

Site Analysis

A. Area of Parcel B-3: 15.378 Acres +/- 699,866 S.F. +/-

B. Zoning: POR see P.B Case No. 142

C. Floor Area:

1. Multi-Story Housing:	90,000 S.F.
In Three Levels	
2. Community Center:	30,000 S.F.
In Two Levels	
3. Cluster Housing:	40,400 S.F.
On 1 Level, 5 Units	
4. Maintenance	2400 S.F.
On 1 Level	

D. Total Sheltered Housing Units Provided: 160

E. Minimum Floor Area of Sheltered Housing Units:

1. Studio:	490 S.F.
2. One Bedroom:	625 S.F.
3. Two Bedroom Deluxe:	920 S.F.
4. Two Bedroom:	765 S.F.

F. Number of Employees: 18

G. Number of Residents: 160 + 1/3 = 213

H. Multi-Story Housing Units:

Studio	12
Two Bedroom Deluxe	18
One Bedroom	68
Two Bedroom	6

Cluster Housing Units:

Studio	6
One Bedroom	20
Two Bedroom Deluxe	13
Two Bedroom	17

I. Parking

Required Spaces:

Phase I Housing:	160 Units @ 1 Space / 2.5 Units = 64 Spaces
Existing Nursing Home:	90 Beds @ 1 Space / 3.0 Beds = 30 Spaces
25 Staff @ 1 Space / 2.0 Staff Members	= 13 Spaces
Add	2 Handicapped
Total Required:	109 Required

Spaces Provided:

Existing Spaces @ Nursing Home:	65 Regular
	3 Handicapped
Proposed Spaces @ Nursing Home:	17 Regular
	4 Handicapped
Proposed Spaces, Phase I Housing:	78 Covered
	109 Uncovered
Total Provided:	272 Spaces

J. Paved Areas: 426 Acres, 28%

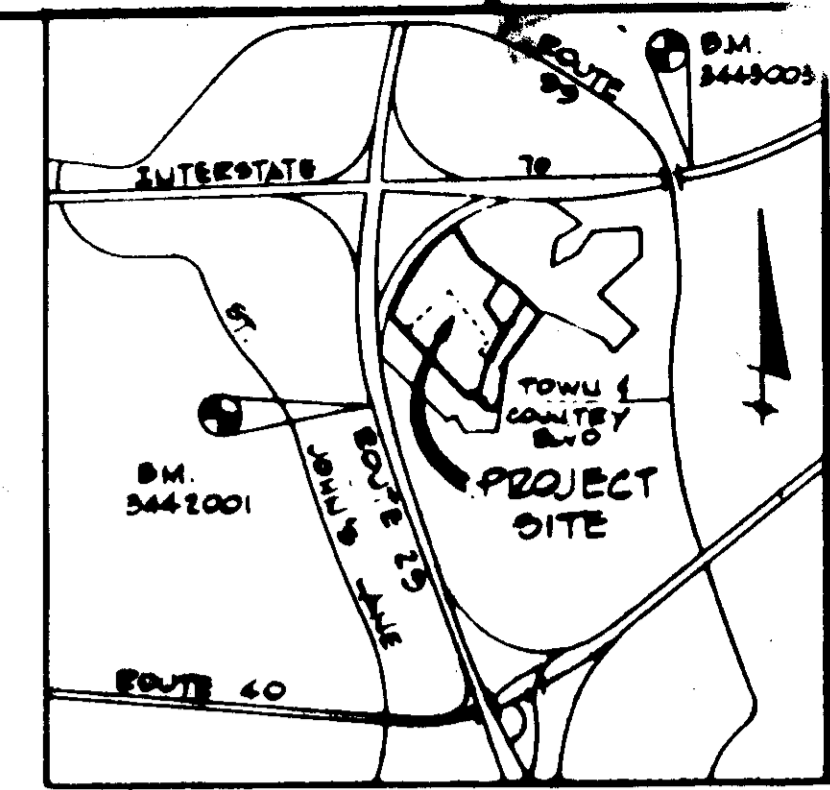
K. Building Coverage: 106,210 S.F. (2.44 Acres) 10%

L. Parking Lots: Total Area: 808 Acres

Landscaped Islands: 258 Acres (19% of Parking Lot Area)

DRAWING INDEX

NO.	TITLE
1	Cover Sheet and Drainage Area Map
2	Site Plan
3	Site Layout and Cottage Utility Connection Plan
4	Planting Plan
5	Storm Drain Profiles
6	Private Sanitary Sewer and Water Main Profiles, Building Elevations
7	Site Details
8	Demolition and Sediment Control Plan



General Notes

- All materials and construction to be in accordance with Howard County Design Manual IV, Standard Specifications and Details for Construction.
- Any damage to county owned rights-of-way shall be corrected at the developers expense.
- Topography was compiled from aerial photography supported by actual field survey provided by Purdon & Jeschke, Consulting Engineers.
- All driveway and parking areas to be privately owned and maintained.
- All coordinates are based on Howard County 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.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevation of the 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 hours in advance of commencement of work at 992-2417 or 792-7272.
- All downspout drains shall be handled by one of the following methods:
 - Downspouts to splash blocks and discharged to ground having good percolation.
 - Downspout in front of units piped to curb.
 - Downspout connected to storm drain.
- Handicapped parking signs shown thus: shall be placed in approximate location shown in plan accordance with the "Maryland Building Code for the Handicapped" Section 5.01 - 1.05.
- All sewer mains shall be C.S.P.X., V.C.P.X., P.V.C. or A.C.P. class 2,400 unless otherwise noted.
- All water mains 3" and larger are to be C.I.P. or D.I.F. All mains and service connections less than 3" diameter are to be copper in accordance with Howard County Plumbing Code.
- All concrete sidewalks to conform to Howard County Standards.
- Provide one (1) handicapped parking sign for each handicapped parking space as per Maryland Department of Transportation: E7-8 with \$50.00 fine sign to be placed beneath. Center sign in parking space. Bottom of sign to be placed no less than 6' nor more than 10' above the ground. See detail No. 3, Sheet 7.
- Refuse collection will be handled by a private service.
- All turf areas shall be seeded or sodded in accordance with the specifications. The cottage courtyards shall be sodded.

Scope of Work Shown on These Plans

- The work shown on these plans consists of a limited area of submission to revise the construction shown on the Site Development Plan for Parcel B-1, Bon Secours, Howard County Health Park, approved by Howard County, 1984 as SDP 82-75.
- Grading of the private loop road shall be in accordance with Road Profiles on Sheet 18 of 28, SDP 82-75.
- All grading, drainage and utility construction outside of the private loop road, excepting the storm drains below structures 11, SDM3 and 117, shown on these plans, shall be in accordance with SDP 82-75.
- Stormwater management for this project is provided by two existing facilities, included in the Developer Agreement for SDP 82-75.
- Sediment control measures for this project shall be constructed in accordance with sheets SD 4-8 of 28, SDP 82-75 and as shown on Sheet 8, these plans.
- Contractor shall maintain maximum effort to avoid damaging existing paving and utilities constructed in conjunction with the nursing home.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 3-26-86
M/L/P

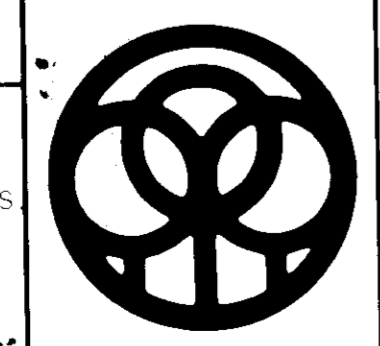
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Jayen Boyd 3-26-86
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR
Thomas J. Hanifan 3-27-86
DATE

CHIEF OF LAND DEV. AND ZONING ADMIN.
John P. Damm 3-27-86
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Henry F. Nemy 3-28-86
DATE

CHIEF BUREAU OF ENGINEERING
Thomas J. Hanifan 3-28-86
DATE



DAFT McCune Walker Inc.
LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS & SURVEYORS
200 E. PENNSYLVANIA AVE
TOWSON, MD 21286
TELEPHONE: (301) 296-1333



NO.	DATE	REVISIONS
1	4/3/86	REVISE STREET ADDRESS
2	5/10/86	DELETE CO. 516

Address Chart
2004 NORTH RIDGE ROAD BUILDINGS 1-20

OWNER:
BON SECOURS HOSPITAL
2000 W. BALTIMORE ST.
BALTIMORE, MD. 21223

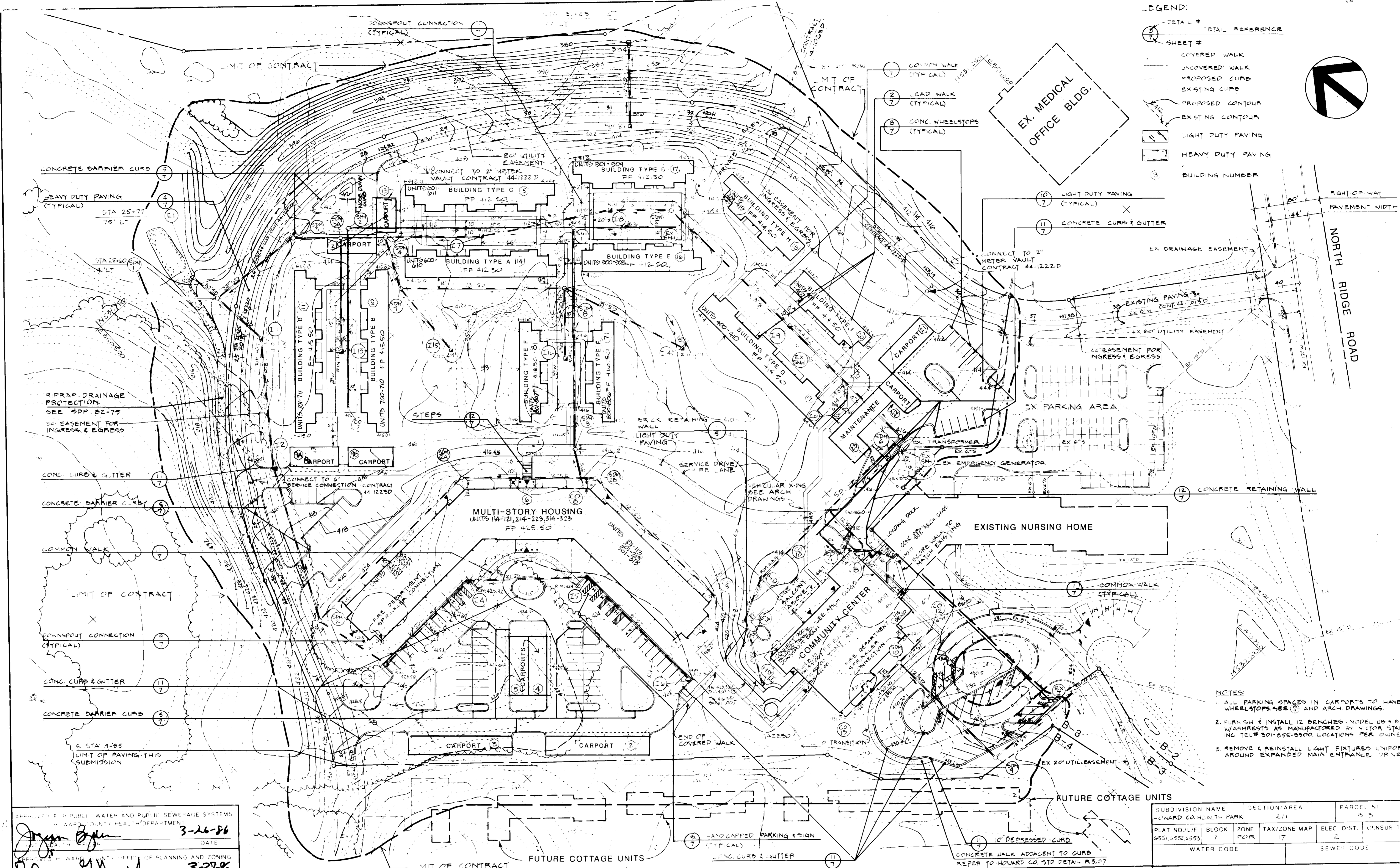
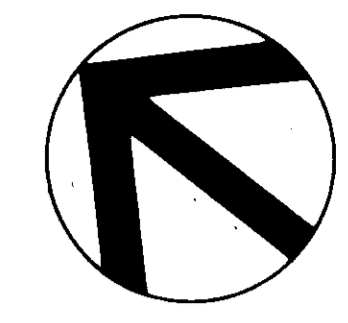
DEVELOPER:
THE HENRY J. KNOTT DEVELOPMENT CO.
2850 N. CHARLES ST.
BALTIMORE, MD. 21218

REVISIONS TO SDP 82-75

SUBDIVISION NAME	SECTION AREA	PARCEL NO.
HOWARD CO HEALTH PARK	2/1	1
PLAT NO. LIF	BLOCK	ZONE
G501 G552 G553	17	POR
TAX ZONE MAP	ELEC. DIST.	CENSUS TRACT
	7	60210
WATER CODE	NEW	
H02	1454500	

COVER SHEET & DRAINAGE AREA MAP
BON SECOURS HEARTLANDS
PHASE 1 HOUSING
HOWARD COUNTY, MARYLAND
SCALE: 1"=400'
SHEET 1 OF 8
JOB NO. 81015 G
2nd ELECTION DISTRICT
ISSUE DATE: DECEMBER 2, 1985
SDP-86-142

- LEGEND:**
- ① DETAIL #
 - ② EARTH REFERENCE
 - ③ SHEET #
 - ④ COVERED WALK
 - ⑤ UNCOVERED WALK
 - ⑥ PROPOSED CURB
 - ⑦ EXISTING CURB
 - ⑧ PROPOSED CONTOUR
 - ⑨ EXISTING CONTOUR
 - ⑩ LIGHT DUTY PAVING
 - ⑪ HEAVY DUTY PAVING
 - ⑫ BUILDING NUMBER



- NOTES:**
1. ALL PARKING SPACES IN CARPORTS TO HAVE WHEELSTOPS. SEE (7) AND ARCH DRAWINGS.
 2. FURNISH & INSTALL 12 BENCHES - MODEL UB 318 W/ARMRESTS AS MANUFACTURED BY VICTOR STANLEY, INC. TEL # 301-855-8900. LOCATIONS PER OWNER.
 3. REMOVE & REINSTALL LIGHT FIXTURES UNIFORMLY AROUND EXPANDED MAIN ENTRANCE DRIVE.

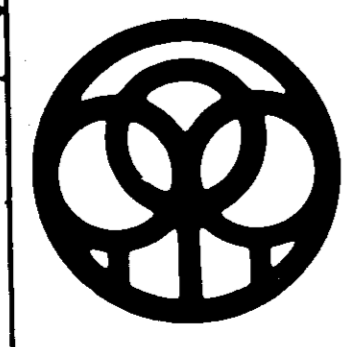
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
Gregory J. Byrne 3-26-86
 DATE

APPROVED FOR WARD COUNTY DEPT. OF PLANNING AND ZONING
 PLANNING DIRECTOR
Thomas J. Smith 3-27-86
 DATE

APPROVED FOR WARD COUNTY DEPT. OF PLANNING AND ZONING
 CHIEF DIV. OF LAND DEV. AND ZONING ADMIN.
John J. Davis 3-22-86
 DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Wayne F. Nemy 3-24-86
 DATE

APPROVED FOR WARD COUNTY DEPT. OF PLANNING AND ZONING
 CHIEF, BUREAU OF ENGINEERING
William J. Kelly 3-24-86
 DATE



DAFT McCUNE WALKER INC.
 AND PLANNING CONSULTANTS
 ARCHITECTS AND ENGINEERS
 1001 W. BOWEN AVE.
 BALTIMORE, MD. 21204
 TELEPHONE: (410) 286-1100



- REVISIONS:
- | | | |
|---|----------|--|
| 1 | 4/3/86 | ADD UNIT NUMBERS TO BLDGS. 6-8, 10-11, 14-20. |
| 2 | 5/10/86 | DELETE CO. S. G. O. (SM) 4, CONC. PADS |
| 3 | 11/19/86 | ADD MAINTENANCE ELEVATOR MAIN CONC. & REV. 50 FROM 15' TO 12' 6" TO BE IN LINE |
| 4 | 6/29/87 | PER COMMUNITY CENTER WATER CONNECTION |
| 5 | 5/20/87 | REV. HANDICAPPED PARKING LAYOUT |

Address Chart
APPROVED
 PLANNING BOARD
 DEPARTMENT OF CITY
 3-26-86
 M. J. Kelly

OWNER:
 BON SECOURS HOSPITAL
 2000 W. BALTIMORE ST.
 BALTIMORE, MD. 21223

DEVELOPER:
 THE HENRY J. KNOTT DEVELOPMENT CO.
 2850 N. CHARLES ST.
 BALTIMORE, MD. 21218

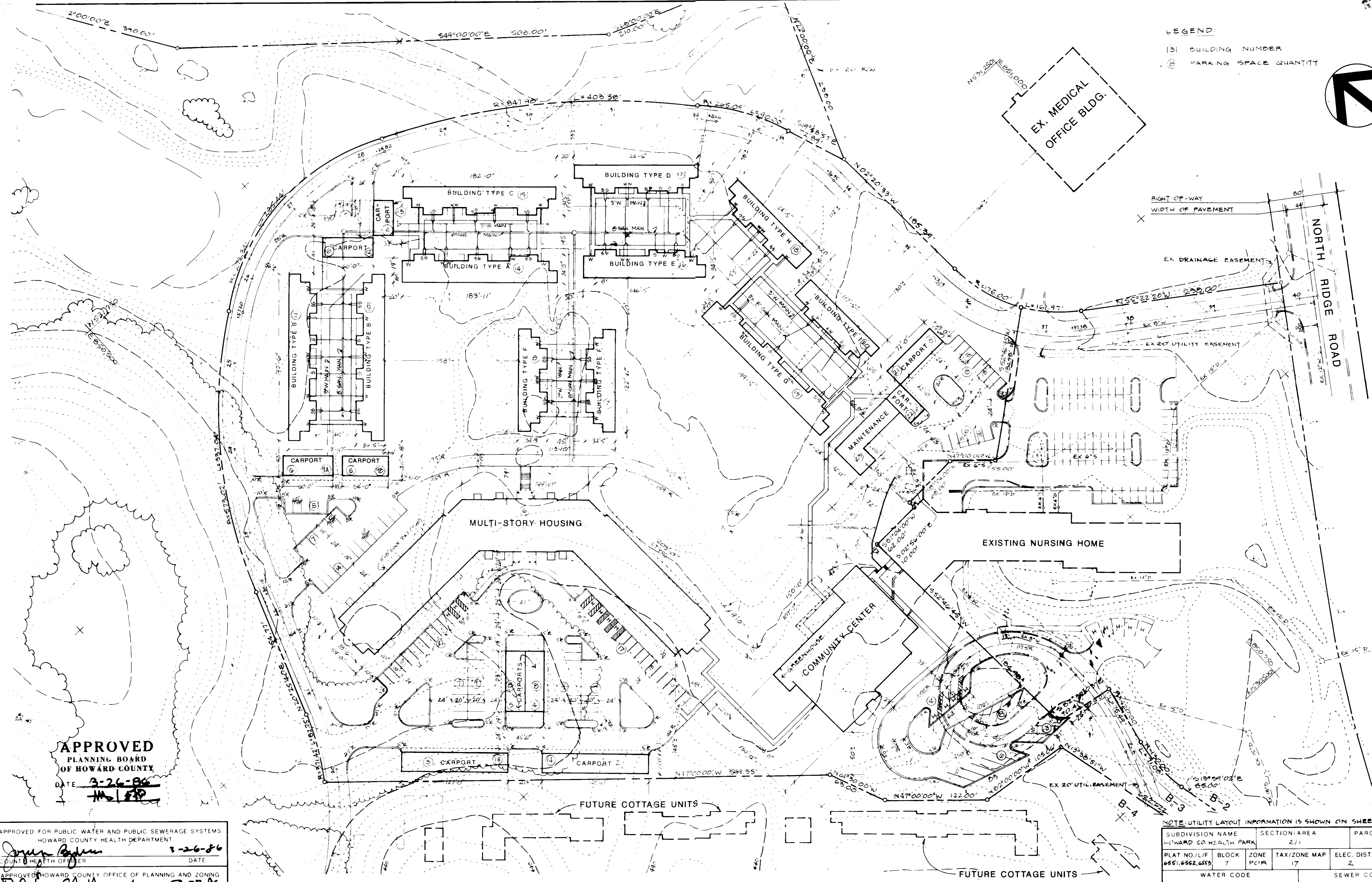
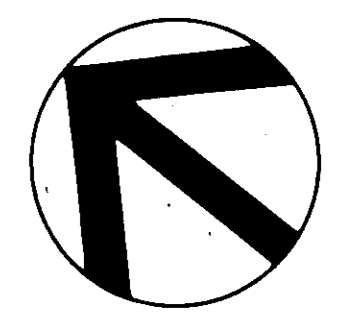
SUBDIVISION NAME		SECTION/AREA		PARCEL NO.	
HOWARD CO. HEALTH PARK		2/1		5 3	
PLAT NO./L/F	BLOCK	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TRACT
6551/6552/6553	7	PCR	17	2	
WATER CODE			SEWER CODE		

SITE PLAN
BON SECOURS HEARTLANDS
PHASE 1 HOUSING

HOWARD COUNTY, MARYLAND JOB NO. 81015-G
 2nd ELECTION DISTRICT
 SCALE: 1"=50'
 SHEET 2 OF 8 - ISSUE DATE: DECEMBER 2, 1985

SDP-86-142

LEGEND:
 (B) BUILDING NUMBER
 (C) PARKING SPACE QUANTITY

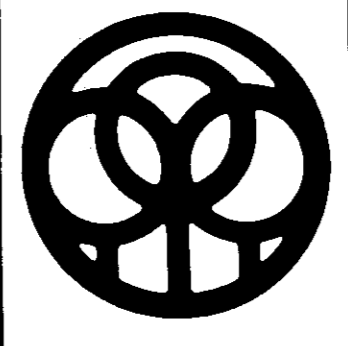


APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 3-26-86
 [Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 3-26-86
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 [Signature] 3-27-86
 PLANNING DIRECTOR DATE
 [Signature] 3-27-86
 CHIEF OF LAND DEV. AND ZONING ADMIN DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 3-26-86
 DIRECTOR DATE
 [Signature] 3-26-86
 CHIEF, BUREAU OF ENGINEERING DATE



DAFT · McCUNE · WALKER INC.
 LAND PLANNING CONSULTANTS
 AND ARCHITECTS
 ENGINEERS & SURVEYORS
 301 PENNSYLVANIA AVE
 THURSDAY, MD 21284
 TELEPHONE (301) 296-1111



NO.	DATE	REVISION
1	5-19-86	Revised House Conn.
2	8-20-86	REVISED HANDICAPPED PARKING LAYOUT

Address Chart

OWNER:
 BON SECOURS HOSPITAL
 2000 W. BALTIMORE ST.
 BALTIMORE, MD. 21223

DEVELOPER:
 THE HENRY J. KNOTT DEVELOPMENT CO.
 2850 N. CHARLES ST.
 BALTIMORE, MD. 21218

SUBDIVISION NAME		SECTION/AREA	PARCEL NO.		
HOWARD CO. HEALTH PARK		2/1	8-3		
PLAT NO./L/F	BLOCK	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TRACT
6551,6552,6553	7	P2R	17	2	
WATER CODE			SEWER CODE		

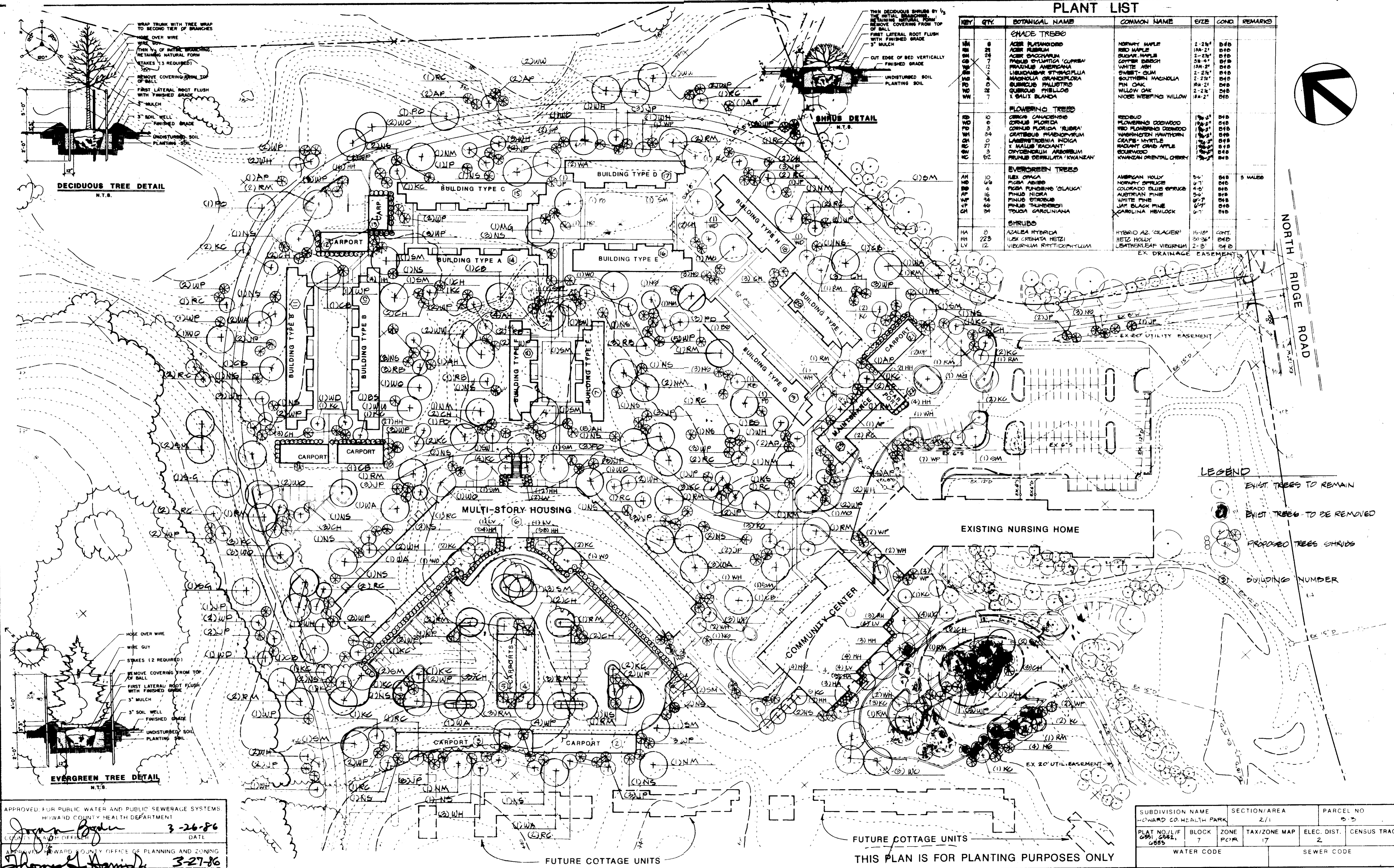
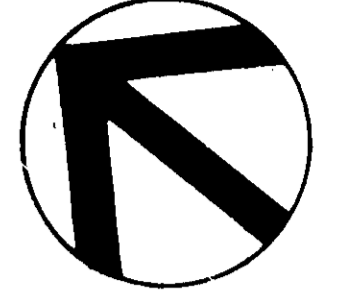
**SITE LAYOUT AND
 COTTAGE UTILITY CONNECTION PLAN
 BON SECOURS HEARTLANDS
 PHASE 1 HOUSING**

HOWARD COUNTY, MARYLAND JOB NO 81015-G
 SCALE: 1"=50' 2nd ELECTION DISTRICT
 SHEET 3 OF 8 ISSUE DATE DECEMBER 2, 1985

SDP-86-142

PLANT LIST

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	COND.	REMARKS
SHRUB DETAIL						
THIN DECIDUOUS SHRUBS BY 1/2 THE NATURAL BRANCHING. REMOVE COVERING FROM TOP OF BALL. FIRST LATERAL ROOT FLUSH WITH FINISHED GRADE. 3" MULCH. UNDISTURBED SOIL. PLANTING SOIL.						
DECIDUOUS TREE DETAIL						
WRAP TRUNK WITH TREE WRAP TO SECOND TIER OF BRANCHES. HOSE OVER WIRE. WIRE GUY. STAKES (2 REQUIRED). REMOVE COVERING FROM TOP OF BALL. FIRST LATERAL ROOT FLUSH WITH FINISHED GRADE. 3" MULCH. UNDISTURBED SOIL. PLANTING SOIL.						
EVERGREEN TREE DETAIL						
HOSE OVER WIRE. WIRE GUY. STAKES (2 REQUIRED). REMOVE COVERING FROM TOP OF BALL. FIRST LATERAL ROOT FLUSH WITH FINISHED GRADE. 3" MULCH. UNDISTURBED SOIL. PLANTING SOIL.						
SHRUBS						
SH	8	ACER PLATANOIDES	NORWAY MAPLE	2-2 1/2'	D 1/2	
SM	24	ACER RUBRUM	RED MAPLE	1 1/2-2 1/2'	D 1/2	
SM	7	ACER SACCHARINUM	SUGAR MAPLE	2-2 1/2'	D 1/2	
SM	12	FRAXINUS AMERICANA 'COPPER'	COPPER BEECH	2 1/2-4'	D 1/2	
SM	2	FRAXINUS AMERICANA	WHITE ASH	1 1/2-2 1/2'	D 1/2	
SM	0	LEUCODENDRON STRAUCHII	SWEET-OLEUM	2-2 1/2'	D 1/2	
SM	0	QUERCUS GRANDIFLORA	SOUTHERN MAGNOLIA	2 1/2-4'	D 1/2	
SM	22	QUERCUS PALUSTRIS	PIN OAK	2-2 1/2'	D 1/2	
SM	7	QUERCUS PHILLOIDES	WILLOW OAK	2-2 1/2'	D 1/2	
SM	0	Y. SALLY BLANDA	NICE WEeping WILLOW	1 1/2-2 1/2'	D 1/2	
FLOWERING TREES						
FD	0	ORNUS CANADENSIS	REDBUD	1 1/2-2 1/2'	D 1/2	
FD	0	ORNUS FLORIDA	FLOWERING DOGWOOD	1 1/2-2 1/2'	D 1/2	
FD	34	ORNUS FLORIDA 'RUBRA'	RED FLOWERING DOGWOOD	1 1/2-2 1/2'	D 1/2	
FD	0	ORNUS FLORIDA 'FLORIDA'	WASHINGTON HAWTHORN	1 1/2-2 1/2'	D 1/2	
FD	0	LABURNUM ALGECIRUM	CREPE MYRTLE	1 1/2-2 1/2'	D 1/2	
FD	27	Y. NALLUS 'RADIANT'	RADIANT CRAB APPLE	1 1/2-2 1/2'	D 1/2	
FD	0	CYDORUM ARBOREUM	BOURBON	1 1/2-2 1/2'	D 1/2	
FD	52	FRAXINUS CERNICATA 'KAWANEA'	KAWANEA ORIENTAL CHERRY	1 1/2-2 1/2'	D 1/2	
EVERGREEN TREES						
EH	10	ILEX OPACA	AMERICAN HOLLY	5-6'	D 1/2	5 MALES
EH	0	ORNUS CANADENSIS	NORWAY SPRUCE	6-7'	D 1/2	
EH	4	PICEA FUNDENSIS 'GLAUCA'	COLORADO BLUE SPRUCE	4-5'	D 1/2	
EH	16	PINUS NIGRA	AUSTRIAN PINE	5-6'	D 1/2	
EH	14	PINUS STROBUS	WHITE PINE	6-7'	D 1/2	
EH	46	PINUS TAEDERSONI	JAP. BLACK PINE	6-7'	D 1/2	
EH	34	TSUGA CAROLINIANA	CAROLINA HEMLOCK	6-7'	D 1/2	
SHRUBS						
HA	8	AZALEA HYBRIDA	HYBRID AZ. 'GLACIER'	15-18"	CONT.	
LV	229	LEUCODENDRON STRAUCHII	REIZ HOLLY	20-30"	D 1/2	
LV	12	VIORNIUM RHTIDOPHYLLUM	LEATHERLEAF VIBURNUM	2-3'	D 1/2	
EX DRAINAGE EASEMENT						



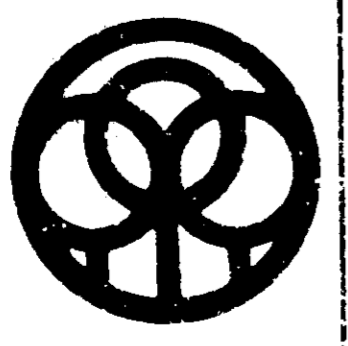
- LEGEND**
- (1) EXIST. TREES TO REMAIN
 - (2) EXIST. TREES TO BE REMOVED
 - (3) PROPOSED TREES SHRUBS
 - (4) BUILDING NUMBER

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 JAMES G. GUNN 3-26-86
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 THOMAS H. HANCOCK 3-27-86
 PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 WALTER F. NUNN 3-24-86
 DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 JAMES G. GUNN 3-26-86
 COUNTY HEALTH OFFICER DATE



DAFT McCUNE WALKER INC.
 LAND PLANNING CONSULTANTS
 1200 W. WASHINGTON ST.
 FORT MYERS, FLORIDA 33901
 813-938-1100



NO.	DATE	REVISION

Address Chart
APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 3-26-86
 AS/STB

OWNER:
 BON SECOURS HOSPITAL
 2000 W. BALTIMORE ST.
 BALTIMORE, MD. 21223

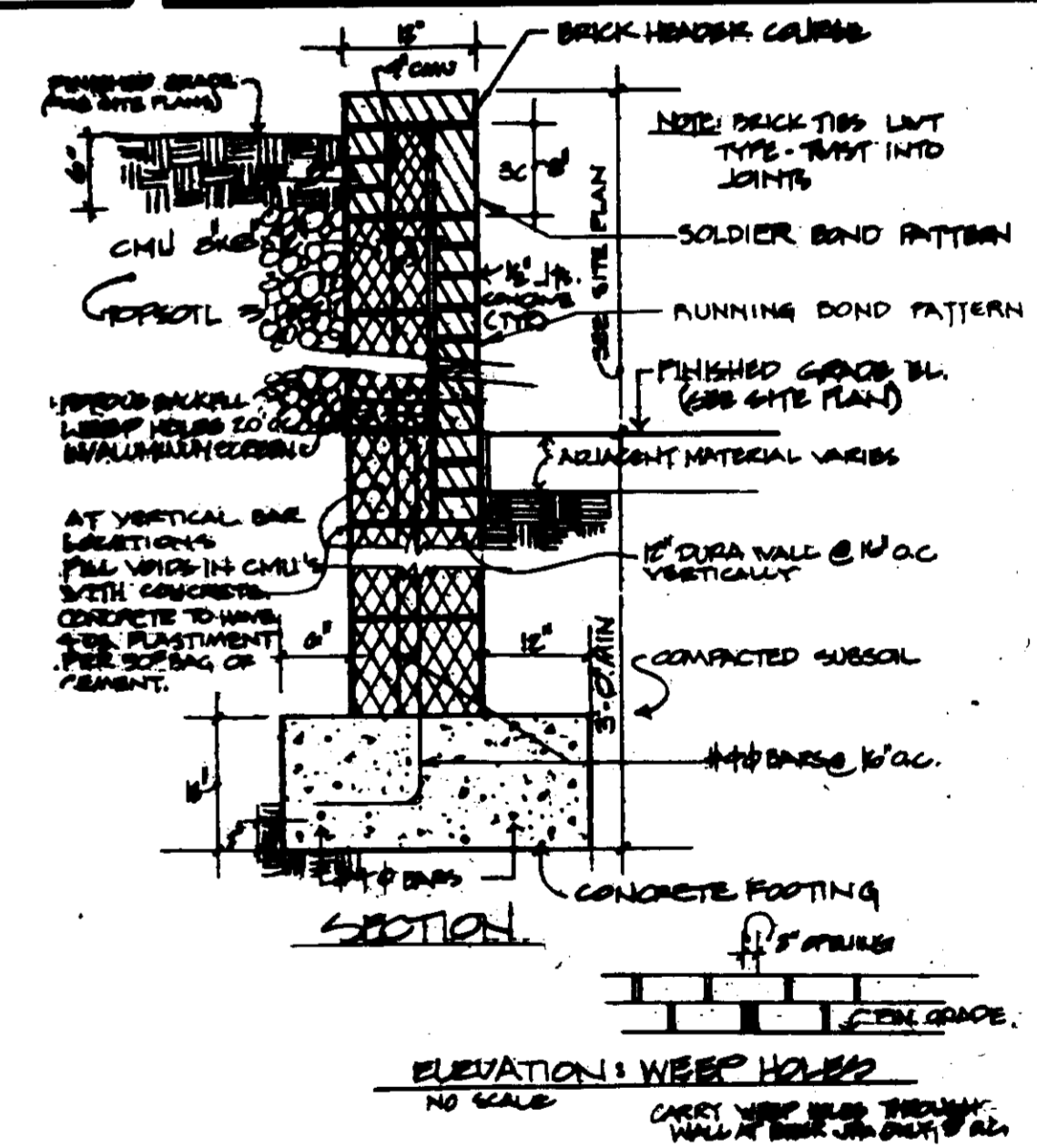
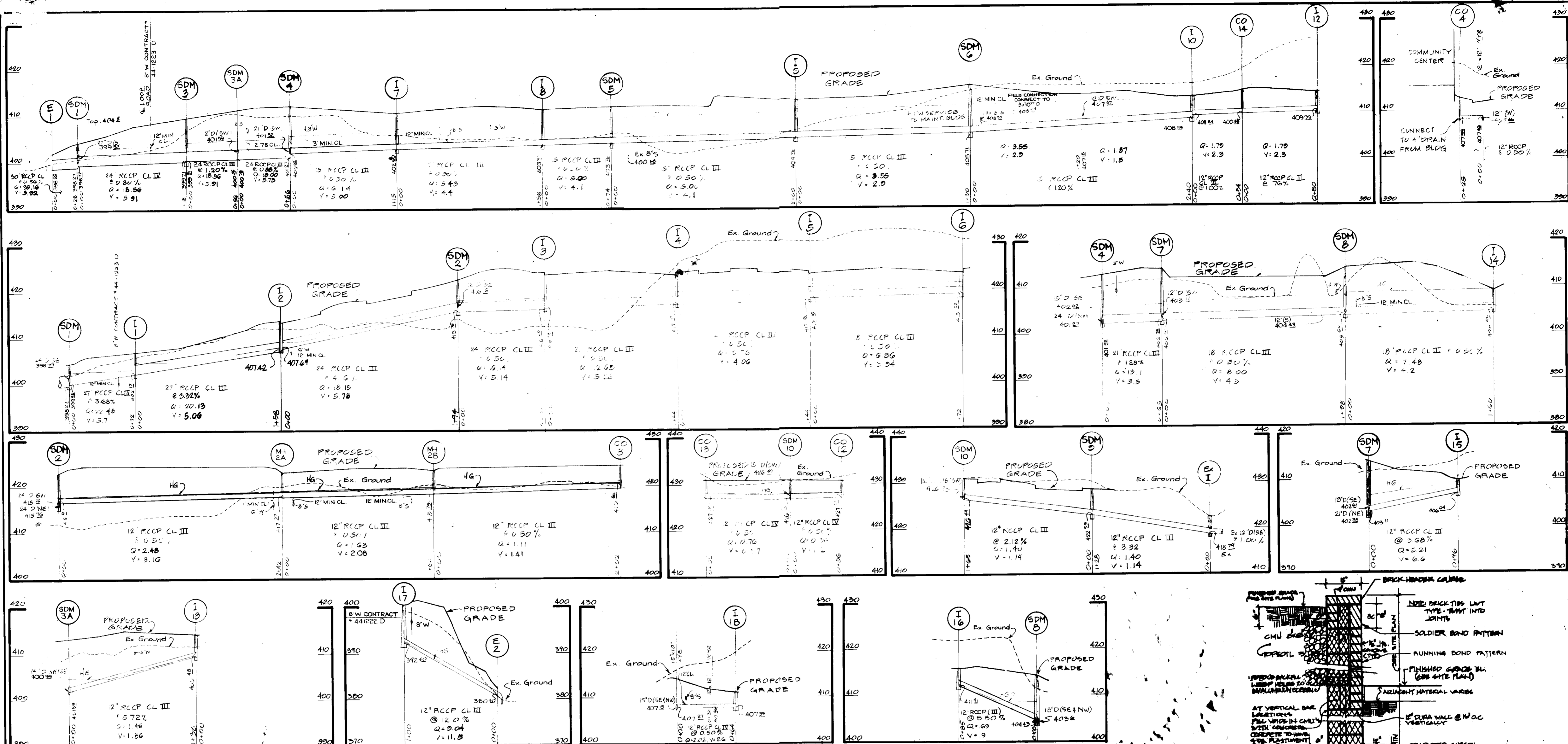
DEVELOPER:
 THE HENRY J. KNOTT DEVELOPMENT CO.
 2850 N. CHARLES ST.
 BALTIMORE, MD. 21218

SUBDIVISION NAME	SECTION/AREA	PARCEL NO.
HOWARD CO. HEALTH PARK	2/1	53

PLAT NO./L.F.	BLOCK	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TRACT
6851, 6852, 6853	7	PCR	17	2	

WATER CODE	SEWER CODE

PLANTING PLAN
BON SECOURS HEARTLANDS
 PHASE 1 HOUSING
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=50'
 SHEET 4 OF 6
 JOB NO. 81015-G
 2nd ELECTION DISTRICT
 ISSUE DATE: DECEMBER 2, 1985
SDP-86-142



Inlet Schedule

Street Number	Type	Inv. Out	Min Elevation	#
I-1	"N"	402.17	407.0	1
I-2	Double "S" Combo	407.42	413.05	2
I-3	"	416.23	423.55	3
I-4	"	417.19	423.32	4
I-5	"	417.91	423.30	5
I-6	Double "S" Combo	419.02	423.30	7
I-7	Yard	402.60	410.6	8
I-8	Yard	407.59	411.30	9
I-9	Yard	408.59	413.20	
I-10	"N"	408.59	413.50	
I-12	Yard	409.99	414.00	
I-13	Yard	409.42	413.50	
I-14	"N"	404.40	409.00	E-1
I-15	"N"	406.44	409.7	
I-16	Yard	411.91	415.6	
I-17	Yard	392.40	410.0	E-2
I-18	Trench Drain	407.59	411.17*	

Storm Drain Manhole Schedule

Type	Size	Inv. Out	Top Elevation	#
Shallow	48"	396.27	404.5	1
Std. Precast	48"	415.76	422.40	2
"	48"	399.71	409.40	3
"	48"	401.27	413.50	4
"	48"	403.76	411.20	5
Std. Precast	48"	405.71	416.50	6
"	48"	402.35	414.00	7
Std. Precast	48"	403.60	414.00	8
Std. Precast	48"	422.99	431.00	9

Storm Drain Cleanout Schedule

#	Size	Inv. Out	Top Elev.
CO 3	12"	419.97	424.8
CO 4	12"	407.59	412.3
CO 12	12"	427.00	430.0
CO 13	12"	427.18	430.6
CO 14	12"	409.61	414.5

STORM DRAIN MANHOLE SCHEDULE (CONT)

#	TYPE	SIZE	IN/OUT	TOP ELEVATION
10	Std. Precast	48"	426.49	430.8
2A	Shallow	48"	417.97	422.9
2B	"	48"	418.79	423.0
3A	"	48"	400.58	413.5

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
 DATE: 3-26-86
 [Signature]

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] DATE: 3-26-86
 COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 [Signature] DATE: 3-27-86
 PLANNING DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] DATE: 3-26-86
 DIRECTOR

APPROVED: BUREAU OF ENGINEERING
 [Signature] DATE: 3-26-86
 CHIEF: BUREAU OF ENGINEERING

DAFT - McCUNE - WALKER INC.
 LAND PLANNING CONSULTANTS
 LANDSCAPE ARCHITECTS
 ENGINEERS & SURVEYORS
 200 E. PENNSYLVANIA AVE
 TOWSON, MD 21284
 TELEPHONE (301) 296-3333



REVISION

NO	DATE	REVISION
1	5-19-86	REV. MH SCHEDULE NO. 10, 2B, 3A, PROFILE FROM SDM 4 - 30M-1
2	11-14-86	REV. THE SCHEDULE NO. 10, 2B, 3A, PROFILE FROM SDM 10 - BY S [Signature]

Address Chart

OWNER:
 BON SECOURS HOSPITAL
 2000 W. BALTIMORE ST.
 BALTIMORE, MD. 21223

DEVELOPER:
 THE HENRY J. KNOTT DEVELOPMENT CO.
 2850 N. CHARLES ST.
 BALTIMORE, MD. 21218

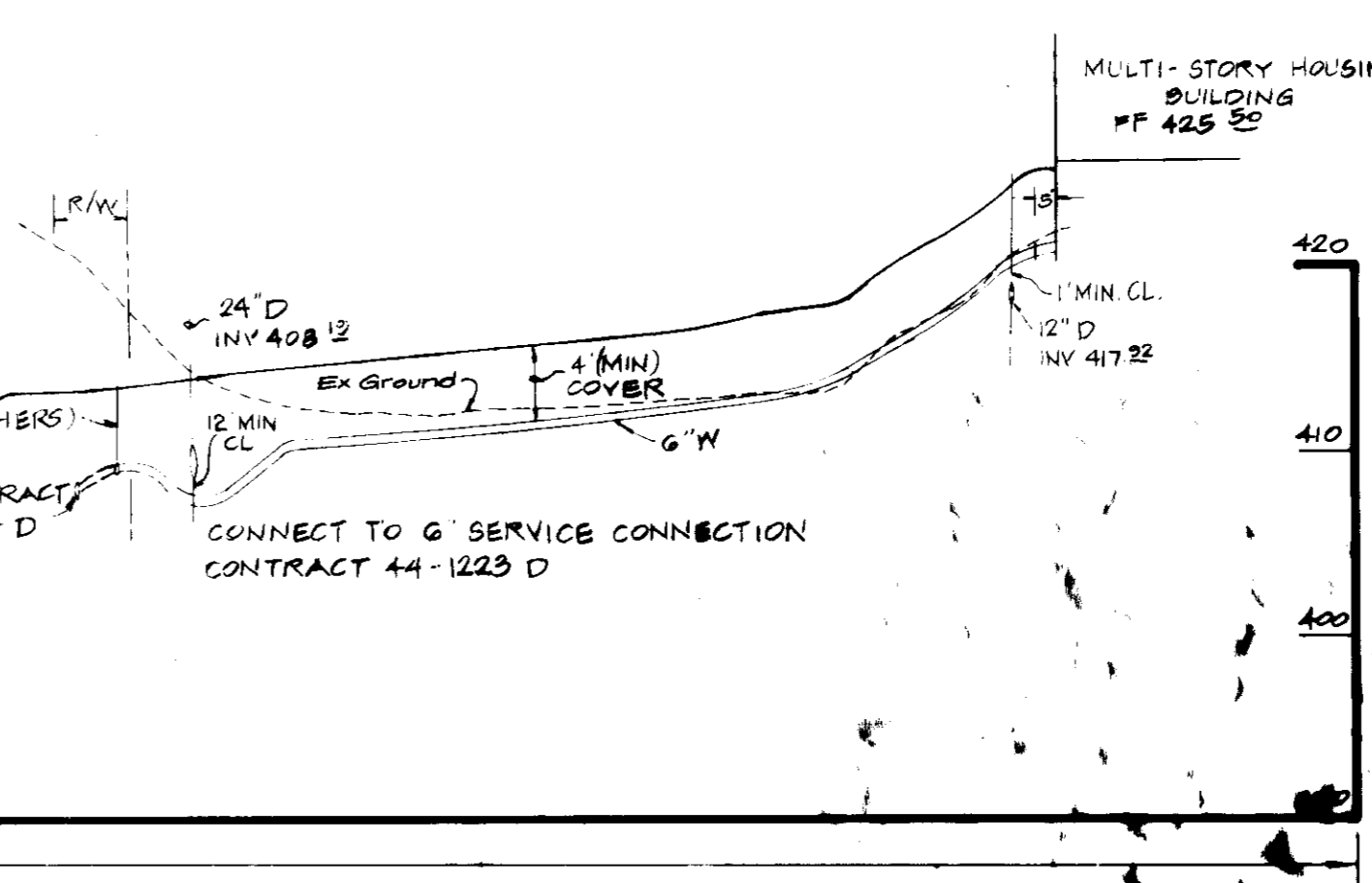
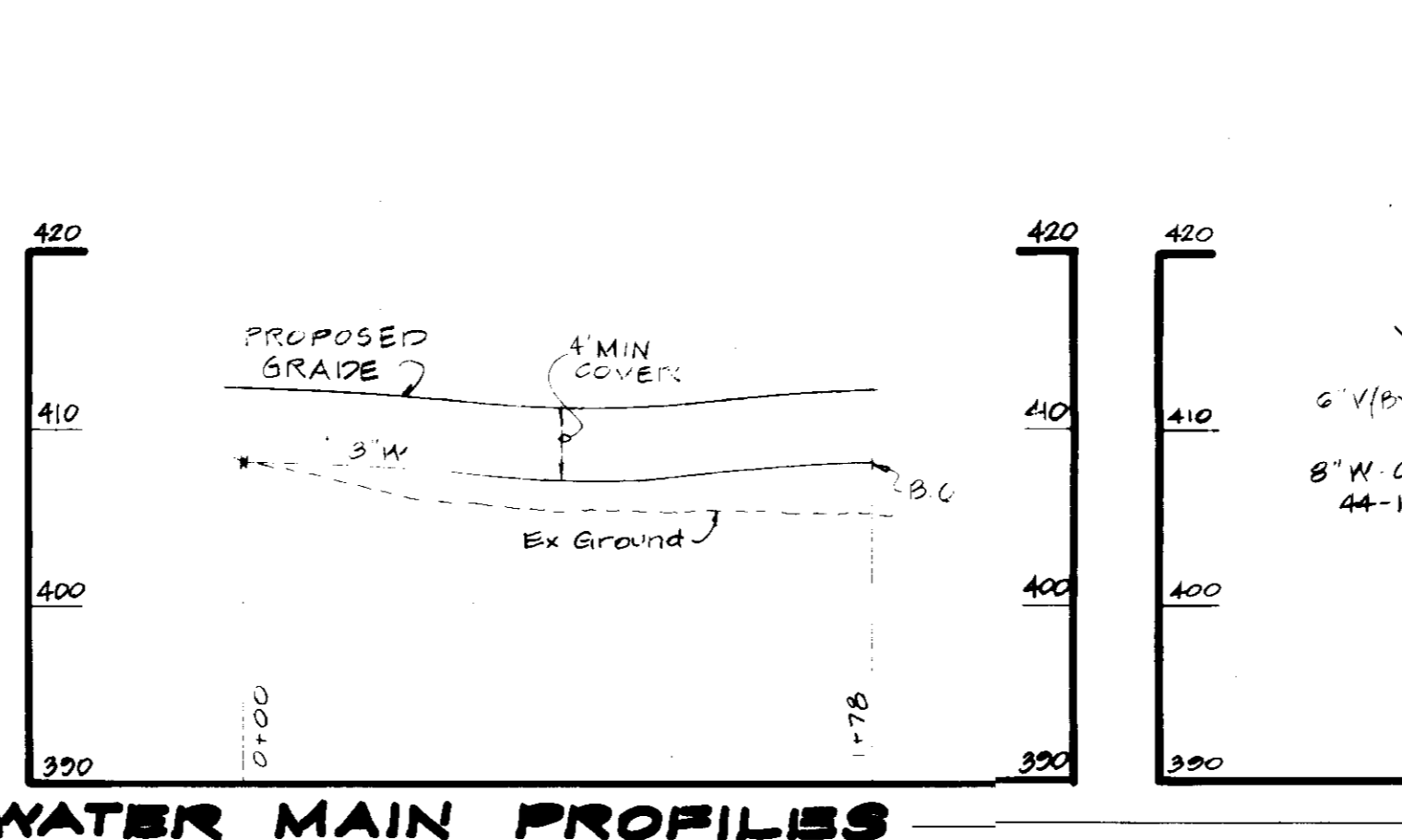
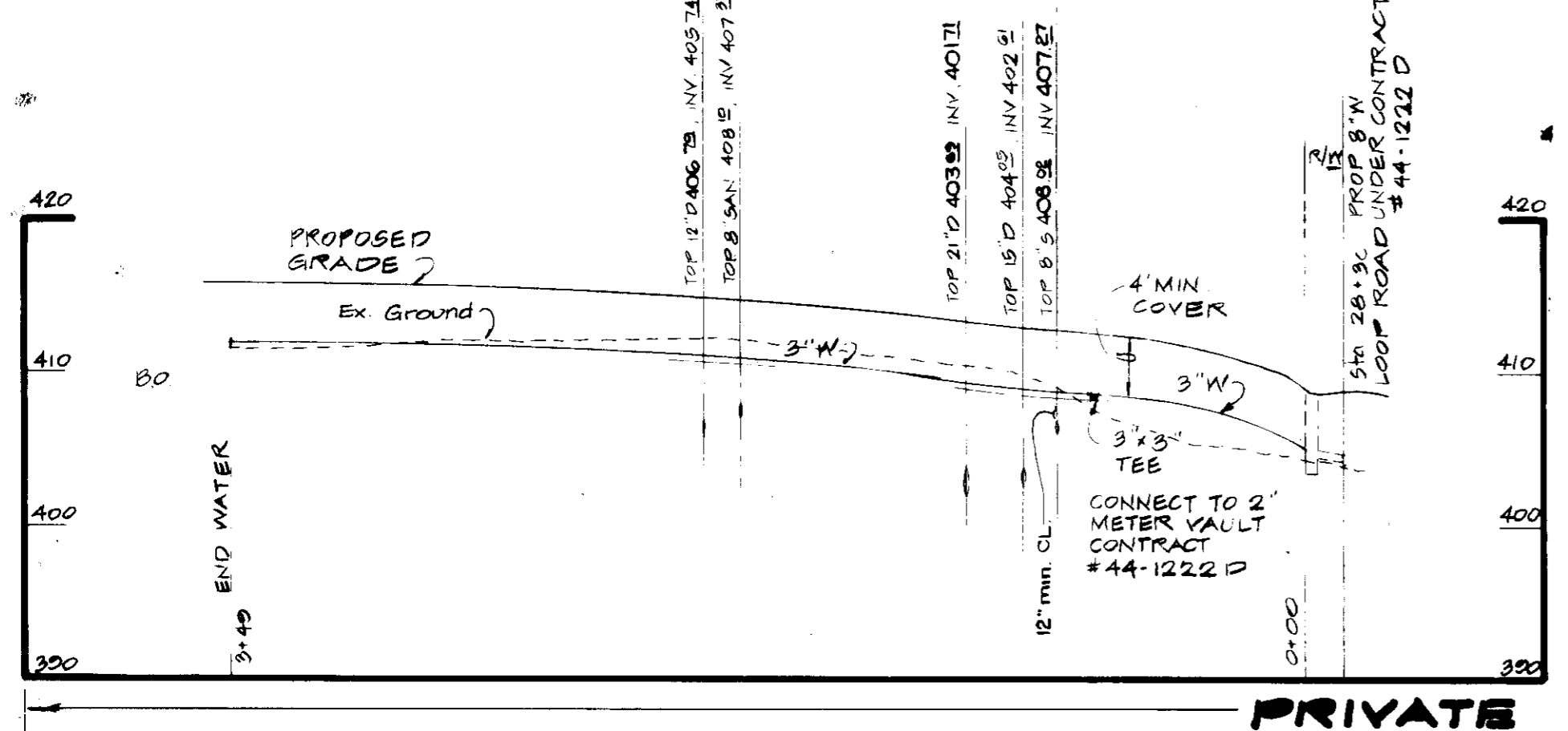
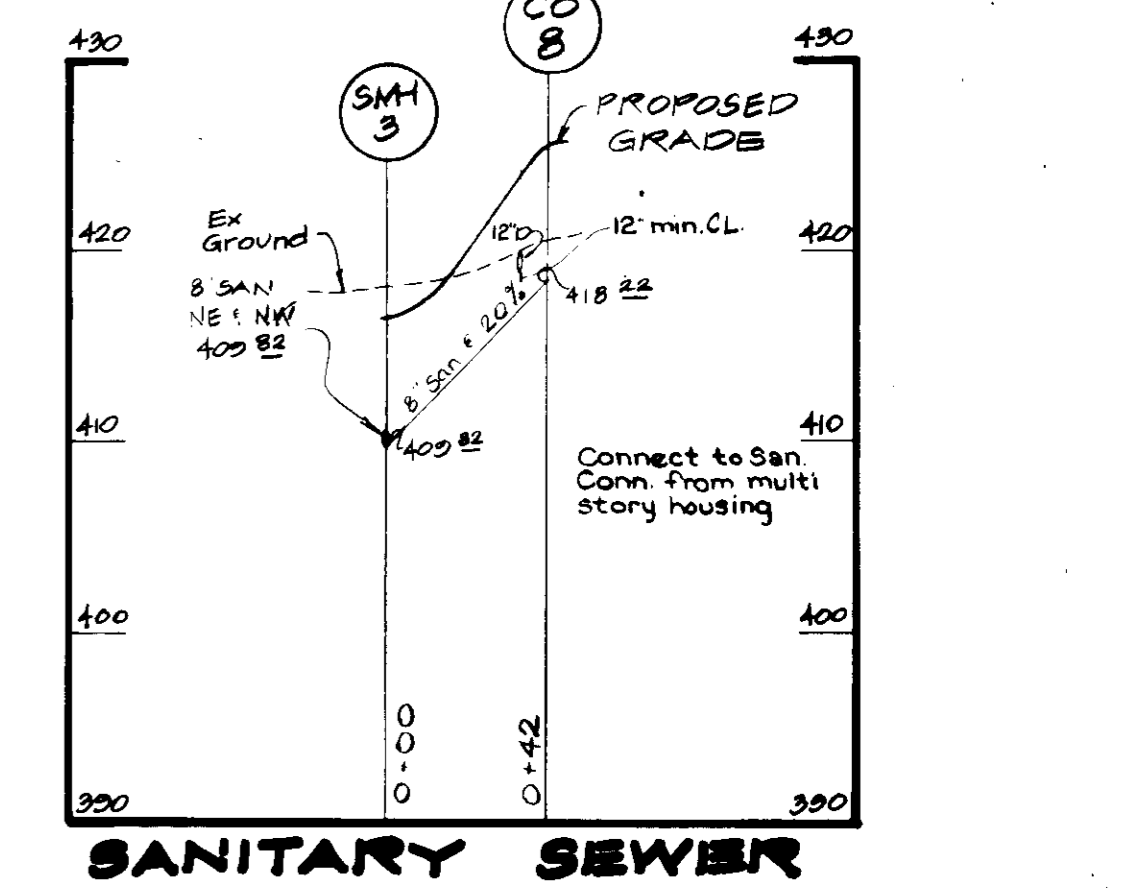
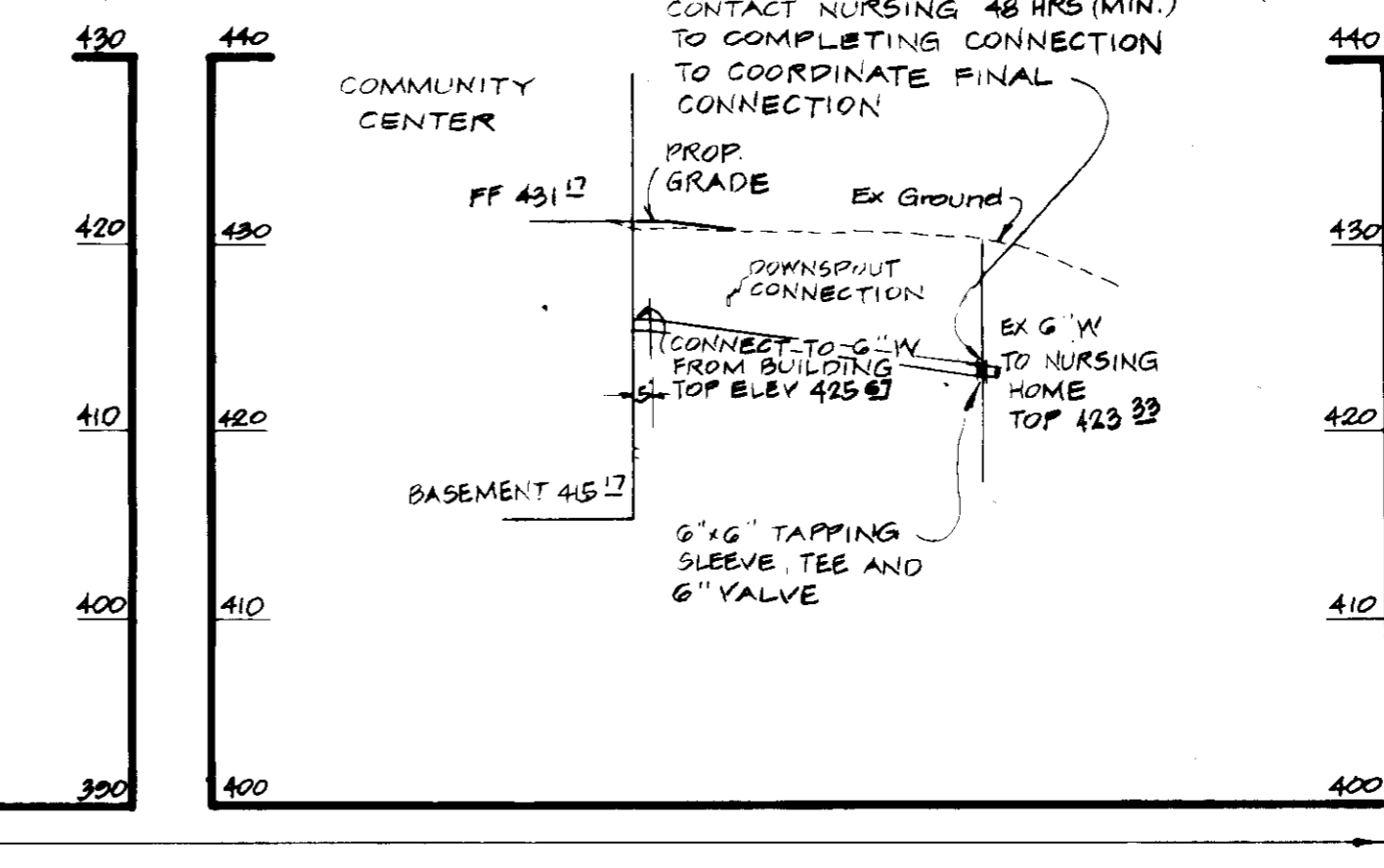
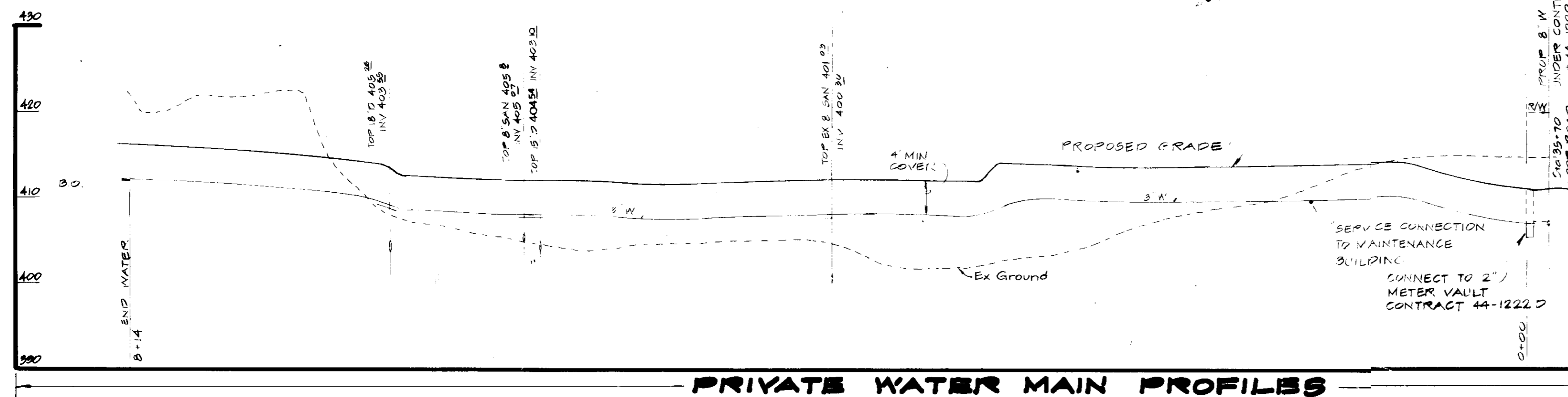
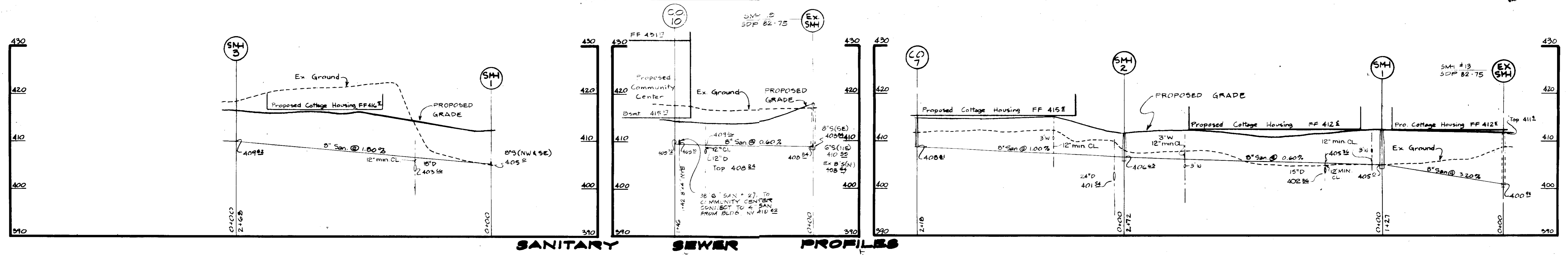
SUBDIVISION NAME	SECTION/AREA	PARCEL NO.
HOWARD CO. HEALTH PARK	2/1	D-3

PLAT NO./L/F	BLOCK	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TRACT
G551, G552, G553	17	P/R	17	2	

WATER CODE: SEWER CODE:

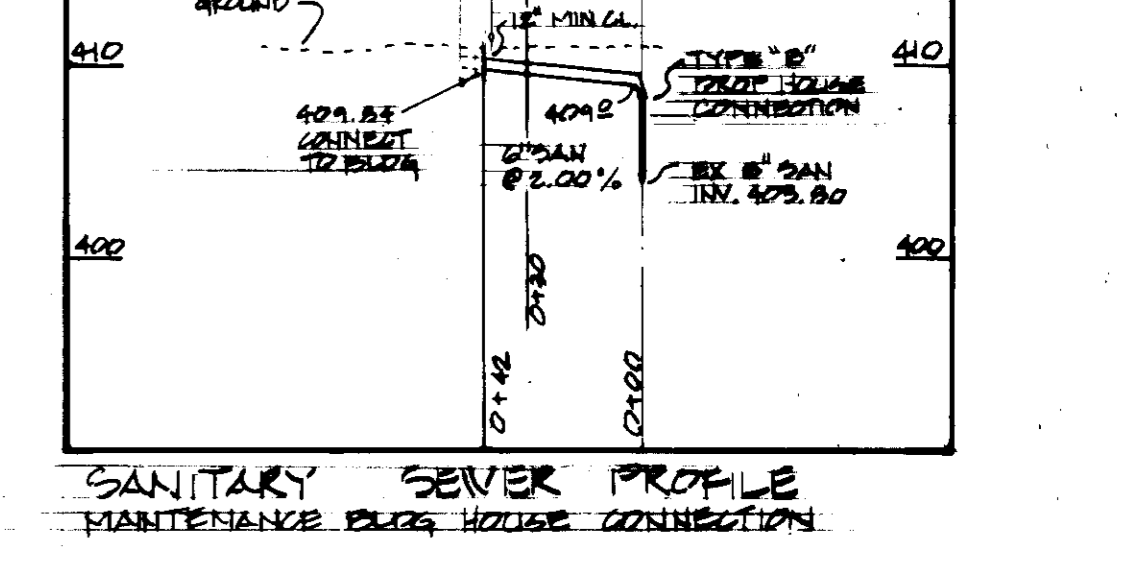
STORM DRAIN PROFILES
BON SECOURS HEARTLANDS
PHASE 1 HOUSING
 HOWARD COUNTY, MARYLAND
 SCALE: HORIZ: 1"=50', VERT: 1"=10'
 SHEET 5 OF 8, ISSUE DATE: DECEMBER 2, 1985

SDP-86-142



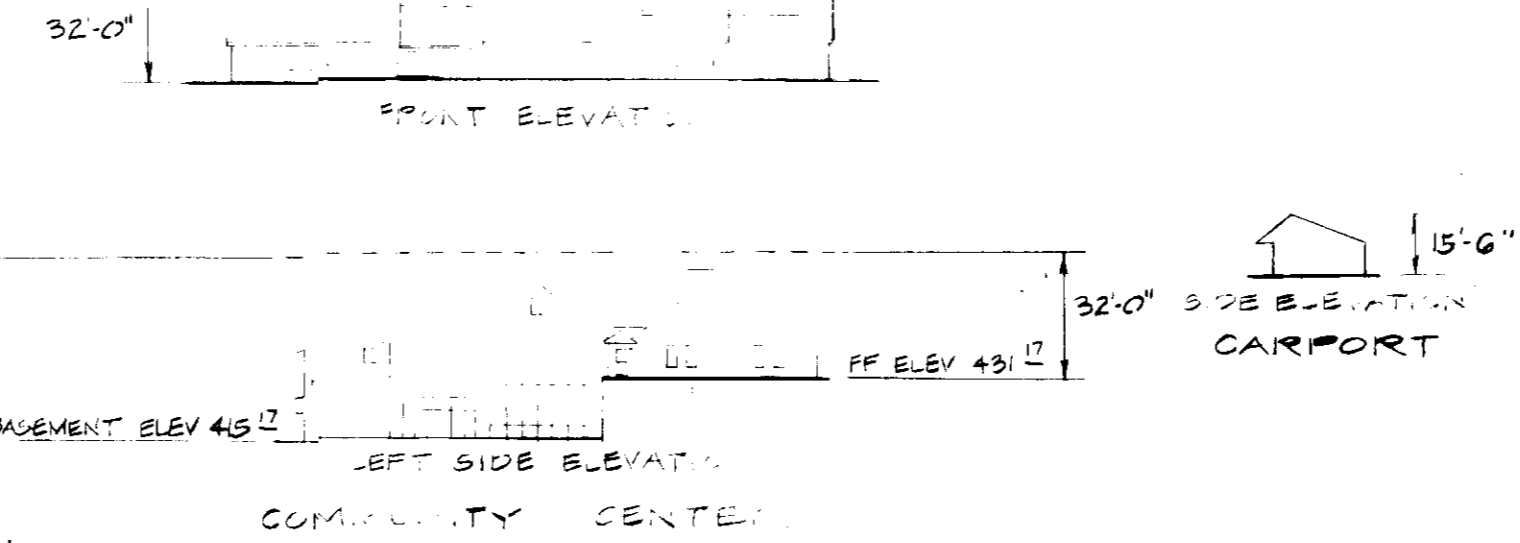
Sanitary Sewer Structure Table

#	Type	Invert	Top Elev.
SMH 1	Standard	405.00	411.8
SMH 2	Shallow	406.63	411.5
SMH 3	Standard	409.82	416.5
CO 7	Standard	408.81	414.95
CO 8	Standard	419.90	425.4



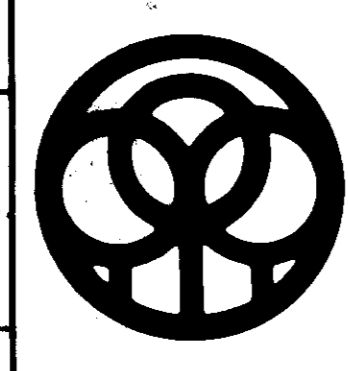
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 3-26-86
MS/JS

UTILITY PROFILES (Above)
SCALE: Horiz. 1"=50'
Vert. 1"=10'

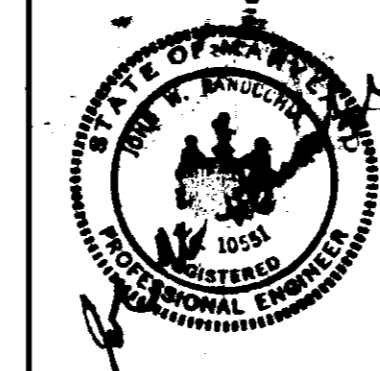


BUILDING ELEVATIONS (Left)
SCALE: Horiz. 1"=50'
Vert. 1"=50'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: Joyce Brown DATE: 3-26-86
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR: Thomas A. Davis DATE: 3-27-86
CHIEF, DIV. OF LAND DEV. AND ZONING ADMIN.: Louis F. Damm DATE: 3-27-86
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE.
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: Mark N. Nunn DATE: 3-27-86
CHIEF, BUREAU OF ENGINEERING: John J. [Signature] DATE: 3-27-86



DAFT-McCUNE-WALKER INC.
LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS & SURVEYORS
200 E. PENNSYLVANIA AVE
TOWSON, MD 21284
TELEPHONE (301) 296-3333



NO.	DATE	REVISION
1	5-10-86	DELETE SPM-4 & CO. 9
2	11-18-86	ADD SAN SEWER CONNECTION TO MAINTENANCE PLUS.
3	6-25-87	REV. COMMUNITY CENTER WATER CONNECTION

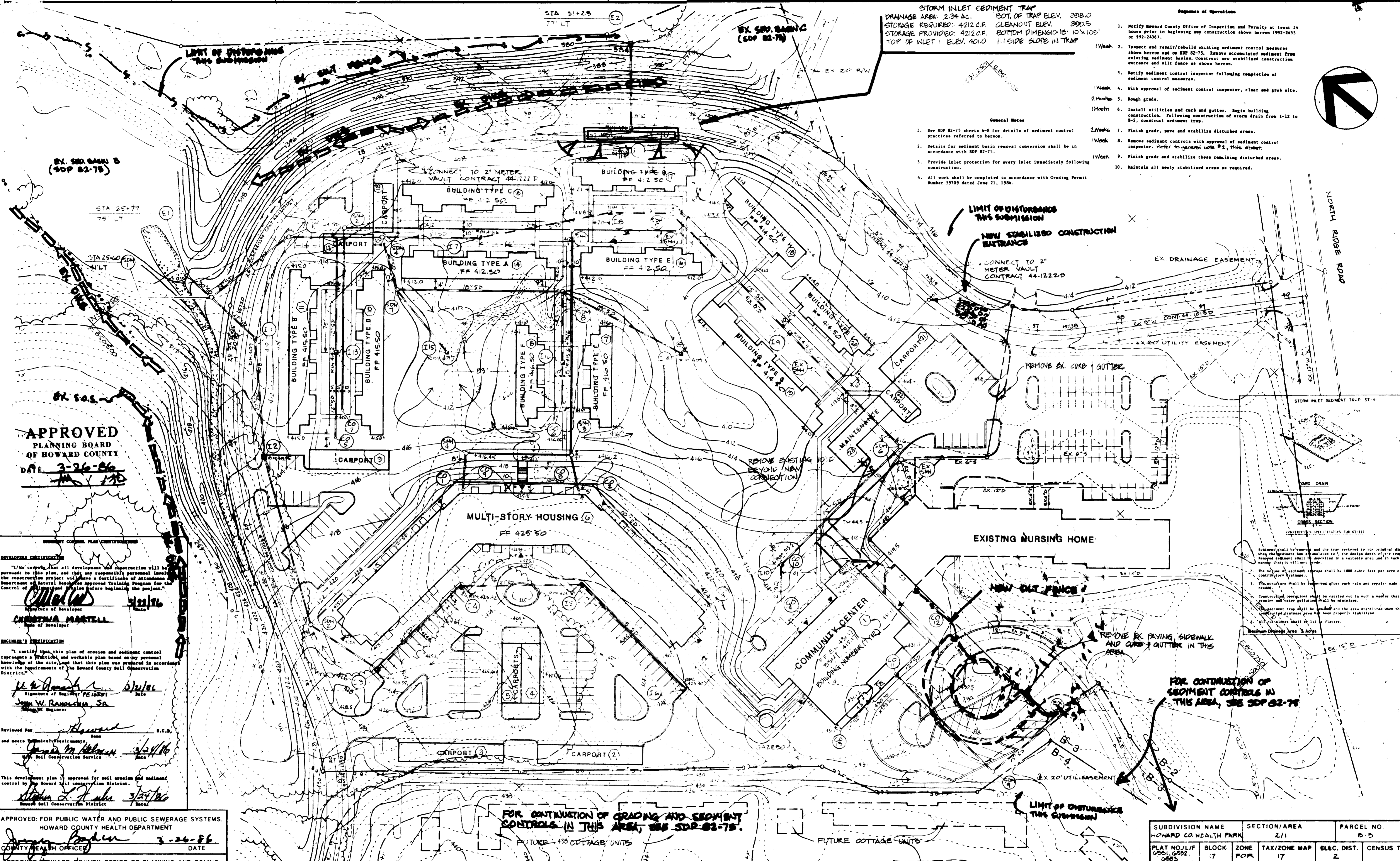
Address Chart

OWNER:
BON SECOURS HOSPITAL
2000 W. BALTIMORE ST.
BALTIMORE, MD. 21223

DEVELOPER:
THE HENRY J. KNOTT DEVELOPMENT CO.
2850 N. CHARLES ST.
BALTIMORE, MD. 21218

SUBDIVISION NAME	SECTION/AREA	PARCEL NO.			
HOWARD CO HEALTH PARK	2/1	D-3			
PLAT NO./L/F	BLOCK	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TRACT
G551, G552, G553	17	PUR	17	2	
WATER CODE			SEWER CODE		

SANITARY SEWER, WATER MAIN PROFILES & BUILDING ELEVATIONS
BON SECOURS HEARTLANDS
PHASE 1 HOUSING
HOWARD COUNTY, MARYLAND
JOB NO. 81015-G
SCALE: AS SHOWN
2nd ELECTION DISTRICT
SHEET 6 OF 8, ISSUE DATE DECEMBER 2, 1985



STORM INLET SEDIMENT TRAP
 DRAINAGE AREA: 2.34 AC. BOT. OF TRAP ELEV. 308.0
 STORAGE REQUIRED: 4212 C.F. CLEANOUT ELEV. 308.5
 STORAGE PROVIDED: 4212 C.F. BOTTOM DIMENSIONS: 10'x105'
 TOP OF INLET: ELEV. 401.0 1:1 SIDE SLOPE IN TRAP

- Sequence of Operations**
1. Notify Howard County Office of Inspection and Permits at least 24 hours prior to beginning any construction shown hereon (892-2435 or 892-2436).
 - 1 Week 2. Inspect and repair/rebuild existing sediment control measures shown hereon and on SDP 82-75. Remove accumulated sediment from existing sediment basins. Construct new stabilized construction entrance and silt fence as shown hereon.
 3. Notify sediment control inspector following completion of sediment control measures.
 - 1 Week 4. With approval of sediment control inspector, clear and grub site.
 - 2 Month 5. Rough grade.
 - 1 Month 6. Install utilities and curb and gutter. Begin building construction. Following construction of storm drains from I-12 to E-2, construct sediment trap.
 - 2 Week 7. Finish grade, pave and stabilize disturbed areas.
 - 1 Week 8. Remove sediment controls with approval of sediment control inspector. Refer to general note #2, this sheet.
 - 1 Week 9. Finish grade and stabilize these remaining disturbed areas.
 10. Maintain all newly stabilized areas as required.

- General Notes**
1. See SDP 82-75 sheets 4-8 for details of sediment control practices referred to hereon.
 2. Details for sediment basin removal conversion shall be in accordance with SDP 82-75.
 3. Provide inlet protection for every inlet immediately following construction.
 4. All work shall be completed in accordance with Grading Permit Number 59709 dated June 21, 1984.

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 3-26-86
 MAY 1986

DEVELOPER'S CERTIFICATION
 "I/We certify that all development and construction will be pursuant to this plan, and that any responsible personnel (within the construction project) will have a Certificate of Attendance Department of Natural Resources approved Training Program for the Control of Erosion and Sedimentation before beginning the project."
 Signature of Developer: *Christina Martell*
 Name of Developer: **CHRISTINA MARTELL**

ENGINEER'S CERTIFICATION
 "I certify that this plan of erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site, and that this plan was prepared in accordance with the requirements of the Howard County Soil Conservation District."
 Signature of Engineer: *John W. Ransochia, Sr.*
 Name of Engineer: **JOHN W. RANSOCHIA, SR.**

Reviewed For: *[Signature]* H.C.D.
 and meets Technical Requirements: *[Signature]* 3/24/86
 Name of Reviewer: **John W. Ransochia, Sr.**

This development plan is approved for soil erosion and sediment control by the Howard County Soil Conservation District.
 Signature: *[Signature]* 3/24/86
 Name of Reviewer: **John W. Ransochia, Sr.**

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 3-26-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR: *[Signature]* DATE: 3-27-86
 CHIEF DIV. OF LAND DEV. AND ZONING ADMIN.: *[Signature]* DATE: 3-31-86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 3-24-86
 CHIEF: BUREAU OF ENGINEERING: *[Signature]* DATE: 3-24-86



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 TELEPHONE (301) 286-3333



NO	DATE	REVISION

Address Chart

OWNER:
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 BALTIMORE, MD. 21223

DEVELOPER:
 THE HENRY J. KNOTT DEVELOPMENT CO.
 2850 N. CHARLES ST.
 BALTIMORE, MD. 21218

SUBDIVISION NAME	SECTION/AREA	PARCEL NO.
HOWARD CO. HEALTH PARK	2/1	B-5
PLAT NO./L/F	BLOCK	ZONE
6551, 6592, 6683	17	17
WATER CODE		SEWER CODE
		2

DEMOLITION & SEDIMENT CONTROL PLAN
BON SECOURS HEARTLANDS
 PHASE 1 HOUSING
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=50'
 SHEETS OF 3, ISSUE DATE: DECEMBER 2, 1985
 JOB NO. 81018-0
 2nd ELECTION DISTRICT
SDP-86-142

FOR CONTINUATION OF GRADING AND SEDIMENT CONTROLS IN THIS AREA, SEE SDP 82-75.
 FUTURE 430 COTTAGE UNITS

NOTE: THIS PLAN TO BE USED ONLY FOR DEMOLITION AND SED. CONTROL CONSTRUCTION.