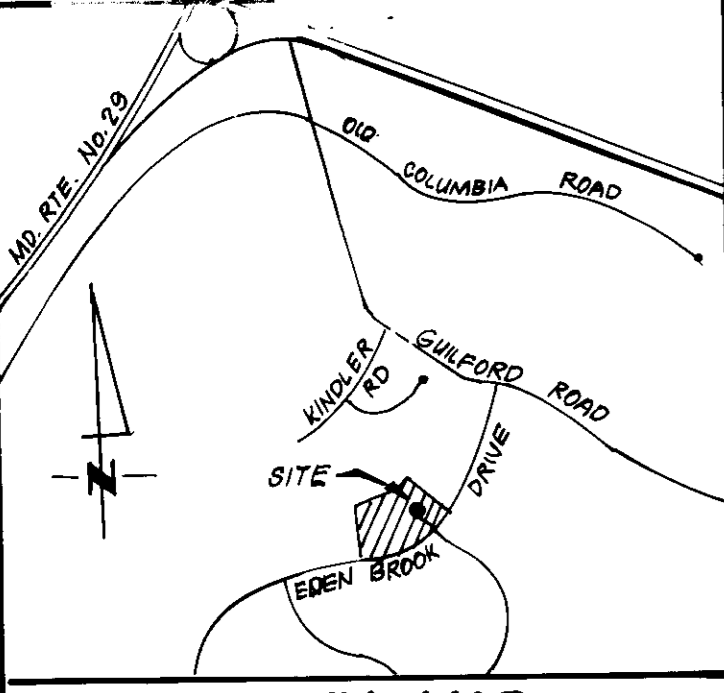


GENERAL NOTES

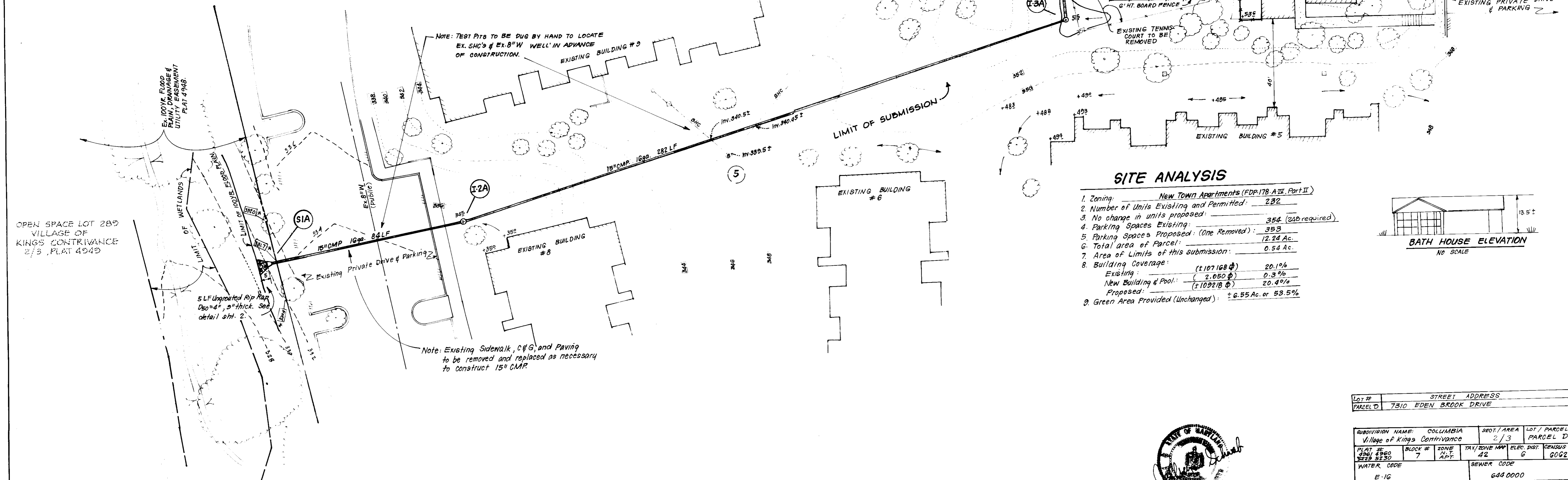
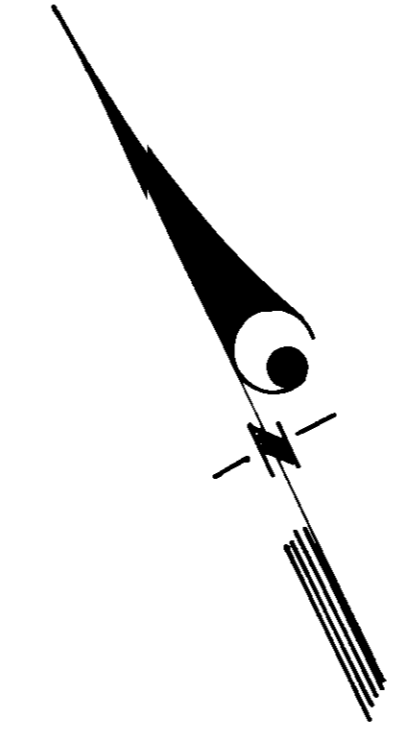
- The purpose of this Site Development Plan is for the removal of an existing tennis court and the construction of a community swimming pool, bath house, and associated utilities. Unless otherwise shown, all other improvements are existing as per SDP-83-91C & SDP-85-32-C.
- The proposed pool is intended for resident members only. No additional parking is required.
- All materials and construction to be in accordance with Ho. Co. Road Construction Code and Specifications.
- This plan is covered by FDP Plan Phase 178, A-IX, Part II.
- Topography was compiled from actual field surveys.
- The area included in this submission is located on Tax Map #42.
- All drive ways and parking are privately owned & maintained.
- Coordinates are based on Ho. Co. Geodetic Control Traverse which is based upon the Maryland State Plane Coordinate System.
- Class "C" Trench bedding shall be used for all storm drainage unless shown otherwise. See det. sht. 2.
- All downspout drains shall be handled by one of the following methods:
 - Downspout to splash blocks and discharged onto ground with good percolation.
 - Downspout in front of bldg. and piped to curb.
 - Downspout connected to storm drain.
- The developer agrees to work with the Department of Licenses & Inspections to resolve any problems caused by roof water discharge.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location & elev. of mains by digging test pits, by hand, at all utility crossings well in advance of construction.
- The contractor or developer shall contact the Construction Inspection/Survey Division 24 hrs. in advance of commencement of work at 992-2417 or 792-7272.
- All setback criteria as shown on FDP Phase 178 A-IX Part II recorded as Plat No. 3054 A-545 to 554.
- County Reference Files: Plat 4961, 4962, 5220, 5230; SDP-83-91C & SDP-85-32C.
- Stormwater Management is provided in a regional facility as shown on F-80-90C. All runoff created by this development enters the stream in open space lot 289 and leads to this facility.

LEGEND

- Contour Interval: 2 Ft.
- Existing Contour:
- Proposed Contour:
- Spot Elevation:
- Direction of Drainage:
- Existing Trees to be Saved:
- Proposed Storm Drain:

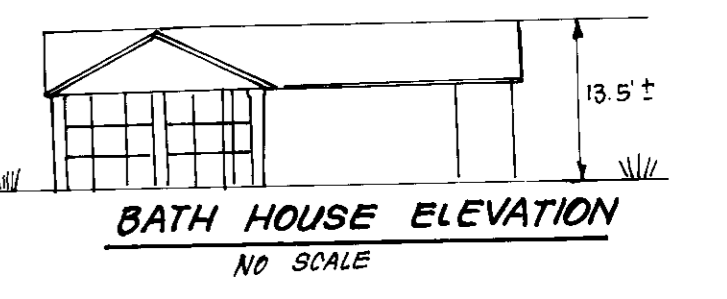


VICINITY MAP
SCALE: 1"=200'



SITE ANALYSIS

- Zoning: New Town Apartments (FDP-178 A-IX Part II)
- Number of Units Existing and Permitted: 232
- No change in units proposed: 354 (248 required)
- Parking Spaces Existing: 353
- Parking Spaces Proposed (One Removed): 353
- Total area of Parcel: 12.24 Ac.
- Area of Limits of this submission: 0.54 Ac.
- Building Coverage:
 - Existing: ± 107,168 sq ft (20.1%)
 - New Building & Pool: ± 2,050 sq ft (0.3%)
 - Proposed: ± 109,218 sq ft (20.4%)
- Green Area Provided (Unchanged): ± 6.85 Ac. or 55.5%



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

10-11-89
DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
DATE: 10-23-89

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

10-5-89
DATE

10-4-89
DATE

Reviewed for: Howard S.C.D.
Name

Signature: *[Signature]* Date: 12/2/89

U.S. Soil Conservation Service

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

Approved: *[Signature]* Date: 2/21/89

DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

[Signature] Date: 5-12-89

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

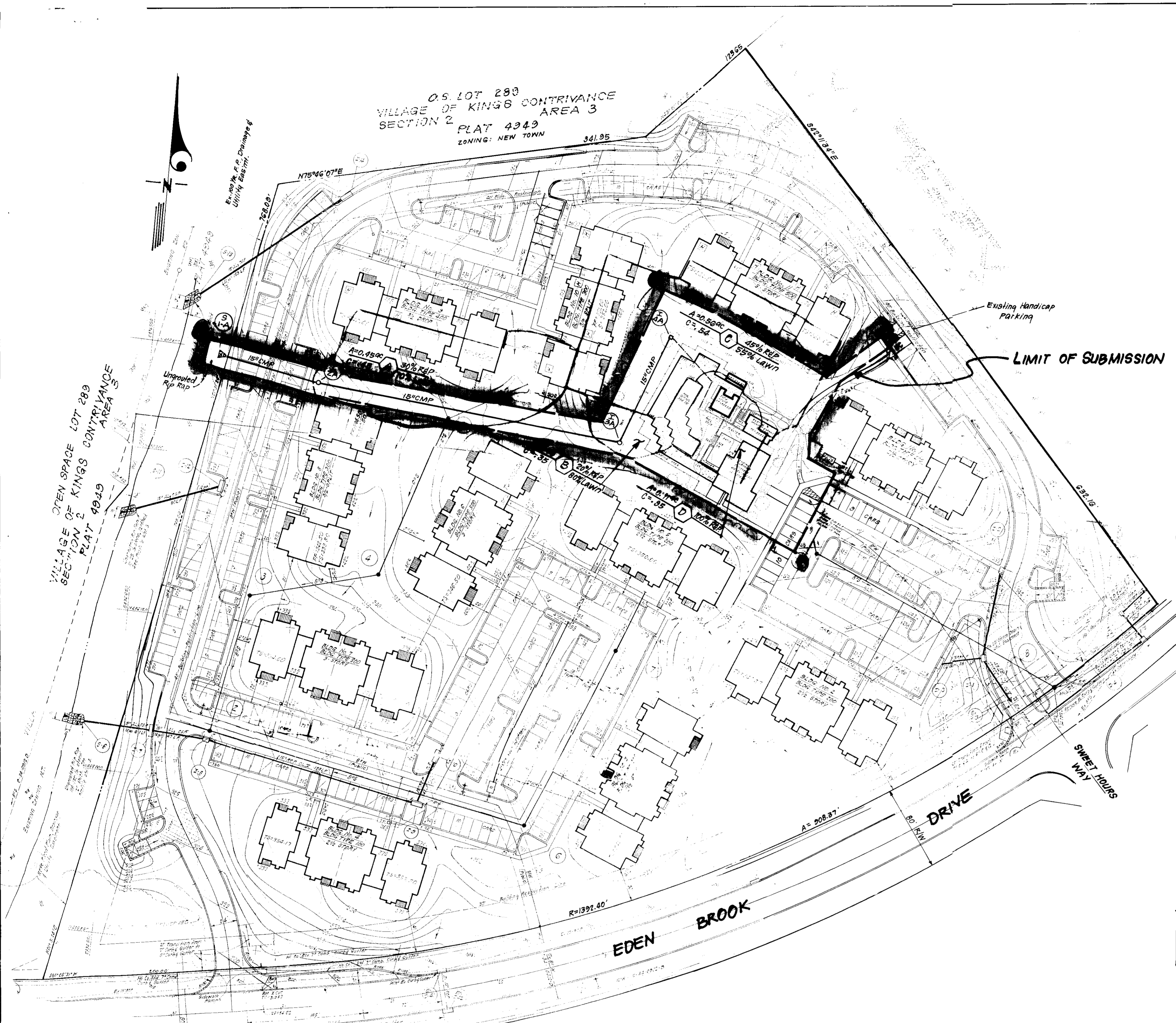
[Signature] Date: 5/15/89

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

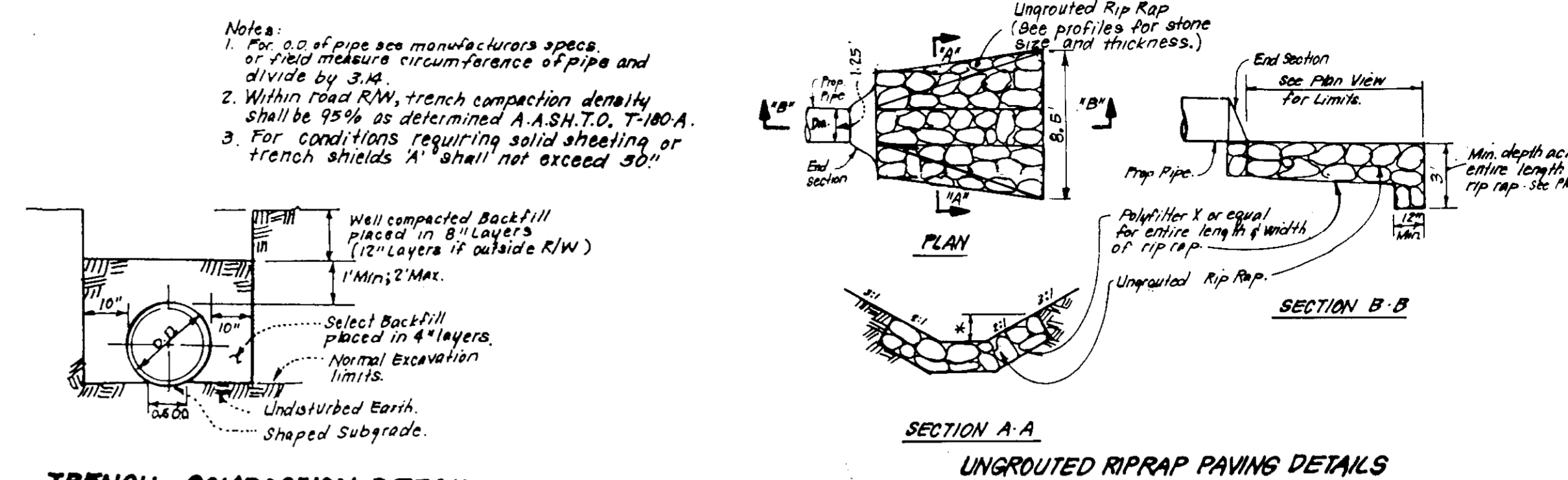
7135 MINSTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED WHT	SITE DEVELOPMENT PLAN FOR COMMUNITY POOL & BATH HOUSE PARCEL D COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 2 DISTRICT 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: EDENBROOK LIMITED PARTNERSHIP THREE BETHESDA METRO CENTER, SUITE 250 BETHESDA MD. 20814	SCALE 1"=20'
DRAWN KIWM		DRAWING 10F3
CHECKED JLS		JOB NO. 89-039
DATE May, 1989		FILE NO. 89-039-X

LOT #	STREET ADDRESS
PARCEL D	7810 EDEN BROOK DRIVE
SUBDIVISION NAME:	COLUMBIA
Village of Kings Contrivance	2/3
PLAT #	4961, 4962
BLOCK #	7
ZONE	APT
TAX/ZONE MAP	42
ELEC. DIST.	G
CONSU. TR	6002
WATER CODE	E-16
SEWER CODE	644 0000



COMPOSITE PLAN & DRAINAGE AREA MAP
SCALE: 1"=50'



TRENCH COMPACTION DETAIL
NO SCALE

UNROUTED RIPRAP PAVING DETAILS
NO SCALE

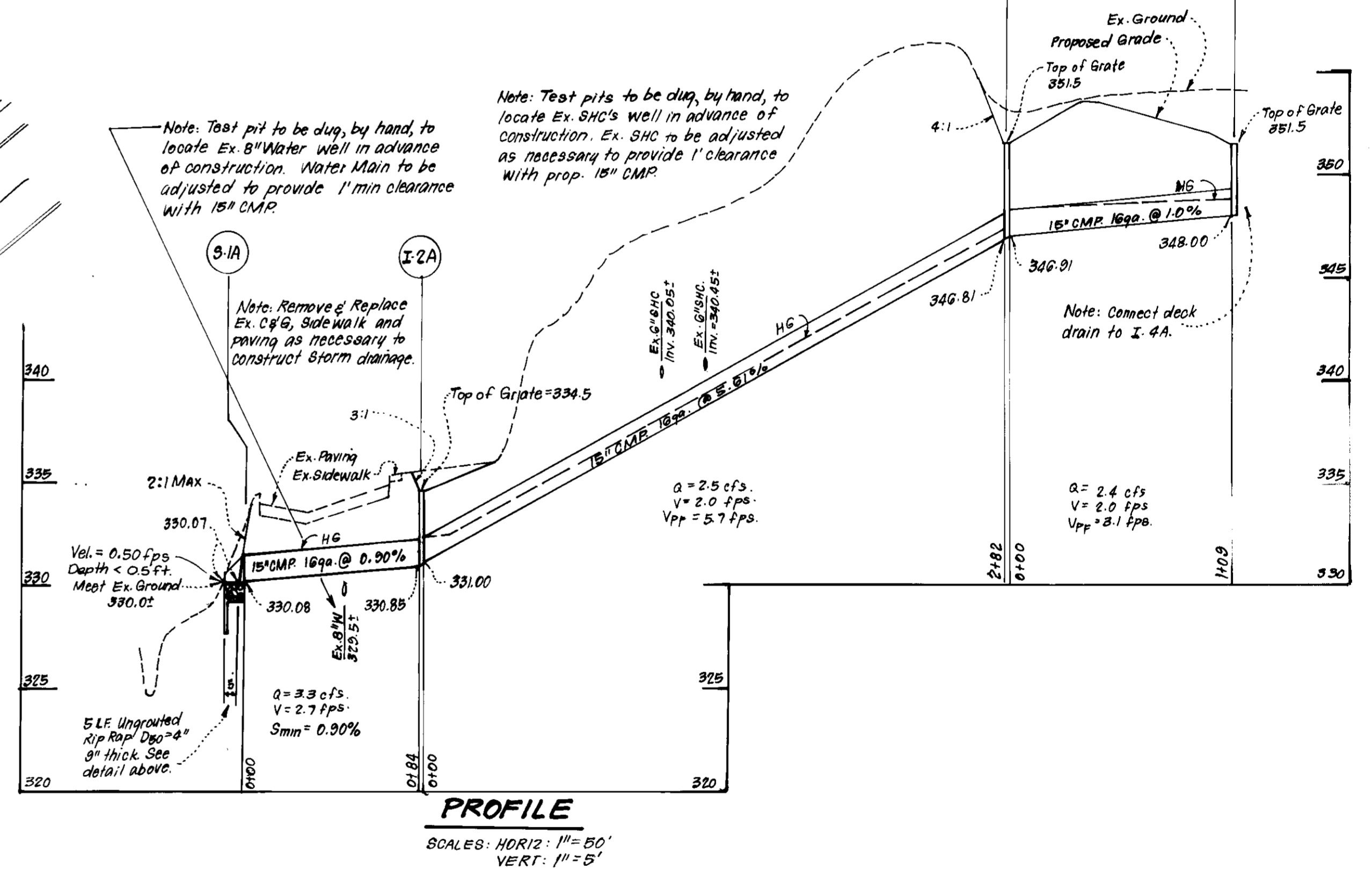
STRUCTURE SCHEDULE

No.	TYPE	INV. IN	INV. OUT	TOP ELEVATION	REMARKS	LOCATION
S1A	Metal End Section	329.04	329.00	-	No. Co. Std. SD 5.61	15"Ø See Plan
I-2A	Yard Inlet	331.00	330.85	334.5	No. Co. Std. SD 414	2" Rd. "
I-3A	Yard Inlet	346.81	346.81	351.5	No. Co. Std. SD 414	2" Rd. "
I-4A	Yard Inlet	-	348.00	351.5	No. Co. Std. SD 414	2" Rd. "

PIPE SCHEDULE

SIZE	TYPE	LENGTH
15"	CMP 10 gage	486 LF
6"	PVC	55 LF
4"	PVC	113 LF

* 2 3/8" x 1/2" Corrugations.



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

W. J. ... 10-11-89
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

... 10-22-89
DIRECTOR DATE

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

... 10-5-89
DIRECTOR DATE

... 10-4-89
CHIEF BUREAU OF ENGINEERING DATE

7-19-89
LS

Reviewed for Howard County S.C.D.
Name: *John P. Peloton*
Signature: *John P. Peloton*
Date: 2/21/89
U.S. Soil Conservation Service

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

John P. Peloton 2/21/89
Approved Date

DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as may deem necessary.

Jeffrey L. Schwarz 5-12-89
Signature of Developer/Builder Date



I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Jeffrey L. Schwarz 5/15/89
JEFFREY L. SCHWARZ Date

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

7135 MINISTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 • BALTO. • (301) 621-8100 • WASH.

DESIGNED	JLS	SCALE	As Shown
DRAWN	KJWM	DRAWING	2 OF 3
CHECKED	JLS	JOB NO.	89-039
DATE	WHT	FILE NO.	89-030 X

FOR: EDENBROOK LIMITED PARTNERSHIP, THREE BETHESDA METRO CENTER, SUITE 250, BETHESDA, MD. 20814

May, 1989

PERMANENT SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. If not previously seeded.

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 sq ft) and 800 lbs per acre 15-15-10 fertilizer (15 lbs/1000 sq ft) before seeding. Narrow 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 800 lbs per acre 15-15-10 fertilizer (15 lbs/1000 sq ft) before seeding. Narrow 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 (1.1 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 (30 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt. For 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 redistributed where a short-term vegetative cover is needed.

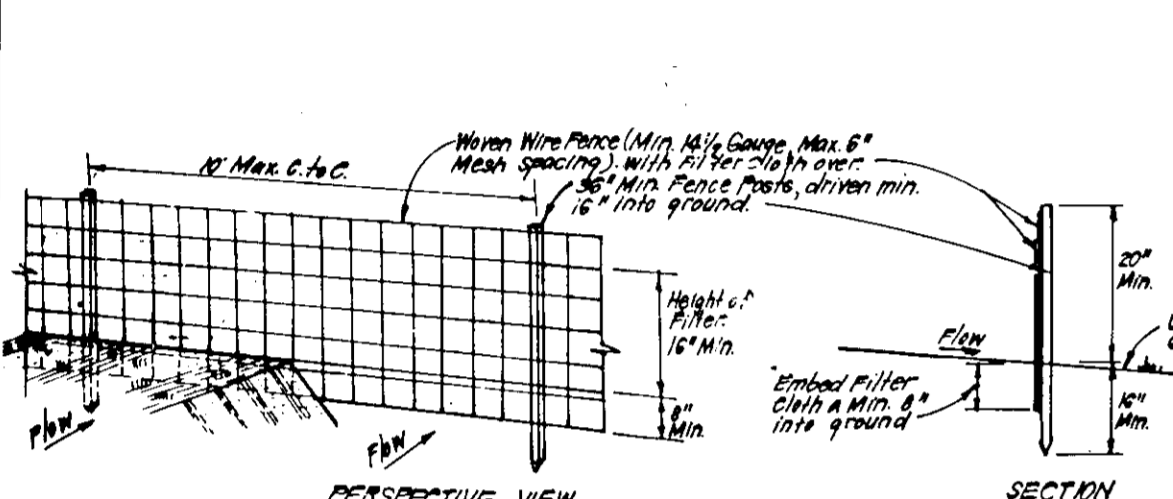
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. If not previously seeded.

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

Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushels 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.

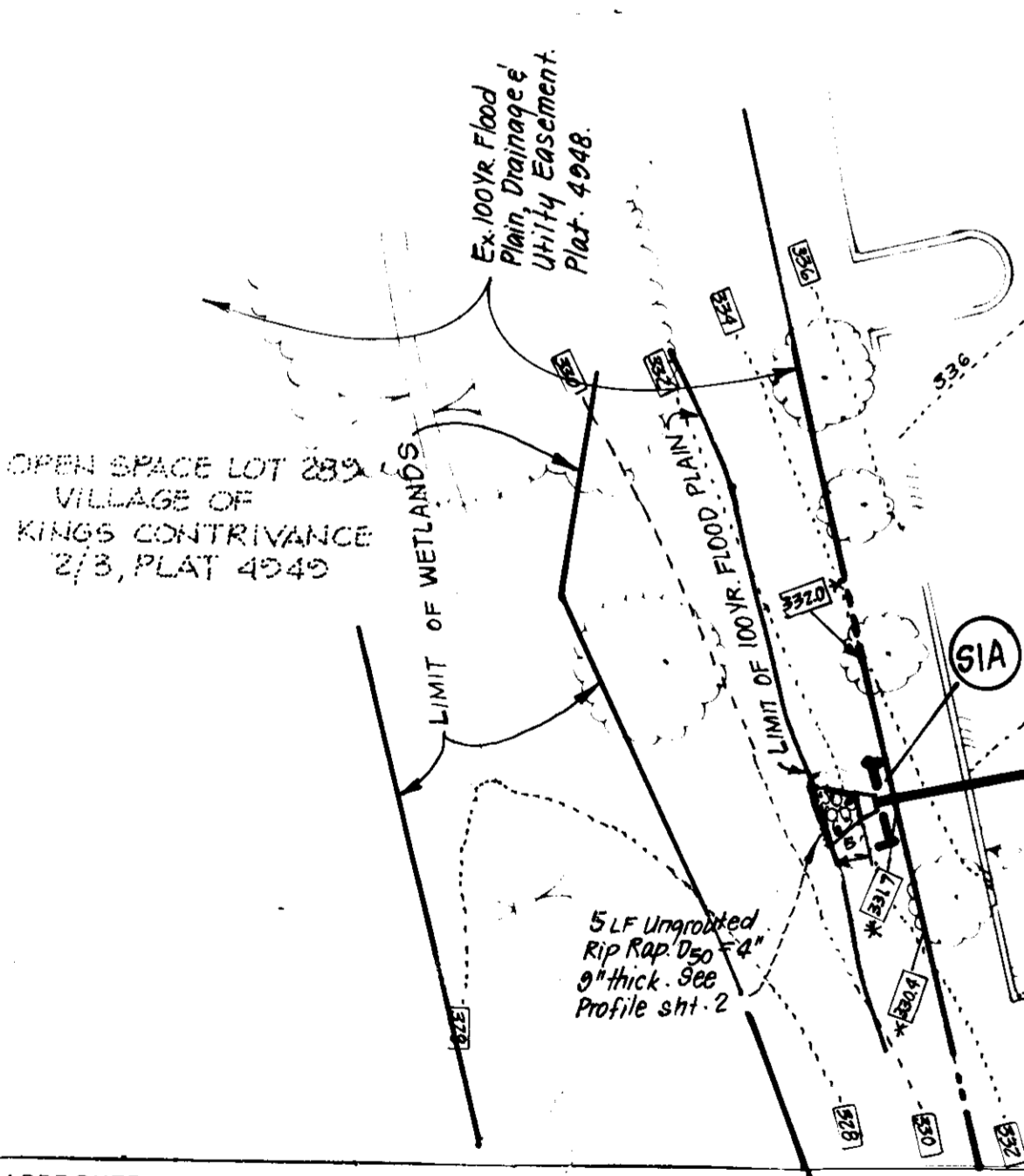
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Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.



CONSTRUCTION SPECIFICATIONS:

1. When wire fence is to be placed, securely to fence posts with wire ties or staples.
2. When staples are to be driven, securely to wooden fence posts with 1/2 inch staples, 8d or 10d.
3. When 2 sections of filter cloth are used, they shall be overlapped by 6 inches.
4. Maintenance shall be performed on needed and material removed when "bulges" develop in silt fence.



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

APPROVED FOR HOWARD COUNTY, DEPT. OF PLANNING & ZONING

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

CHIEF BUREAU OF ENGINEERING

INLET PROTECTION DETAIL

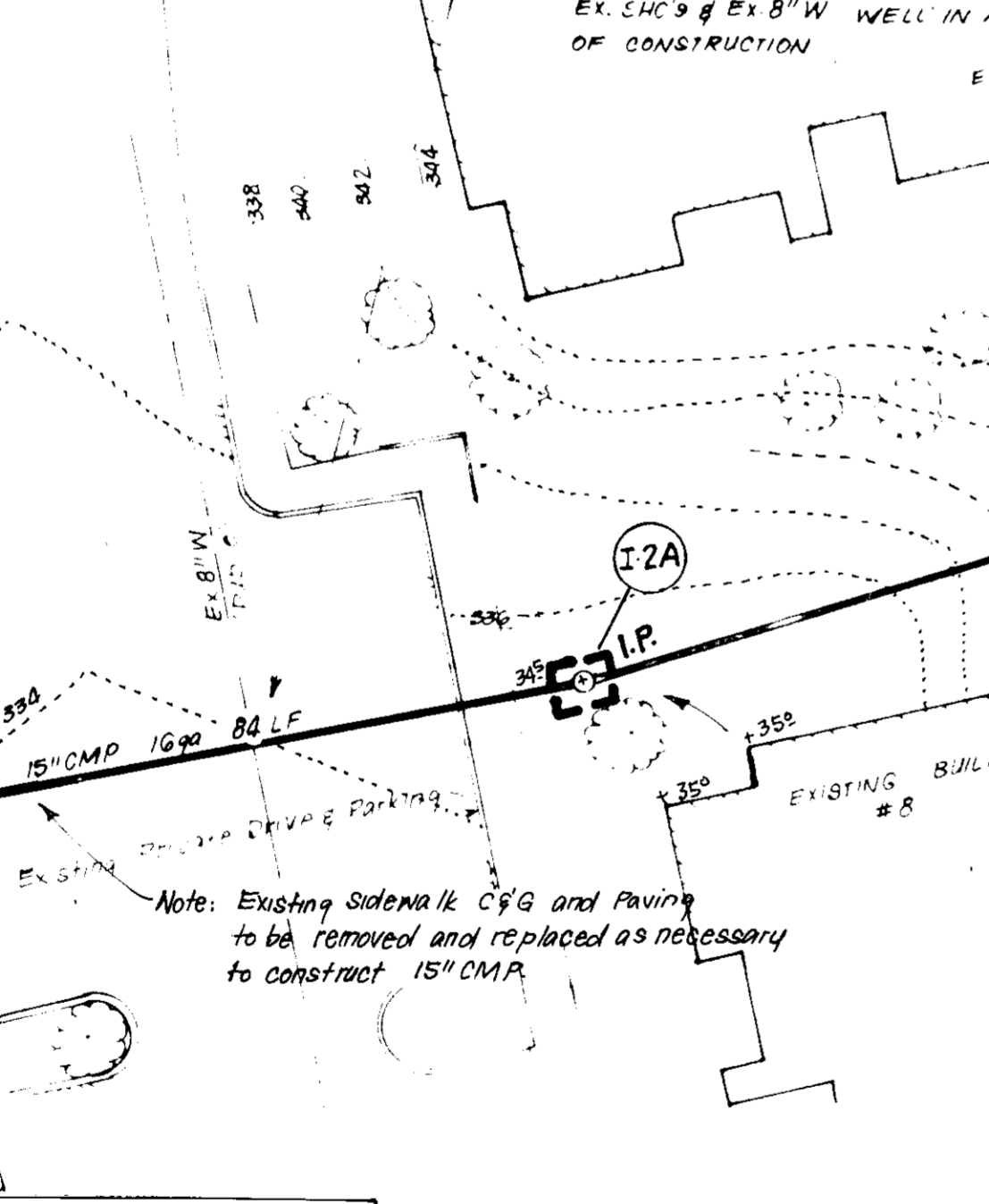
CONSTRUCTION SEQUENCE:

No. of DAYS	Description
2	1. Obtain grading permit.
5	2. Install sediment & erosion controls.
7	3. Clear and rough grade.
30	4. Install utilities & Inlet Protection.
50	5. Construct Structures, Sidewalks & Paving.
10	6. Final Grade & Stabilize site.
3	7. Upon approval of the sediment control inspector, remove sediment & erosion controls & stabilize.

8. Contractor shall provide silt fence at limits of disturbance on a daily basis while constructing storm drain system.

INLET PROTECTION

1. Excavate completely around inlet to a depth of 18" below each elevation.
2. Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail strips between posts at ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (outer) must be 4" below edge of roadway adjacent to inlet.
3. Stretch wire mesh tightly around frame and secure securely. Ends must meet at post.
4. Stretch filter cloth tightly over wire mesh and extend from top of frame to 18" below inlet. Fasten securely to frame. Ends must meet at post. Do not overlap and fasten, then cover with sod.

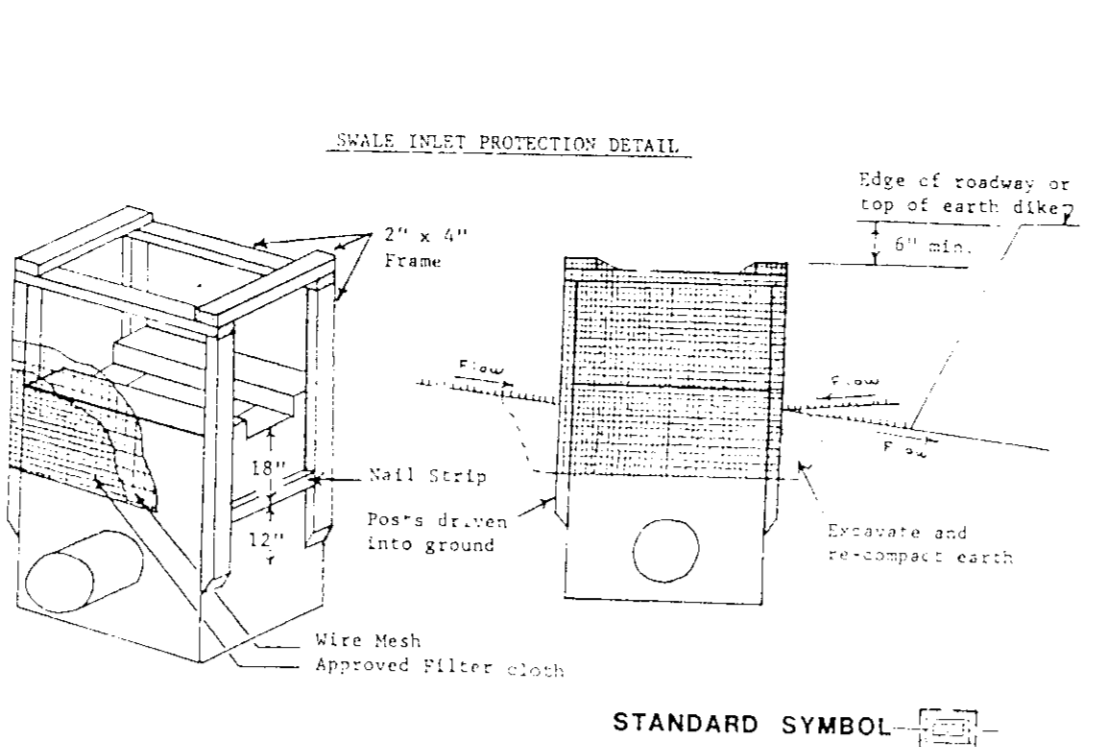


APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

APPROVED FOR HOWARD COUNTY, DEPT. OF PLANNING & ZONING

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

CHIEF BUREAU OF ENGINEERING



LEGEND

Contour Interval 2 FF

Existing Contour 300

Proposed Contour 300

Spot Elevation 209

Direction of Drainage

Existing Trees to be Saved

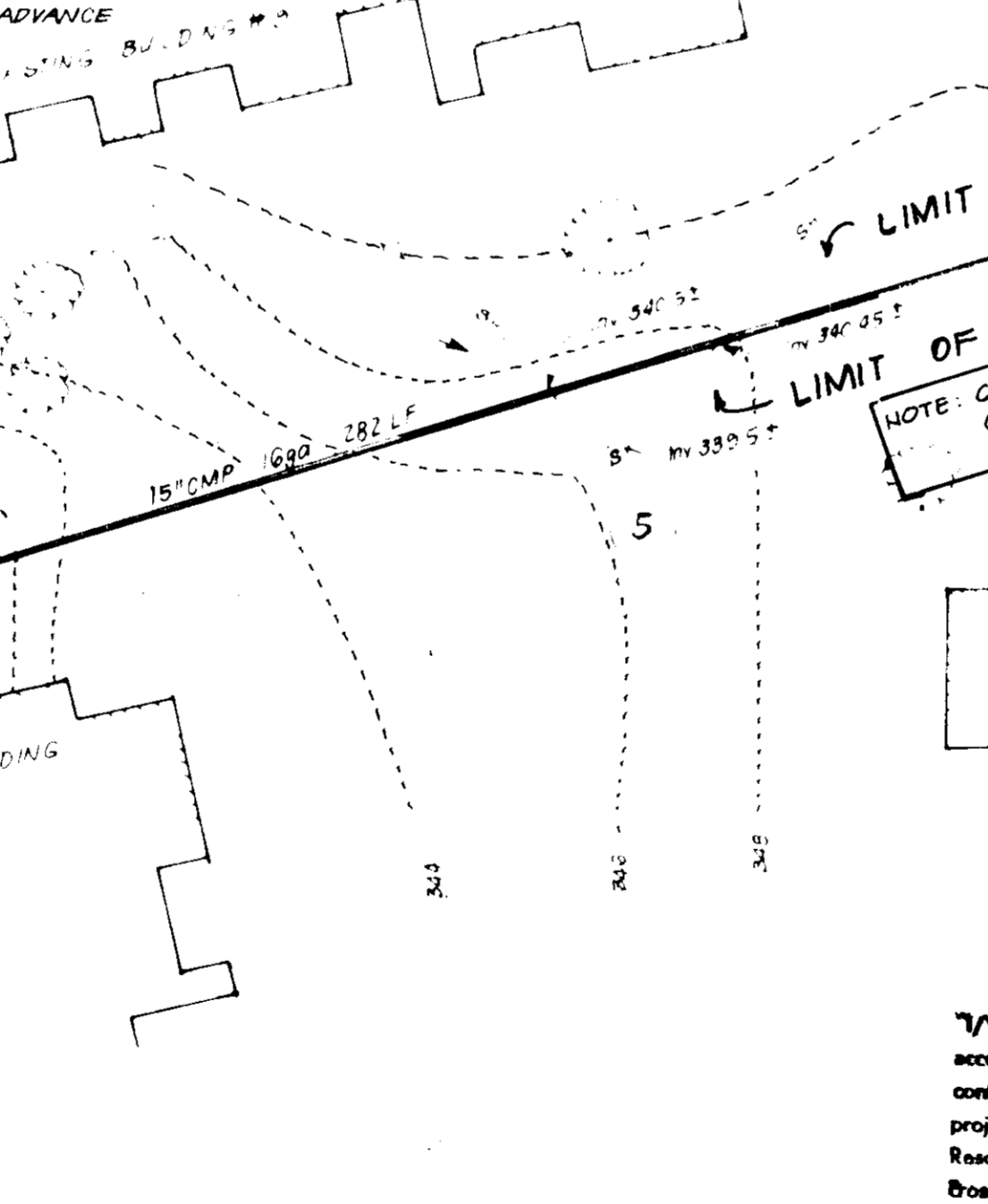
Proposed Storm Drain

Inlet Protection

Stabilized Construction Entrance

II. Procedure

1. A waffle, Aitchline or waffle inlet protection.
1. Excavate completely around inlet to a depth of 18" below each elevation.
2. Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail strips between posts at ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (outer) must be 4" below edge of roadway adjacent to inlet.
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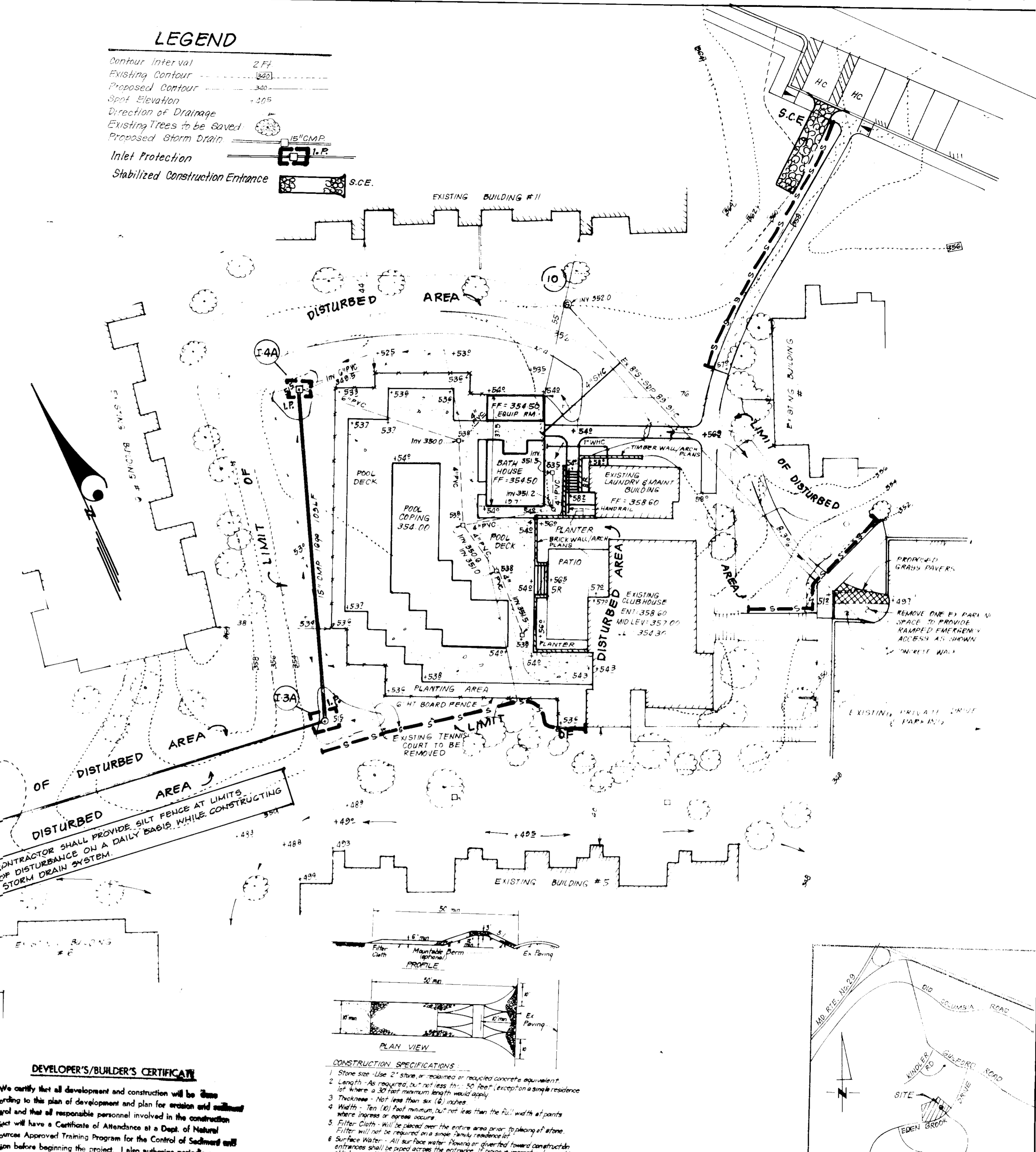


APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

APPROVED FOR HOWARD COUNTY, DEPT. OF PLANNING & ZONING

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

CHIEF BUREAU OF ENGINEERING



DEVELOPER'S/BUILDER'S CERTIFICATE

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John F. Schmit 5-12-89
Developer/Builder

ENGINEER'S CERTIFICATE

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Jeffrey L. Schmit 5/15/89
JEFFREY L. SCHMIT, P.E.
Engineer

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

7355 MINNISTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 • FAX: (410) 381-7501

SEDIMENT & EROSION CONTROL PLAN FOR COMMUNITY POOL & BATH HOUSE PARCEL ID

COLUMBIA
VILLAGE OF KINGS CONTRIVANCE
SECTION 2 AREA 3
GTY ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: "BETHESDA" LIMITED PARTNERSHIP
THREE BETHESDA METRO CENTER, SUITE 350
BETHESDA, MD 20814

DESIGNED: KIWM
DRAWN: KIWM
CHECKED: JLS
DATE: May, 1989

DATE: 5/12/89

DATE: 5/15/89

SCALE: 1"=2000

SCALE: 1"=2000