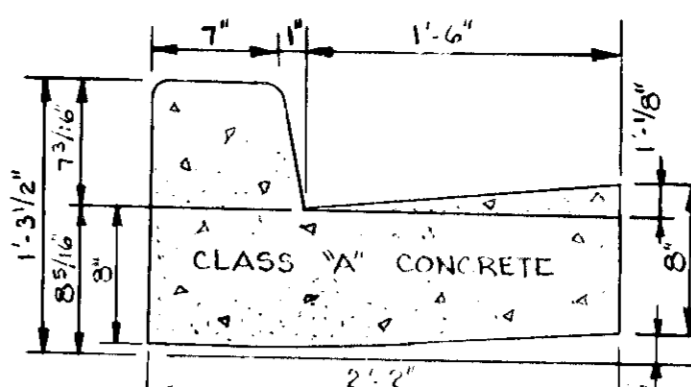
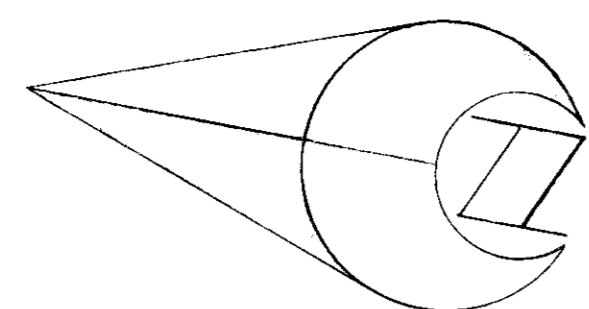


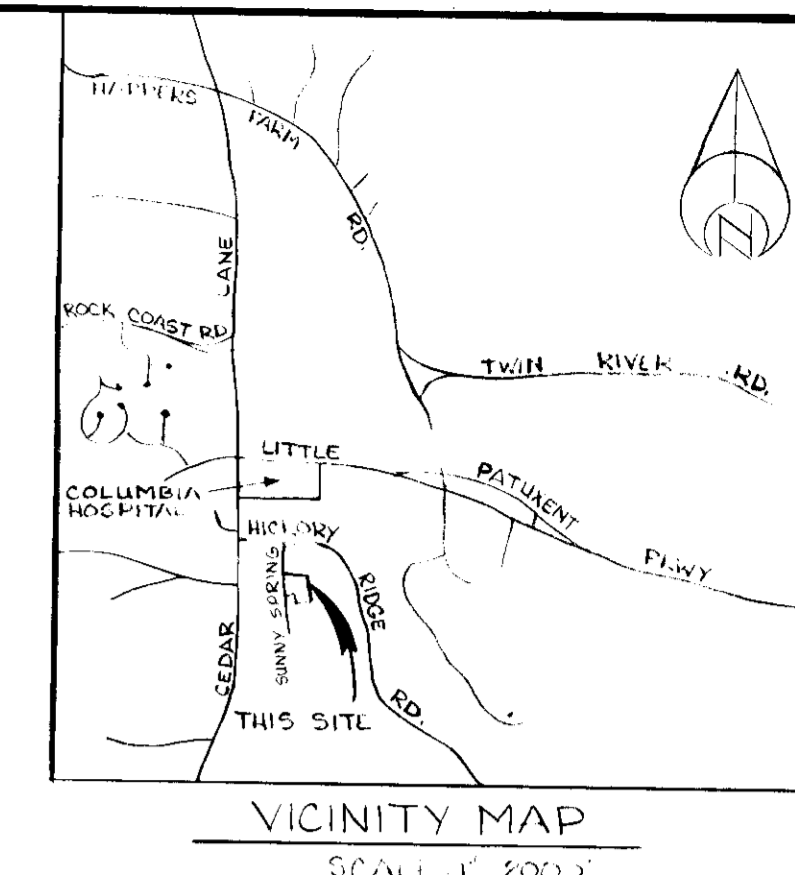
BENCHMARK SCHEDULE

B.M. #1 K.R. SHIKE IN 3" CHERRY TREE ITEM 424.68
 B.M. #2 KONNI 1 SCL N.E. CORNER FIRE HYDRANT ELEV. 431.23



STANDARD 7" COMBINATION CURB & GUTTER

NOTE: FOR DETAIL NOT SHOWN SEE HOWARD COUNTY STANDARD CLASS 7" INLET DRAWING D-40 PAGE 95.



VICINITY MAP
SCALE: 1" = 200'

LEGEND

- EXISTING CONTOUR - 420
- PROPOSED CONTOUR - 420
- PROP. BITUMINOUS PAVING (5")
- PROP. CONCRETE WALK (4")
- PROP. CONCRETE CURB & GUTTER
- PROP. BITUMINOUS CURB & GUTTER

SITE ANALYSIS

ZONING - OPEN SPACE - FDP-100-A-1
 DEED REFERENCE - LOT II-A COLUMBIA PLAT 4247
 TOTAL AREA: 4.209 AC.
 TOTAL DISTURBED AREA: 3.60 AC.
 TOTAL BUILDING COVERAGE: 3260 SQ. FT.
 PERCENTAGE OF BUILDING COVERAGE: 1.7%

PARKING SCHEDULE

PARKING REQUIRED - SEE SECTION 123, B, 2b, (15) OF THE 1977 ZONING REGULATIONS
 PARKING PROVIDED - 38 SPACES
 HANDICAPPED PARKING (12'x20') - 2 SPACES
 TYPICAL PARKING (10'x20') - 36 SPACES

NOTE: EACH HANDICAPPED SPACE SHALL BE MARKED WITH A SIGN IN ACCORDANCE WITH THE MARYLAND STATE BUILDING CODE FOR THE HANDICAPPED AND THE AGED.

STORM WATER MANAGEMENT FOR 0.78 ACRES IS PROVIDED ON THIS PLAN. STORM WATER MANAGEMENT FOR THE REMAINDER OF THE LOT WILL BE PROVIDED WHEN THE REMAINDER OF THE SITE IS DEVELOPED.

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: **9-26-79**

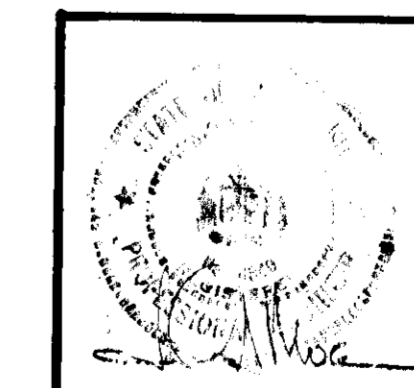
*NOTE: REMOVE EXISTING CURB & WALK TO NEAREST JOINT AS NECESSARY TO CONSTRUCT ENTRANCES AND STORM DRAIN PIPE.

REVISIONS

- Changed grades on north side of building, changed alignment of 2" water.
- Revised entrance plaza, added 4" x 6" benches.
- Revised all concrete walk widths and grading around building. See DIPW letter to P12-11-78.

Jequeline Loney
 OWNER/DEVELOPER
 COLUMBIA ASSOCIATION
 5829 BANNER ROAD
 COLUMBIA, MARYLAND 21044
 PHONE: 997-0250

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT	<i>James B. ...</i>	3-10-80
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING	<i>Howard County Planning</i>	3-12-80
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<i>Howard County Public Works</i>	3-7-80



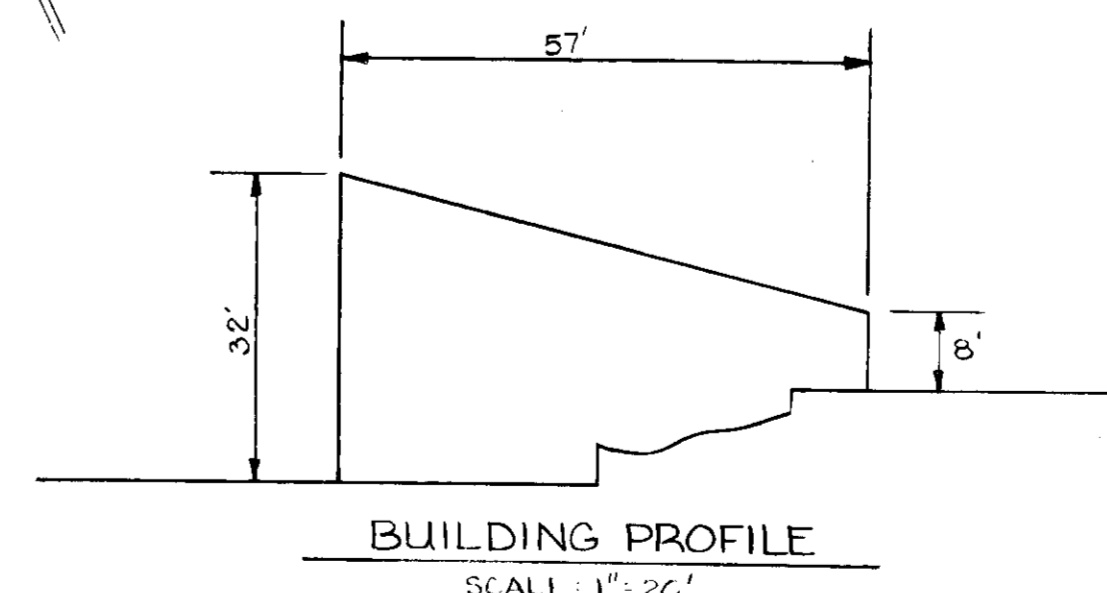
SITE DEVELOPMENT PLAN
HAWTHORN COMMUNITY CENTER
 LOT II-A COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION I AREA I PLAT 4247 TAX MAP 35
 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

REVISIONS		
NO.	DATE	BY

MACRIS, HENDRICKS AND WITMER P.A.
 ENGINEERS - SURVEYORS

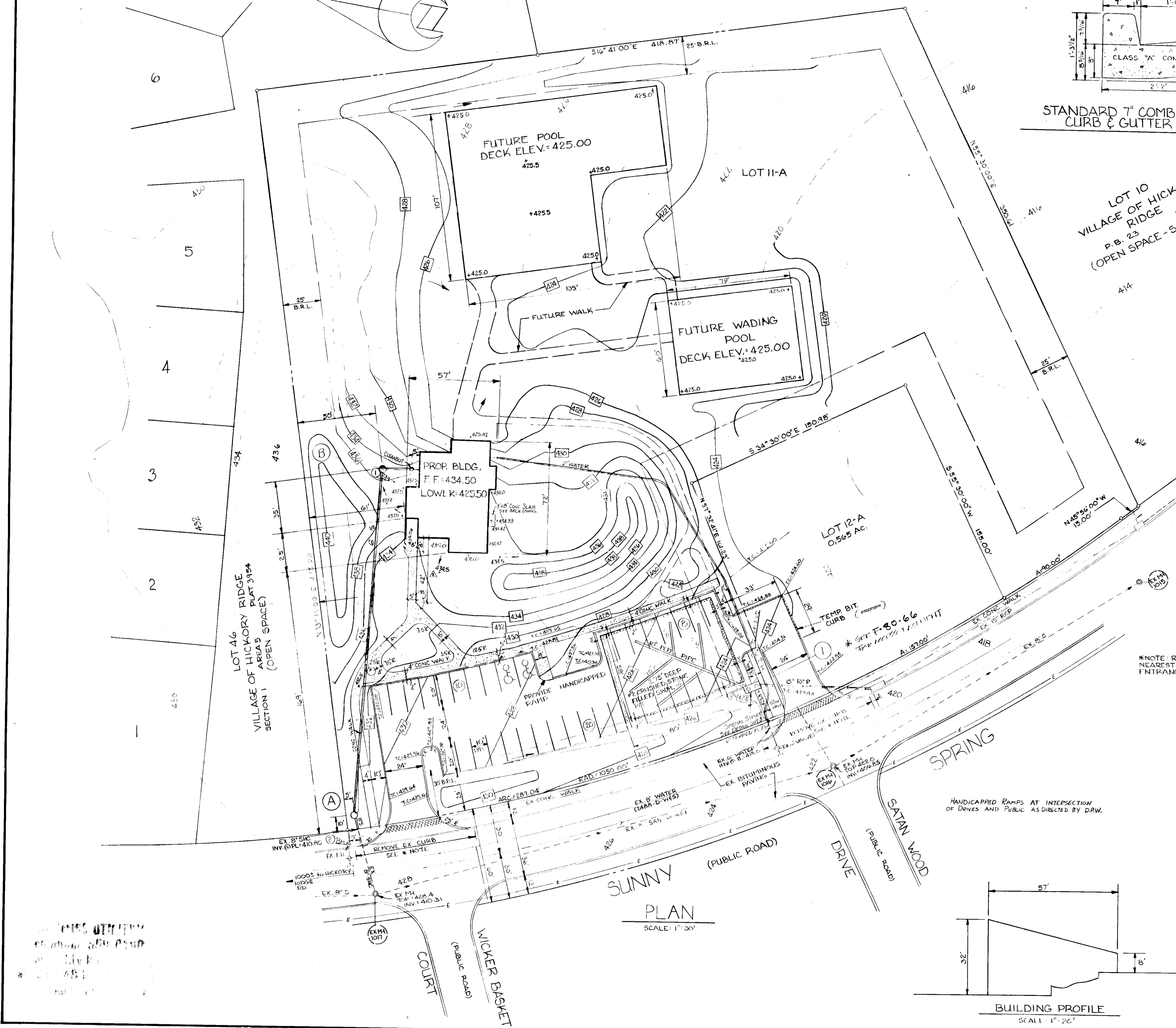
SUITE 206
 15209 FREDERICK ROAD
 ROCKVILLE, MD. 20850
 (301) 340-8705

SCALE: 1" = 30'	DRAWN: [Signature]
CHECKED: [Signature]	DATE: [Date]
JOB NO.	DRAWING NO.



BUILDING PROFILE
SCALE: 1" = 20'

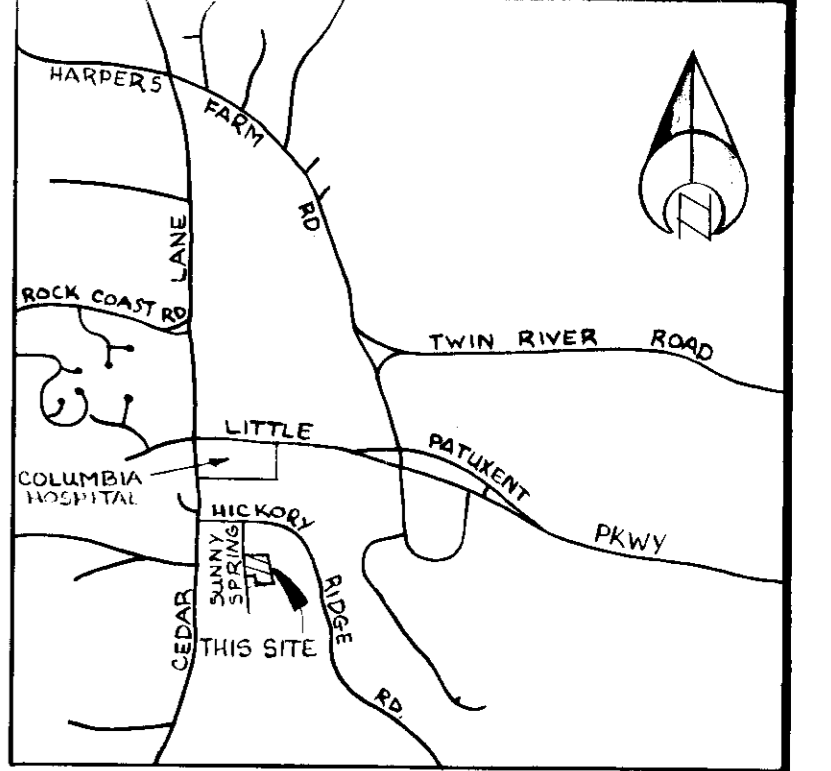
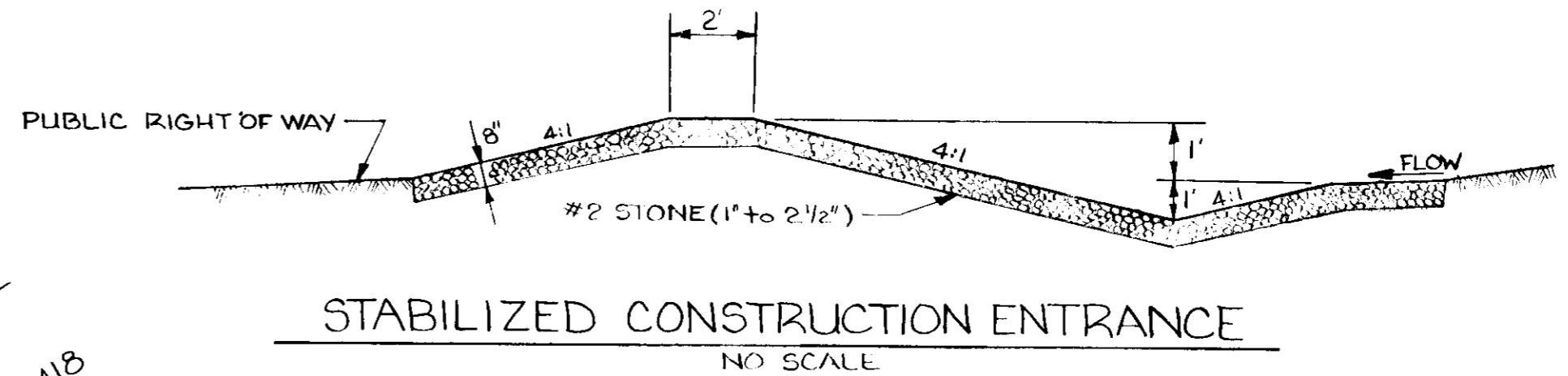
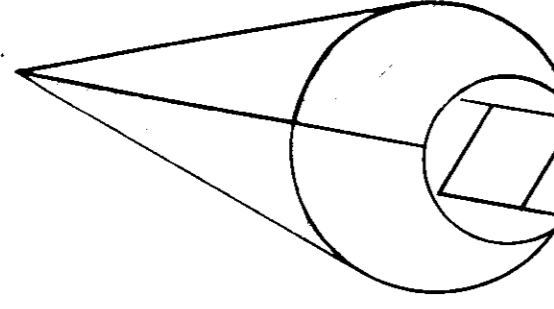
PLAN
SCALE: 1" = 30'



REVISIONS
 1. [Signature]
 2. [Signature]
 3. [Signature]

BENCHMARK SCHEDULE

BM#1 - R.R. SPIKE IN 36" CHESTNUT TREE - ELEV. 434.68
 BM#2 - BONNET BOLT N.E. CORNER - FIRE HYDRANT - ELEV. 431.23



LEGEND

- EXISTING CONTOUR 420
- PROPOSED CONTOUR 420
- PERIMETER DIKE PD
- STRAW BALE DIKE S.B.D.
- STABILIZED CONSTRUCTION ENTRANCE

SITE ANALYSIS

TOTAL AREA = 42.67 AC.
 TOTAL DISTURBED AREA = 34.00 AC.
 TOTAL IMPERVIOUS AREA = 20,500 SF.
 TOTAL REVEGETATED AREA = 3.15 AC.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS

Walter J. Beckner 2-27-80
 SIGNATURE DATE
 U.S. SOIL CONSERVATION SERVICE

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

APPROVED *Wm. S. Rowe* 2-29-80
 SIGNATURE DATE
 HOWARD S.C.D.

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

Joseph B. Adams 3-10-81
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

William S. Klined 13-10-80
 PLANNING DIRECTOR DATE

Michael J. ... 8-1-80
 CHIEF DIVISION OF LAND DEVELOPMENT DATE

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

Henry F. ... 8-7-80
 DIRECTOR DATE

Priscilla ... 9-1-80
 CHIEF ENGINEER DATE

APPROVED PLANNING BOARD
 HOWARD COUNTY
 DATE 9-26-79

Jacqueline Dewey
 OWNER/DEVELOPER
 COLUMBIA ASSOCIATION
 5829 BANNEKER ROAD
 COLUMBIA, MARYLAND 21044
 PHONE 997-0250



SITE DEVELOPMENT PLAN
HAWTHORN COMMUNITY CENTER
 LOT 11-A COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION 1 AREA 1 PLAT 4247 TAX MAP 55
 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

REVISIONS		
NO.	DATE	BY

MACRIS, HENDRICKS AND WITMER P.A.
 ENGINEERS SURVEYORS
 SUITE 206
 15209 FREDERICK ROAD
 ROCKVILLE, MD. 20850
 (301) 340-8705

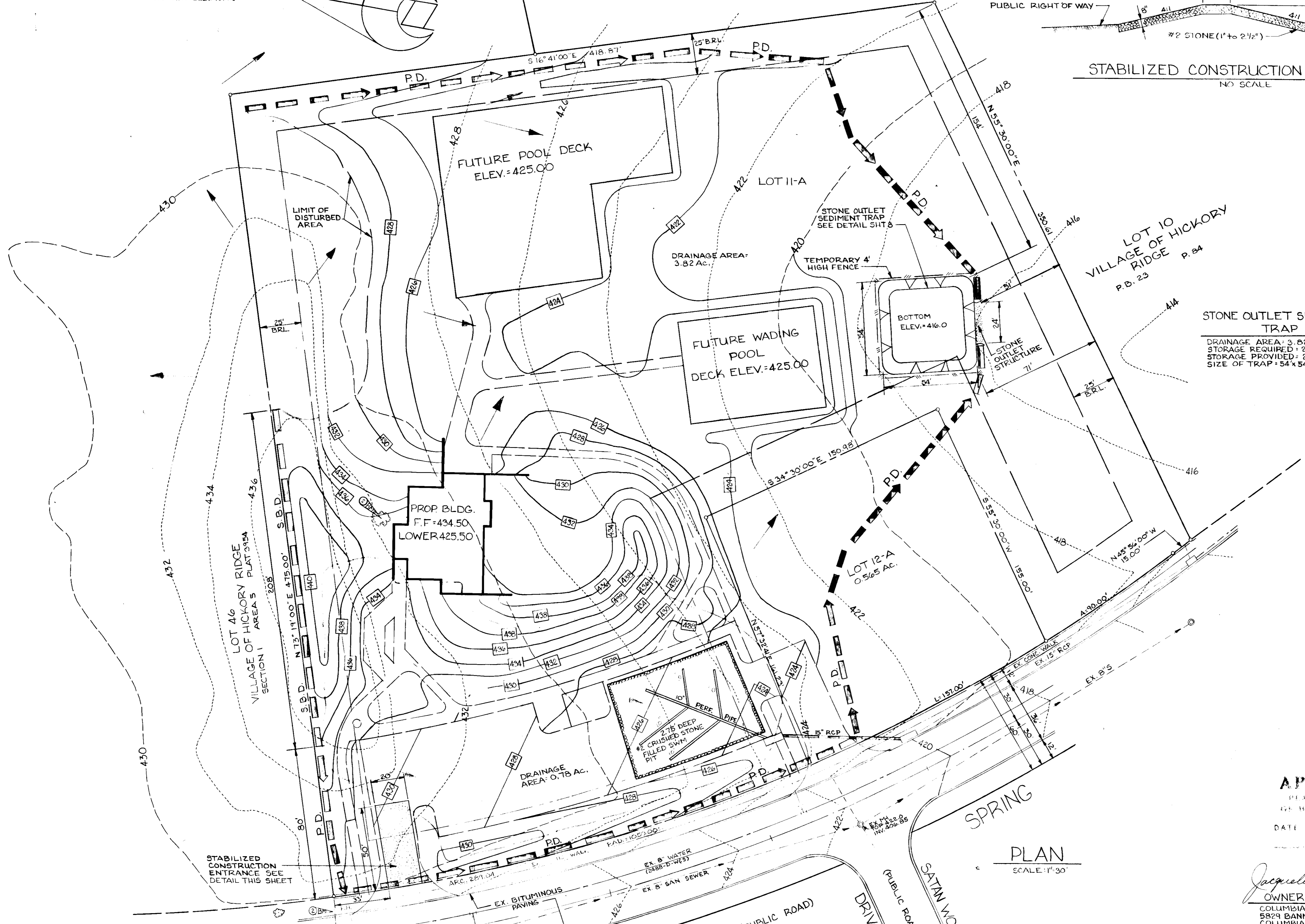
COLUMBIA PHONE (301) 774-0664

DEVELOPER'S CERTIFICATION
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC INSPECTION BY HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER'S SIGNATURE _____ DATE _____

ENGINEER'S CERTIFICATION
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER _____ DATE 7-27-79 (X11)



PLAN
SCALE: 1" = 30'

SOIL EROSION AND SEDIMENT CONTROL NOTES

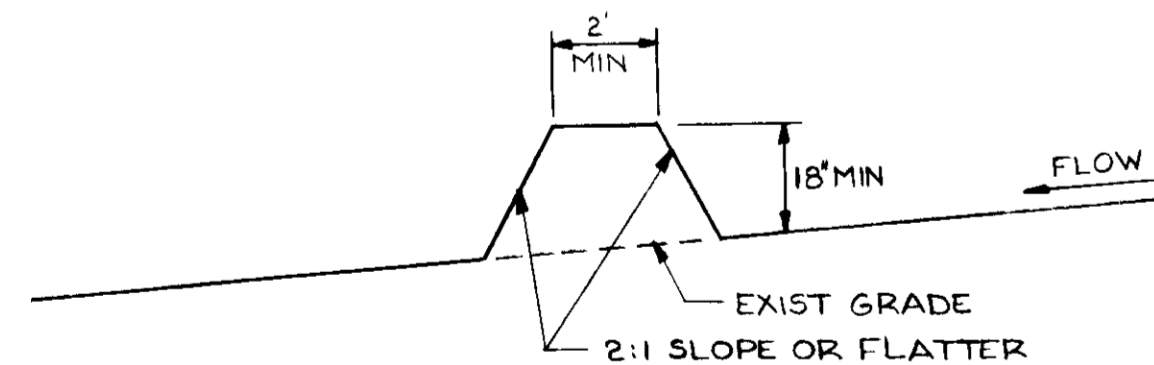
- All soil erosion and sediment control measures shall be constructed prior to any other site disturbance.
- All sediment control measures shall remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits, Phone 992-2435.
- Notify the Bureau of Inspections and Permits at least 24 hours before the start of any work, Phone 992-2435.
- Continued inspection and maintenance shall be the responsibility of the developer.
- All sediment control measures shall conform to "The Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas" and as shown and detailed on these plans. Seed or sod all exposed soil in grassed areas within 72 hours of grading to finished grade in accordance with Howard Soil Conservation District Standards and Specifications and these notes.
- Temporary seeding
 - Ground Limestone - 3500 Lbs./Ac. worked into top 3" of soil.
 - Fertilizer - 1300 Lbs./Ac. 10-10-10
 - Mulch - 3000 Lbs./Ac. straw (wheat preferred)
 - Seed - 40 Lbs./Ac. rye grass
 - Binder - Asphalt spray @ rate of 1 gal./1000 sq. ft.
 - Alternate - Hydro seed fertilizer, seed and mulch using "Tur-Fiber" or approved equal.
- Permanent seeding
 - Ground Limestone - 2000 Lbs./Ac. worked into top 3" of soil.
 - Fertilizer - 1300 Lbs./Ac. 10-10-10
 - Seed - 90% Kentucky 31 tall fescue
8% Rye grass
2% Merion blue grass
 - Seeding Rate - 150 Lbs./Ac.
 - Binder - Asphalt spray of mulch @ rate of 1 gal./1000 sq. ft.
 - Alternate - Hydro seed fertilizer, seed and binder using "Tur-Fiber" or approved equal.
- No slopes shall be steeper than 3:1

SODDING NOTES

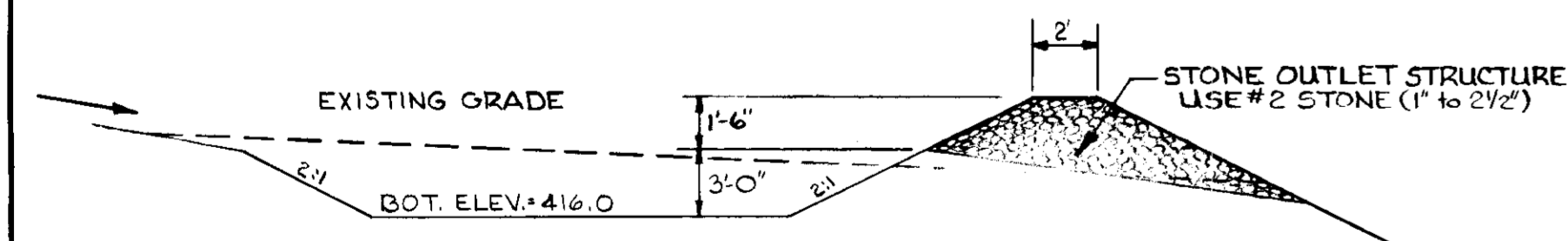
- Apply 10-10-10 fertilizer @ 1000 Lbs./Ac. (25 Lbs./1000 sq. ft.).
- Apply ground agricultural limestone @ 2000 Lbs./Ac. (50 Lbs./1000 sq. ft.).
- Incorporate both lime and fertilizer into soil by disking; firm up after incorporation.
- Lay sod to a tight fit, roll to ensure contact with underlying soil.
- Water as necessary for first two weeks to ensure establishment.

SEQUENCE OF CONSTRUCTION

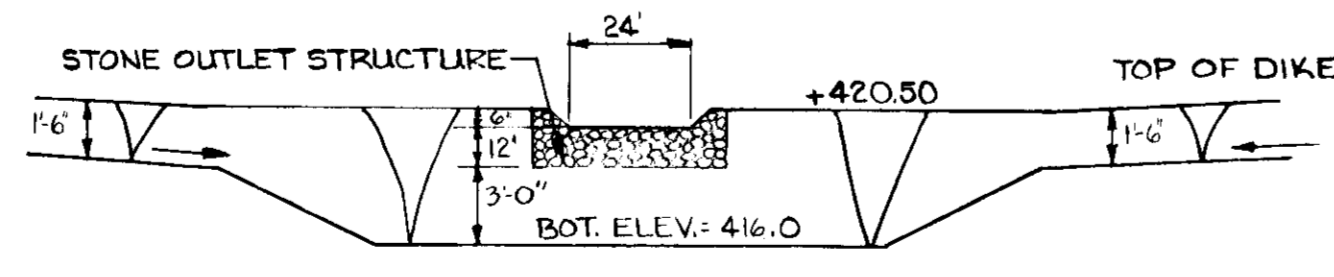
- Obtain building permit.
- Construct and maintain all soil erosion and sediment control structures prior to any other site disturbance.
- Proceed with site grading and building construction.
- Construct storm water management stone bed as shown on these plans.
- As various areas are brought to final grade, place top soil, seed or sod grassed areas and pave parking area, all in conformance with these plans and the "Soil Erosion and Sediment Control Notes".
- Upon completion of the fine grading stabilization of the site, all sediment control structures shall be removed.



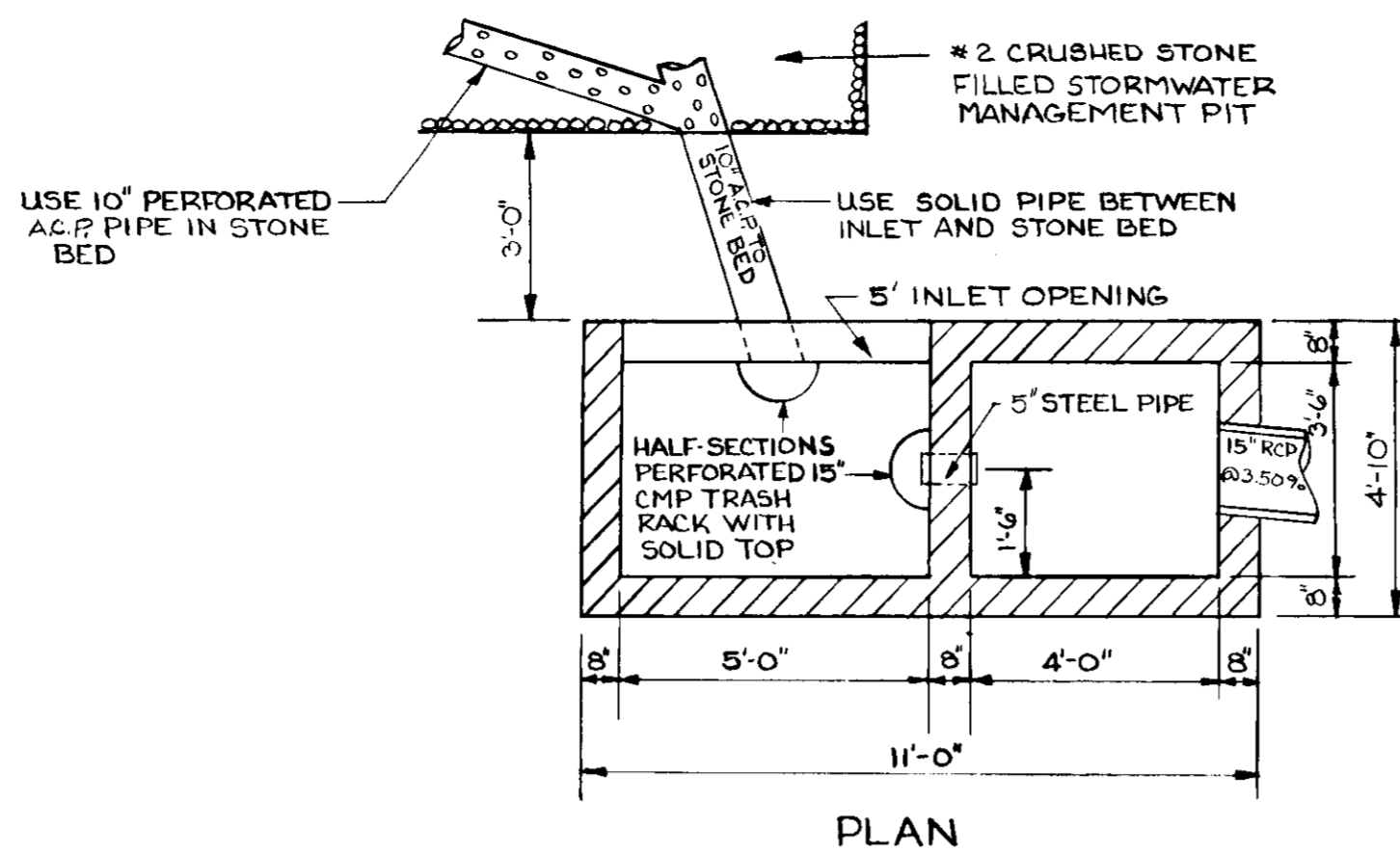
PERIMETER DIKE
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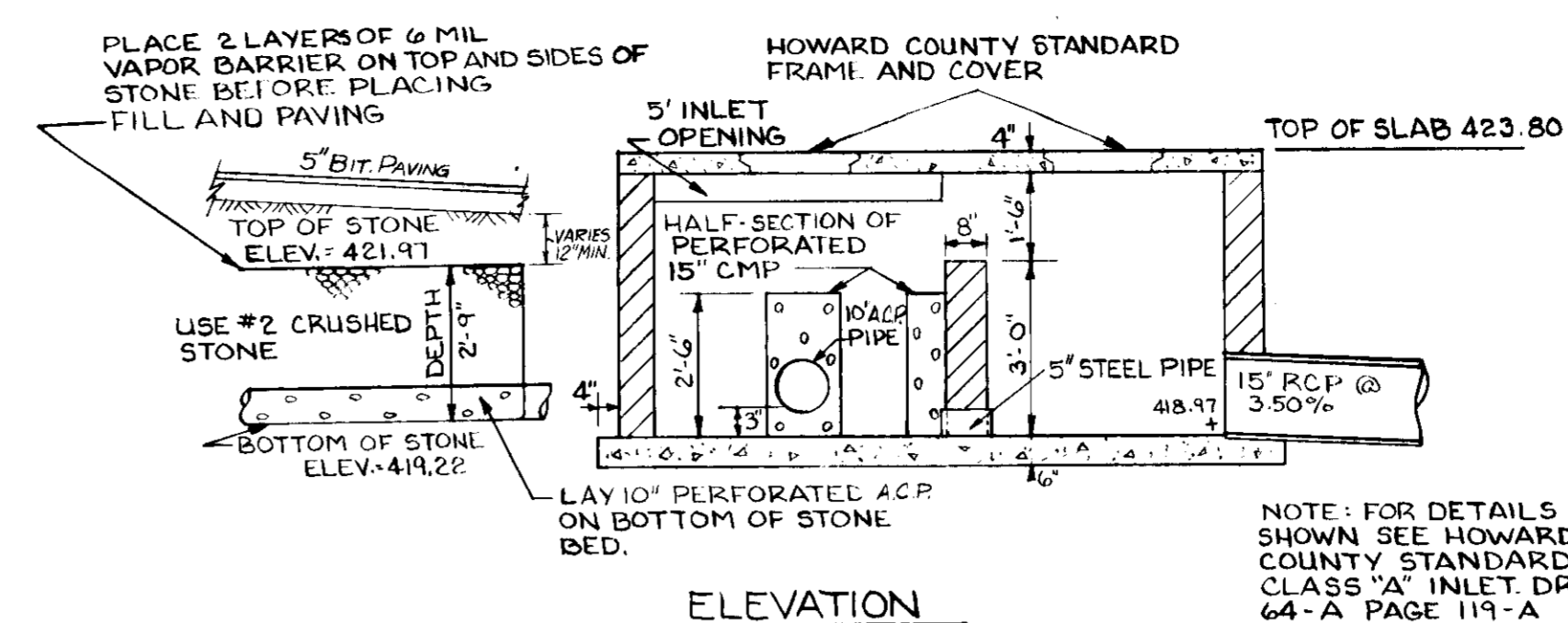
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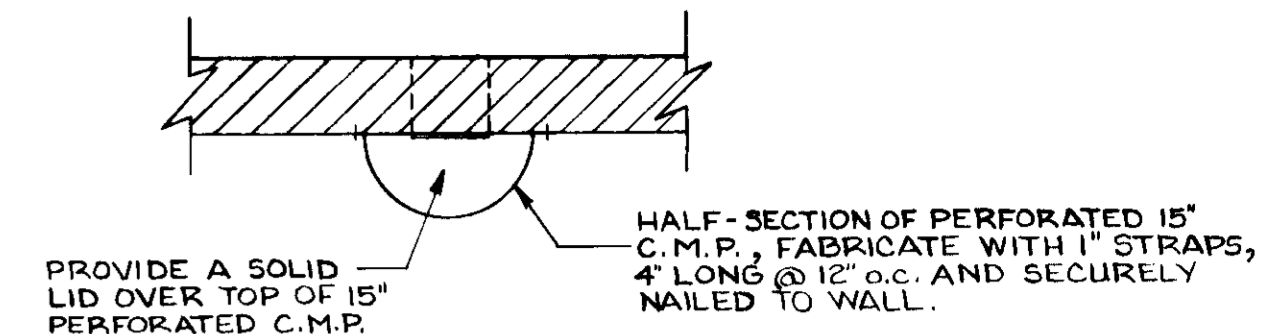
SECTION "B" "B"



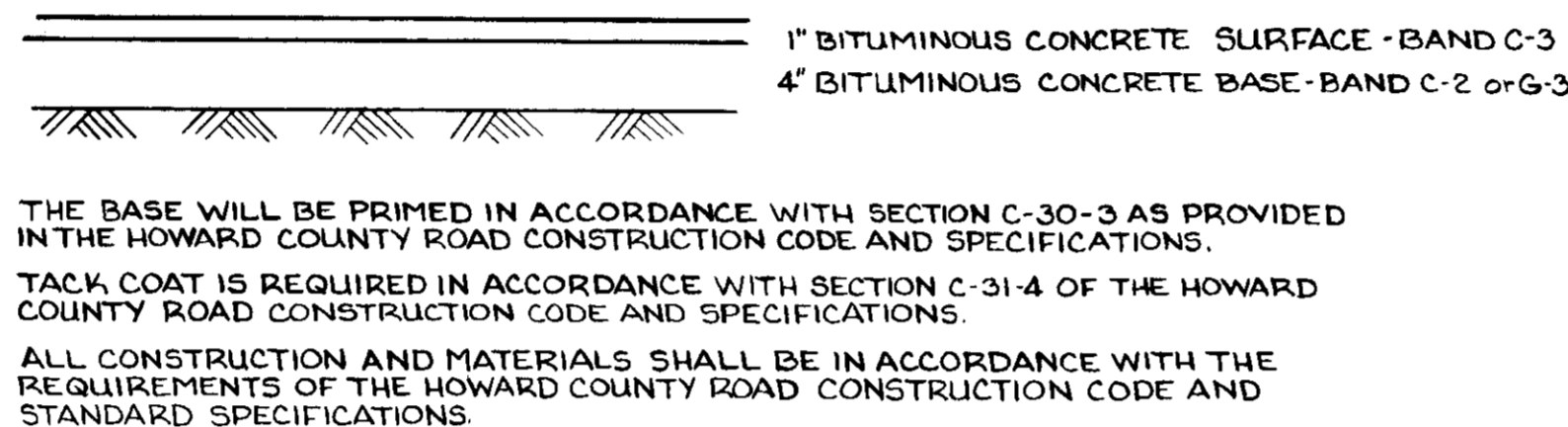
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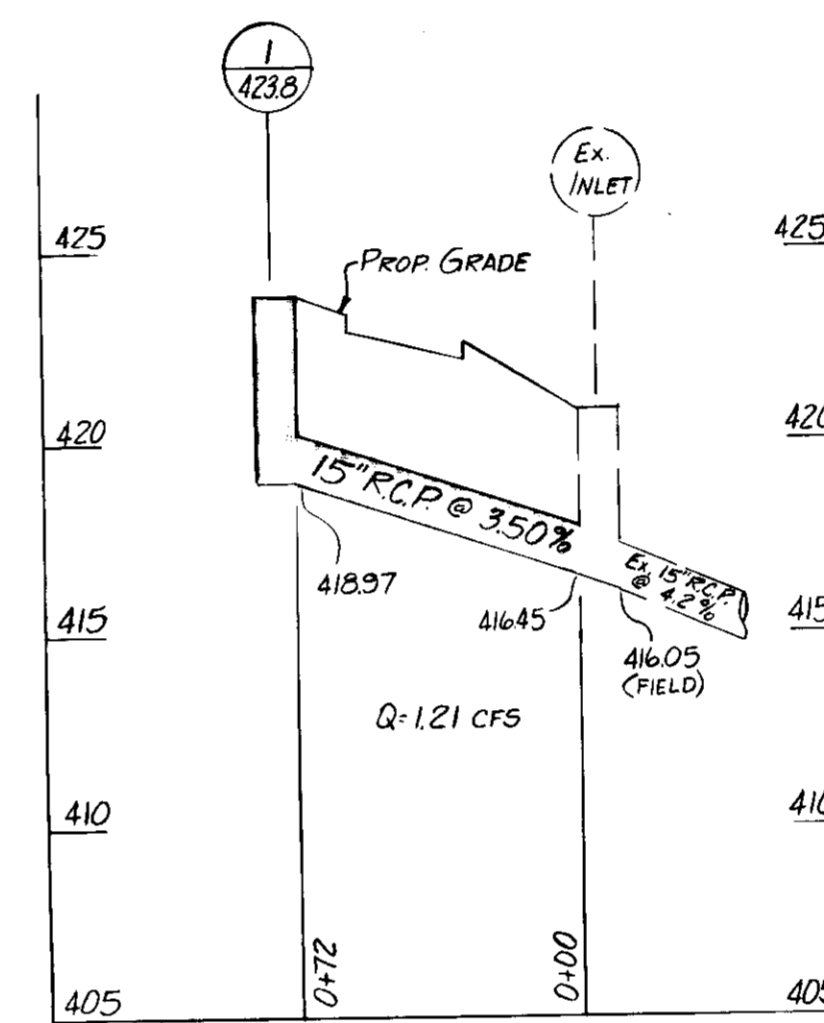
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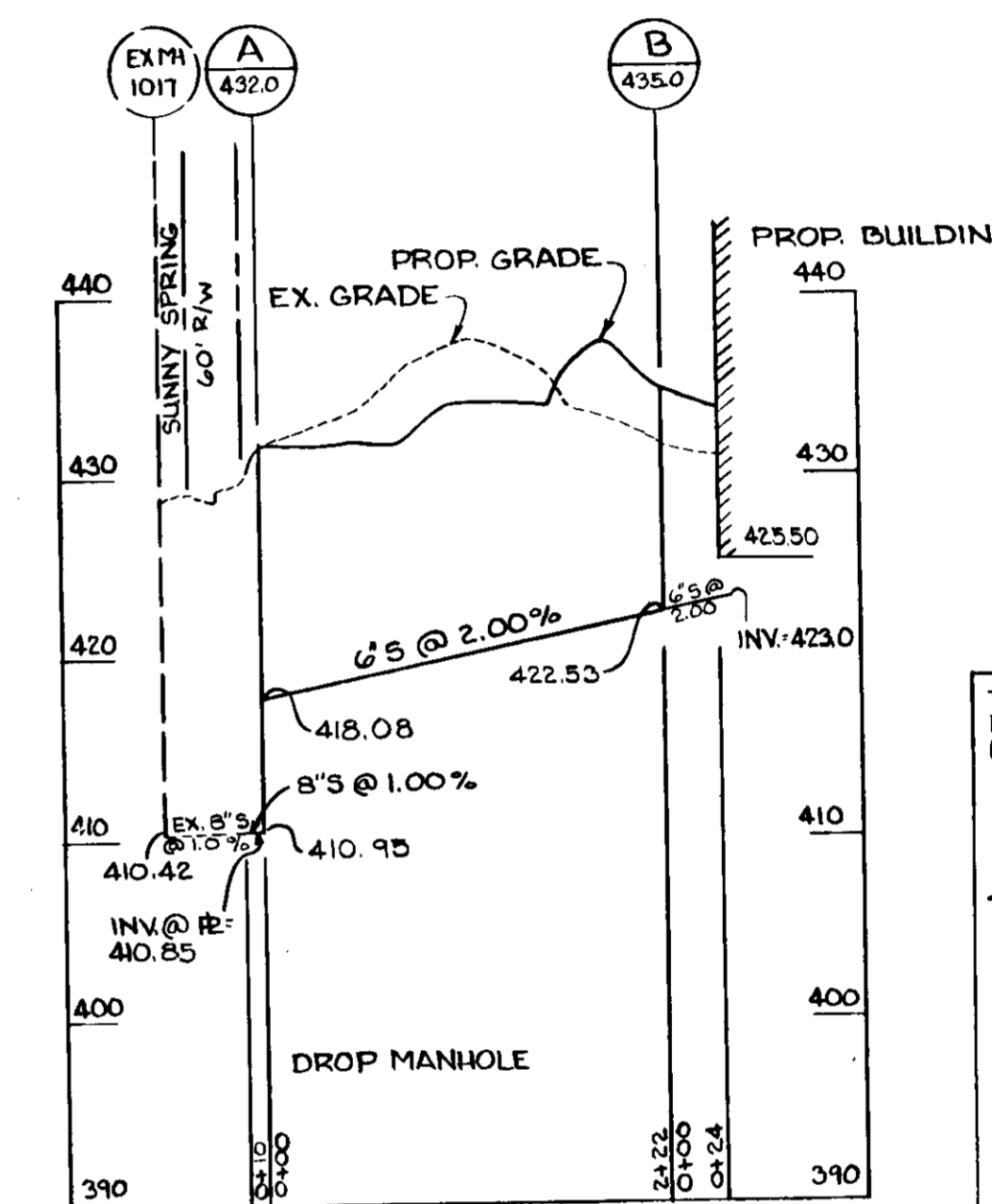
TRASH RACK DETAIL
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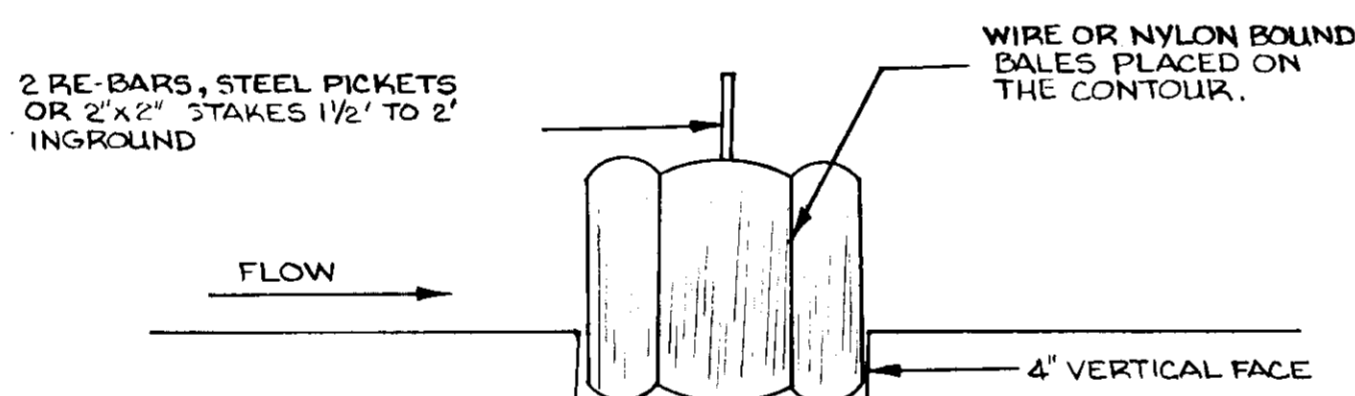
5" BITUMINOUS PAVING DETAIL
NO SCALE



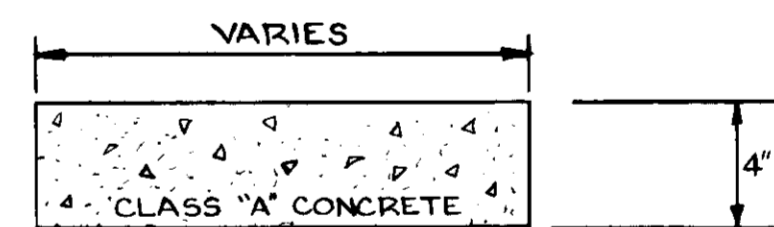
STORM DRAIN PROFILE



SEWER PROFILE



STRAW BALE EMBEDDED DETAIL
NO SCALE



STANDARD CONCRETE DETAIL
NO SCALE

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 9-26-79

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

Sam J. Becken 2-27-80
SIGNATURE DATE
U.S. SOIL CONSERVATION SERVICE TITLE

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

John J. Rowe 2-27-80
SIGNATURE DATE
HOWARD S.C.D. TITLE

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

John J. Rowe 3-10-80
SIGNATURE DATE
HEALTH DEPARTMENT TITLE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
William G. Hamer 3-12-80
SIGNATURE DATE
PLANNING DIRECTOR TITLE

William G. Hamer 3-16-80
SIGNATURE DATE
PLANNING DIRECTOR TITLE

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

John F. Hamer 3-17-80
SIGNATURE DATE
DIRECTOR TITLE
William G. Hamer 3-16-80
SIGNATURE DATE
PLANNING DIRECTOR TITLE

SITE DEVELOPMENT PLAN
HAWTHORN COMMUNITY CENTER
LOT II-A COLUMBIA
VILLAGE OF HICKORY RIDGE
SECTION: AREA 1 PLAT 4247 TAX MAP 35
5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

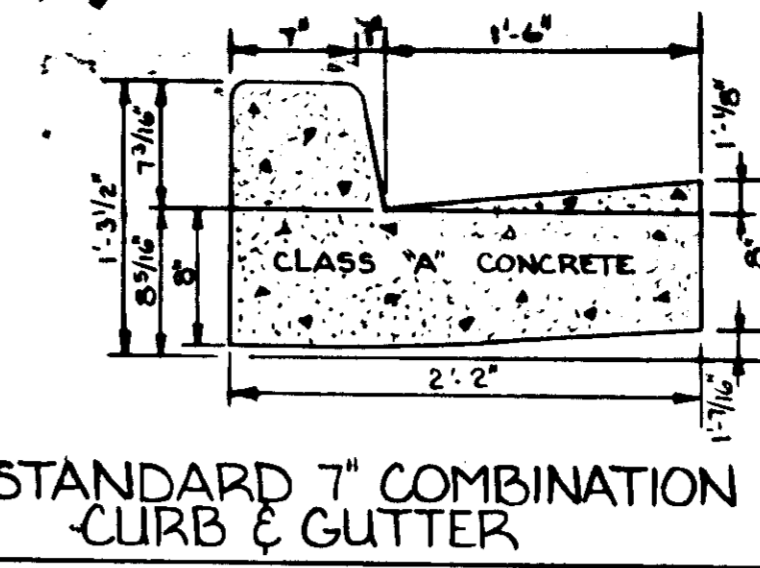
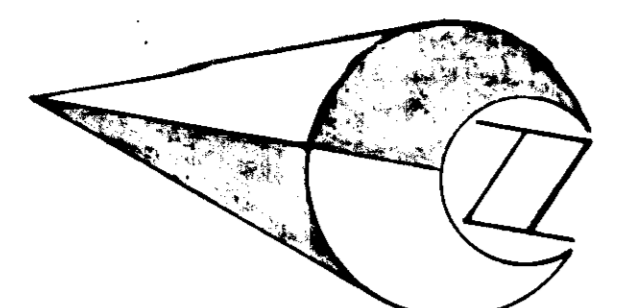
REVISIONS			SCALE	DRAWN
NO.	DATE	BY		
			AS SHOWN	

MACRIS, HENDRICKS AND WITMER P.A.
ENGINEERS SURVEYORS
SUITE 206
15209 FREDERICK ROAD
ROCKVILLE, MD. 20850
(301) 774-0664

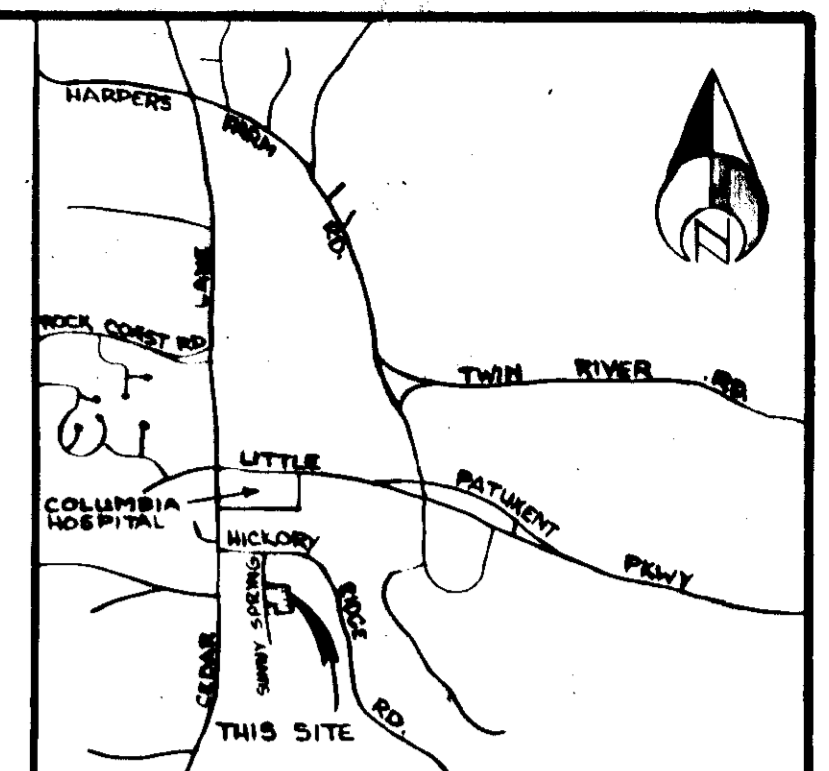
CHECKED	DATE	JOB NO.
DRAWING NO.	DATE	

BENCHMARK SCHEDULE

B.M. #1 R.R. SPIKE IN 3/4" CHERRY TREE - ELEV. 434.65
 B.M. #2 BONNET BOLT N.E. CORNER - FIRE HYDRANT - ELEV. 431.23



NOTE: FOR DETAIL NOT SHOWN
 SEE HOWARD COUNTY STANDARD
 CLASS "A" INLET DRAWING D-40
 PAGE 95.



VICINITY MAP
 SCALE: 1" = 200'

LEGEND

- EXISTING CONTOUR ——— 420
- PROPOSED CONTOUR ——— 425
- PROP. BITUMINOUS PAVING (5") [Symbol]
- PROP. CONCRETE WALK (4") [Symbol]
- PROP. CONCRETE CURB & GUTTER [Symbol]
- PROP. BITUMINOUS CURB & GUTTER [Symbol]

SITE ANALYSIS

ZONING - OPEN SPACE - FDP-100A-1
 DEED REFERENCE - LOT II-A COLUMBIA PLAT 4247
 TOTAL AREA = 4.209 AC.
 TOTAL DISTURBED AREA = 3.66 AC.
 TOTAL BUILDING COVERAGE = 3260 SQ. FT.
 PERCENTAGE OF BUILDING COVERAGE = 11.7%

PARKING SCHEDULE

PARKING REQUIRED - SEE SECTION 123, B, 2b, (15)
 OF THE 1977 ZONING REGULATION
 PARKING PROVIDED - 38 SPACES
 HANDICAPPED PARKING (10'x20') - 2 SPACES
 TYPICAL PARKING (10'x20') - 36 SPACES

NOTE: EACH HANDICAPPED SPACE SHALL BE
 MARKED WITH A SIGN IN ACCORDANCE WITH
 THE MARYLAND STATE BUILDING CODE FOR
 THE HANDICAPPED AND THE AGED.

STORM WATER MANAGEMENT FOR 0.76 ACRES IS PROVIDED ON
 THIS PLAN. STORM WATER MANAGEMENT FOR THE REMAINDER
 OF THE LOT WILL BE PROVIDED WHEN THE REMAINDER OF THE
 SITE IS DEVELOPED.

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY

DATE 9-26-79
 [Signature]

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

[Signature] COUNTY HEALTH OFFICER 3-1-80 DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND
 ZONING

[Signature] PLANNING DIRECTOR 3-12-80 DATE

[Signature] CHIEF DIVISION OF LAND DEVELOPMENT 3-11-80 DATE

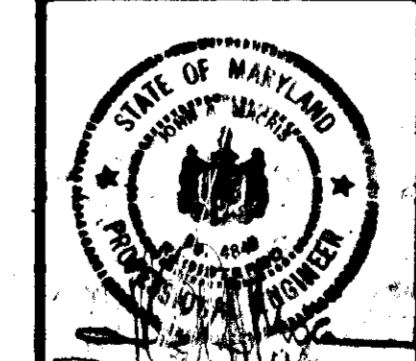
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC
 WORKS

[Signature] DIRECTOR 3-7-80 DATE
 [Signature] CHIEF BUREAU OF ENGINEERING 3-7-80 DATE

NOTE: REMOVE EXISTING CURB & WALK TO
 NEAREST JOINT AS NECESSARY TO CONSTRUCT
 ENTRANCES AND STORM DRAIN PIPE.

- 10 - ACER ROBURUM RED MAPLE 2'-2 1/2" CAL. 10'-12" HT.
- 23 - PINUS STROBUS WHITE PINE 6'-8' HT.
- 6 - MALUS KATHERINE CRAB 2'-2 1/2" CAL. 8'-10" HT.
- 7 - QUERCUS PALUSTRIS PIN OAK 2'-2 1/2" CAL. 10'-12" HT.

[Signature] OWNER/DEVELOPER
 COLUMBIA ASSOCIATION
 5624 BANNER ROAD
 COLUMBIA, MARYLAND 21044
 PHONE: 991-0250



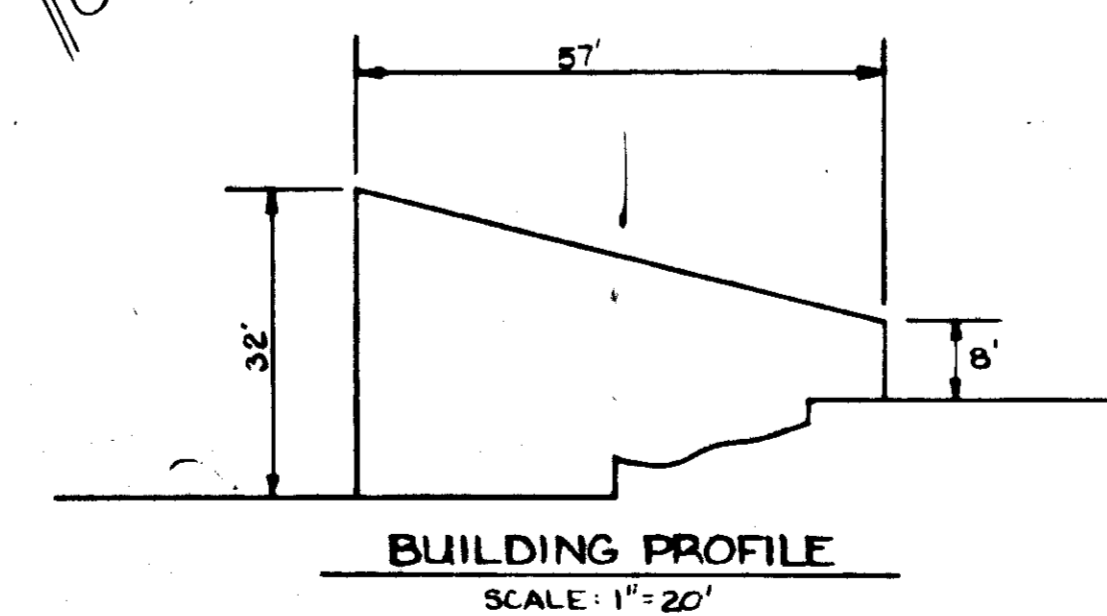
SITE DEVELOPMENT PLAN
HAWTHORN COMMUNITY CENTER
 LOT II-A COLUMBIA
 VILLAGE OF HICKORY RIDGE
 SECTION I AREA I PLAT 4247 TAX MAP 35
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND.

REVISIONS		
NO.	DATE	BY

MACRIS, HENDRICKS AND WITMER P.A.
 ENGINEERS - SURVEYORS

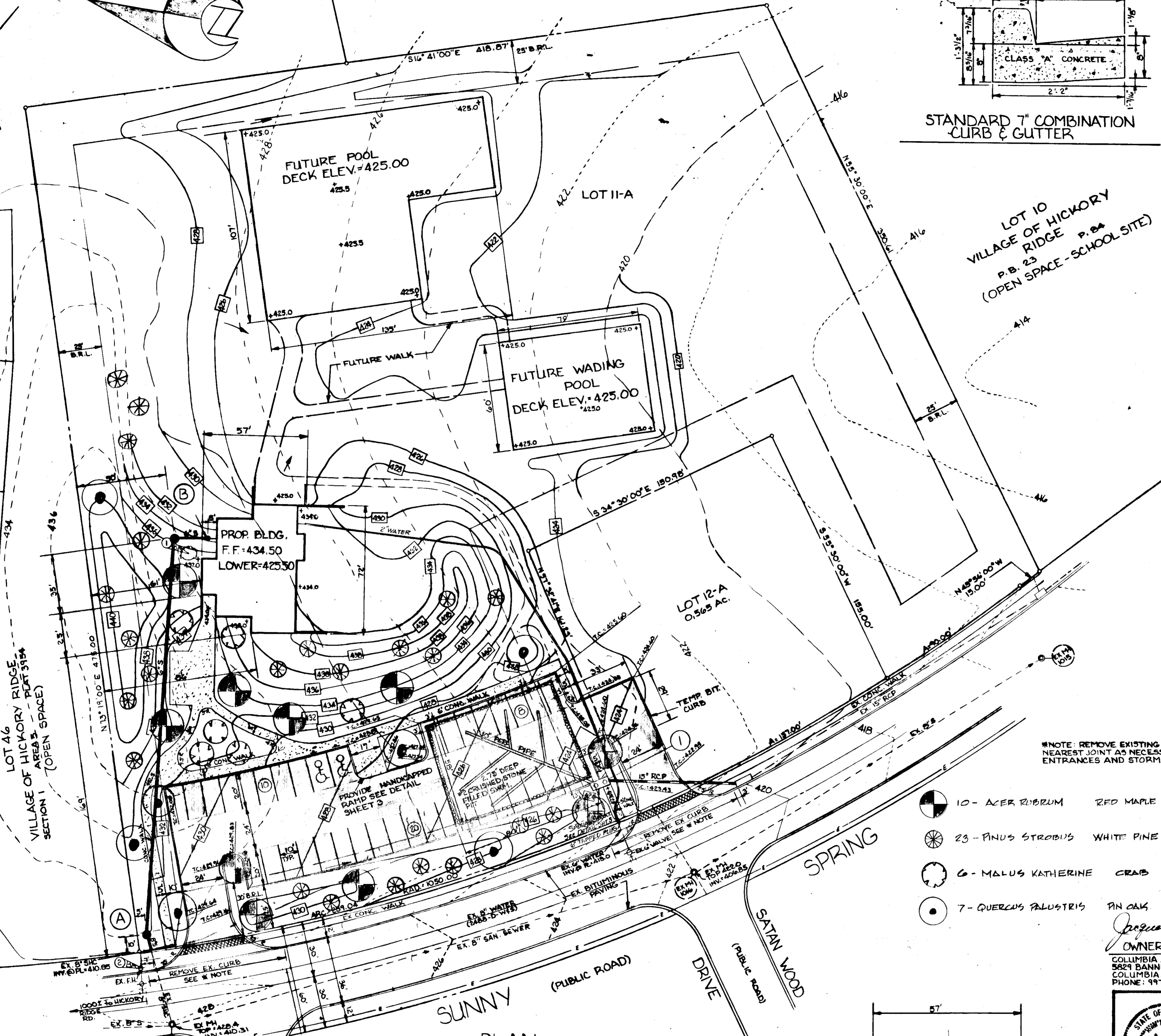
SUITE 206
 15209 FREDERICK ROAD
 ROCKVILLE, MD 20850
 (301) 340-8705

SCALE	DRAWN
1" = 30'	A.P.C.
CHECKED	DATE
J.C.G.	7-11-79
JOB NO.	78-123
DRAWING NO.	4 OF 4



BUILDING PROFILE
 SCALE: 1" = 20'

PLAN
 SCALE: 1" = 30'



Call "MISS UTILITY"
 Telephone 559-0100
 For utility locations
 at least 48 hours before
 starting construction