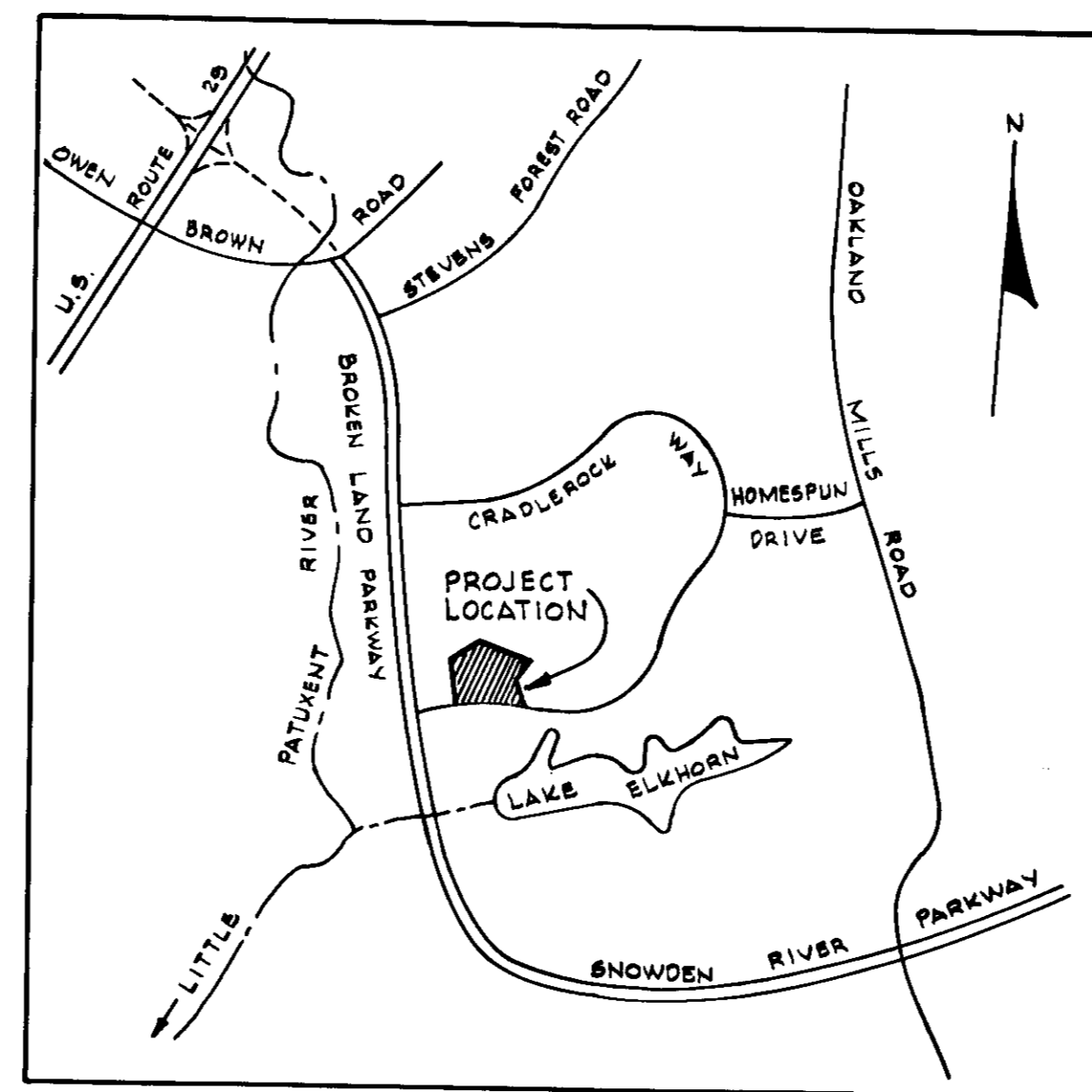


GENERAL NOTES

1. Topography taken from aerial topo prepared by Maps Incorporated and verified by field-run survey.
2. Recording reference for Lots E-5 thru E-48 is Plat Book 3326
3. Public water and sewer facilities are to be provided.
4. Community owned lots which include parking spaces and sidewalks shall be owned and maintained by a home owners association. Only the 20' travelled way portion of the 50' right-of-way shall be publicly maintained.
5. The minimum gross floor area of each unit excluding basement shall be 1,080 square feet.
6. All entrance walks to dwellings shall be 3' wide.
7. All other sidewalks shall be 4' wide concrete unless otherwise noted.
8. Curb return radii for roadways shall be 25' unless otherwise specified.
9. Dwellings shown hereon are 3 bedroom 2 story group dwellings with basements.
10. Minimum setback from all public streets shall be 30' unless otherwise approved by Howard County Planning Board.



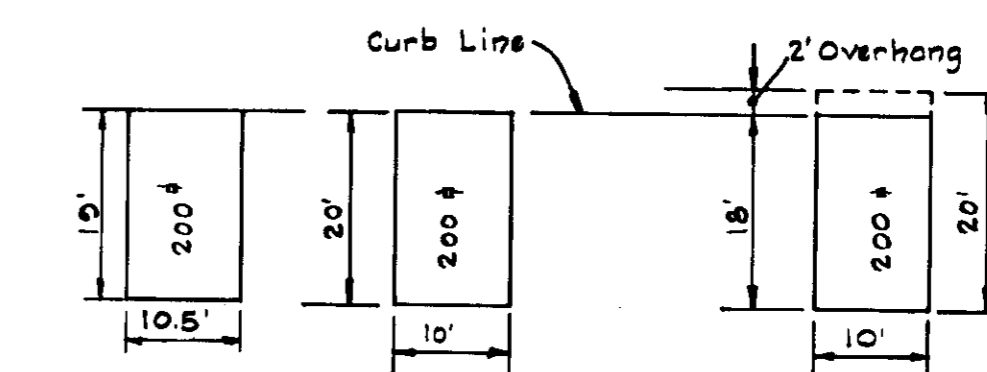
VICINITY MAP
Scale: 1" = 2000'

SITE ANALYSIS

Existing Zoning - Apartments (Single Family Attached)
Final Development Plan - Phase 115-A-III Plat Book 28 Folios 149 to 152.
Area of Parcel "E-2" 4.527 Ac.

Total Area	
Area of Lots	3.477 Ac.
Area of Roads	1.050 Ac.
Area of Open Space	0.0 Ac.
Dwelling Units Permissible	45
Dwelling Units Proposed	42
Parking Spaces Required	84
Parking Spaces Proposed	84 *

* Includes 13 carports



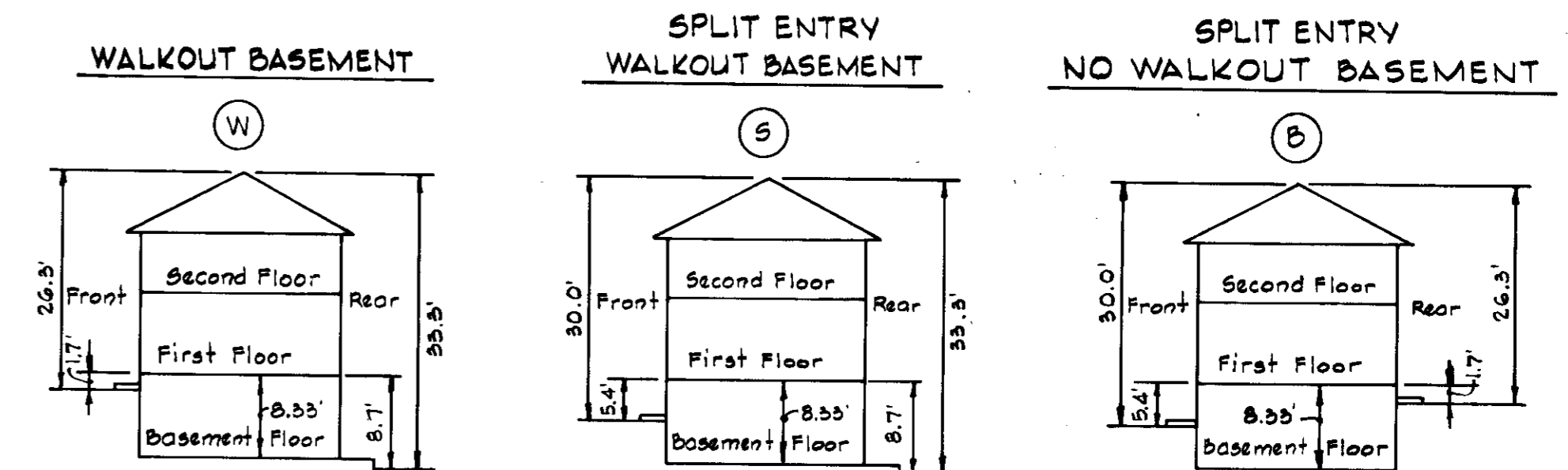
TYPICAL PARKING SPACES
No Scale

SPECIAL NOTES

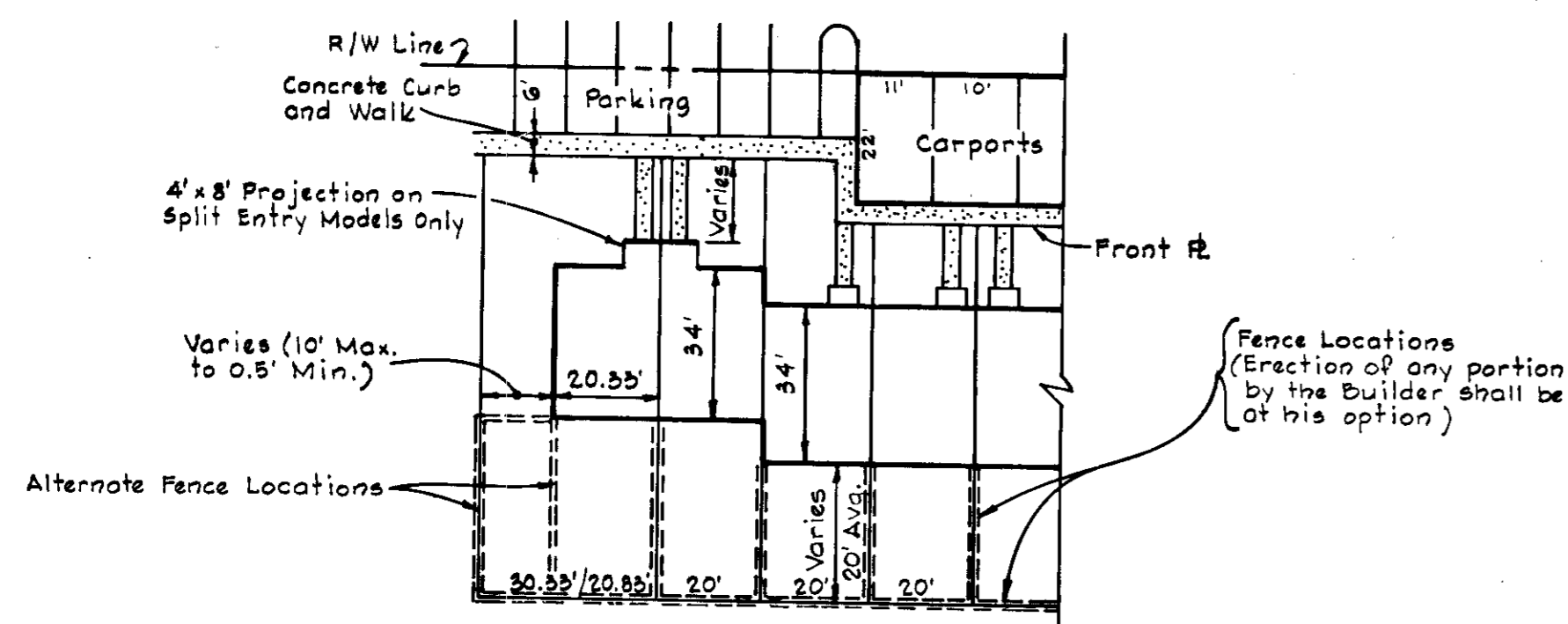
This development plan includes all applicable information outlined in Data Sheet 150 Neighborhood Standards, F.H.A. Land Planning Bulletin No. 3 V.A. Pamphlet 4A8 and conforms with lot improvements and detail lot grading of Chapter XII F.H.A. Minimum Property Requirements dated May 1963, and to all applicable ordinances and regulations.

Drainage structures have been designed in accordance with sound engineering practice using recognized formulae and rainfall data currently prescribed by local authorities. These exhibits comply with the F.H.A. objectives, Minimum Property Standards, local acceptable standards and neighborhood requirements conform to all applicable local government ordinances and regulations and represent the best professional judgement of the designer.

SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	GRADING PLAN
3	DETAIL SHEET
4	SEDIMENT CONTROL PLANS
5	SEDIMENT CONTROL PLANS
6	SEDIMENT CONTROL PLANS
7	SEDIMENT CONTROL PLANS
8	SEDIMENT CONTROL PLANS
9	LANDSCAPE PLAN



TYPICAL DWELLING ELEVATIONS
No Scale



TYPICAL DWELLING
No Scale

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 10/23/75
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 10-27-75
PLANNING DIRECTOR DATE

APPROVED: CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
[Signature] 10/24/75
CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 10-27-75
DIRECTOR DATE

[Signature] 10/21/75
CHIEF BUREAU OF HIGHWAYS DATE

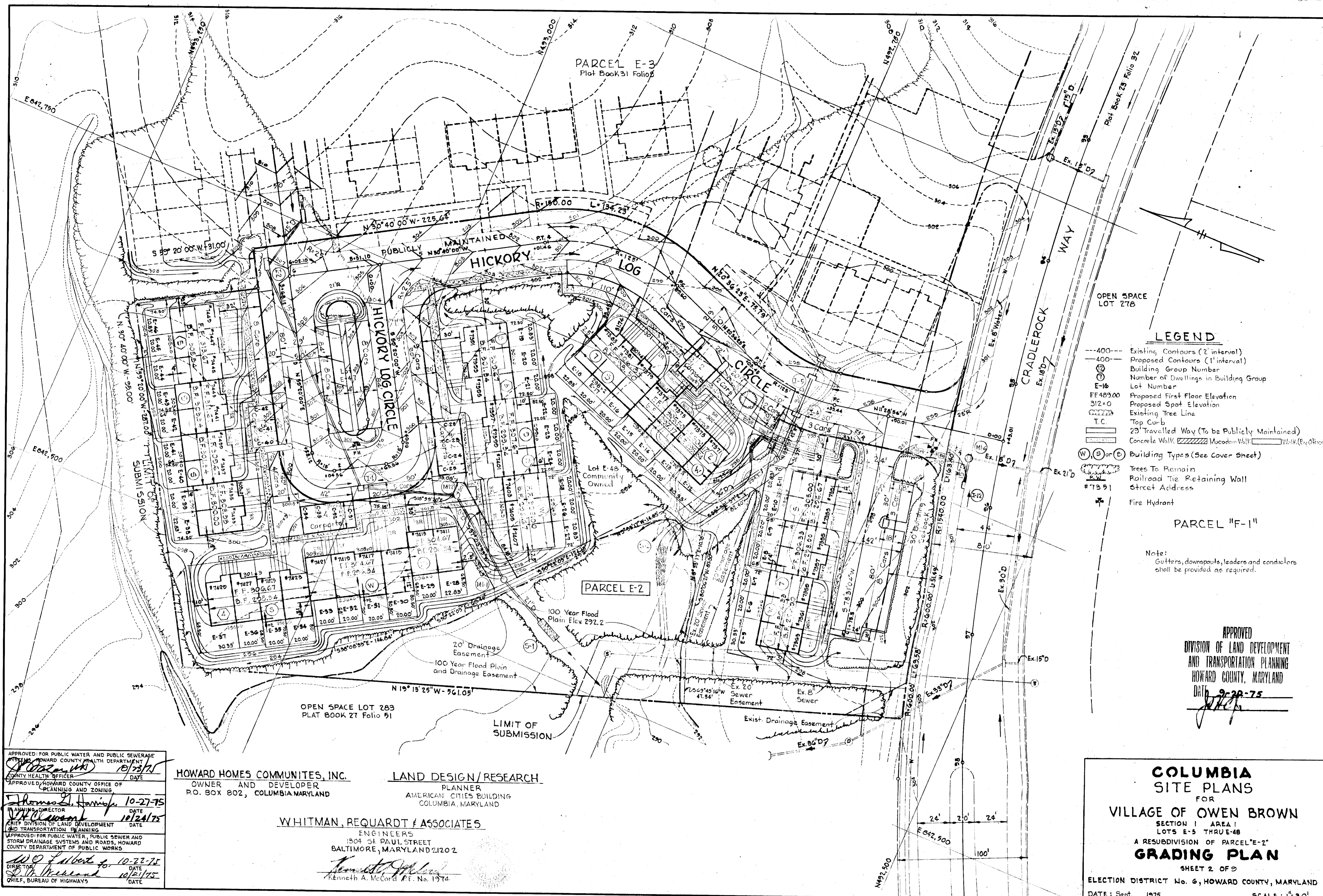
HOWARD HOMES COMMUNITIES, INC.
OWNER AND DEVELOPER
P.O. BOX 802, COLUMBIA MARYLAND

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL STREET
BALTIMORE MARYLAND 21202
[Signature]
Kenneth A. McCord P.E. No. 1974

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 9-22-75
[Signature]

COLUMBIA
SITE PLANS
FOR
VILLAGE OF OWEN BROWN
SECTION I AREA I
LOTS E-5 THRU E-48
A RESUBDIVISION OF PARCEL "E-2"
TITLE SHEET
SHEET 1 OF 9

ELECTION DISTRICT No. 6, HOWARD COUNTY, MARYLAND
DATE: Sept. , 1975 SCALE: AS SHOWN



LEGEND

- 400--- Existing Contours (2' interval)
- 400- Proposed Contours (1' interval)
- ⊙ Building Group Number
- ⊙ Number of Dwellings in Building Group
- ⊙ Lot Number
- FF 489.00 Proposed First Floor Elevation
- 312x0 Proposed Spot Elevation
- Existing Tree Line
- T.C. Top Curb
- Concrete Walk Macadam Walk Water (Ex. Others)
- Ⓜ or Ⓟ Building Types (See Cover Sheet)
- Trees To Remain
- Railroad Tie Retaining Wall
- Street Address
- Fire Hydrant

PARCEL "F-1"

Note:
Gutters, downspouts, leaders and conductors shall be provided as required.

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 9-29-75
[Signature]

**COLUMBIA
SITE PLANS**
FOR
VILLAGE OF OWEN BROWN
SECTION 1 AREA I
LOTS E-5 THRU E-8
A RESUBDIVISION OF PARCEL "E-2"
GRADING PLAN
SHEET 2 OF 3
ELECTION DISTRICT No. 6, HOWARD COUNTY, MARYLAND
DATE: Sept. 1975 SCALE: 1" = 30'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 10/23/75
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 10-27-75
PLANNING DIRECTOR DATE

CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
[Signature] 10/24/75
DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 10-22-75
DIRECTOR DATE

[Signature] 10/21/75
CHIEF, BUREAU OF HIGHWAYS DATE

HOWARD HOMES COMMUNITES, INC.
OWNER AND DEVELOPER
P.O. BOX 802, COLUMBIA, MARYLAND

LAND DESIGN/RESEARCH
PLANNER
AMERICAN CITIES BUILDING
COLUMBIA, MARYLAND

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1504 54 PAUL STREET
BALTIMORE, MARYLAND 21202
[Signature]
Kenneth A. McCord P.E. No. 1974

OPEN SPACE LOT 283
PLAT BOOK 27 Folio 51

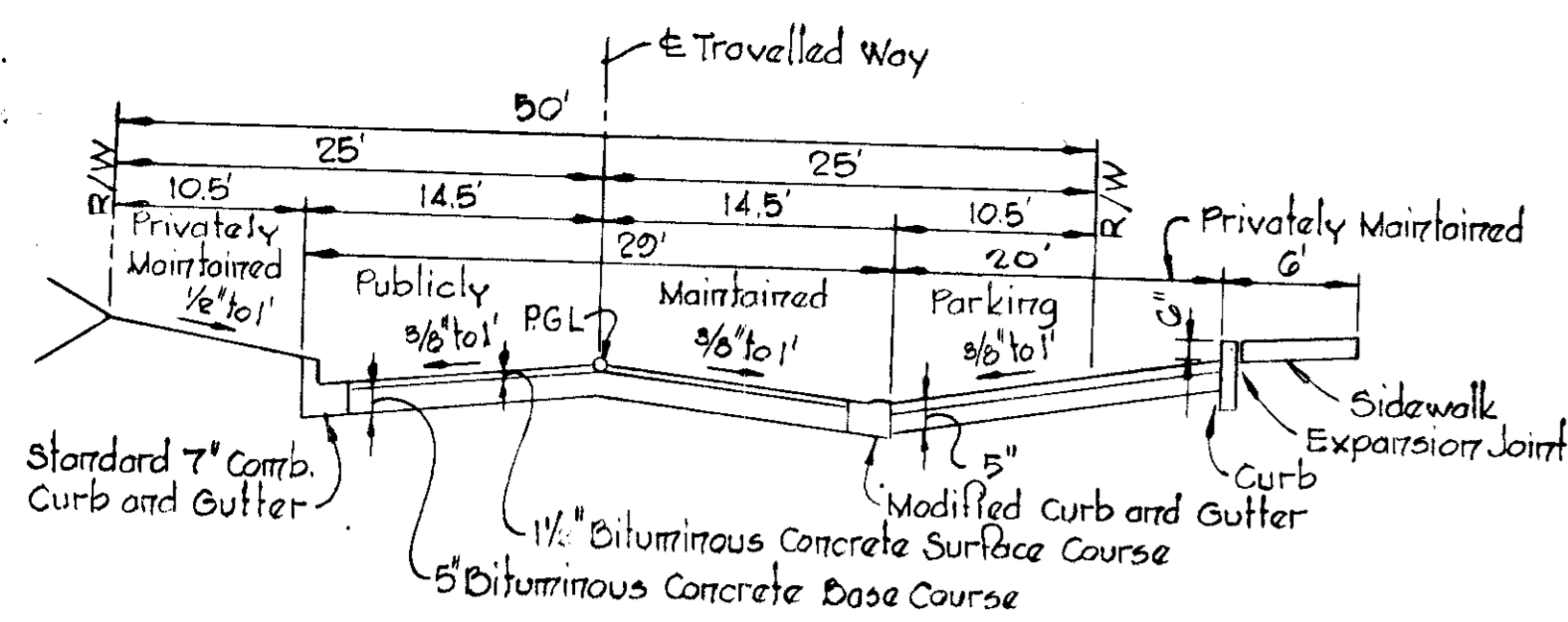
20' Drainage Easement
100 Year Flood Plain and Drainage Easement

100 Year Flood Plain
Plain Elev 292.2

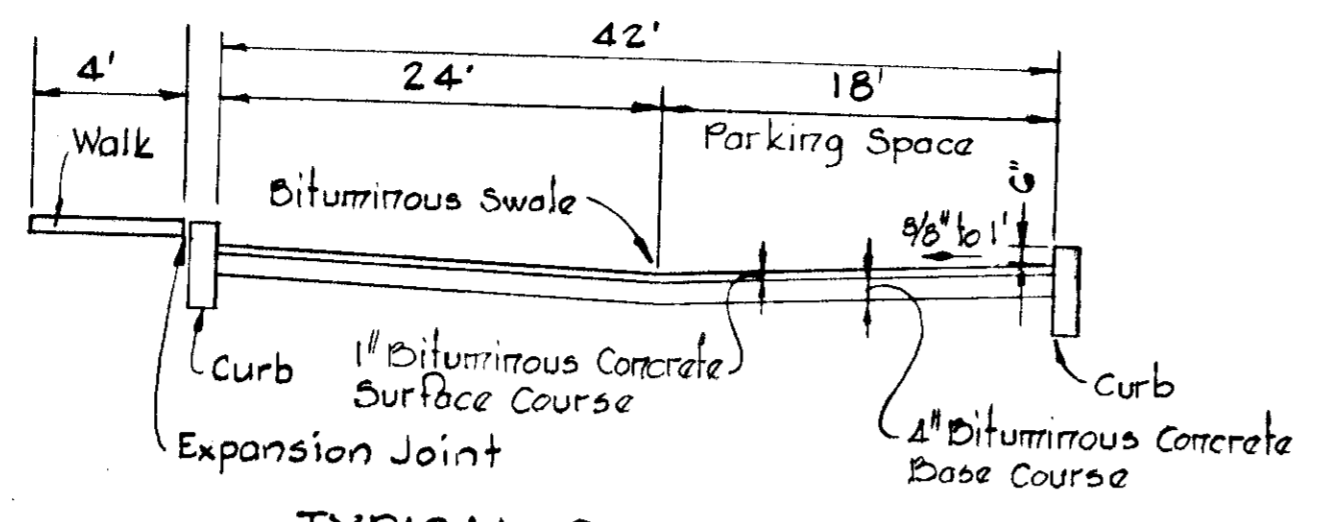
Lot E-48
Community Owned

Exist. Drainage Easement
Ex. 20' Sewer
Ex. 8' Sewer

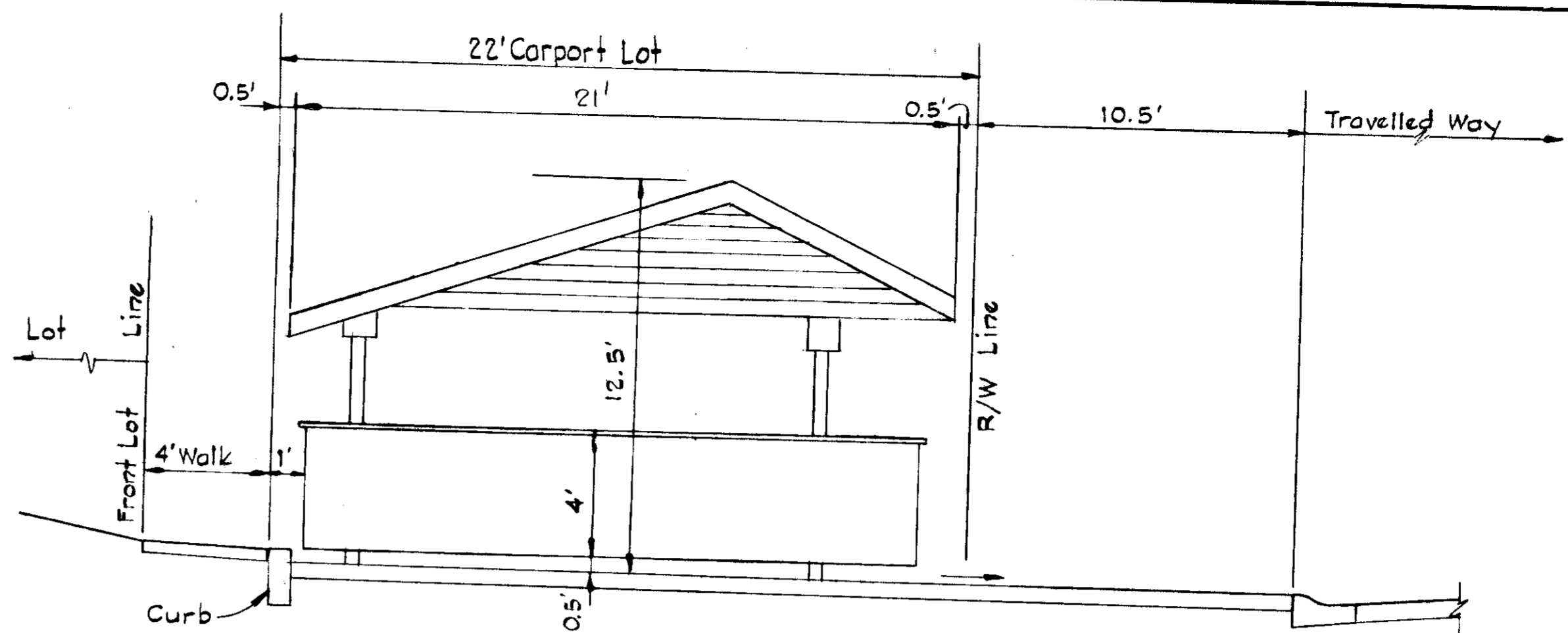
LIMIT OF SUBMISSION



TYPICAL SECTION - PUBLIC ROAD AND PARKING
No Scale

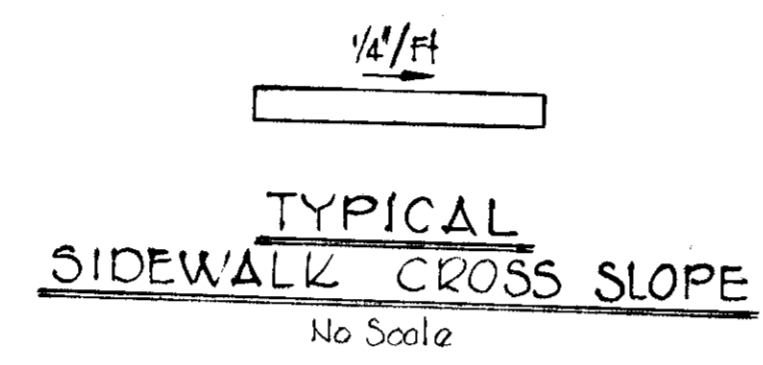


TYPICAL SECTION - PRIVATE PARKING
No Scale

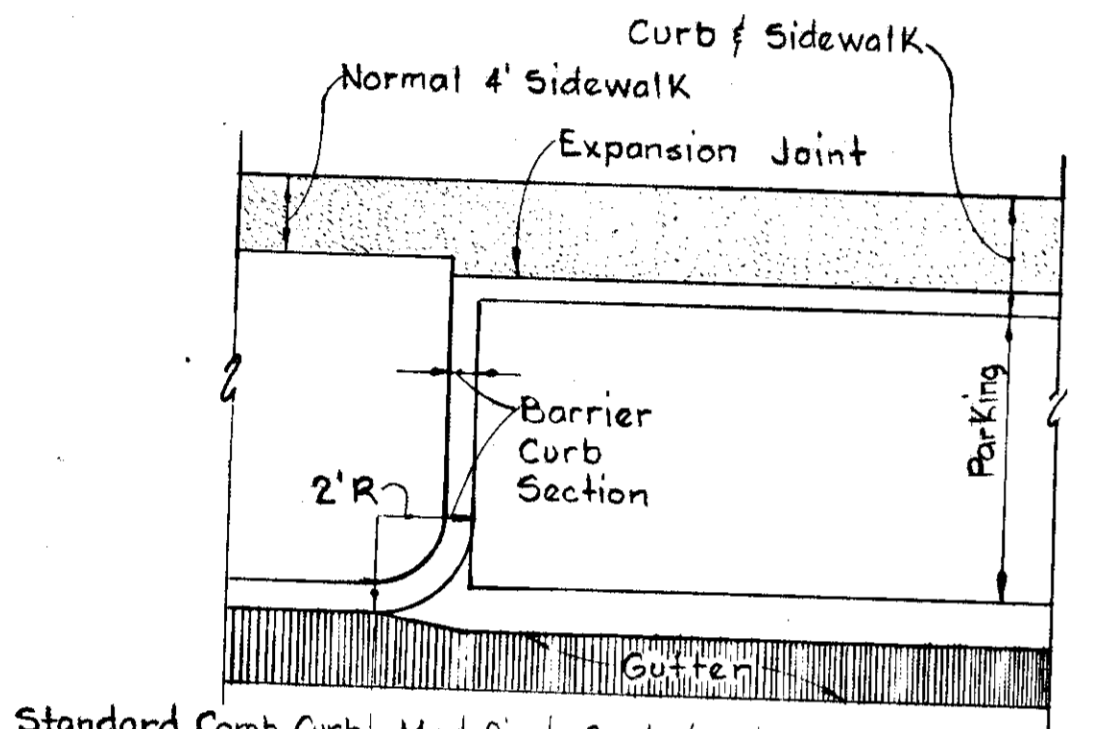


TYPICAL CARPORT ELEVATION
Scale: 1" = 4'

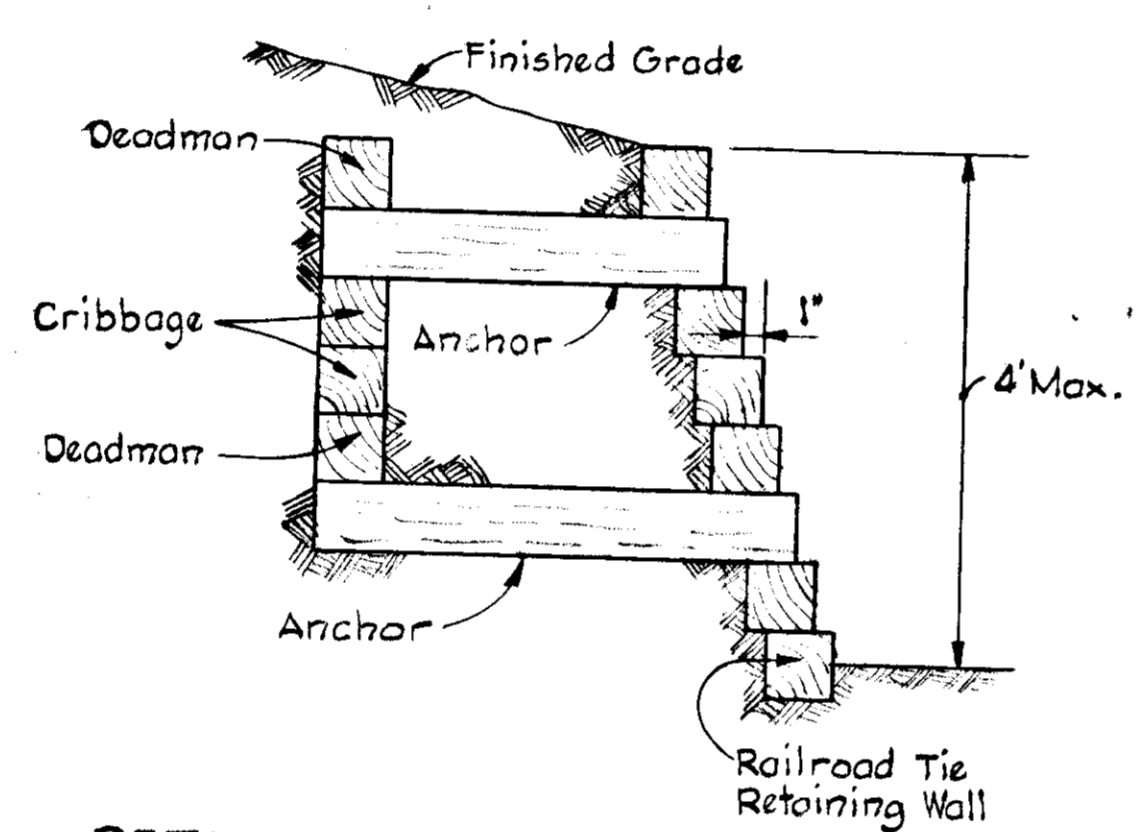
- NOTES:**
1. Base will be primed in accordance with C-30-3 as provided in the Howard County Road Construction Code and Standard Specifications.
 2. Tack Coat is required in accordance with Section C-31-4 of the Howard County Road Construction Code and Standard Specifications.
 3. All the materials and work required for the construction of the public streets shall be in accordance with the Howard County Road Construction Code and Standard Specifications. See Road Construction Drawings Village of Owen Brown Section 1 Area 1 Resubdivision of Parcels "E-2" and "E-3".
 4. Standard 7" Comb. Curb and Gutter shall be in accordance with County Standard D-40, Page 25.
 5. Paving (6 1/2") shall be in accordance with County Standard D-11, Page 66.
 6. Paving (5") shall be in accordance with County Standard D-13, Page 68.



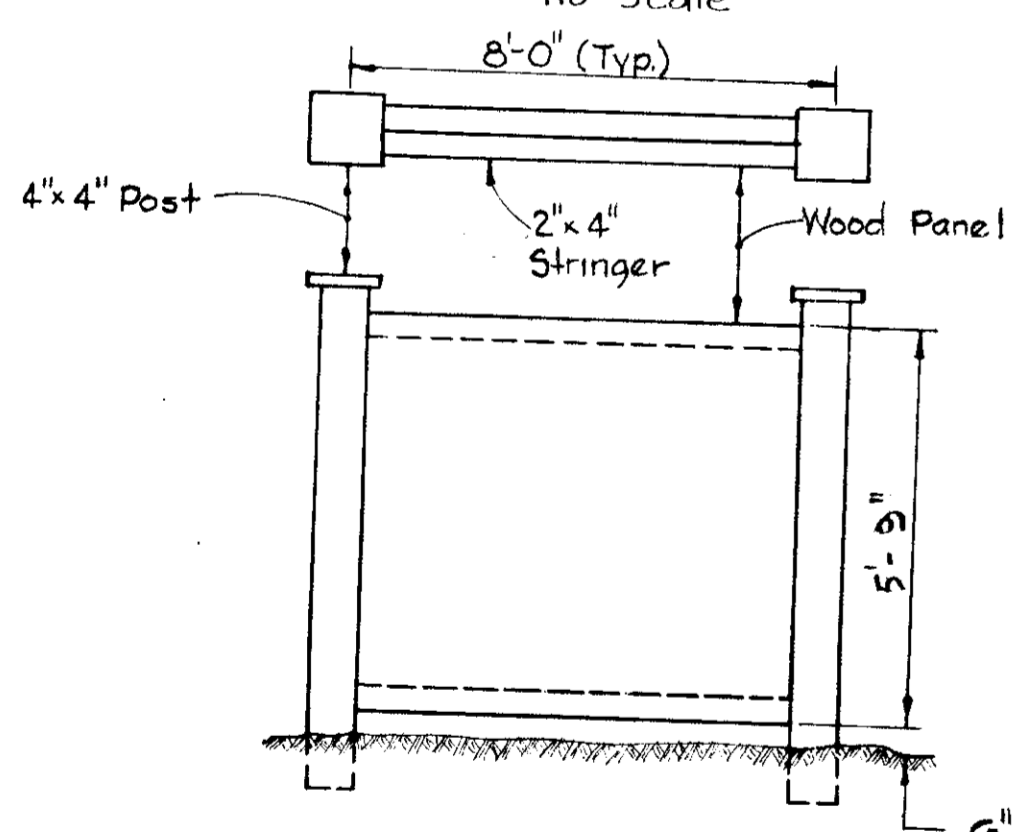
TYPICAL SIDEWALK CROSS SLOPE
No Scale



CURB & GUTTER TRANSITION DETAIL
No Scale



RETAINING WALL DETAIL
No Scale



SOLID WOOD PRIVACY FENCE
No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 10/23/75
 COUNTY HEALTH OFFICER DATE

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 10-27-75
 PLANNING DIRECTOR DATE

[Signature] 10/24/75
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 10-27-75
 DIRECTOR DATE

[Signature] 10/21/75
 CHIEF BUREAU OF HIGHWAYS DATE

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 9-22-75
[Signature]

HOWARD HOMES COMMUNITES, INC.
 OWNER AND DEVELOPER
 P.O. Box 802, COLUMBIA MARYLAND

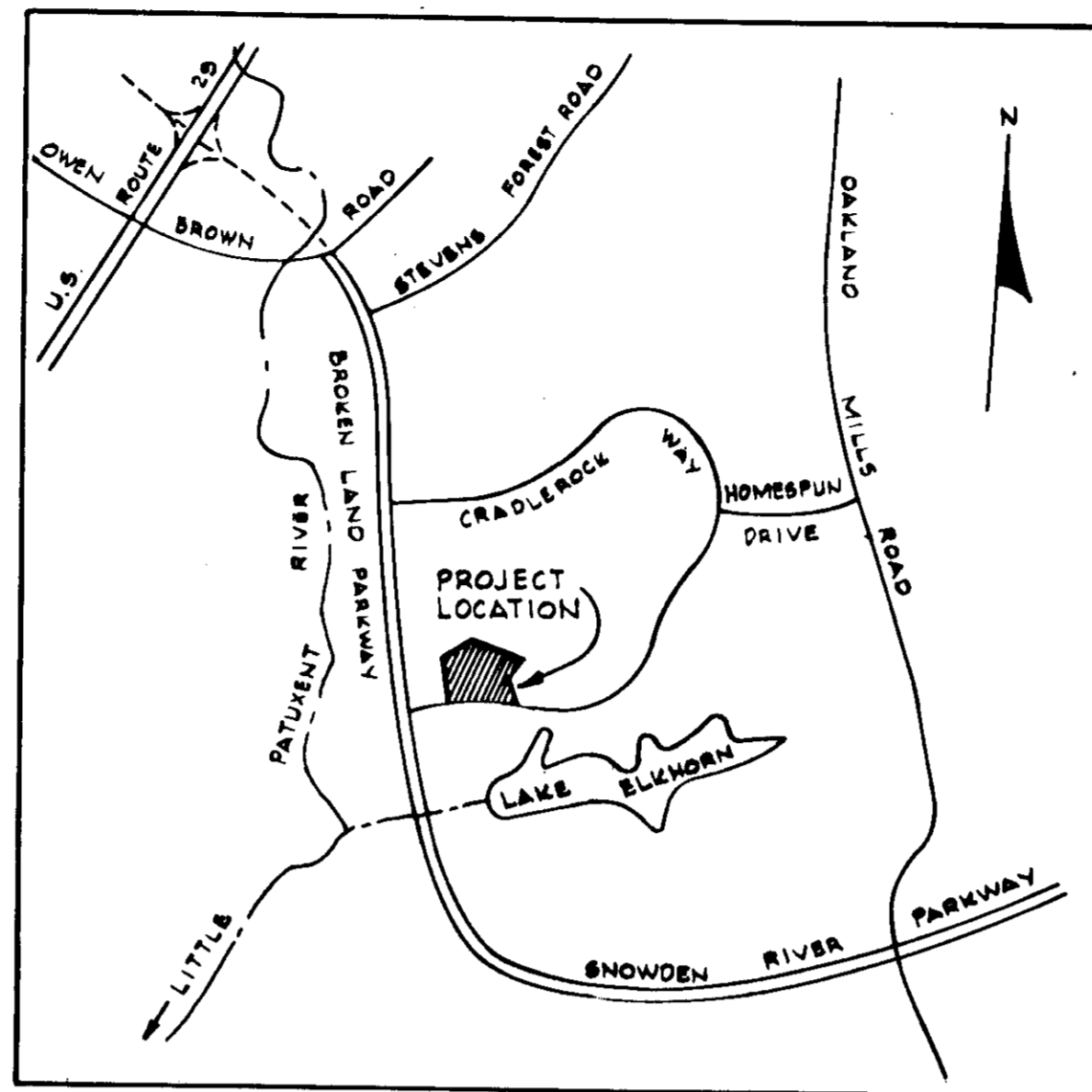
WHITMAN, REQUARDT & ASSOCIATES
 ENGINEERS
 1304 ST. PAUL STREET
 BALTIMORE, MARYLAND 21202
[Signature]
 Kenneth A. McCord P.E. No. 1974

COLUMBIA
SITE PLANS
 FOR
VILLAGE OF OWEN BROWN
 SECTION 1 AREA 1
 LOTS E5 THRU E-48
 A RESUBDIVISION OF PARCEL "E-2"
DETAIL SHEET
 SHEET 3 OF 9

ELECTION DISTRICT NO. 6, HOWARD COUNTY, MARYLAND
 DATE: Sept. 18, 1975
 SCALE: AS SHOWN
 SDP-76-15 C

GENERAL NOTES

1. Topography taken from aerial tops prepared by Maps Incorporated and verified by field-run survey.
2. Recording reference for Parcel "E-2" is Plat Book 3326
3. Water and sewer facilities are to be provided.
4. Open Space lots which include parking spaces and sidewalks shall be owned and maintained by a home owners association. Only the 25' travelled way portion of the 50' right-of-way shall be publicly maintained.
5. The minimum gross floor area of each unit excluding basement shall be 1,080 square feet.
6. All entrance walks to dwellings shall be 5' wide.
7. All other sidewalks shall be 4' wide concrete unless otherwise noted.
8. Curb return radii for roadways shall be 25' unless otherwise specified.
9. Dwellings shown hereon are 3 bedroom 2 story group dwellings with basements.
10. Minimum setback from all public streets shall be 30' unless otherwise approved by Howard County Planning Commission.
11. See Architectural plans for building details.

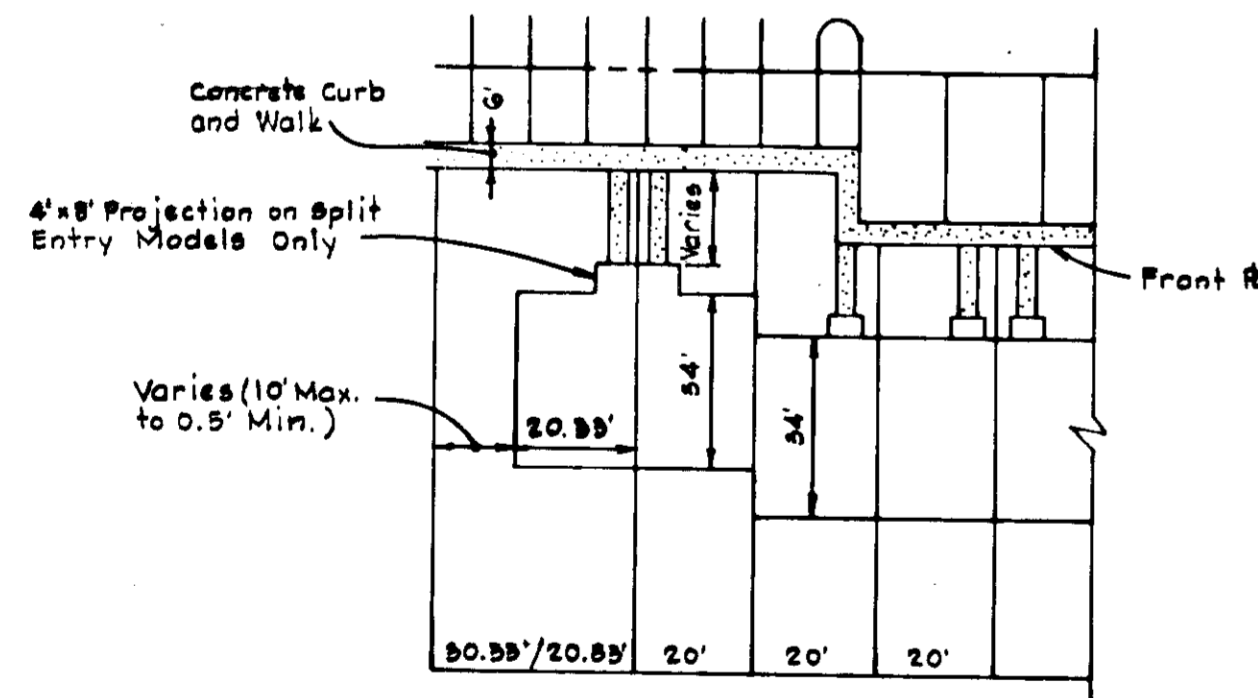


VICINITY MAP
Scale: 1" = 2000'

SPECIAL NOTES

This development plan includes all applicable information outlined in Data Sheet 150 Neighborhood Standards, F.H.A. Land Planning Bulletin No. 3 V.A. Pamphlet 4-4-B and conforms with lot improvements and detail lot grading of Chapter XII F.H.A. Minimum Property Requirements dated May 1969, and to all applicable ordinances and regulations.

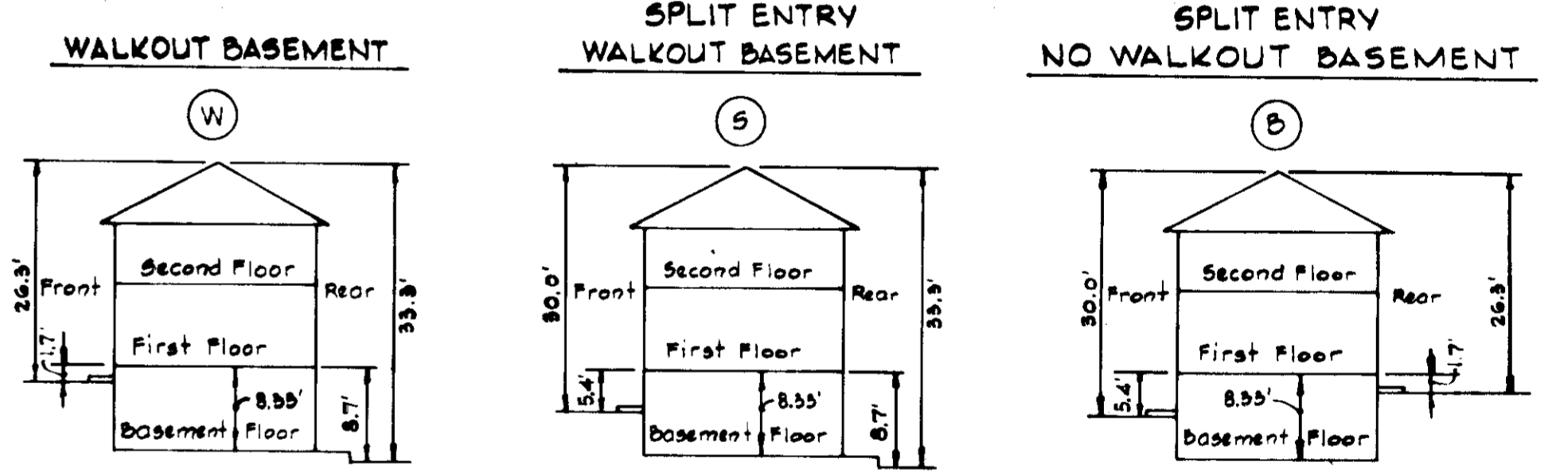
Drainage structures have been designed in accordance with sound engineering practice using recognized formulas and rainfall data currently prescribed by local authorities. These exhibits comply with the F.H.A. objectives, Minimum Property Standards, local acceptable standards and neighborhood requirements conform to all applicable local government ordinances and regulations and represent the best professional judgement of the designer.



OPEN SPACE
(Home Owners Association)
TYPICAL DWELLING
No Scale

SEQUENCE OF CONSTRUCTION

1. Construct and stabilize the Sediment Basin as shown on the Plans and as specified.
2. Clear and Grub the areas required for the construction of Parcel "E-2" and "E-3".
3. Construct and stabilize the Diversion Dikes as shown on the Plans and as specified.
4. Strip the site, construct and stabilize topsoil strips (see Sediment Control Note 5).
5. Provide stone at entrances from Cradlerock Way.
6. Grade the area and stabilize ditches and swales. (See Sediment Control Notes 3, 4 & 7)
7. Construct the storm drain systems and cap all inlets. Stabilize the outfall ditches.
8. Complete construction of utilities, houses, roadways, parking areas, sidewalks, etc., and stabilize all lawn areas.
9. Clean the storm drain systems.
10. Remove the Diversion Dikes and sediment basin after all construction in Parcel "E-2" and "E-3" is complete and ground is established in the contributing drainage area.



TYPICAL DWELLING ELEVATIONS
No Scale

SOIL CONSERVATION DATA

Area to be paved	2.7 Ac. - 24%
Area to be roofed	2.0 Ac. - 18%
Area to be revegetated	5.5 Ac. - 48%
Area to remain natural	1.1 Ac. - 10%
	11.1 Ac. - 100%

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND

DATE 9-23-75
[Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
[Signature] DATE 10/20/75
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] DATE 10-27-75
PLANNING DIRECTOR

APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] DATE 10/21/75
DIRECTOR

APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] DATE 10/21/75
CHIEF BUREAU OF HIGHWAYS

CERTIFICATION BY THE DEVELOPER
"I certify that all development and or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District."
[Signature] DATE 7-10-75
Signature of Developer Date

CERTIFICATION 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] DATE 6-27-75
KENNETH A. McCORD - P.E. 1974 Date

THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
[Signature] DATE 12-11-75
C. Wayne Ray
U.S. SOIL CONSERVATION SERVICE DATE

THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] DATE 10/21/75
APPROVED FOR HOWARD S.C.D. Date
PLAN NUMBER

HOWARD HOMES COMMUNITIES, INC.
OWNER AND DEVELOPER
P.O. BOX 802, COLUMBIA MARYLAND

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1904 ST. PAUL STREET
BALTIMORE MARYLAND 21202
[Signature]
Kenneth A. McCord - P.E. No. 1974

No.	DATE	DESCRIPTION OF REVISIONS

COLUMBIA
SEDIMENT CONTROL PLANS
FOR
VILLAGE OF OWEN BROWN
SECTION 1 AREA 1
LOTS E-5 THRU E-4B
A RESUBDIVISION OF PARCEL E-2
TITLE SHEET
SHEET 4 OF 9
ELECTION DISTRICT No. 6, HOWARD COUNTY, MARYLAND
DATE Sept. , 1975
SCALE: AS SHOWN
SDP-76-15C

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 9-22-75
[Signature]

Note:
 See Sheet 8 of 9 for
 Sediment Control
 Measures.

LEGEND

- 400--- Existing Contours (2' interval)
- 400- Proposed Contours (1' interval)
- (1) Building Group Number
- (2) Number of Units in Building Group
- E-16 Lot Number
- FF489.00 Proposed First Floor Elevation
- 312.00 Proposed Spot Elevation
- (T) Existing Tree Line
- T.C. Top Curb
- 29 Traveled Way (To be Publicly Maintained)
- Concrete Walk, Mosaic Walk
- (W) (S) (E) Building Types (See Cover Sheet)
- (T) Trees To Remain
- P --- Paved To Retaining Wall
- #7351 Street Address

PARCEL "F-1"

CERTIFICATION BY THE DEVELOPER
 "I certify that all development and or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District."
[Signature] 7-10-75
 Signature of Developer Date

CERTIFICATION 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] 7-11-75
 KENNETH A. McCORD - P.E. 1974 Date

No.	DATE	DESCRIPTION OF REVISIONS

**COLUMBIA
 SEDIMENT CONTROL PLANS
 FOR
 VILLAGE OF OWEN BROWN
 SECTION 1 AREA 1
 LOTS E-5 THRU E-48
 A RESUBDIVISION OF PARCEL E-2
GRADING PLAN
 SHEET 5 OF 9**

ELECTION DISTRICT No. 6, HOWARD COUNTY, MARYLAND
 DATE: Sept. 1975 SCALE: 1"=30'



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 DISTRICT HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER
 DATE 10/27/75

APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR
 DATE 10/27/75

APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 CHIEF, DEPARTMENT OF PUBLIC WORKS
 DATE 10/27/75

HOWARD HOMES COMMUNITIES, INC.
 OWNER AND DEVELOPER
 PO Box 802, COLUMBIA MARYLAND

LAND DESIGN/RESEARCH
 PLANNER
 AMERICAN CIVIL ENGINEERING SOCIETY
 401 N. W. 10th St., MIAMI, FLA. 33136

WHITMAN, REQUARDT & ASSOCIATES
 INCORPORATED
 401 N. W. 10th St., MIAMI, FLA. 33136
 BALTIMORE, MARYLAND 21202

[Signature]
 KENNETH A. McCORD - P.E. 1974

THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
[Signature] 10-14-75
 U.S. SOIL CONSERVATION SERVICE DATE

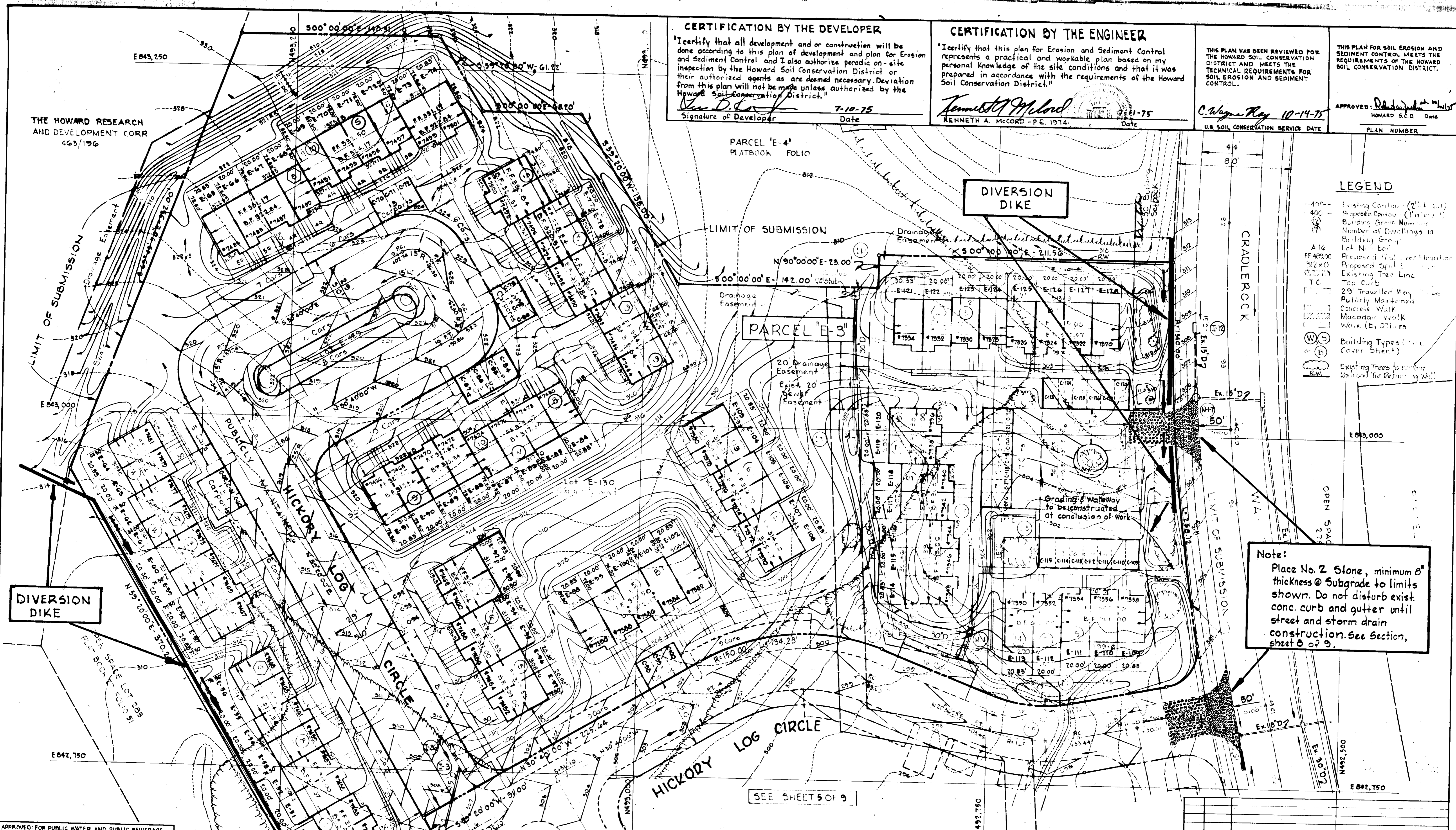
THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *[Signature]* 10/14/75
 HOWARD S.C.D. Date
 PLAN NUMBER

THE HOWARD RESEARCH AND DEVELOPMENT CORP
463/196

CERTIFICATION BY THE DEVELOPER
 "I certify that all development and or construction will be done according to this plan of development and plan for Erosion and Sediment Control and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District."
Thomas D. Harris
 Signature of Developer 7-10-75
 Date

CERTIFICATION 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."
Kenneth A. McCord
 Signature of Engineer 7-21-75
 Date
 KENNETH A. McCORD - P.E. 1974

THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
C. Wayne Ray 10-14-75
 U.S. SOIL CONSERVATION SERVICE DATE
 APPROVED: *Richard J. ...*
 HOWARD S.C.D. Date
 PLAN NUMBER



- LEGEND**
- 100- Existing Contour (2' Int. Cont.)
 - 400- Proposed Contour (2' Int. Cont.)
 - ⊙ Building Footprint
 - ⊙ Building Footprint
 - ⊙ Number of Dwellings in Building Group
 - ⊙ Lot Number
 - A-16 Proposed Final Configuration
 - 3/2 x 0 Proposed Street
 - ⊙ Existing Tree Line
 - T.C. Top Curb
 - 29' Traveled Way
 - Publicly Maintained Concrete Walk
 - Macadam Walk
 - Walk (B.O.T.ers)
 - ⊙ Building Types (See Cover Sheet)
 - ⊙ Existing Trees to remain (Unless The Reverse is Shown)

Note:
 Place No. 2 Stone, minimum 8" thickness @ Subgrade to limits shown. Do not disturb exist. conc. curb and gutter until street and storm drain construction. See Section, sheet 8 of 9.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Thomas D. Harris
 COUNTY HEALTH OFFICER 10-27-75
 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas D. Harris
 PLANNING DIRECTOR 10-27-75
 DATE

APPROVED: DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
Thomas D. Harris
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING 10-27-75
 DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Thomas D. Harris
 DIRECTOR 10-27-75
 DATE

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE: 9-22-75
Thomas D. Harris

HOWARD HOMES COMMUNITIES, INC.
 OWNER / DEVELOPER
 PO Box 802, COLUMBIA MARYLAND

LAND DESIGN / RESEARCH
 PLANNER
 AMERICAN CITIES BUILDING
 COLUMBIA, MARYLAND

WHITMAN, REQUARDT & ASSOCIATES
 ENGINEERS
 1304 54 PAUL STREET
 BALTIMORE, MARYLAND 21202
Kenneth A. McCord

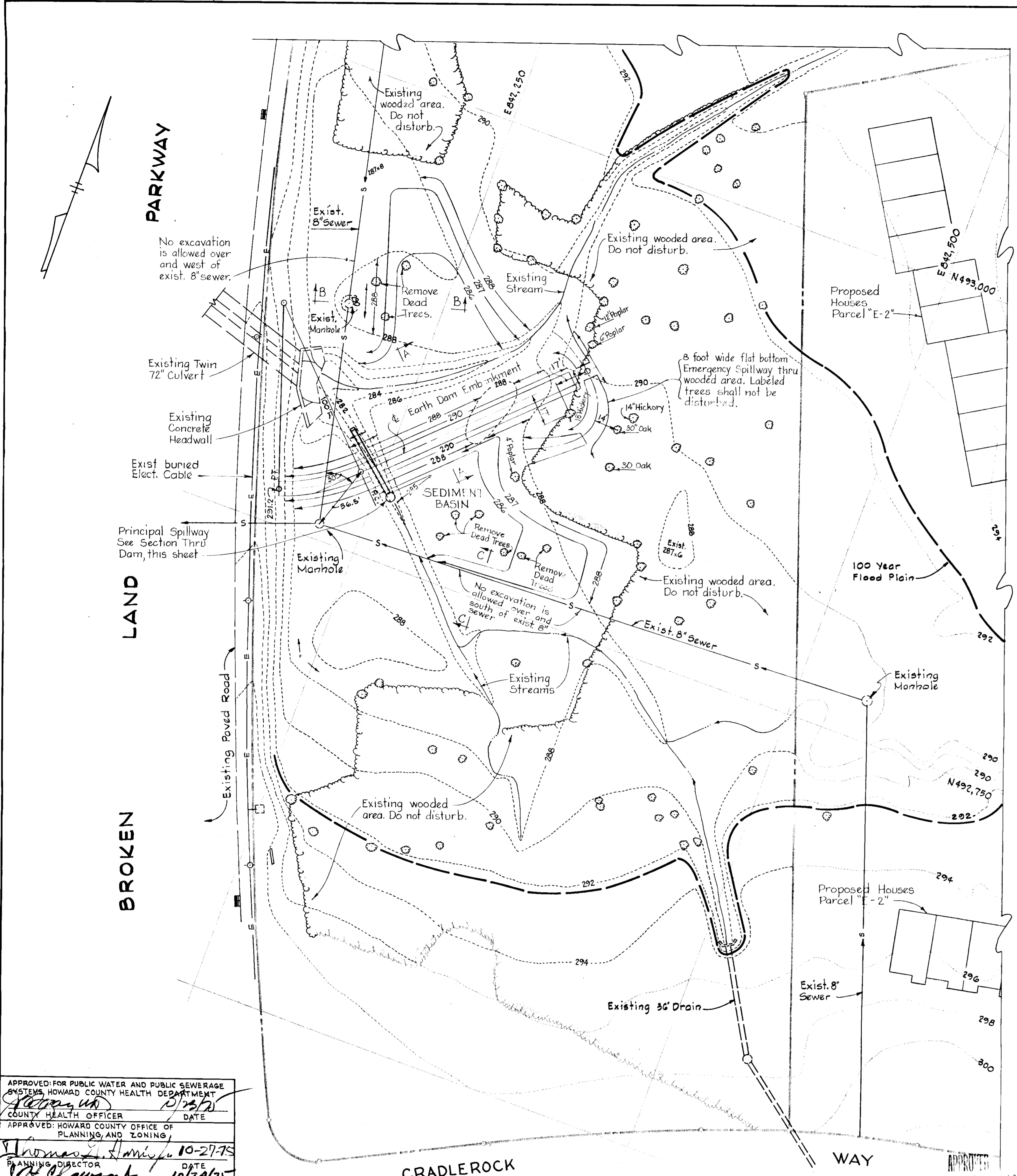
No.	DATE	DESCRIPTION OF REVISIONS

COLUMBIA SEDIMENT CONTROL PLANS FOR VILLAGE OF OWEN BROWN

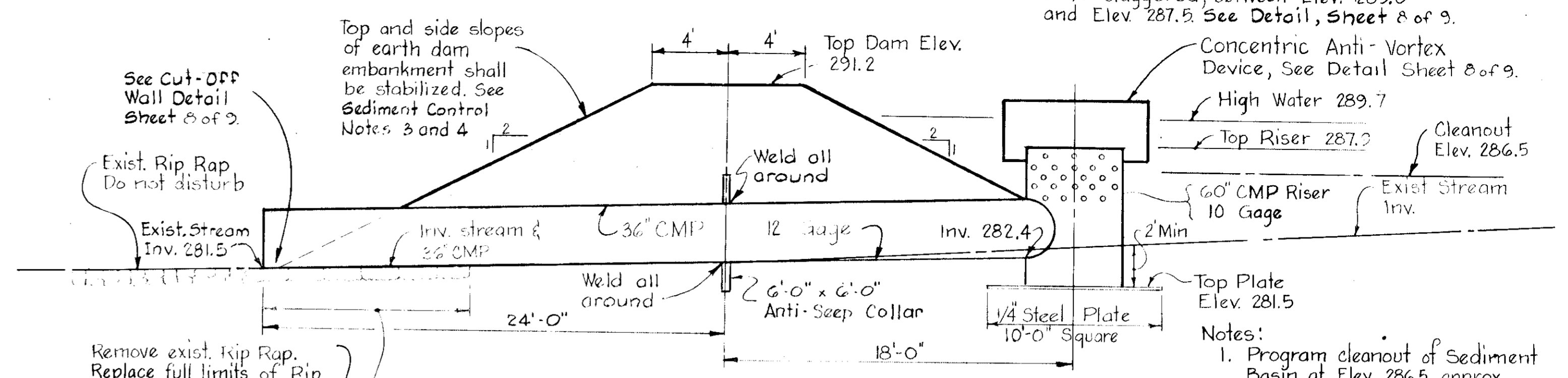
SECTION 1 AREA 1
 LOTS E-5 THRU E-48
 A RESUBDIVISION OF PARCEL E-2

GRADING PLAN
 SHEET 6 OF 9

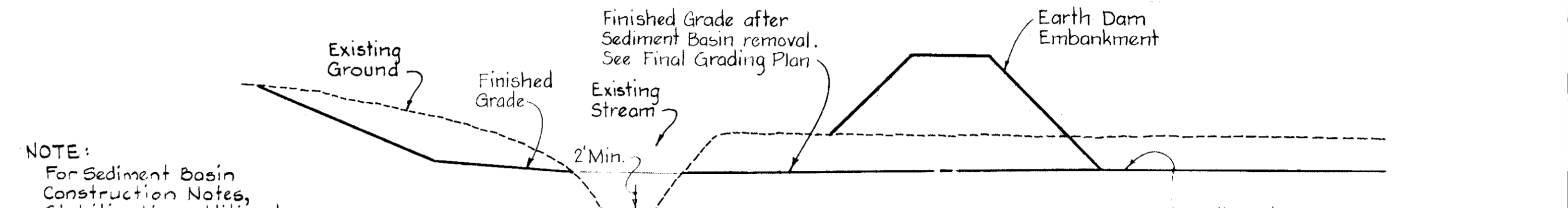
ELECTION DISTRICT No. 6, HOWARD COUNTY, MARYLAND
 DATE: Sept., 1975 SCALE: 1"=30'
 SDP-76-15c



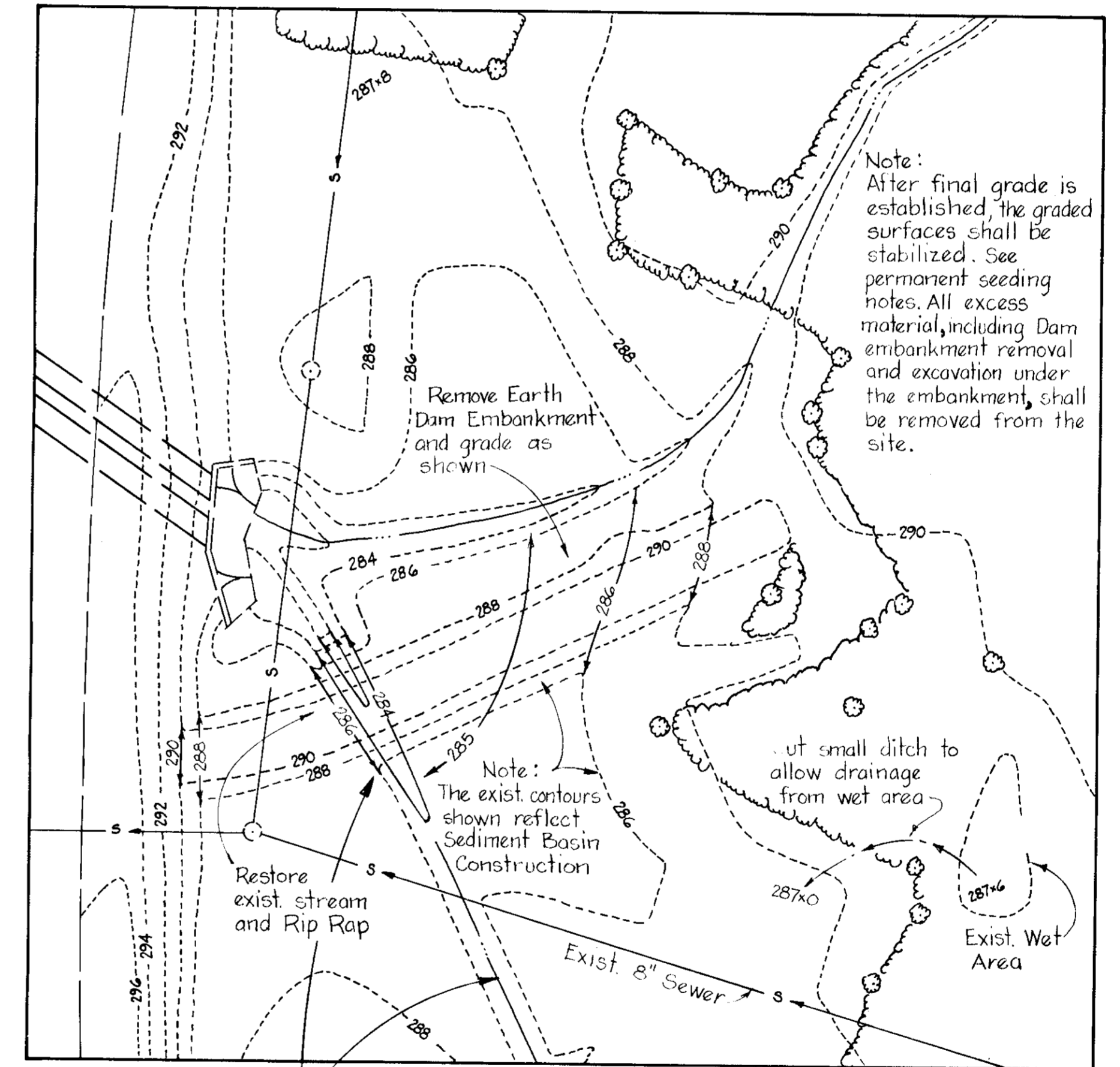
PLAN (SEDIMENT BASIN)
Scale: 1" = 30'



SECTION THRU DAM
Scale: 1" = 5'



SECTION A-A
Scale: Hor. 1" = 10', Vert. 1" = 5'



FINAL GRADING PLAN
(SEDIMENT BASIN REMOVAL)
Scale: 1" = 30'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 10/21/75
COUNTY HEALTH OFFICER
DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 10-27-75
PLANNING DIRECTOR
DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS, AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 10-22-75
DIRECTOR
DATE

[Signature] 10/21/75
CHIEF, BUREAU OF HIGHWAYS
DATE

DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
10-22-75

HOWARD HOMES COMMUNITIES, INC.
OWNER / DEVELOPER
P.O. BOX 802, COLUMBIA MARYLAND

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1804 ST. PAUL STREET
BALTIMORE MARYLAND 21202
[Signature]
Kenneth A. McCord P.E. No. 1974

Note: Provide 1/2" x 4" perforations in 60" Riser
6" x 6" staggered, between Elev. 285.0 and Elev. 287.5. See Detail, Sheet 8 of 9.

Concentric Anti-Vortex Device, See Detail Sheet 8 of 9.

High Water 289.7

Cleanout Elev. 286.5

60" CMP Riser 10 Gage

Exist Stream Inv.

Top Plate Elev. 281.5

Notes:

1. Program cleanout of Sediment Basin at Elev. 286.5 approx. once every 25 days. Provide painted stripe on 60" Riser @ elev. 286.5
2. Compaction of Earth Dam Embankment and Fill around 60" Riser shall be 90% of AASHTO T-180.

CERTIFICATION BY THE DEVELOPER

"I certify that all development and or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary. Deviation from this plan will not be made, unless authorized by the Howard Soil Conservation District."

[Signature] 7-10-75
Signature of Developer Date

CERTIFICATION 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] 6-27-75
KENNETH A. MCCORD - P.E. 1974 Date

THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *[Signature]* 10-14-75
HOWARD S.C.D. DATE

U.S. SOIL CONSERVATION SERVICE DATE PLAN NUMBER

No.	DATE	DESCRIPTION OF REVISIONS

COLUMBIA
SEDIMENT CONTROL PLANS
FOR
VILLAGE OF OWEN BROWN
SECTION 4 AREA 1
LOTS E-5 THRU E-4B
A RESUBDIVISION OF PARCEL E-2
SEDIMENT BASIN PLAN
AND DETAILS
SHEET 7 OF 9

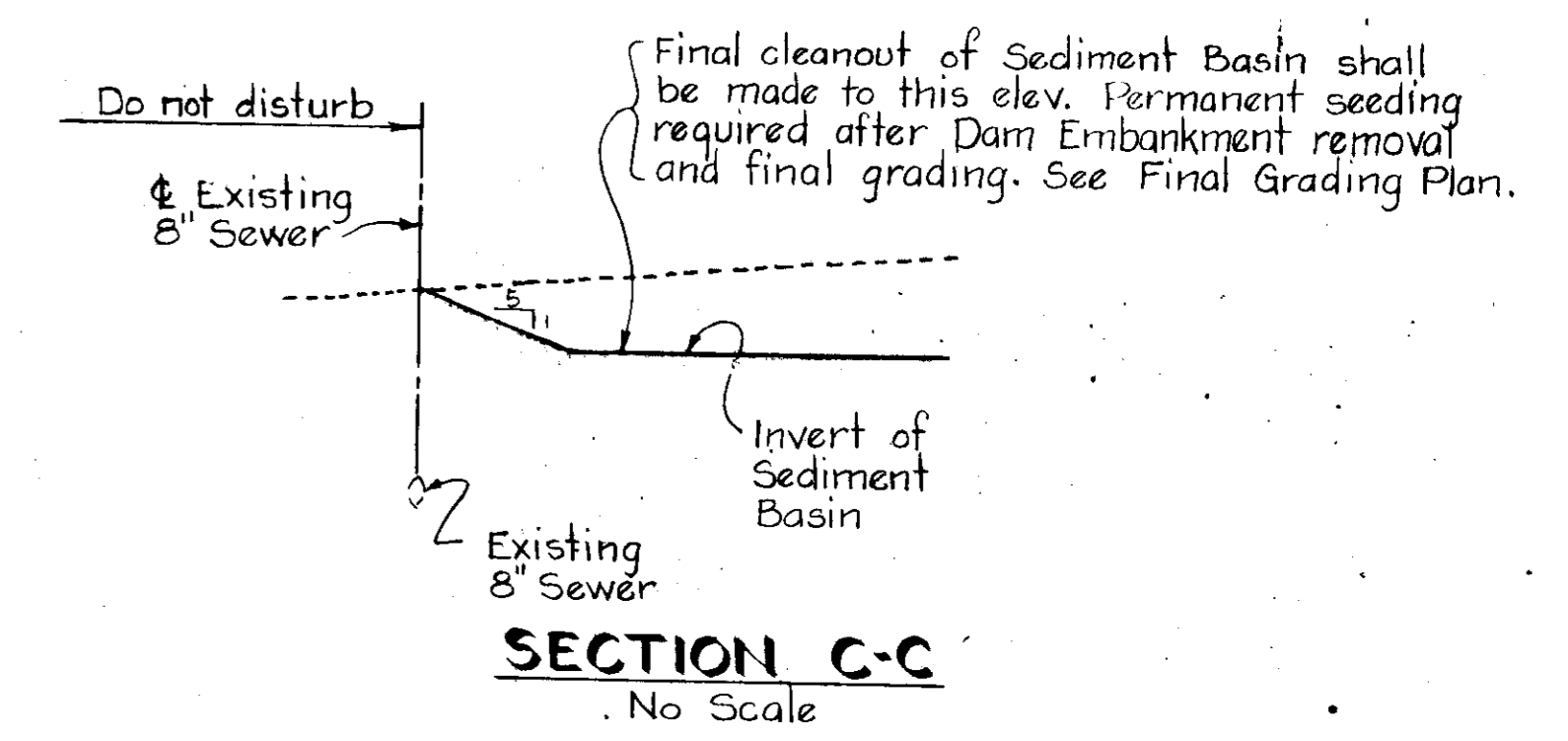
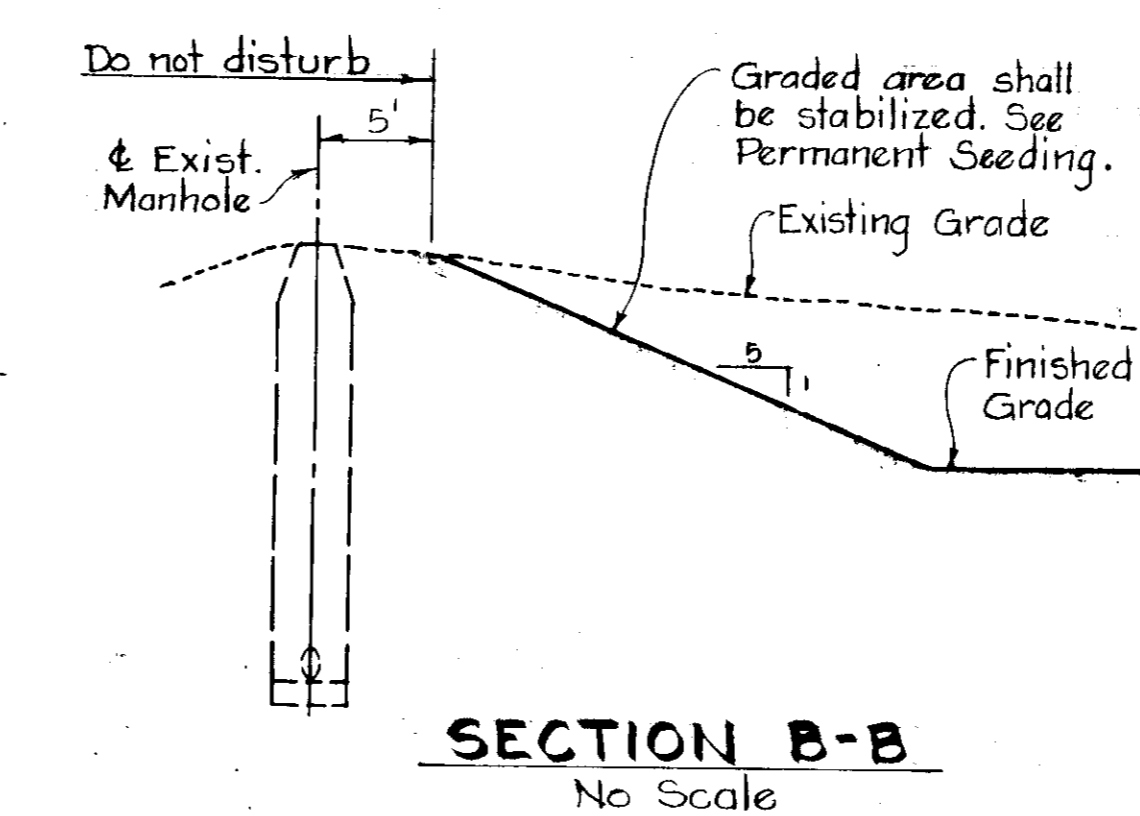
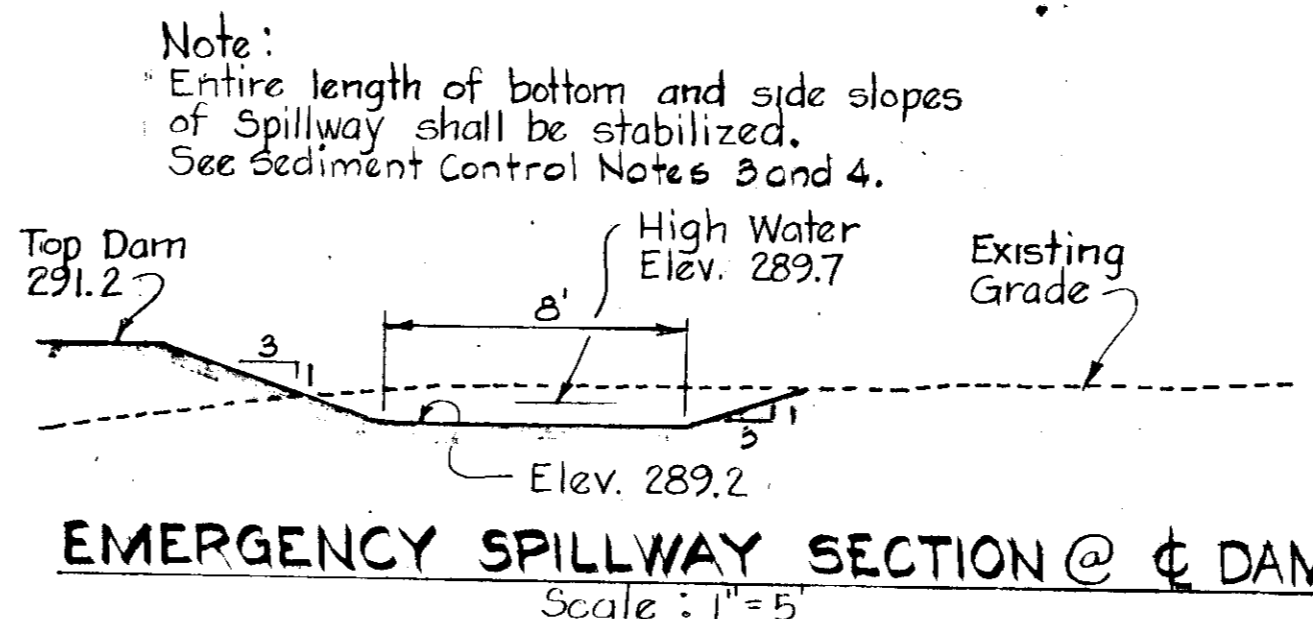
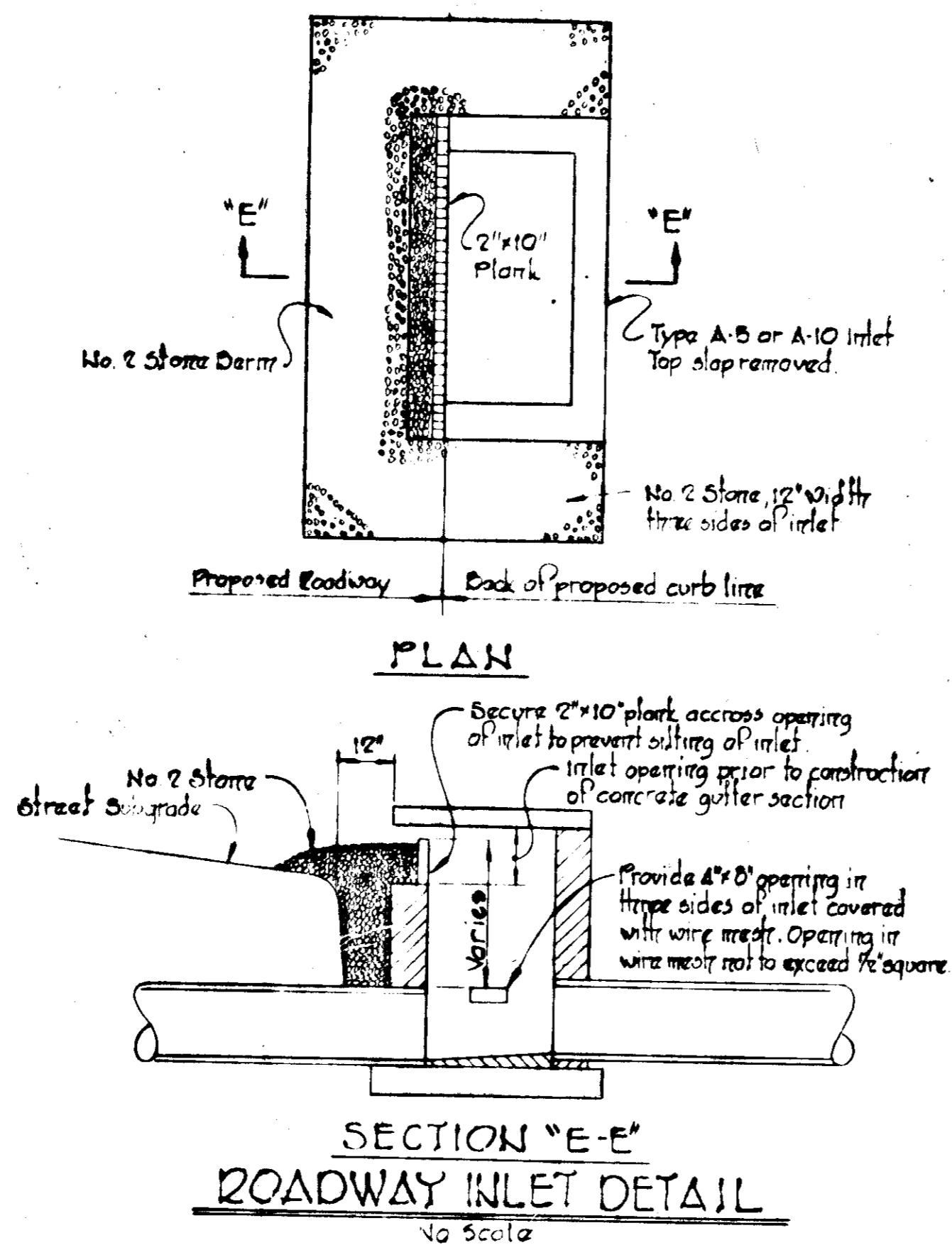
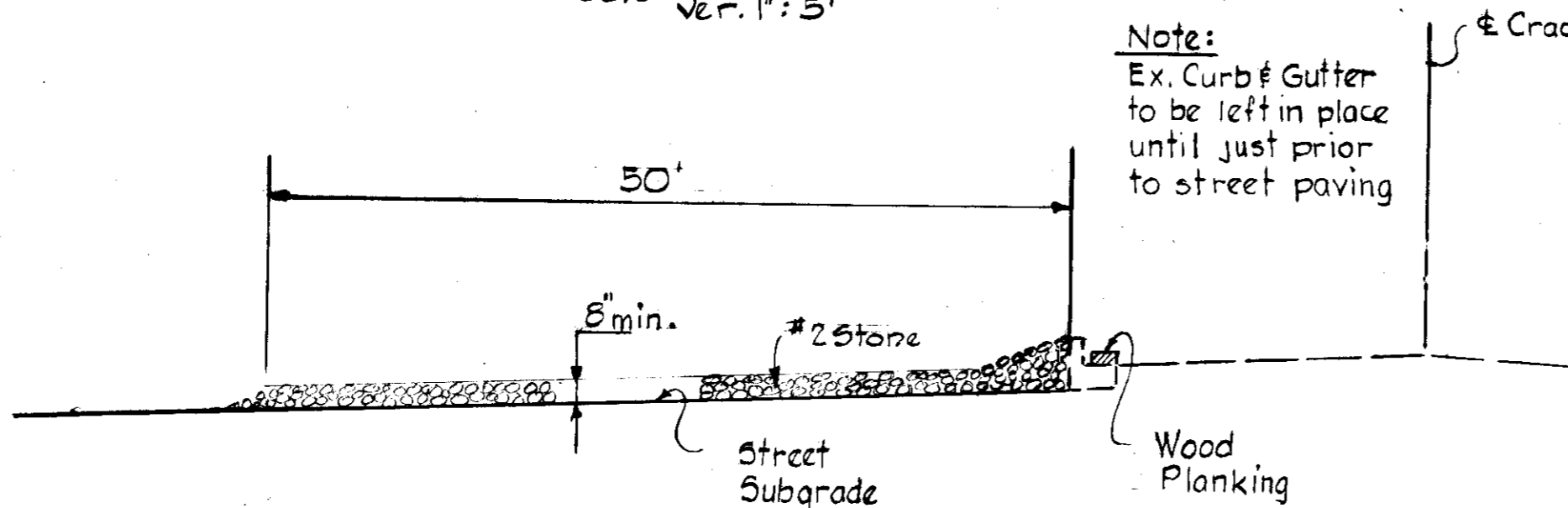
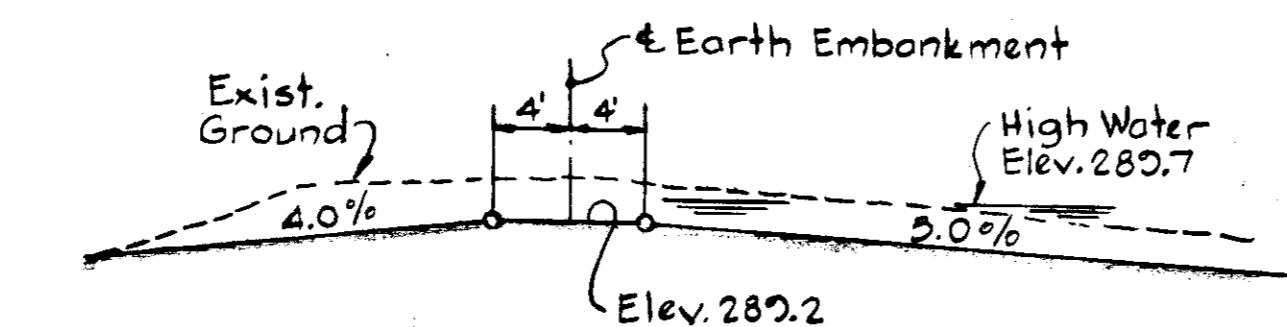
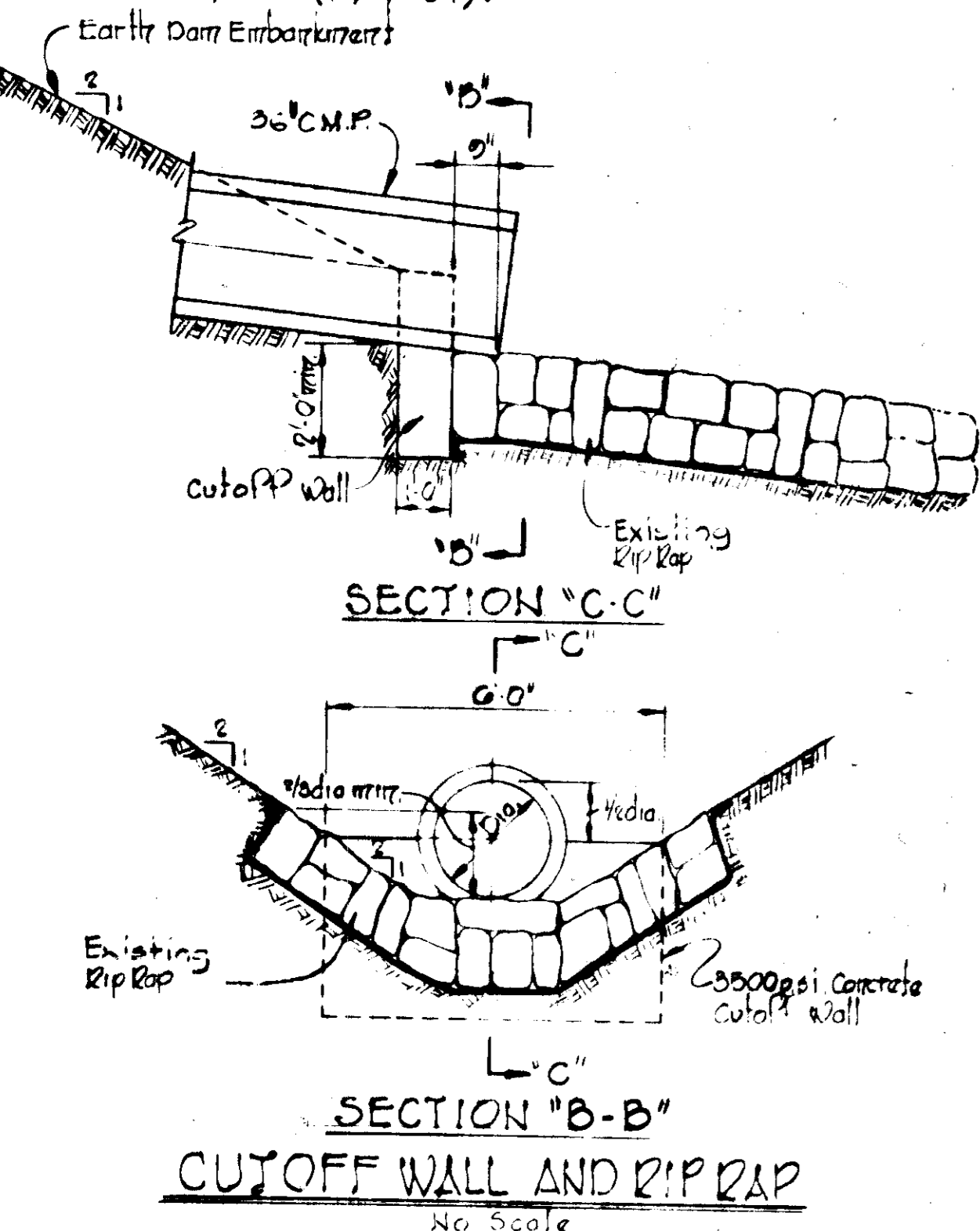
ELECTION DISTRICT No. G, HOWARD COUNTY, MARYLAND
DATE: Sept. 1975 SCALE: AS SHOWN
SDP-76-15c

SEDIMENT CONTROL NOTES

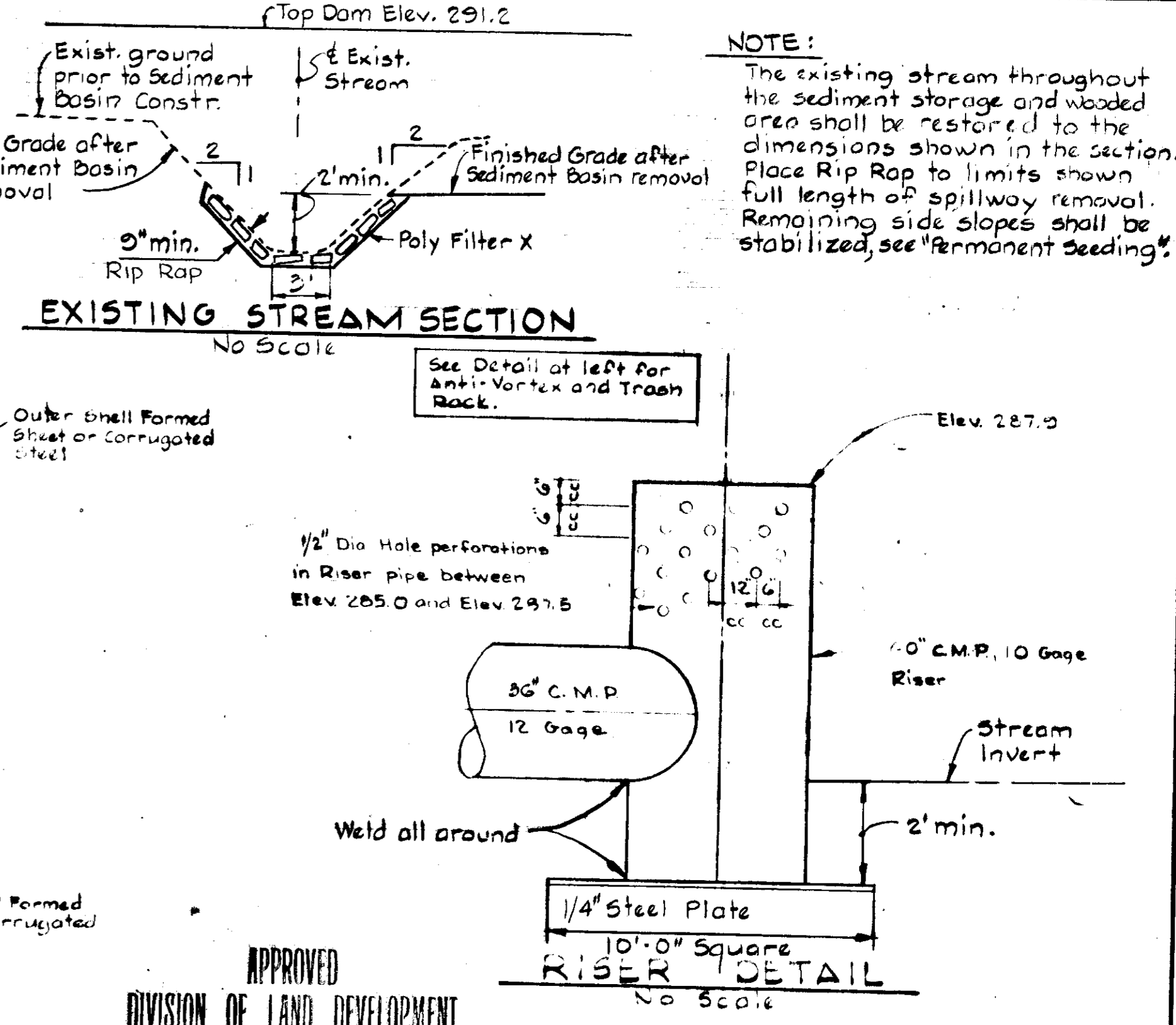
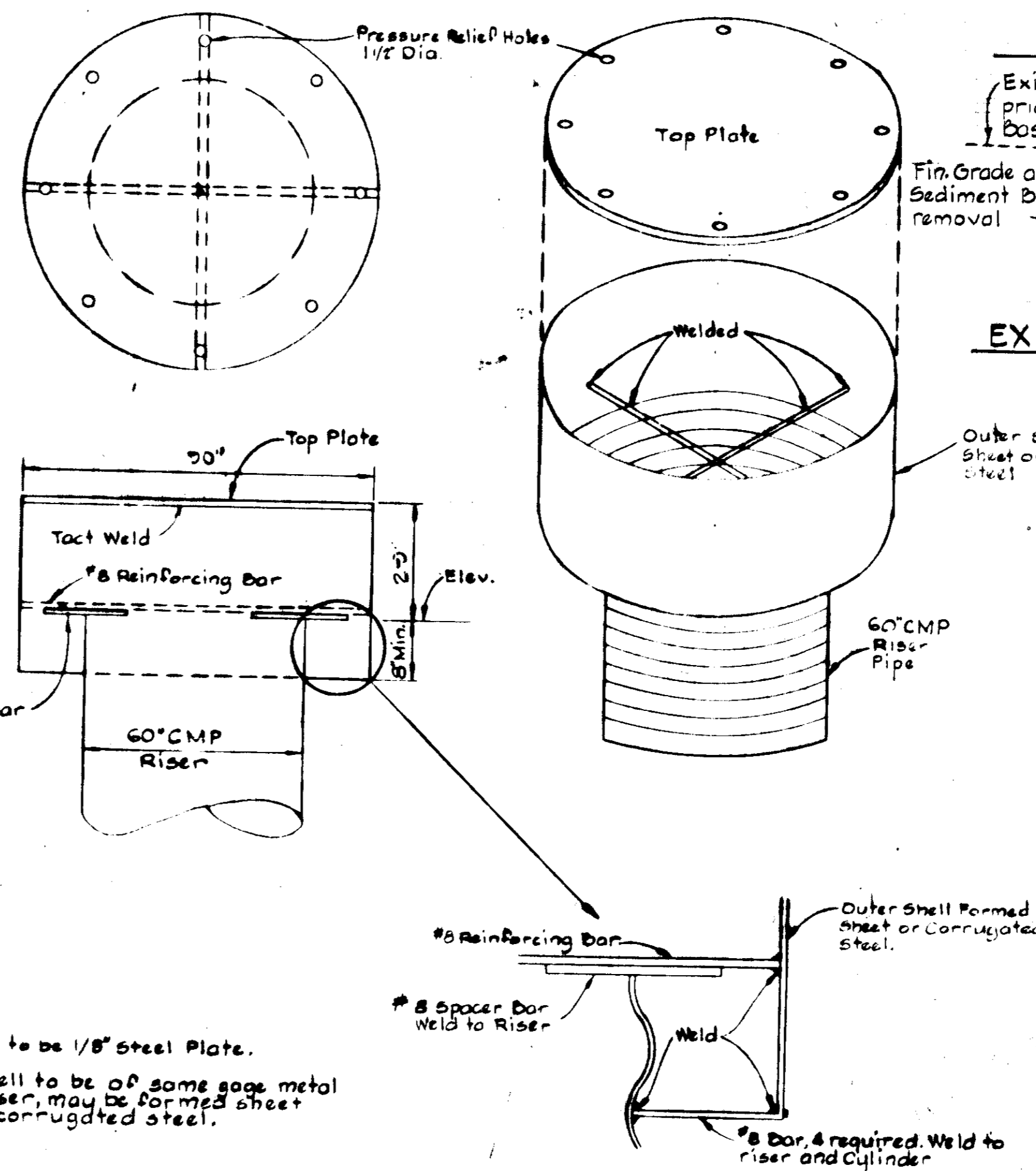
- All sediment control measures must be constructed and stabilized according to notes B&C prior to any other grading on the site.
- No temporary sediment control structure may be removed or destroyed without approval of the Howard County Soil Conservation District.
- All areas to be seeded shall receive Italian rye grass at the rate of 40#/acre. Sow with mechanical spreader, rake minimum of two (2) passes with "York Rake" cover and compact with cultipacker. Surface preparation to include ground limestone over topsoil surface area at the rate of One Ton/Acre (50%/1000#) commercial fertilizer (5-10-10) at the rate of 3/4 Ton/Acre (35%/1000#).
- Mulch areas with straw at rate of 50#/1000# or One Ton/Acre. Anchor with asphalt at rate of 480 Gallons/Acre. Drainage swales with slopes greater than 2% will be mulched as stated but the mulch in the center of the channel will be anchored with plastic netting 1/2" according to manufacturer's recommendations.
- Prior to starting grading, the contractor shall give 24 hrs. notice to the Howard Soil Conservation District and the Howard County Bureau of Licenses, Inspections and Permits.
- All earthwork stockpiles that will not be disturbed for 4 months or longer shall immediately after piling be fertilized, limed and seeded with annual Ryegrass at the rate of 1#/1000#, and mulched according to note 4.
- All Dikes, Basins and Drainage Swales shall be stabilized immediately after construction of same according to notes B&C.

PERMANENT SEEDING

Limings: 1 Ton/Acre agricultural ground limestone.
 Fertilizer: 1000 lbs./Acre (5-10-10).
 Seeding: 100 lbs./Acre of the following:
 20% Kentucky Blue Grass
 20% Merion Blue Grass
 55% Creeping Red Fescue
 5% Redtop
 Mulch as stated under note 4 above.
 Stabilization of slopes steeper than 3:1 shall be planted with crownvetch, inoculated 15#/acre (0.54#/1000#), Kentucky 31 tall fescue 40#/Acre (1#/1000#).



- ### CONSTRUCTION NOTES (Sediment Basin)
- Prior to any work, the contractor shall locate and flag the existing sanitary sewers on the west and south sides of the proposed work. See Plan and Sections B-B and C-C for excavation limits.
 - The dead trees as shown on the Plan shall be removed from the site. Small trees and brush in the way of Emergency Spillway construction shall be flagged for removal from the site by the Engineer in the field. The labeled trees adjacent to the Embankment and Emergency Spillway shall not be disturbed. All other trees outside of the construction area shall not be disturbed.
 - Stone Rip Rap in the existing stream shall be removed to allow for placement of the Principal Spillway and the Earth Embankment. See Section Thru Dam on Sheet 7. The stone Rip Rap shall be replaced in the stream after Sediment Basin removal.
 - The Earth Embankment and Emergency Spillway shall be stabilized according to Sediment Control Notes B&C & Permanent seeding is required in the excavated area north of the Earth Embankment.
 - Permanent seeding is required on all graded and disturbed surfaces after Sediment Basin removal. See "Final Grading Plan".
 - Stream flow in the existing stream north of the Earth Embankment shall be maintained at all times during Sediment Basin construction.



APPROVED FOR PUBLIC WORKS AND PUBLIC SEWERAGE SYSTEM, HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER DATE: 10/22/75
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
 PLANNING DIRECTOR DATE: 10/27/75
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE: 10/21/75
 APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 DIRECTOR DATE: 10/22/75
 CHIEF, BUREAU OF HIGHWAYS DATE: 10/21/75

THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
 L. Wayne Ray 10-14-75
 U.S. Soil Conservation Service Date

THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT
 Approved: Robert J. Johnson 10/14/75
 HOWARD S.C.D. DATE

CERTIFICATION BY THE DEVELOPER
 I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
 Signature of Developer: Kenneth A. McCord 7-10-75
 DATE

CERTIFICATION 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: Kenneth A. McCord 6-27-75
 KENNETH A. MCCORD - P.E. No. 10724 DATE

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE: 9-22-75
 HOWARD HOMES COMMUNITES, INC.
 OWNER/DEVELOPER
 P.O. Box 802, COLUMBIA MARYLAND
 WHITMAN, REQUARD & ASSOCIATES
 ENGINEERS
 1304 ST. PAUL STREET
 BALTIMORE, MARYLAND 21202
 Kenneth A. McCord
 KENNETH A. MCCORD - P.E. 10724

NO.	DATE	DESCRIPTION OF REVISION
COLUMBIA SEDIMENT CONTROL PLANS FOR VILLAGE OF OWEN BROWN SECTION 1 AREA 1 LOTS E-5 THRU E-4B A RESUBDIVISION OF PARCEL E-2 DETAIL SHEET SHEET 3 OF 9		
ELECTION DISTRICT NO. 6, HOWARD COUNTY, MARYLAND DATE: Sept. 1975 SCALE: AS SHOWN SDP-76-15c		