/>
 76\"/>
 OF TRENCH**

**38\"/>
 38\"/>
 52\"/>
 OF TRENCH**

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 9-26-86

ADDRESS CHART		SUBDIVISION NAME		SECT./AREA	LOT/PARCEL
LOT NUMBER	STREET ADDRESS	CHERRY TREE CENTER			290
BLDG A	11200 MD. RTE. 216	PLAT NO. OR L/F/BLOCK NO./ZONE	TAX/ZONE MAP/ELEC. DIST./CENSUS TR.	46	5 6051
BLDG B	11220 MD. RTE. 216	643/608	4 B-1		
		WATER CODE	SEWER CODE		
		PRIVATE WELL	PRIVATE SEPTIC		

G & G ASSOCIATES
 c/o GREENBERG REALTY COMPANY
 8401 CONNECTICUT AVE.
 SUITE 1000
 CHEVY CHASE, MARYLAND 20815

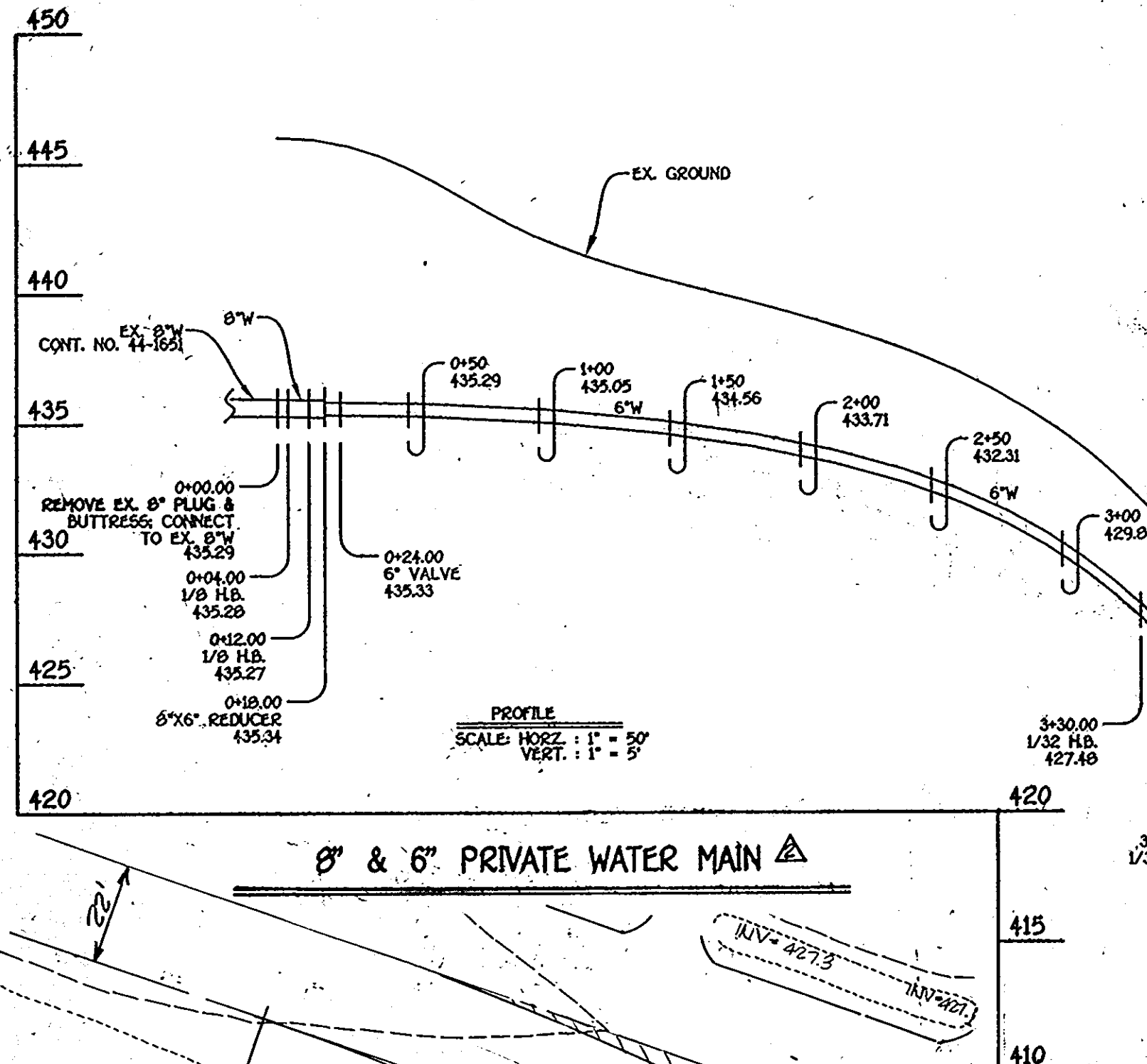
No.	REVISION	DATE	BY
1	Relocate WHC and SHC Due to Approved Relocation	1-20-89	G&O
2	Relocate SHC CONNECTION FROM BANK TO RETAIL	4-21-89	KRM
3	Add 6\"/> Details, by Fisher, Collins & Carter, Inc.	7-15-08	B.L.



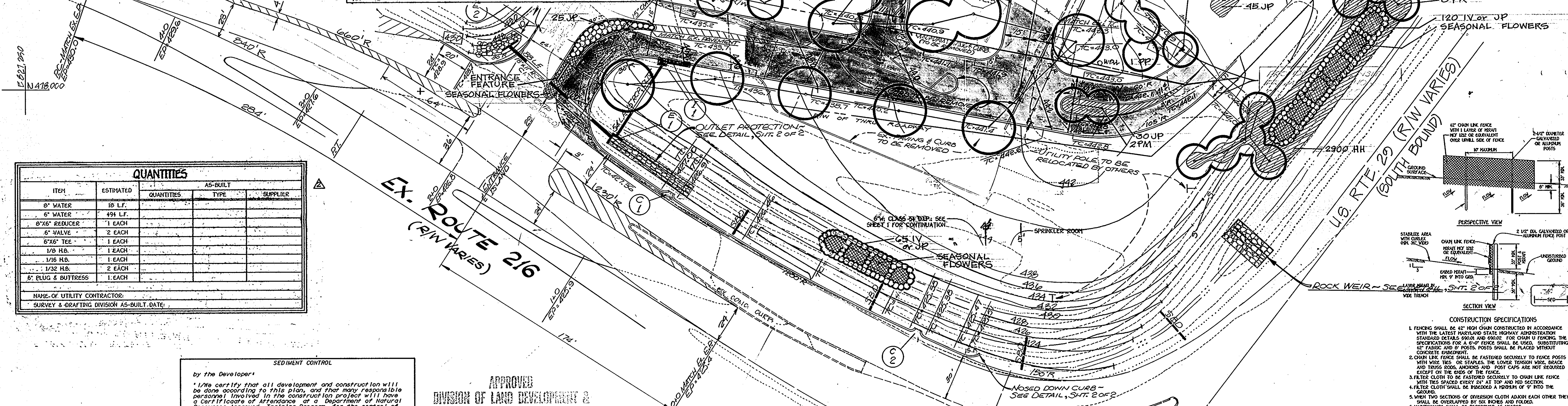
ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE, ROCKVILLE, MARYLAND 20850
 (301) 948-0900
 ANNAPOLIS, MD • ATLANTA, GA • BECKLEY, WV • CULPEPER, VA • DENVER, CO • EXPORT, PA • FAIRFAX, VA
 GREENBELT, MD • MONROE, MI • RALEIGH, NC • TAMPA, FL • WILLISTON PARK, NY

ON-SITE WATER & SEWER PLAN
 "BUILDING AND PARKING REVISIONS TO SDP-86-13"
CHERRY TREE CENTER
 PARCEL NO. 290
 FIFTH ELECTION DISTRICT TAX MAP 46
 HOWARD COUNTY, MARYLAND

KKK DESIGN SCALE 1" = 30'
 GAW/DJP DRAWN 4 OF 9
 RHM CHECKED SHEET
 JUNE 08 DATE JOB No. R1367K FILE No.
 SDP-86-274



W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" & 6" PRIVATE WATER MAIN TO RETAIL BUILDING			
0+00.00	EX. 6" PLUG & BUTTRESS	478019.34	827901.73
0+04.00	1/8" H.B.	478019.65	827905.67
0+12.00	1/16" H.B.	478023.24	827912.22
0+18.00	8"X6" REDUCER	478028.33	827915.40
0+24.00	6" VALVE	478033.42	827918.57
0+52.06	PC (CRIMP RADIUS 378")	478057.24	827933.41
1+04.62	PT (CRIMP RADIUS 378")	478103.12	827958.96
3+30.00	1/32" H.B.	478306.01	828057.10
3+68.90	1/32" H.B.	478336.70	828091.00
5+02.58	6"X6" TEE	478457.01	828139.27
5+05.58	6" VALVE	478455.70	828141.97
5+08.58	6" PLUG & BUTTRESS	478454.40	828144.67



QUANTITIES				
ITEM	ESTIMATED	QUANTITIES	TYPE	SUPPLIER
8" WATER	10 L.F.			
6" WATER	491 L.F.			
8"X6" REDUCER	1 EACH			
6" VALVE	2 EACH			
6"X6" TEE	1 EACH			
1/8" H.B.	1 EACH			
1/16" H.B.	1 EACH			
1/32" H.B.	2 EACH			
6" PLUG & BUTTRESS	1 EACH			

SEDIMENT CONTROL

APPROVED: FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
 DATE: 10-24-86

APPROVED: FOR PRIVATE WATER SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 10-29-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DATE: 10-29-86

APPROVED: FOR SOIL CONSERVATION DISTRICT
 DATE: 10-16-86

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 9-26-86

No.	REVISION	DATE	BY
1	L.S. Plan revised due to realignment of road.	8/18/86	EH
2	Add 6" Private Water & Sprinkler Profiles by Fisher, Collins & Carter, Inc.		
	Add Super Silt Fence Detail	7-15-08	B.L.



ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOCGRAMMETRISTS

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 GREENBELT, MD • MONROE, LA • RALEIGH, NC • TAMPA, FL • WILMINGTON, DE

LANDSCAPE PLAN

CHERRY TREE CENTER
 TAX MAP 4G PARCEL No. 290
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

EH DESIGN	SCALE 1"=30'
EH DRAWN	8 OF 9
JEC CHECKED	SHEET
JULY 86 DATE	JOB No. R-1367-X FILE No.

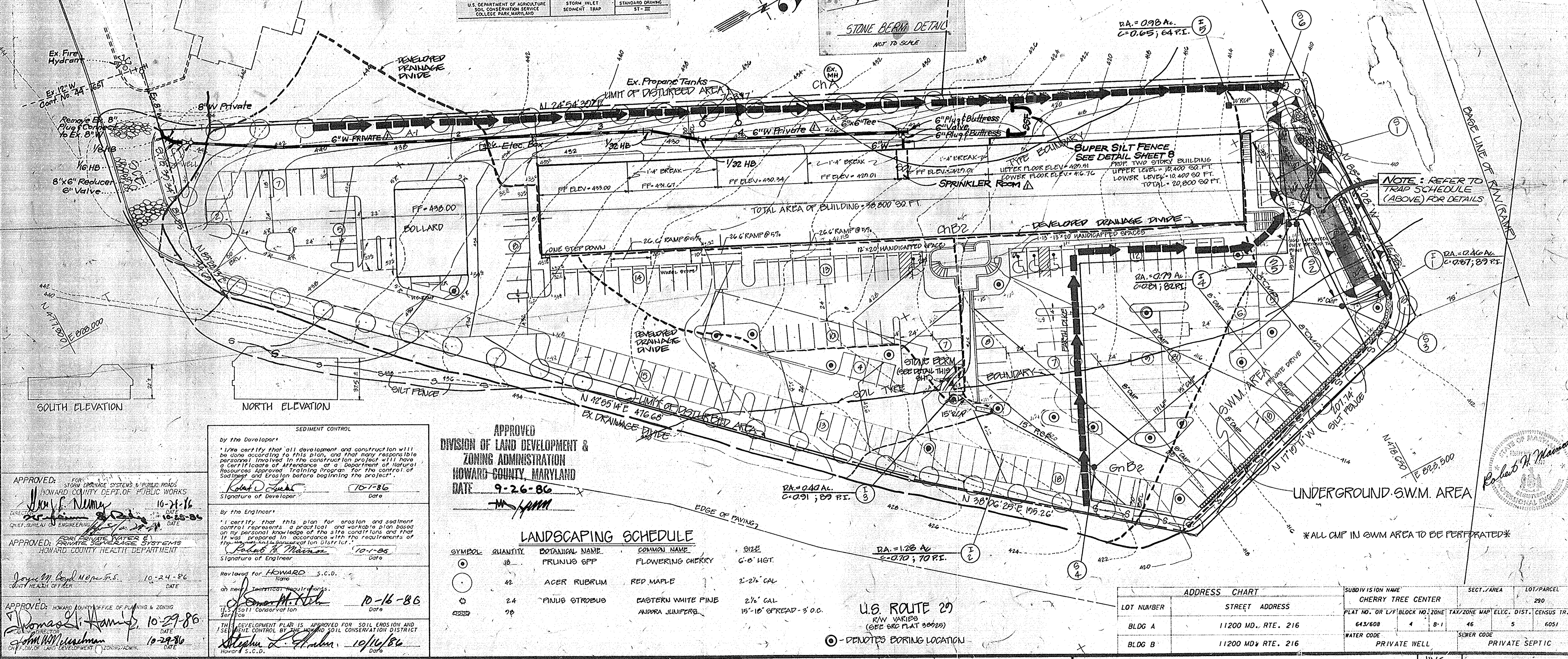
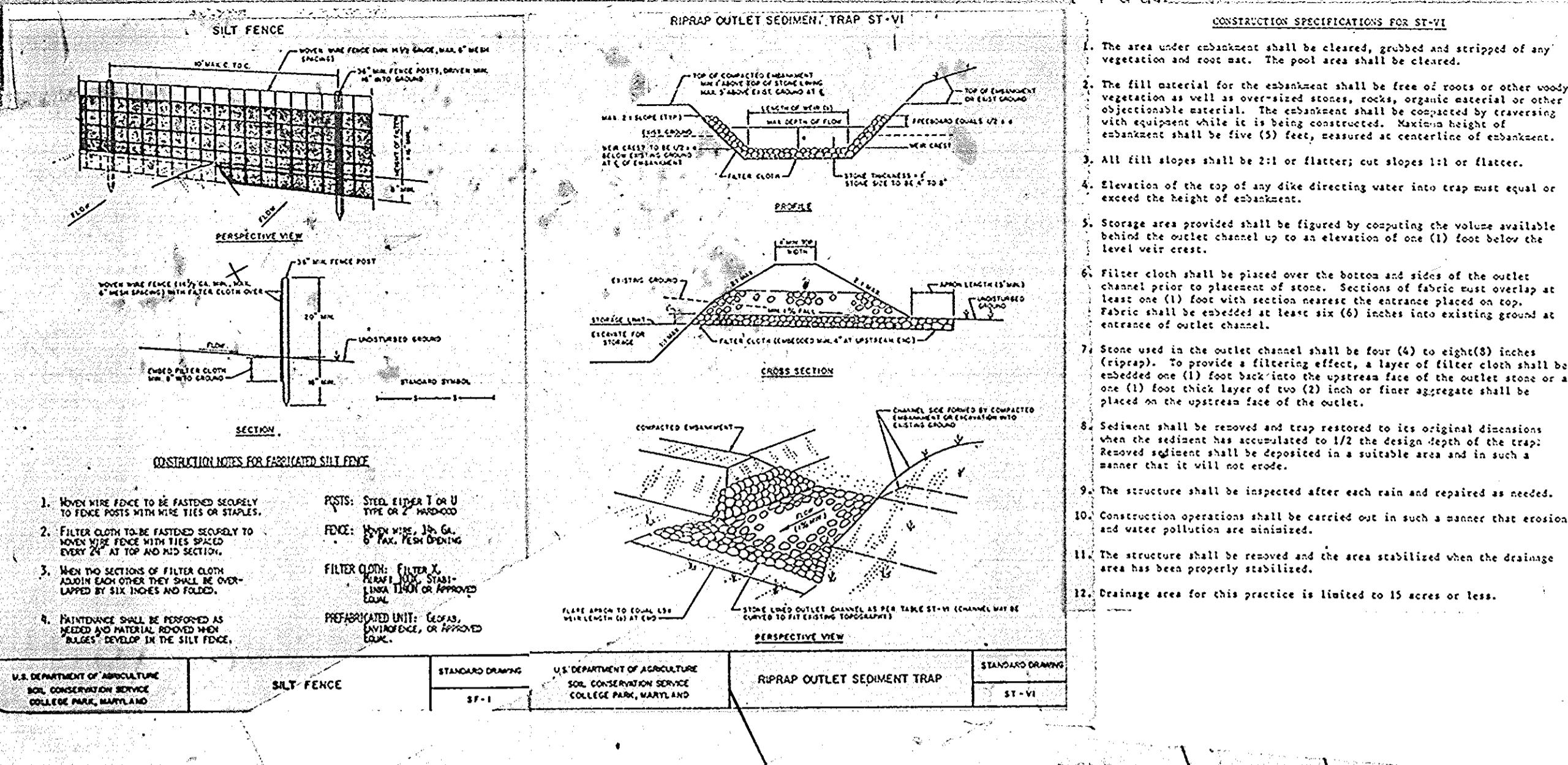
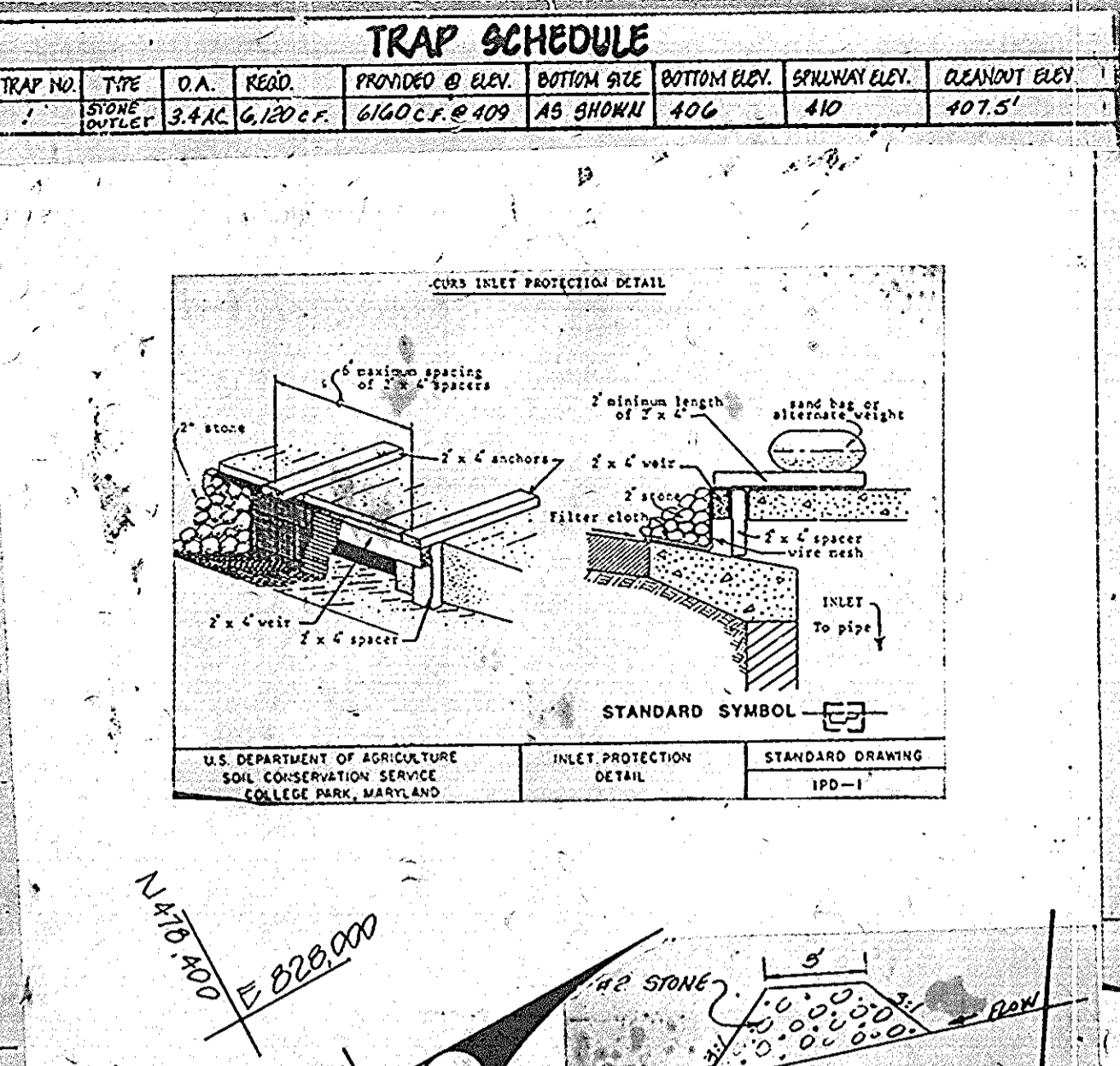
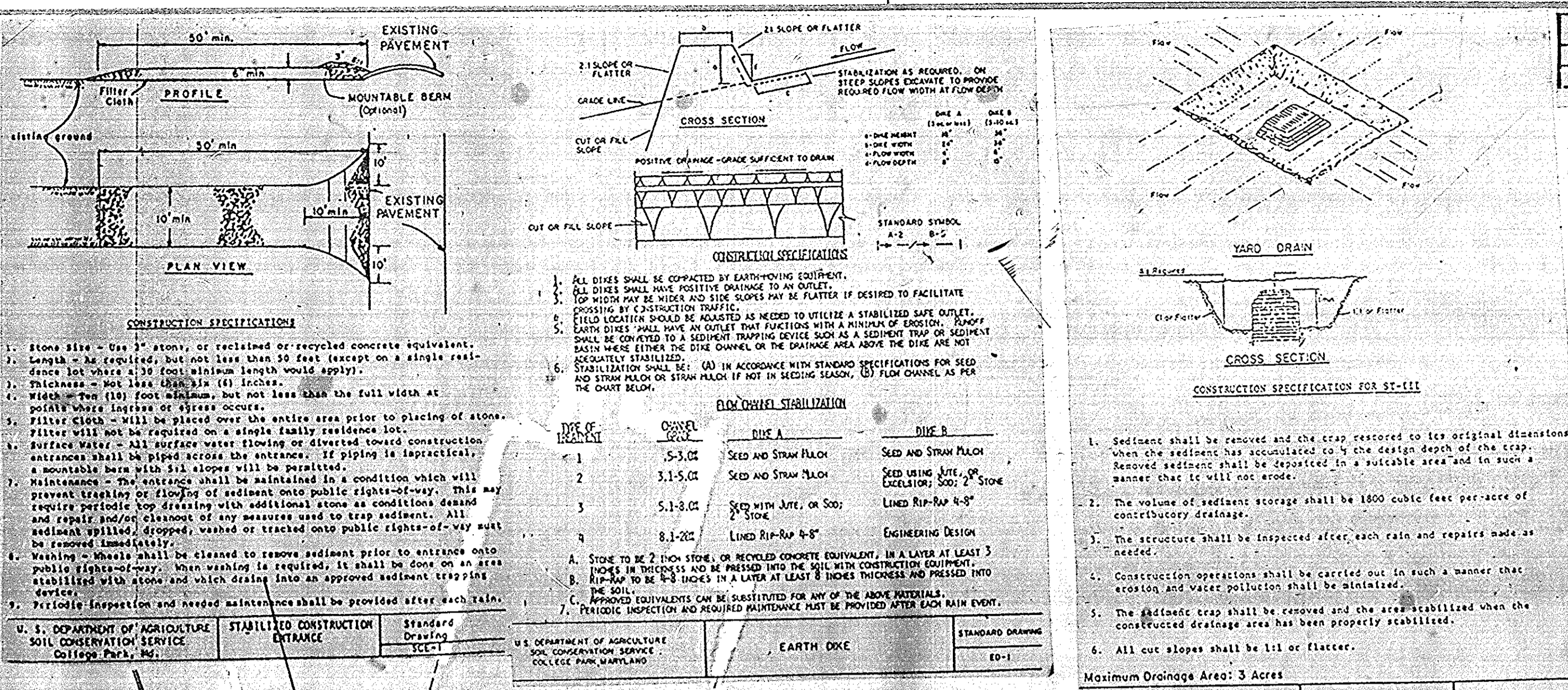
THIS PLAN IS FOR LANDSCAPING ONLY

"BUILDING AND PARKING REVISIONS TO SDP-86-18."

- CONSTRUCTION SPECIFICATIONS**
- FENCING SHALL BE 42" HIGH CHAIN LINK CONSTRUCTED BY ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY ADMINISTRATION STANDARD DETAILS 690A AND 690Z FOR CHAIN LINK FENCING. THE SPECIFICATIONS FOR A 6" FENCE SHALL BE USED. SUBSTITUTING 12" FABRIC AND 6" POSTS. POSTS SHALL BE PLACED WITHOUT CONCRETE EMBEDMENT.
 - CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. THE LOWER TENSION WIRE BRACE AND TENSION RODS, ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
 - FILTER CLOTH TO BE FASTENED SECURELY TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - FILTER CLOTH SHALL BE BROADCAST A MINIMUM OF 6" INTO THE GROUND.
 - WHEN TWO SECTIONS OF EMBOSSED CURB ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED.

Fabric Properties	Value	Test Method
Grid Tensile Strength (lbs)	50	ASTM D2002
Elongation at Failure (%)	50	ASTM D2002
Minimum Burst Strength (psi)	100	ASTM D2002
Puncture Strength (lbs)	40	ASTM D2002
Shrinkage Rate (in/in/yr)	0.3	ASTM D2002
Equivalent Opening Size	10-40	15-15 Sieve
Unstretched Radiation Stability (%)	50	ASTM G-22

SUPER SILT FENCE
 NOT TO SCALE



SEDIMENT CONTROL

By the Developer:
 I 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.
 Signature of Developer: Robert O. ... Date: 10-1-86

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 Department of Natural Resources.
 Signature of Engineer: Robert H. ... Date: 10-1-86

Reviewed for HOWARD S.C.D. Name: ... Date: 10-16-86

TH DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Signature of Howard S.C.D.: ... Date: 10/16/86

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 9-26-86

LANDSCAPING SCHEDULE

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
⊙	18	FRUNLUS GPP	FLOWERING CHERRY	6'-6" HGT.
⊙	42	ACER RUBRUM	RED MAPLE	2-2 1/2" CAL
⊙	24	PINUS STROBUS	EASTERN WHITE PINE	2 1/2" CAL
⊙	28	ANDRA JUNIPERO	ANDRA JUNIPER	15'-10" SPREAD - 3' O.C.

G & G ASSOCIATES
 C/O GREENBERG REALTY COMPANY
 840 CONNECTICUT AVE.
 SUITE 1000
 CHEVY CHASE, MARYLAND 20815

No.	REVISION	DATE	BY
1	Add 6" Private Water & Sprinkler Rm. by Fisher, Collins & Carter, Inc.	7.15.08	BL

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DRAINAGE AREA MAP & SEDIMENT CONTROL PLAN
 "BUILDING AND PARKING REVISIONS TO SDP-86-18"

CHERRY TREE CENTER
 PARCEL NO. 290
 FIFTH ELECTION DISTRICT TAX MAP 46,
 HOWARD COUNTY, MARYLAND

JVC: DESIGN
 GAW: DRAWN
 RHM: CHECKED
 DATE: JUNE '86
 SCALE: 1" = 30'
 SHEET: 2 OF 9
 JOB No. 1367X
 FILE No. SDP-86-274