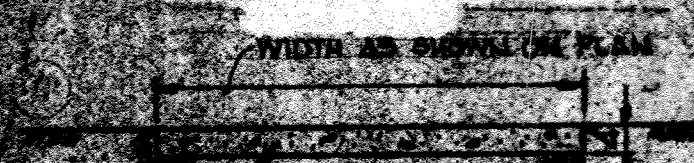


**NOTES:**  
 1. A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-91.4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.  
 2. BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-90.9 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.

**PAVING SECTION**  
 No Scale



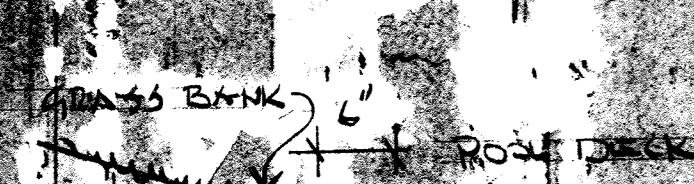
**SIDEWALK DETAIL**  
 No Scale



**WHEEL STOP**  
 No Scale



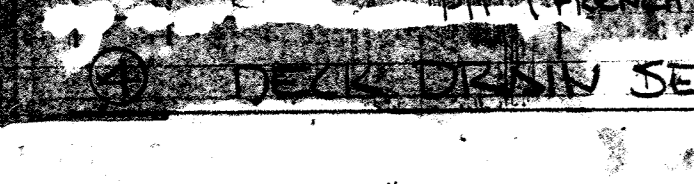
**CONCRETE WHEEL STOP**  
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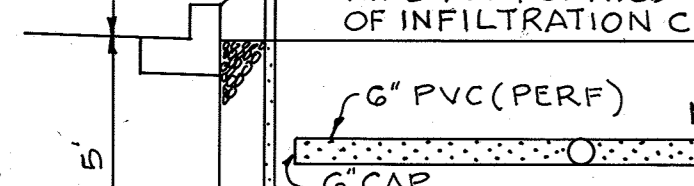
**CONCRETE WHEEL STOP**  
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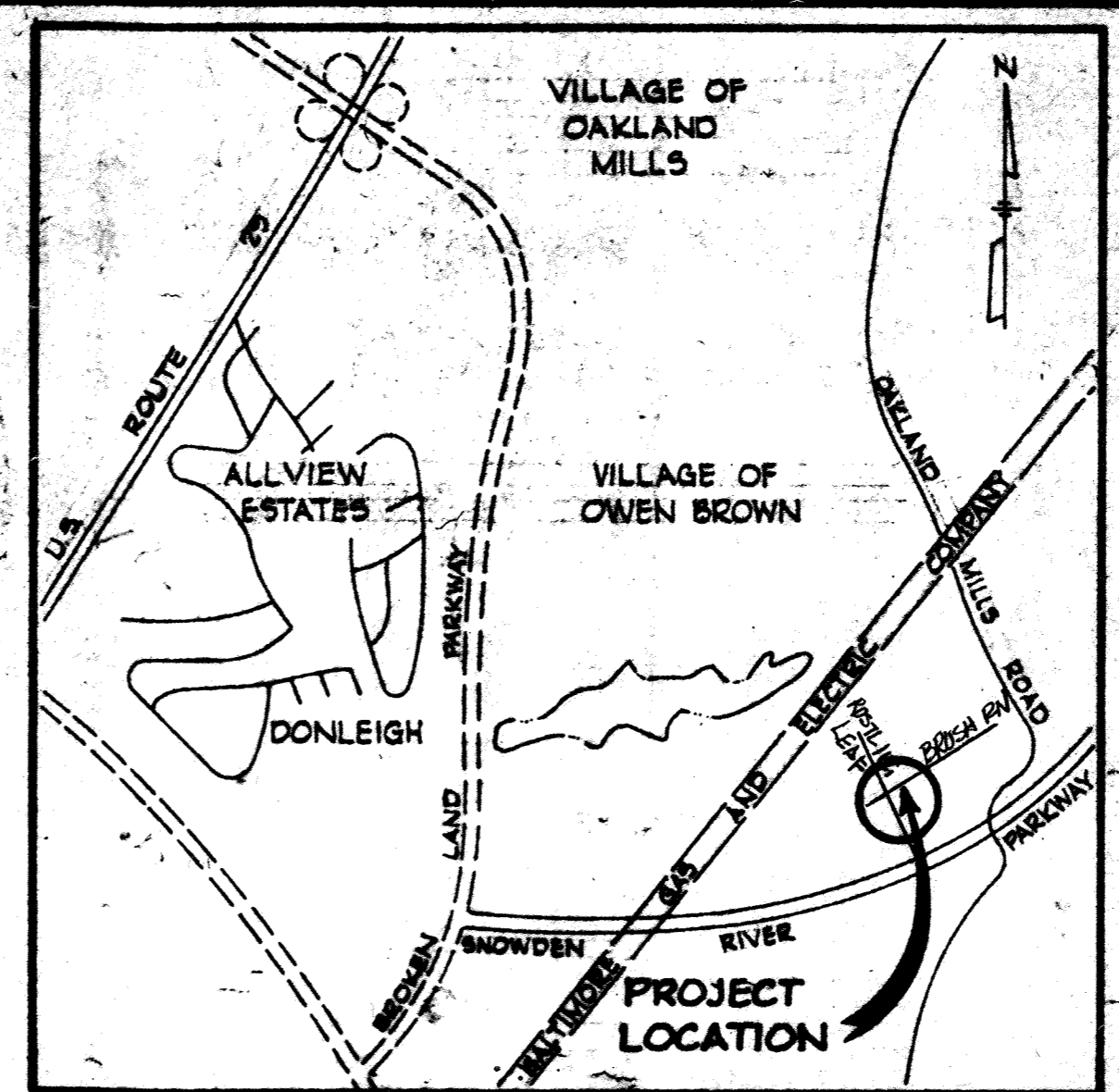
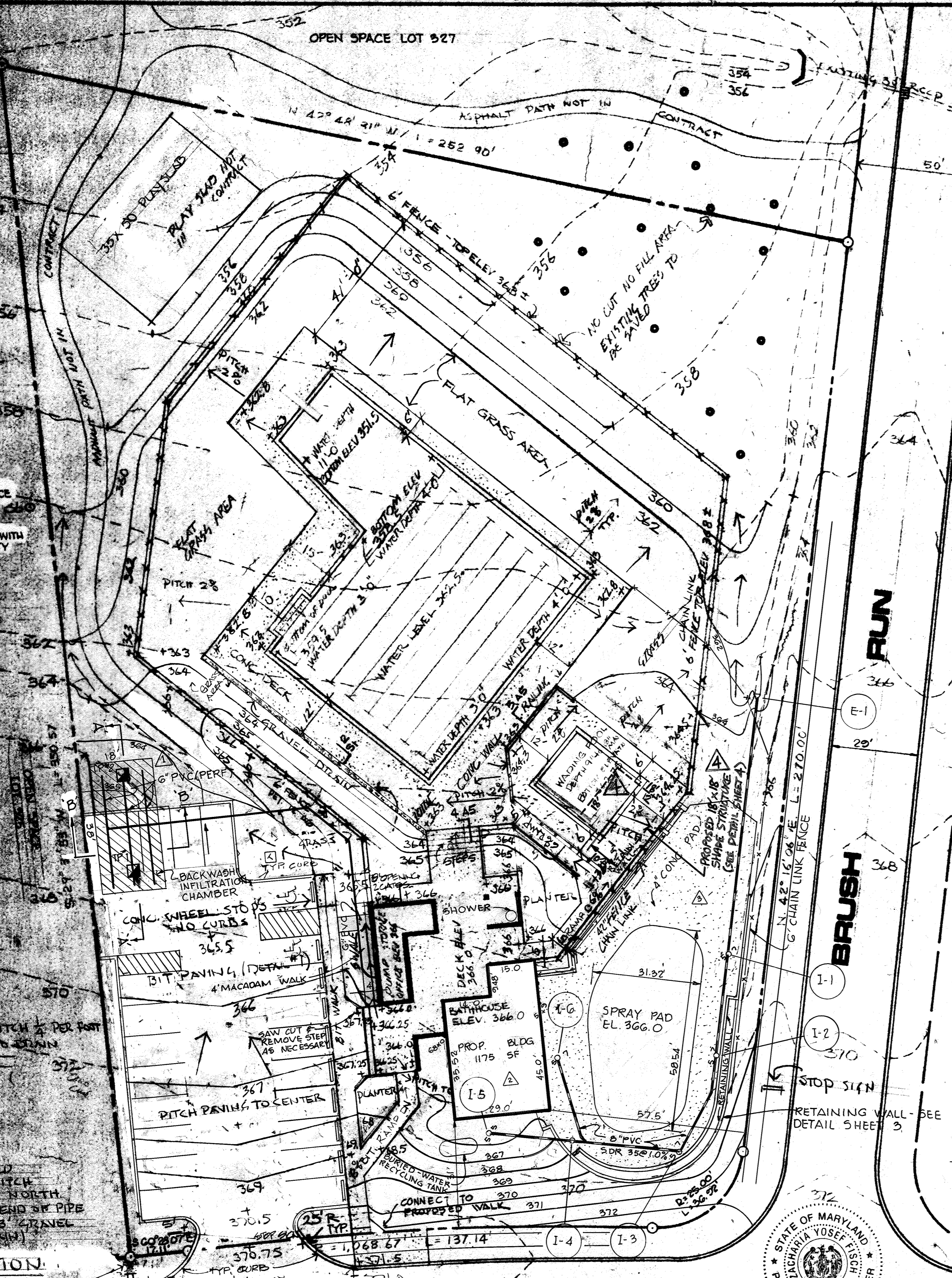
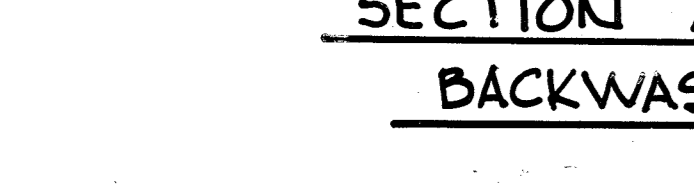
**CONCRETE WHEEL STOP**  
 No Scale



**CONCRETE WHEEL STOP**  
 No Scale



**CONCRETE WHEEL STOP**  
 No Scale



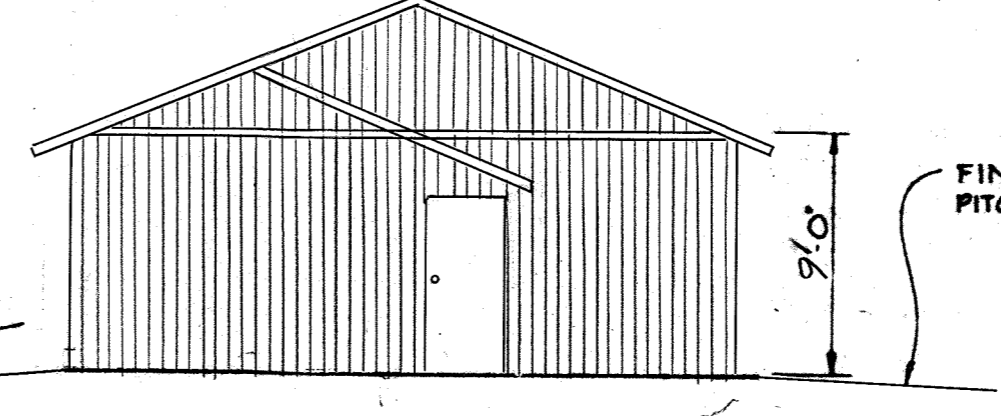
**VICINITY MAP**  
 Scale: 1"=3,000'

**GENERAL NOTES**

- ALL WATER AND SEWER MAINS SHALL BE CONSTRUCTED WITH A MINIMUM OF 3'-0" COVER BELOW FINISHED GRADE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE INDICATED BY THE ENGINEER, A MINIMUM OF FIVE DAYS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE DAYS PRIOR TO STARTING THE WORK SHOWN ON THESE DRAWINGS:  
 BELL TELEPHONE SYSTEM 393-3649  
 LONG DISTANCE CABLE DIVISION 393-3553 or 3554  
 BALTIMORE GAS AND ELECTRIC CO. 539-8000 Ext. 691
- SEE SHEET 2 OF 2 FOR SEDIMENT CONTROL DETAILS.
- ROOTING LEAF & BRUSH RUN ARE EXISTING PUBLIC STREETS.

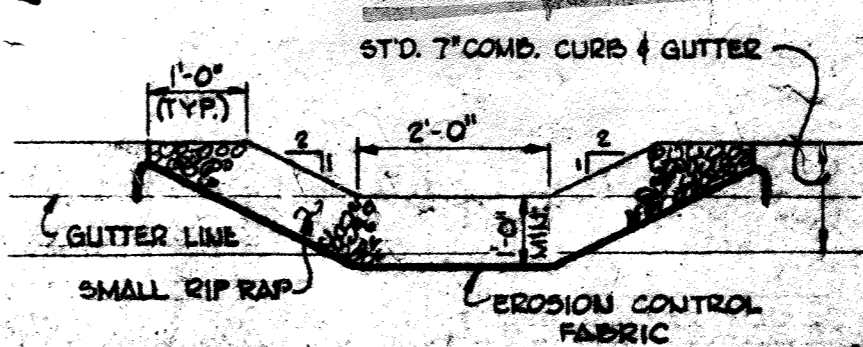
**SITE ANALYSIS**

TOTAL AREA OF PARCEL:	1.545 ACRES*
PRESENT ZONING:	NEW TOWN FDP PB 20, F40 SEE FDP 118, PART V & FDP 118-A-1, PART III
INTENDED USE OF SITE:	RECREATIONAL FACILITY - SWIMMING POOL
TOTAL DAILY USERS:	240 PERSONS
TOTAL BUILDING COVERAGE:	1680 SQ. FT.

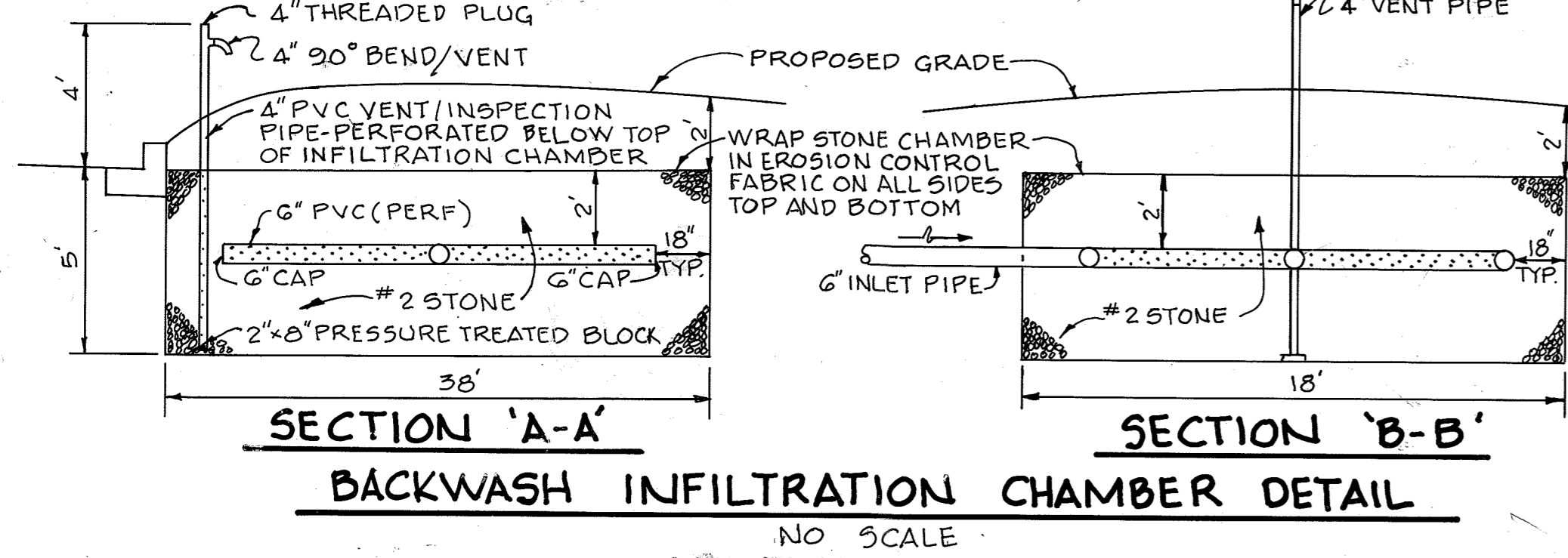


**ELEVATION - BATHHOUSE BUILDING**  
 No Scale

**APPROVED**  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE 7-5-78



**DIP RAP CHANNEL @ CURB OPENING**  
 No Scale



**SECTION 'A-A'**  
**SECTION 'B-B'**  
**BACKWASH INFILTRATION CHAMBER DETAIL**  
 NO SCALE

STATE OF MARYLAND  
 ARCHITECTURAL REGISTRATION BOARD  
 PROFESSIONAL ENGINEER  
 No. 22418  
 3/21/2022

STATE OF MARYLAND  
 ARCHITECTURAL REGISTRATION BOARD  
 PROFESSIONAL ENGINEER  
 No. 22418  
 11-9-19

**NOTE:**  
 THE L.O.D. OF 324 S.F. IS EXEMPT FROM PROVIDING STORMWATER MANAGEMENT. ANY FUTURE INCREASE OF L.O.D. EXCEEDING 5,000 S.F. SHALL PROVIDE STORMWATER MANAGEMENT.

THE PURPOSE OF THIS REVISION IS TO EXPAND THE EXISTING PARKING LOT AND TO ADD A SPRAY PAD WATER FEATURE TO THE SITE.

"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 BY THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."  
 DEVELOPER DATE

"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."  
 DATE

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

COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR DATE

CHIEF, DIV. OF LAND DEVELOPMENT DATE

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

DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING DATE

No.	DATE	REVISIONS
1	2-27-99	ADDED INFILTRATION CHAMBER
2	1-05	BATHHOUSE AND SHOWER EXPANDED
3	7-05	ADD SPRAY PAD & EXPANDED PARKING
4	2-18-22	ADDED SHADE STRUCTURE - FSH

REVISED APRIL 19 1978

ARCHITECTURAL REGISTRATION BOARD  
 STATE OF MARYLAND

REVISED 5/24/78 ADD STED DATA

COLUMBIA VILLAGE OF OWEN BROWN LOTS  
 REVISION TO APP. 507 78 35  
 REVISED 6-2-03  
 SECTION 2 - AREA 4  
 LOT 327

**SEDIMENT CONTROL CONSTRUCTION NOTES**  
GENERAL NOTES

- A MINIMUM 24 HOUR NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2070).
- ALL SEDIMENT CONTROL STRUCTURES WILL BE INSTALLED IN ACCORDANCE WITH "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE."
- SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- ALL DISTURBED AREAS ARE TO BE GRESSED AND STABILIZED ACCORDING TO THE TEMPORARY OR PERMANENT SEEDING SCHEDULES AS SOON AS FAVORABLE WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER.
- SEDIMENT WILL BE REMOVED FROM TRAPS WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- FERTILIZER AND LIME RATES MAY BE CHANGED THROUGH AUTHORIZATION BY HOWARD SOIL CONSERVATION DISTRICT IF SOIL TESTS DETERMINE A REDUCTION IN THE SPECIFIED RATES IS JUSTIFIED.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATING CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- REFERENCES CALLED FOR ON THE SEDIMENT CONTROL CONSTRUCTION PLAN AND DETAILS ARE MADE TO "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS."

**TEMPORARY SEEDING**

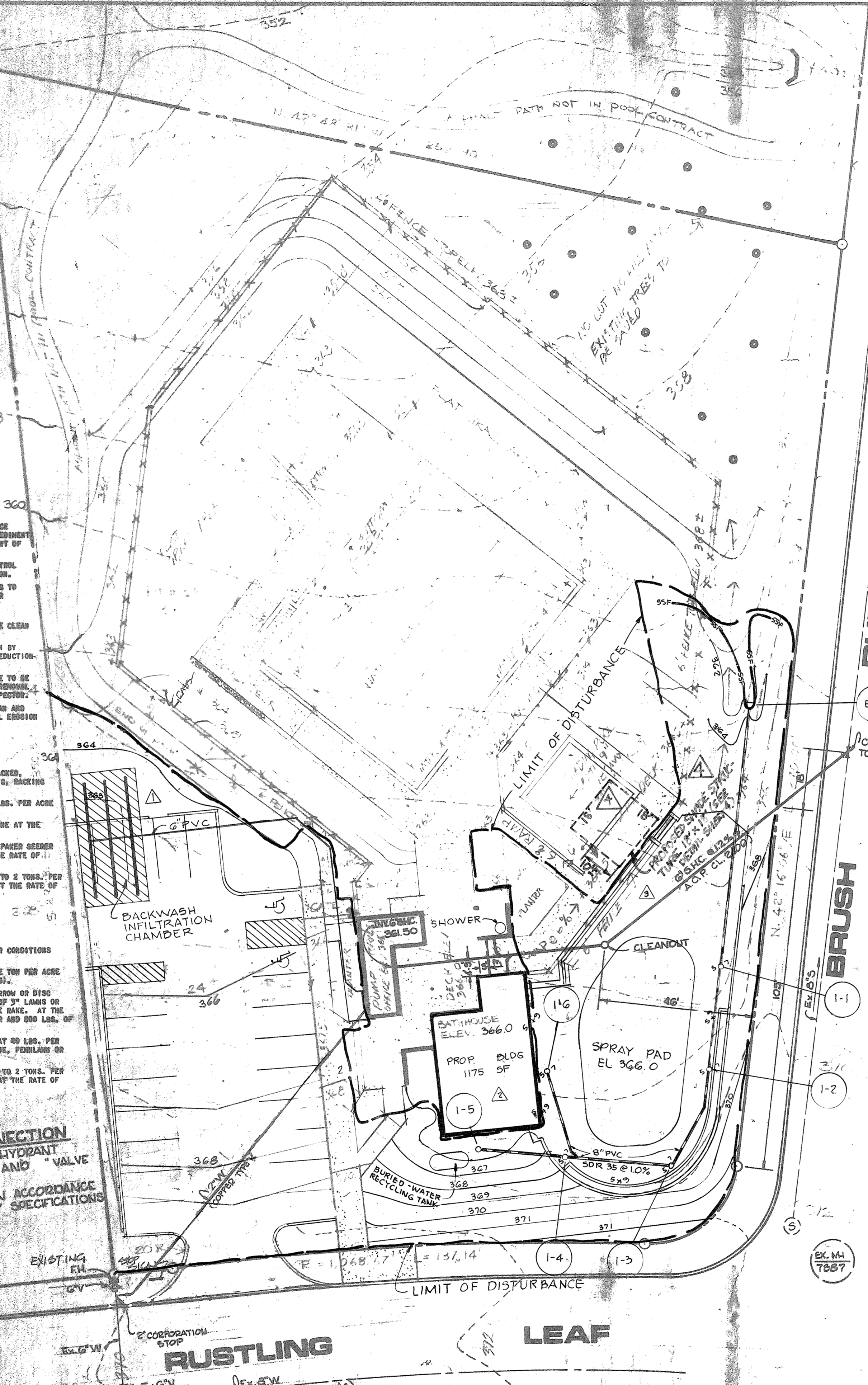
- AREA TO BE SEEDING SHALL BE RECENTLY LOOSENEED. IF THE GROUND IS PACKED, COMPOST OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENEED BY DISCING, RAKING OR OTHER ACCEPTABLE MEANS.
- APPLY 10-20-20 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 600 LBS. PER ACRE OR 16 LBS. PER 1000 SQ. FT.
  - WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 3 TONS PER ACRE.
  - WORK BOTH INTO SOIL AND SEED WITH CYCLOPS SEEDER, CHILL, MULTIPAKER SEEDER OR HYPOSEEDER (SEEDER WILL INCLUDE SEED AND FERTILIZER) AT THE RATE OF 1-20 LBS. PER ACRE OF ITALIAN OR PERENNIAL BUEGRASS.
  - MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 2 GALS. PER 1000 SQ. FT.

**PERMANENT SEEDING**

- FINAL STABILIZATION WILL TAKE PLACE AS SOON AS POSSIBLE AS WEATHER CONDITIONS PERMIT, AS FOLLOWS:
- APPLY DOLOMITIC LIMESTONE AT THE RATE OF 3 TONS PER ACRE (ONE TON PER ACRE IF APPLICATION OF 200 PER ACRE WAS MADE FOR TEMPORARY SEEDING).
  - APPLY 0-20-20 FERTILIZER AT THE RATE OF 600 LBS. PER ACRE, NARROW OR DISC LINE AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3" LAMPS OR HIGH MAINTENANCE AREAS WILL BE DISCING AND LEVELLED WITH A TONGUE BAR. AT THE TIME OF SEEDING APPLY 400 POUNDS OF 20-20-0 UREAFORM FERTILIZER AND 600 LBS. OF 10-20-20 OR EQUIVALENT FERTILIZER PER ACRE.
  - SEED WITH A MIXTURE OF CERTIFIED "HERITAGE" KENTUCKY BLUEGRASS AT 80 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS AT 70 LBS. PER ACRE; RED FESCUE, PERENNIAL OR JAMESON AT 30 LBS. PER ACRE.
  - MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 2 GALS. PER 1000 SQ. FT.

**SEQUENCE OF CONNECTION**

- REMOVE EXISTING FIRE HYDRANT
- INSTALL G.I. VALVE AND "VALVE WITH STRAPPING
- RESET FIRE HYDRANT IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS



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

APPROVED: *Howard S.C.D.* 7-18-78  
Date

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* 7-18-78  
U.S. Soil Conservation Service Date

"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"

*D. W. Revella* 4-24-78  
DEVELOPER DATE

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

*Robert J. Moon* 7-5-78  
DATE

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

*James Byrnes* 7-28-78  
HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*John W. ...* 7-27-78  
PLANNING DIRECTOR DATE

*...* 7-27-78  
CHIEF, DIV. OF LAND DEVELOPMENT DATE

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

*Richard E. ...* 7-15-78  
DIRECTOR DATE

*W. O. ...* 7-24-78  
CHIEF, BUREAU OF ENGINEERING DATE

**SEDIMENT CONTROL STONE OUTLET DATA:**

DRAINAGE AREA	1.28 AC
DISTURBED AREA	1.28 AC
VOLUME (C.Y.):	
REQUIRED	86
AVAILABLE	86
CLEANOUT ELEVATION	354.0
DEPTH TO CREST	2.0'
BOTTOM DIMENSIONS	25'x46'

- SEQUENCE OF CONSTRUCTION:**
- OBTAIN GRADING PERMIT.
  - INSTALL STABILIZED CONSTRUCTION ENTRANCE
  - INSTALL STONE OUTLET SEDIMENT TRAP AND SEED IN ACCORDANCE WITH TEMPORARY SEEDING NOTES.
  - INSTALL PERIMETER AND DIVERSION DIKS AND SEED IN ACCORDANCE WITH TEMPORARY SEEDING NOTES.
  - INSTALL EXCAVATED TRAP.

REVISIONS:

2-1-05	BATHHOUSE AND SHOWER EXPANDED
9-27-99	ADDED INFILTRATION CHAMBER

APPROVED: *Robert J. Moon* 7-5-78  
DATE

COLUMBIA VILLAGE OF OWEN BROWN Lot 337

REVISION TO APPR. SDP-73-336 REVISED G-6-05 SECTION 2, - AREA 3 LOT 337

PLAT NUMBER 3652 Tax Map No. 42

ELECTION DISTRICT GUILFORD NO. 6 HOWARD COUNTY, MARYLAND

**HOPEWELL NEIGHBORHOOD CENTER SWIMMING POOL FACILITY**

**CROZIER ASSOCIATES**  
LANDSCAPE ARCHITECTS/PLANNERS

VILLAGE OF CROSS KEYS  
SUITE 408 EAST QUADRANGLE,  
BALTIMORE, MARYLAND 21210  
301-323-5515

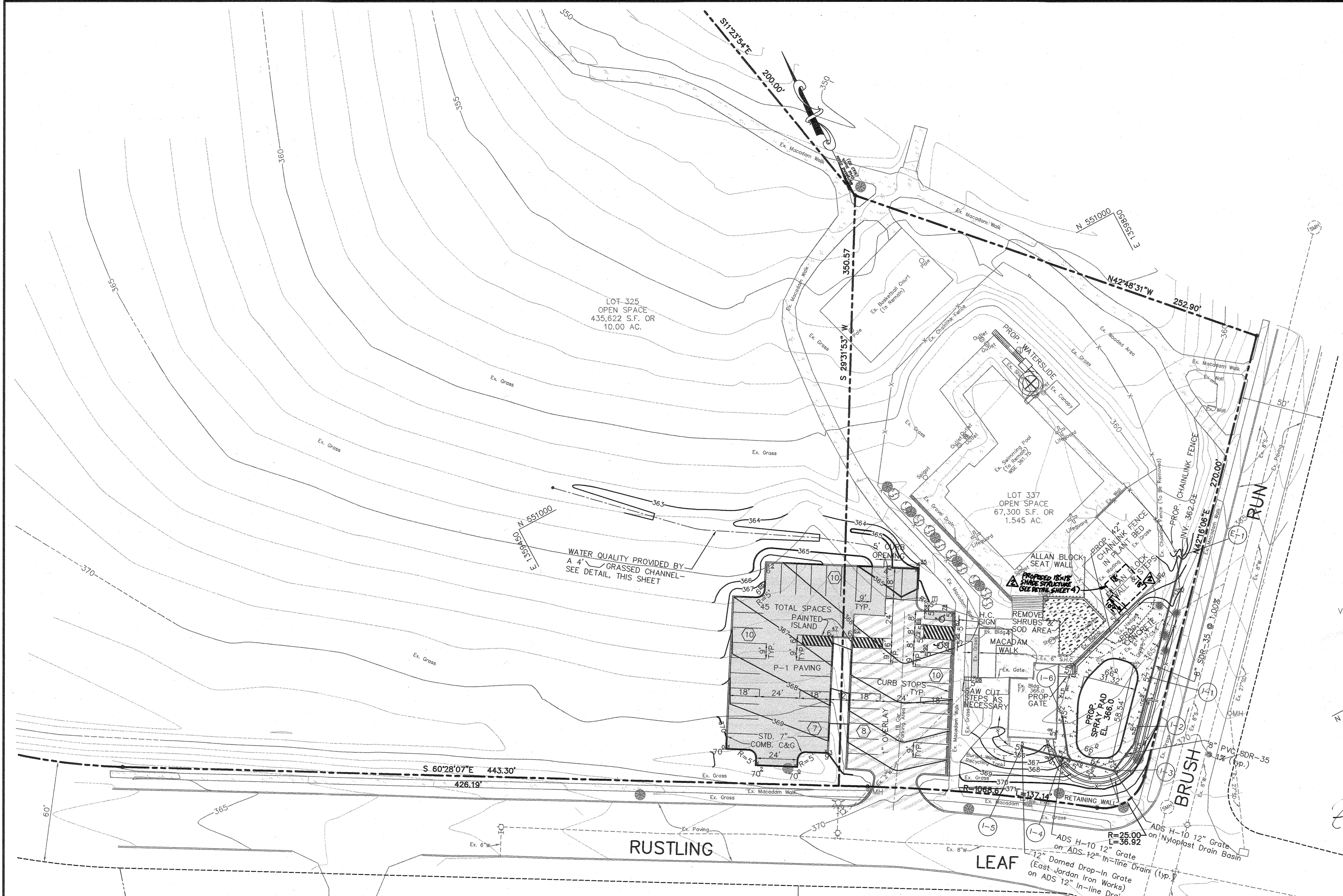
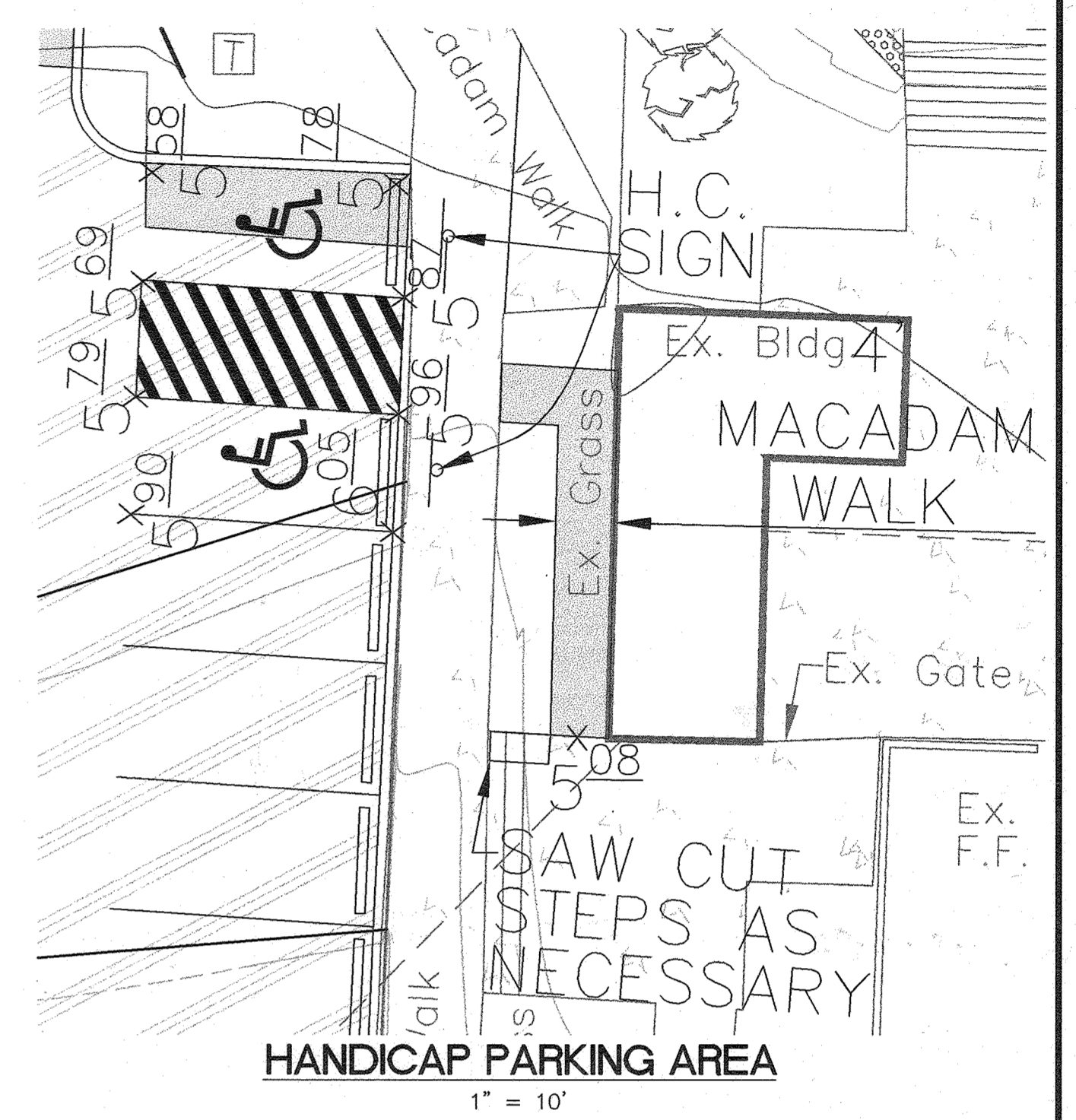
Robert J. Moon  
Architect

**UTILITY AND SEDIMENT CONTROL PLAN**

DRAWN BY: *J. P. ...*  
DATE: 2/18/78  
SCALE: 1"=20'  
SHEET: U-1 (REV)

BM #361B ELEV. 385.723'  
NAVD 88  
STAMPED DISC IN NORTHEASTERN ISLE AT INTERSECTION OF SNOWDEN RIVER PARKWAY & MCGRAW ROAD.  
N 553348.637  
E 1364085.26  
NAD 83

BM #42CA ELEV. 376.493'  
NAVD 88  
STAMPED DISC 5.5' BEHIND FACE OF EASTERN MOST CURB OF THE NORTH BOUND LANE OF SNOWDEN RIVER PARKWAY, 22.4' NORTH OF EXIT RAMP FROM ROBERT FULTON DRIVE.  
N 551695.734  
E 1362506.43  
NAD 83



VILLAGE OF OWEN BROWN  
SECTION 2 AREA 3  
SHEET  
3 OF 9  
P. B. 25 F. 20

STATE OF MARYLAND  
JACOB V. JOSEPH, JR.  
PROFESSIONAL ENGINEER  
No. 22418  
Date: 3/21/2022

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS	
<i>Robert J. Weber</i>	7/1/05
HOWARD COUNTY HEALTH OFFICER	DATE
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
<i>W. J. ...</i>	6/20/05
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>...</i>	7/13/05
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
<i>...</i>	7/15/05
DIRECTOR	DATE

3-18-22	Added Shade Structure - FSH
3-7-05	Added Spray Pad And Expanded Parking
Date	Revision Description

PROJECT:  
**HOPEWELL NEIGHBORHOOD CENTER SWIMMING POOL**  
COLUMBIA, MARYLAND 21044  
VILLAGE OF OWEN BROWN  
LOTS 325 & 337 SECTION 2 AREA 3  
PLAT #3852 Grid 42, Elec. Dist. No. 6  
HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER:  
COLUMBIA ASSOCIATION  
ATTN: DENNIS MATTEY  
10221 WINCOPIN CIRCLE  
COLUMBIA, MARYLAND 21044  
(410) 381-0591

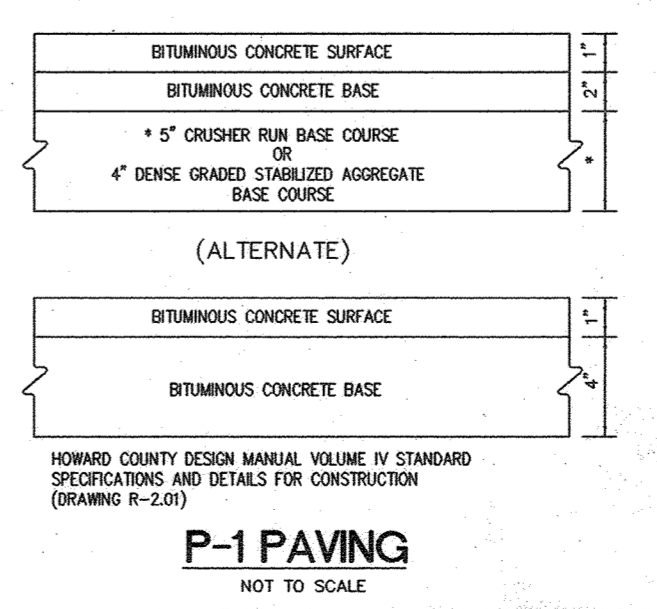
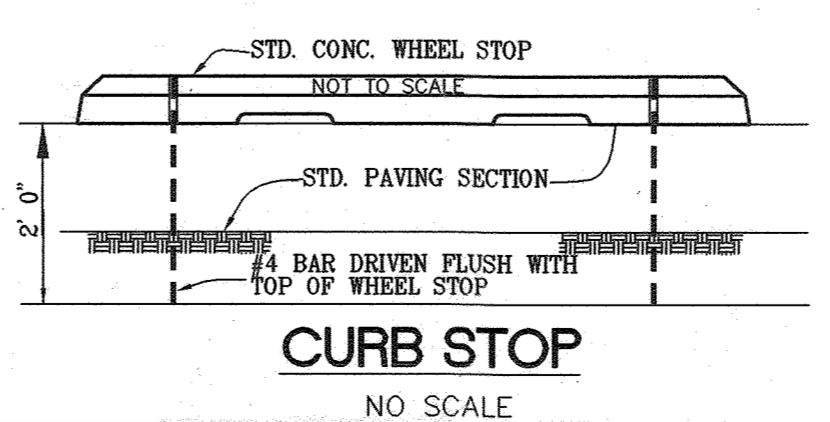
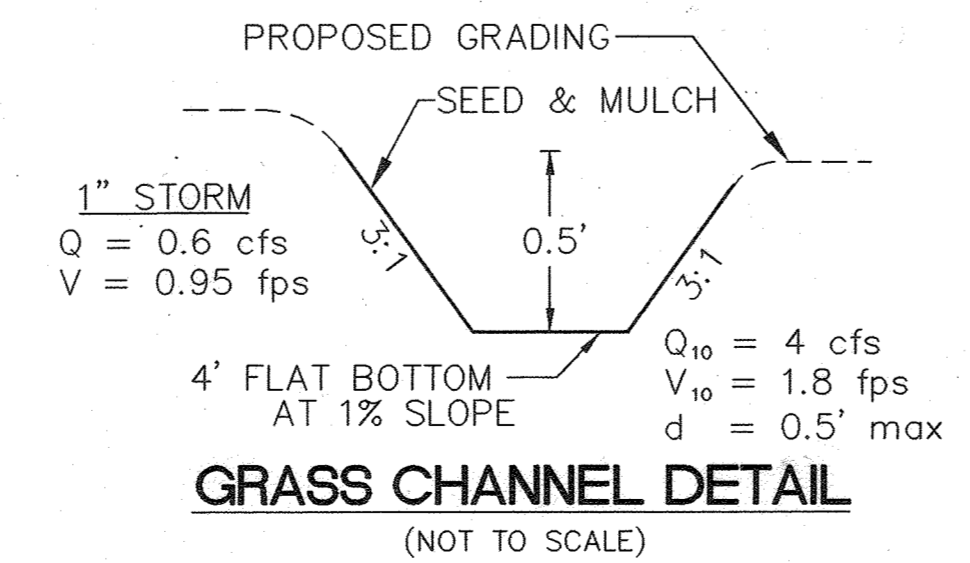
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**REVISED PROPOSED DEVELOPMENT PLAN**

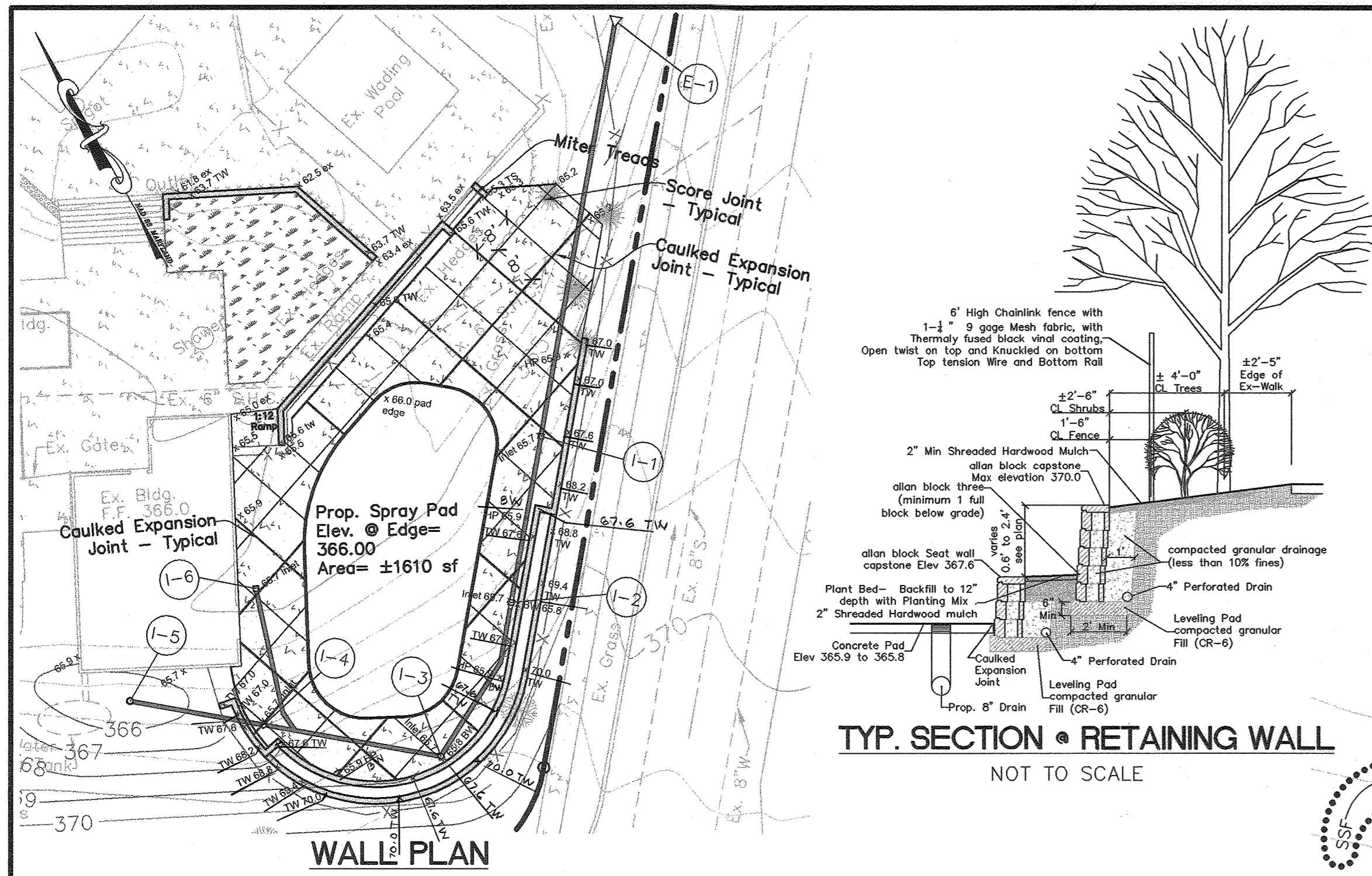
PREPARED BY:  
**PHOENIX ENGINEERING, INC.**  
CONSULTING ENGINEERS  
1420-A JOH AVENUE  
BALTIMORE, MARYLAND 21227  
(410) 247-8833 FAX 247-9397

Des By	R.J.W.	Scale	1"=30'	Proj No	04-040
Drn By	S.E.W.	Date	APRIL, 2005	Drawing No	Pd02.dwg
Chk By	J.R.H.				3 OF 5

**LEGEND**

P-1 PAVING	PROPERTY LINE	EXISTING CONTOUR
1" PAVING OVERLAY	PROPOSED CHAINLINK FENCE	PROPOSED CONTOUR
PROPOSED CONCRETE	SPOT ELEVATION	
PROPOSED SOD		
EX. HEDGEROW		

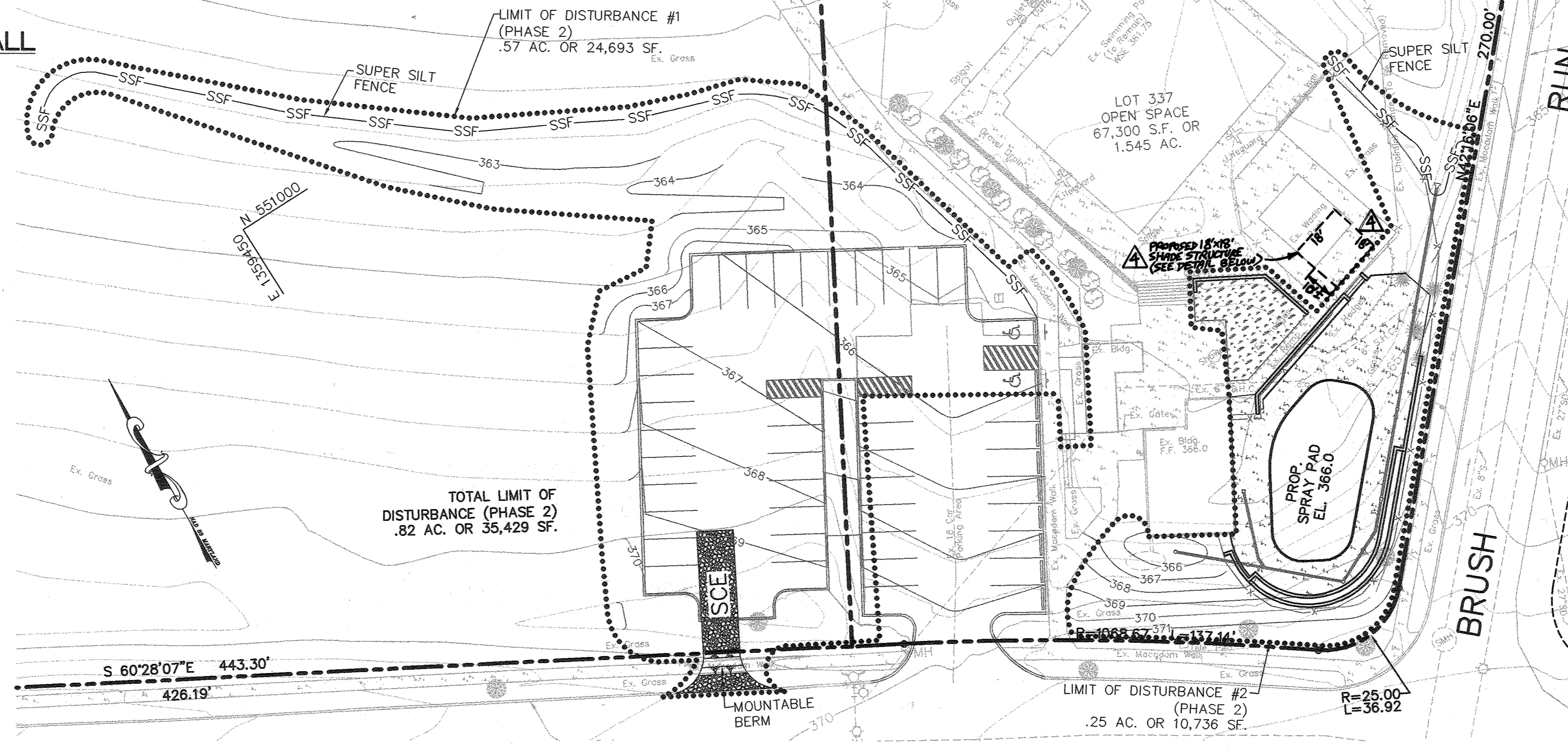
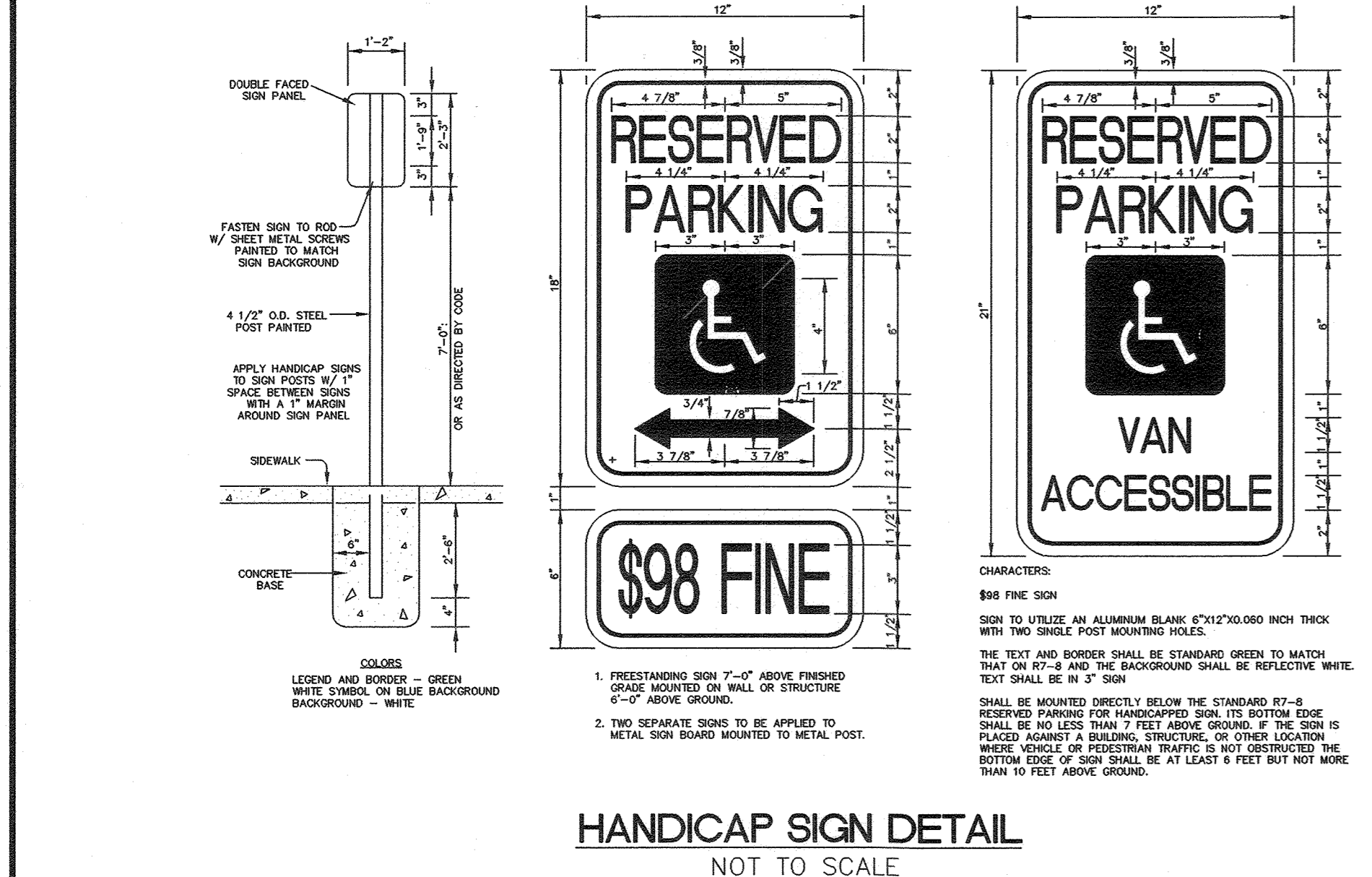
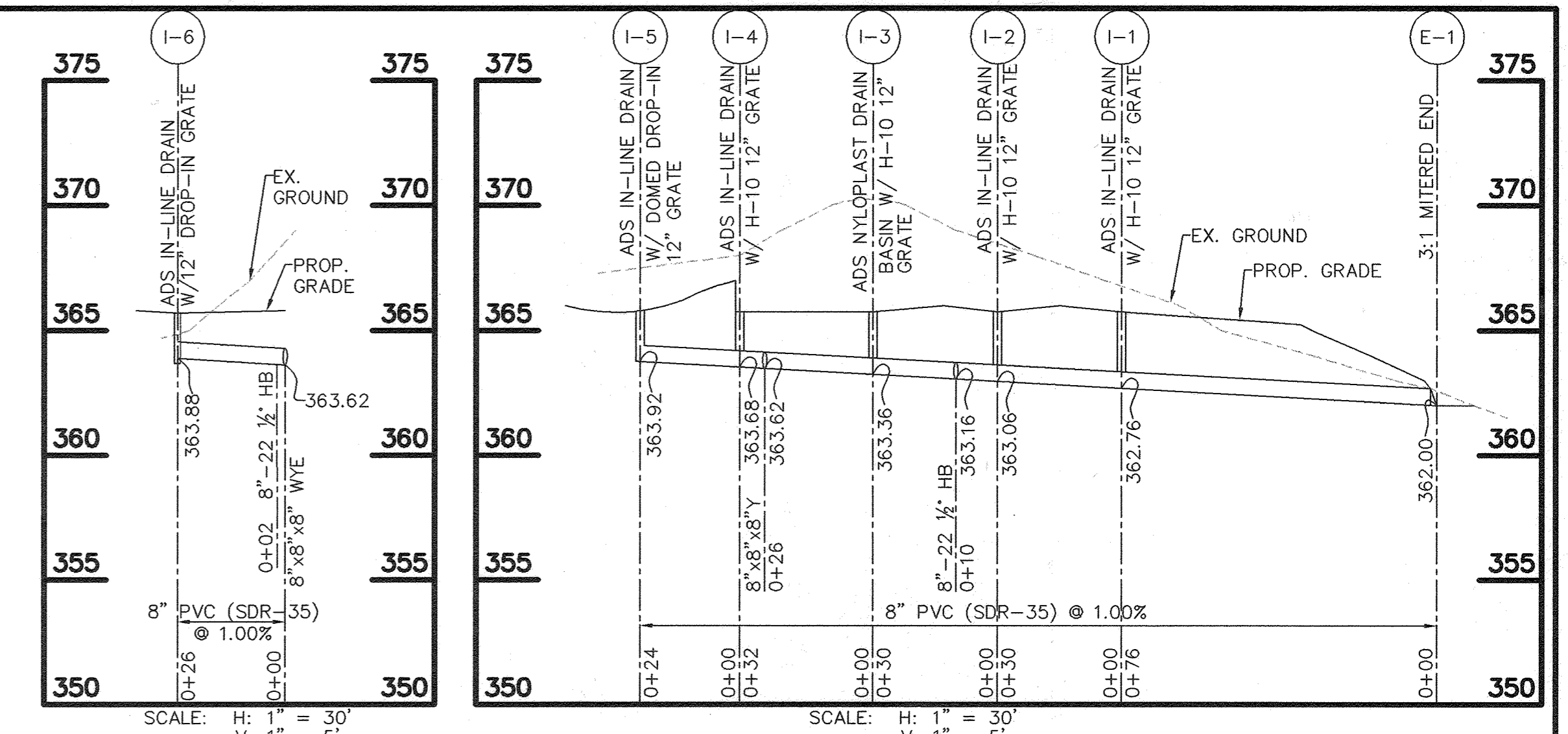




- PHASE 2 - SEQUENCE OF CONSTRUCTION**
- (1 DAY) DAY 1 OBTAIN A GRADING PERMIT
  - (2 DAYS) DAY 2-3 CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE WITH A MOUNTABLE BERM (SCE).
  - (3 DAYS) DAY 4-6 CLEAR AND GRUB AREA FOR, AND INSTALL REMAINING SEDIMENT CONTROL DEVICES, AND GET PERMISSION FROM SEDIMENT CONTROL INSPECTOR BEFORE PROCEEDING.
  - (5 DAYS) DAY 7-12 GRADE WATER QUALITY SWALE AND STABILIZE AS PER TEMPORARY SEEDING NOTES.
  - (12 DAYS) DAY 13-25 ROUGH GRADE SITE AND STABILIZE AS PER TEMPORARY SEEDING NOTES.
  - (20 DAYS) DAY 26-46 CONSTRUCT PARKING LOT AND SPRAY PAD.
  - (8 DAYS) DAY 47-55 FINE GRADE SITE AND SEED DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
  - (6 DAYS) DAY 56-61 WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES.

**NOTES:**

- RETAINING WALL TO BE AS DESIGNED AND MANUFACTURED BY THE ALLAN BLOCK CORPORATION, 5300 EDINA INDUSTRIAL BLVD., SUITE 100, EDINA, MN, 55439 952-835-5309 OR APPROVED EQUAL.
- THE LEVELING PAD SUB-GRADE BEARING MUST BE CERTIFIED BY A MARYLAND REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.
- THE RETAINING WALL CONSTRUCTION MUST BE INSPECTED BY A QUALIFIED ENGINEER DURING CONSTRUCTION.
- RETAINING WALLS SHALL ONLY BE CONSTRUCTED UNDER THE OBSERVATION OF A REGISTERED PROFESSIONAL ENGINEER OR A (NICET, WACEL, OR EQUIVALENT) CERTIFIED SOILS TECHNICIAN.
- THE REQUIRED BEARING PRESSURE BENEATH THE FOOTING OF THE WALL SHALL BE VERIFIED IN THE FIELD BY A CERTIFIED SOILS TECHNICIAN. TESTING DOCUMENTATION SHALL BE PROVIDED TO THE HOWARD COUNTY INSPECTOR PRIOR TO THE START OF CONSTRUCTION. THE REQUIRED TEST PROCEDURE SHALL BE THE DYNAMIC CONE PENETROMETER TEST ASTM STP-399.
- THE SUITABILITY OF THE FILL MATERIAL SHALL BE CONFIRMED BY THE ON-SITE SOILS TECHNICIAN. EACH EIGHT INCH LIFT MUST BE COMPACTED TO 95% STANDARD PROCTOR DENSITY AND THE TESTING REPORT SHALL BE MADE AVAILABLE TO THE HOWARD COUNTY INSPECTOR UPON COMPLETION OF CONSTRUCTION.



**ENGINEER'S CERTIFICATE**  
I/WE 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 COUNTY SOIL CONSERVATION DISTRICT.

**DEVELOPER'S CERTIFICATE**  
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

**APPROVED:** JOHN R. HEINRICHS, VICE PRESIDENT HOENIX ENGINEERING, INC. DATE: 6.6.05

**APPROVED:** DENNIS MATTEY, COLUMBIA ASSOCIATION DATE: 6/22/05

**APPROVED:** JIM MYERS, NATURAL RESOURCES CONSERVATION SERVICES DATE: 6/22/05

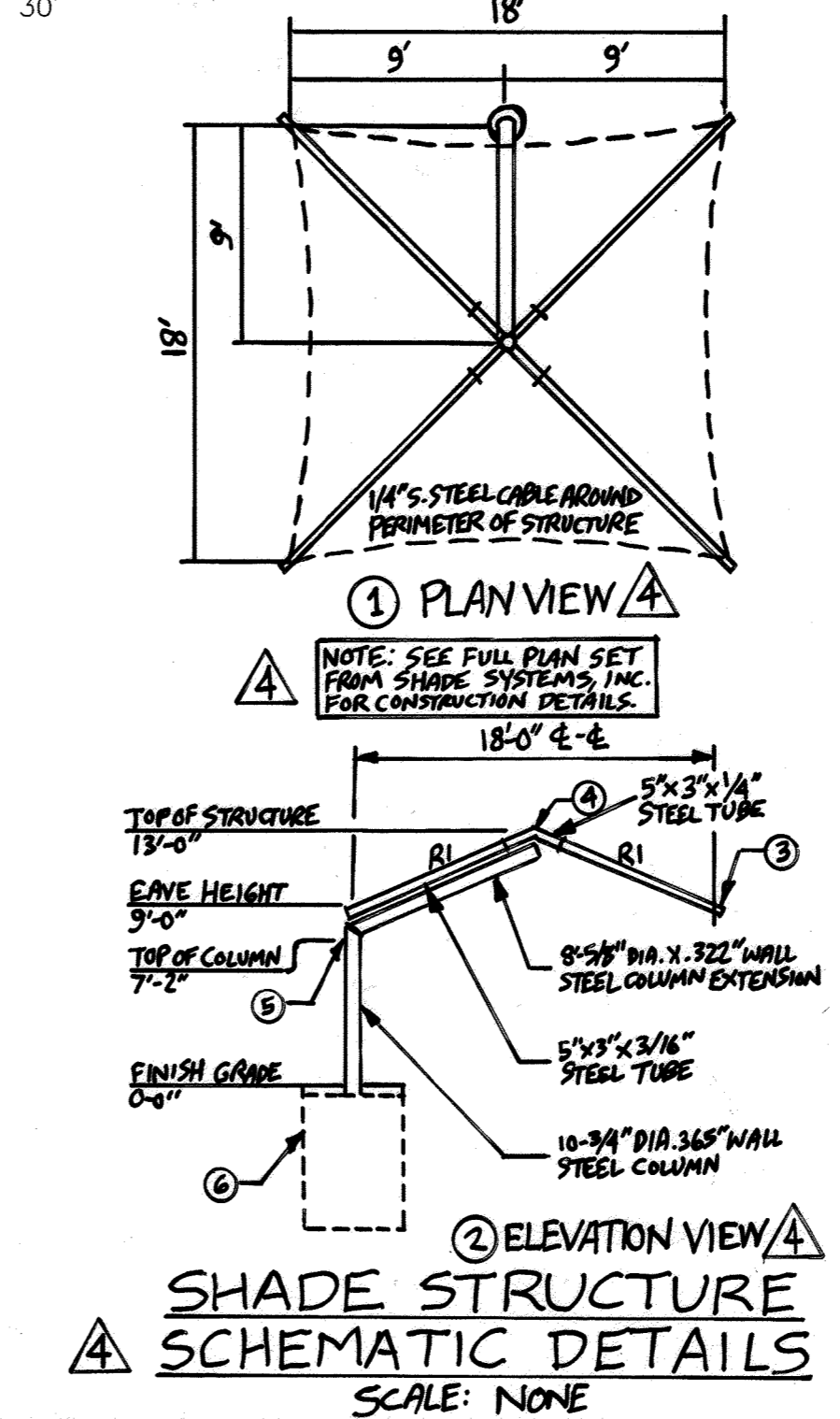
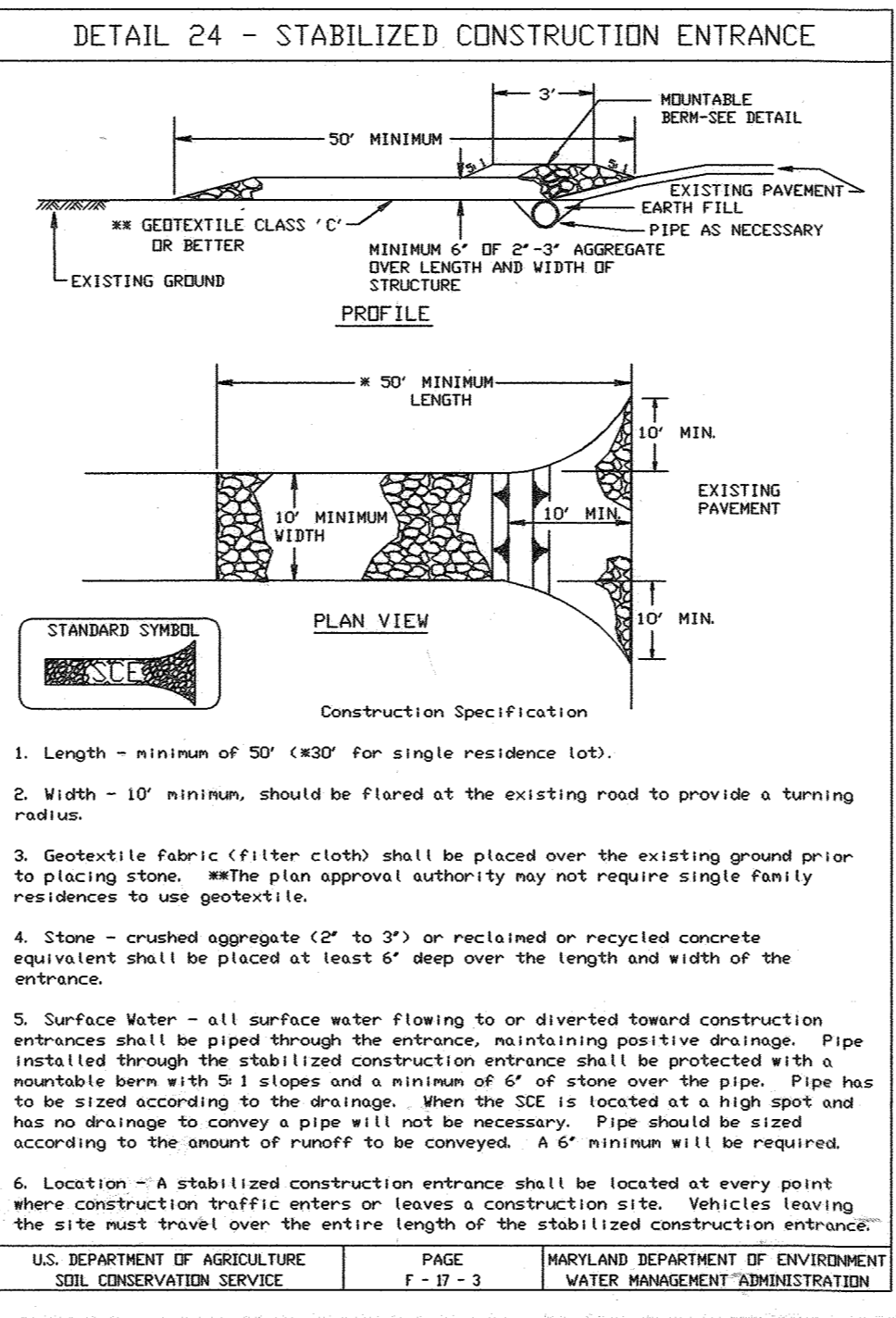
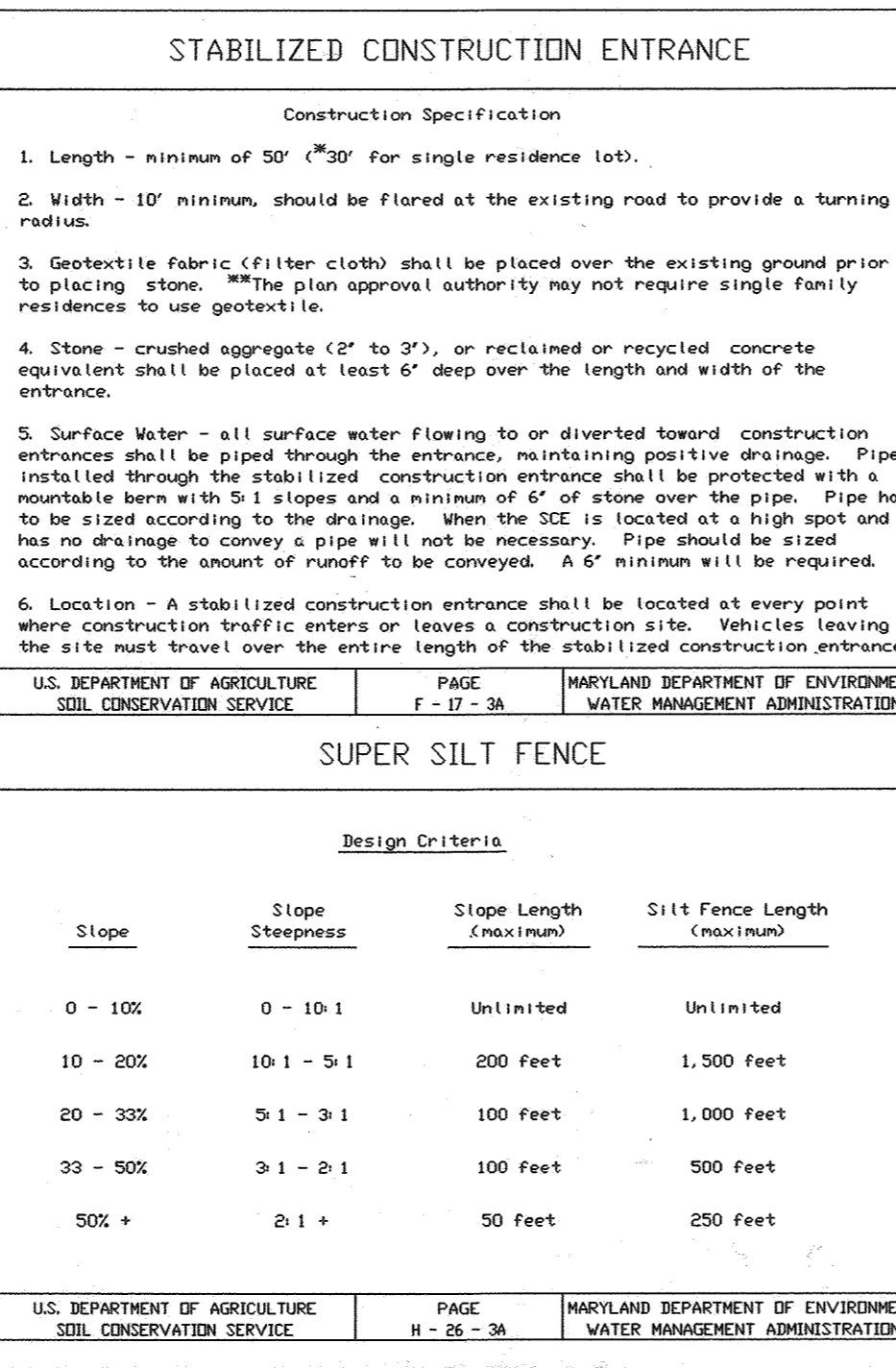
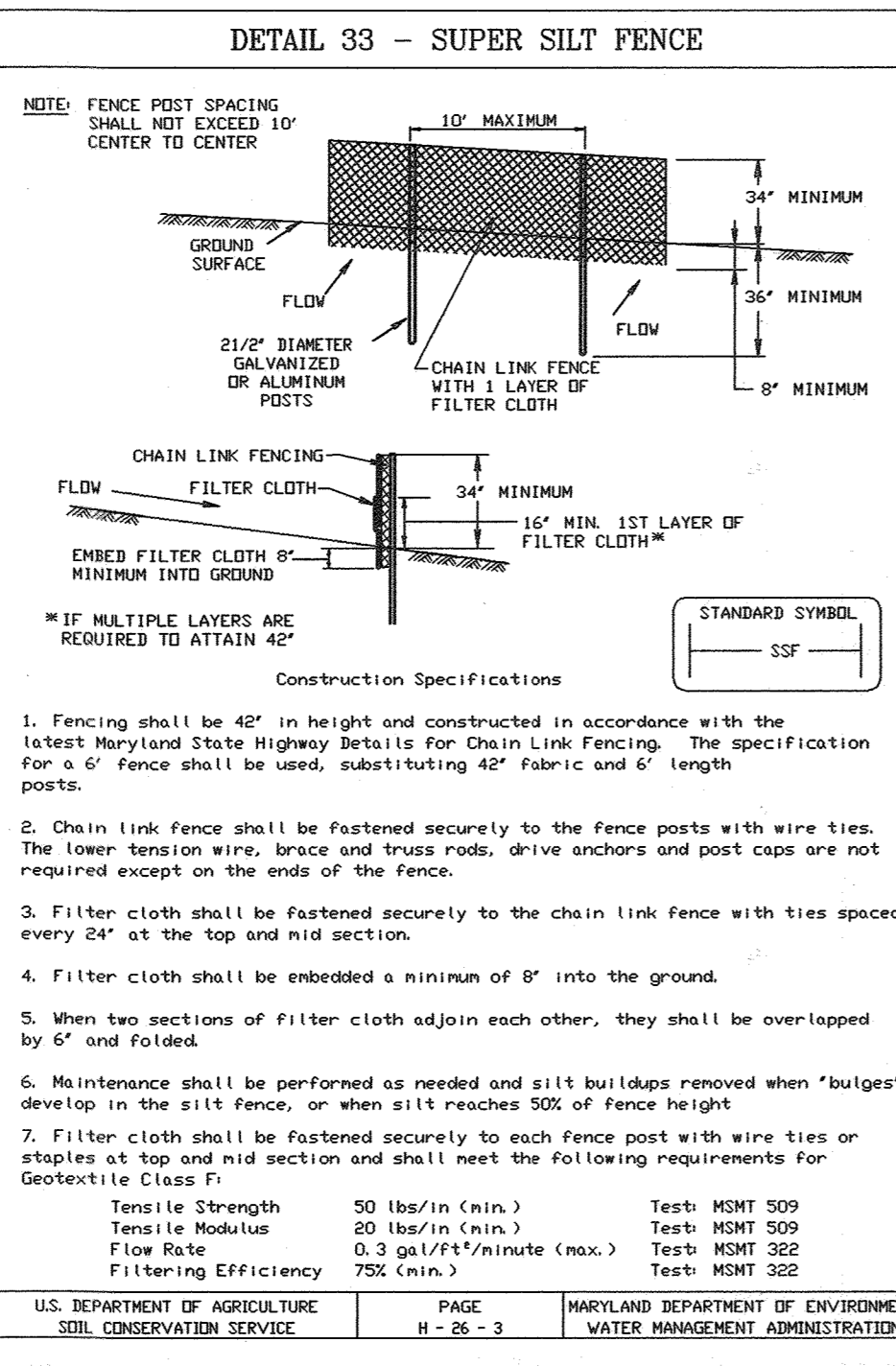
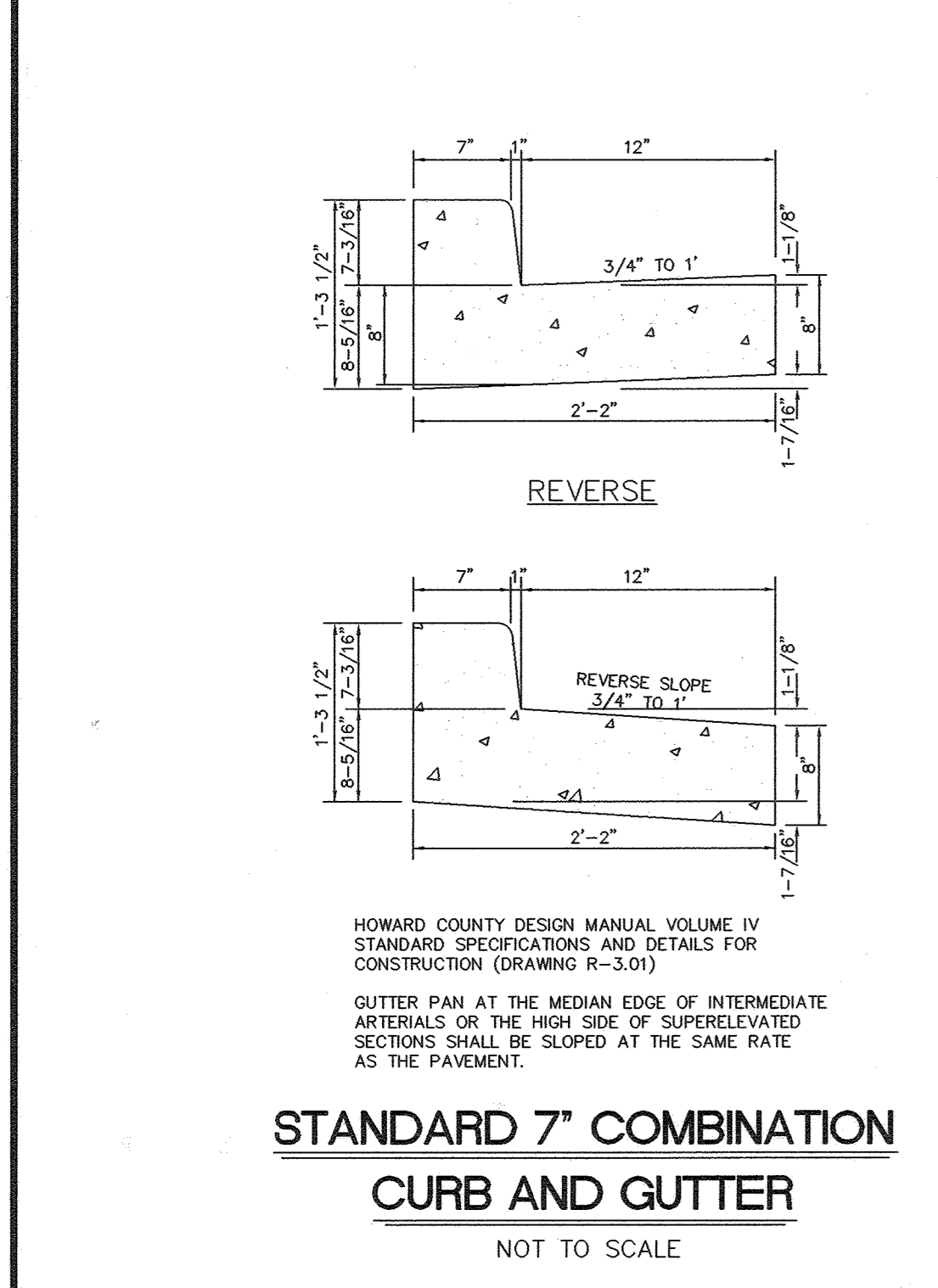
**APPROVED:** JOHN R. ROBERTSON, HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE: 6/22/05

**APPROVED:** ROBERT WILSON, COUNTY HEALTH OFFICER HOWARD COUNTY HEALTH DEPARTMENT DATE: 7/10/05

**APPROVED:** DEPARTMENT OF PLANNING AND ZONING DATE: 6/22/05

**APPROVED:** ANDREW RIVETT, CHIEF DIVISION OF LAND DEVELOPMENT DATE: 7/13/05

**APPROVED:** PAMULA BRIGGLE, DIRECTOR DATE: 7/15/05



STATE OF MARYLAND  
TACHMUNA YOSEF FOSTER  
Professional Engineer  
Rev. 4  
2/21/2022

6.6.05  
Date  
JOHN R. HEINRICHS  
Professional Engr. No. 14920

**3-18-22** 4 **ADDED SHADE STRUCTURE & DETAIL. -FSH**

**HOPEWELL NEIGHBORHOOD CENTER SWIMMING POOL**

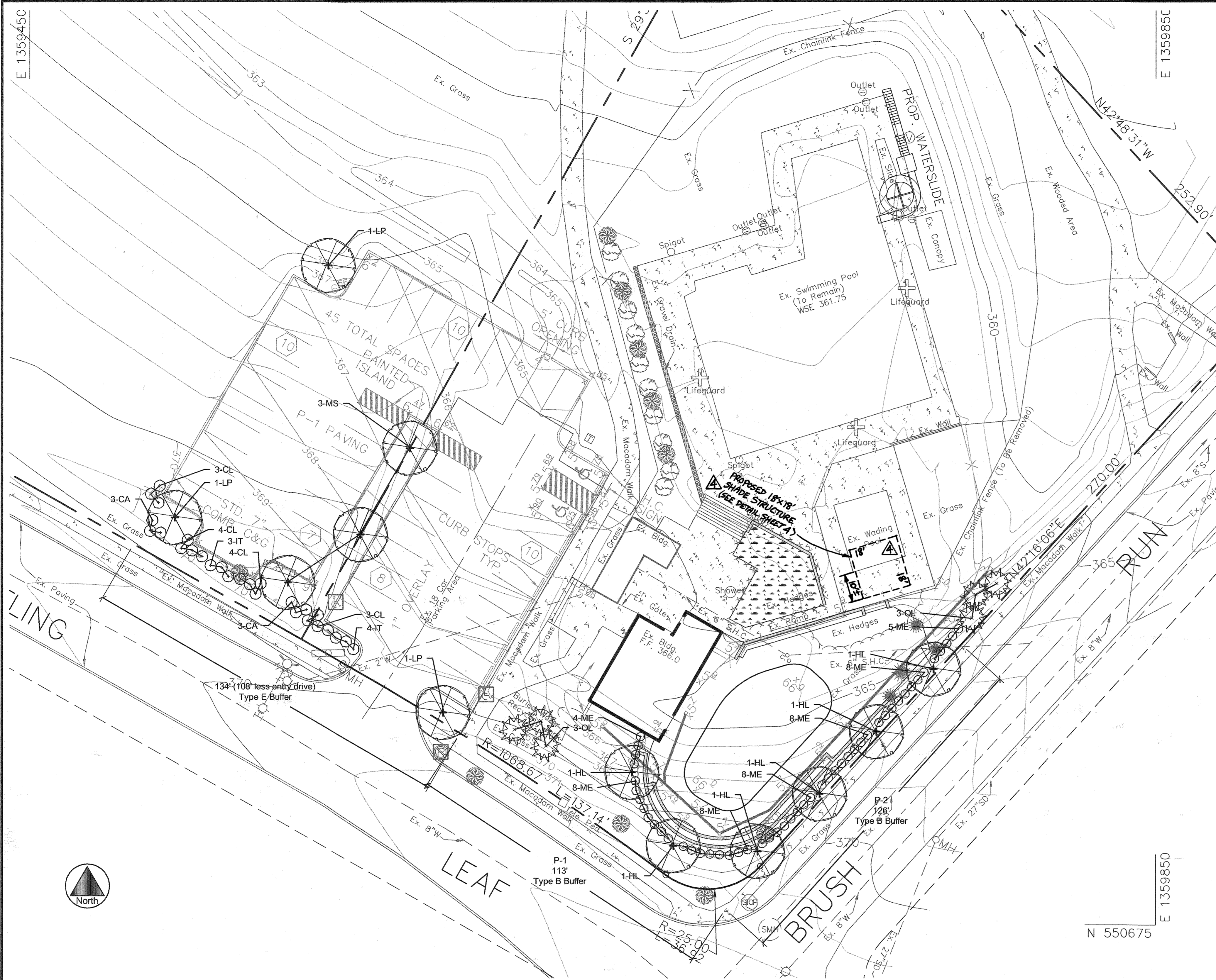
COLUMBIA, MARYLAND 21044  
VILLAGE OF OWEN BROWN  
LOTS 325 & 337 SECTION 2 AREA 3  
PLAT #3852 Grid 42, Elec. Dist. No. 6  
HOWARD COUNTY, MARYLAND

**OWNER/DEVELOPER:** COLUMBIA ASSOCIATION  
ATTN: DENNIS MATTEY  
10221 WINCOPIN CIRCLE  
COLUMBIA, MARYLAND 21044  
(410) 381-0591

**TITLE:** REVISED  
SEDIMENT CONTROL PLAN,  
PROFILE, DETAIL, &  
RETAINING WALL PLAN

**PREPARED BY:** PHOENIX ENGINEERING, INC.  
CONSULTING ENGINEERS  
1420-A JOH AVE  
BALTIMORE, MARYLAND 21227  
(410) 247-8838 FAX 247-9397

Des By: R.J.W. Scale: AS SHOWN Proj No: 04-040  
Dwn By: S.E.W. Date: APRIL, 2005 Drawing No: D401.dwg  
Chk By: J.R.H. Date: 4 OF 5



**Landscape Plan**

Scale: 1" = 20'-0"

**Schedule A - Perimeter Landscape Edge**

Category	Parking Adjacent to Roadways	Adjacent to Roadways	P-1	P-2
Landscape Type	E	B	B	B
Linear Feet of Roadway Frontage/Perimeter	108	113	126	
Credit for Existing Vegetation (Yes, No, Linear Feet)	No	No	No	No
Credit for Wall, Fence, or Berm (Yes, No, Linear Feet)	No	No	No	No
Number of Plants Required				
Shade Trees	3	2	3	
Evergreen Trees	0	3	3	
Shrubs	27	0	0	
Number of Plants Provided				
Shade Trees	3	2	4	
Evergreen Trees	0	3	3	
Shrubs	27	20	29	
Other Trees (2:1 Sub.)	0	0	0	

**Schedule B - Parking Lot Internal Landscaping**

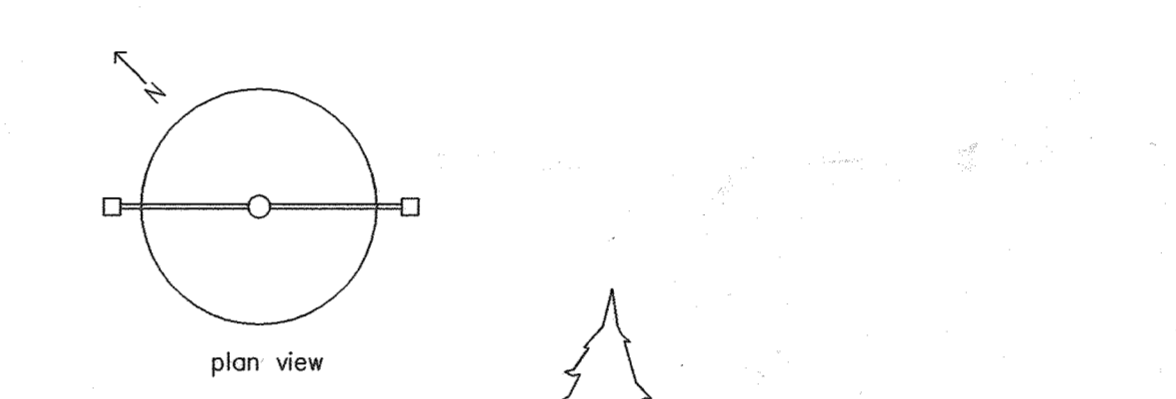
Number of Parking Spaces	45
Number of Trees Required	2
Number of Trees Provided	3
Shade Trees	0
Other Trees (2:1 Sub.)	0

**Plant List**

Quan.	Key	Botanical Name	Common Name	Size	Remarks
6	HL	Gleditsia tricanthos inermis 'Shademaster'	Shademaster Honeylocust	2 1/2-3"	B&B or cont.
3	LP	Platanus acerifolia 'Bloodgood'	Bloodgood London Planetree	2 1/2-3"	B&B or cont.
3	MS	Fraxinus pennsylvanica 'Marshall's Seedless'	Marshall's Seedless Ash	2 1/2-3"	B&B or cont.
6	OL	Ilex x 'Oak Leaf'	Oak Leaf Red Holly	6-8" ht.	B&B or cont.
<b>Shrubs</b>					
6	CA	Clethra alnifolia 'Pink Spires'	Pink Spires Summersweet	24-30" ht.	B&B or cont.
14	CL	Prunus laurocerasus 'Otto Luykens'	Cherry Laurel	24-30" ht.	B&B or cont.
7	IT	Itea virginiana 'Little Henry'	Virginia Sweetspire	24-30" ht.	B&B or cont.
49	ME	Euonymus kiautschovicus 'Manhattan'	Manhattan Euonymus	18-24" ht.	B&B or cont.

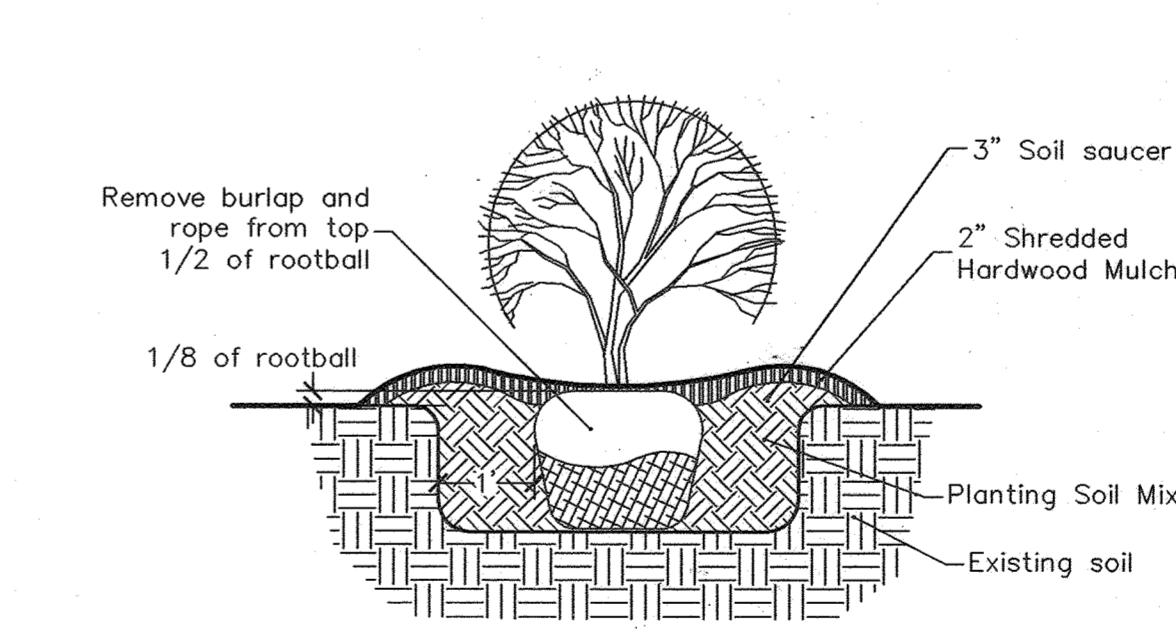
**1 Tree Planting Detail**

Scale: 1/2" = 1'-0"



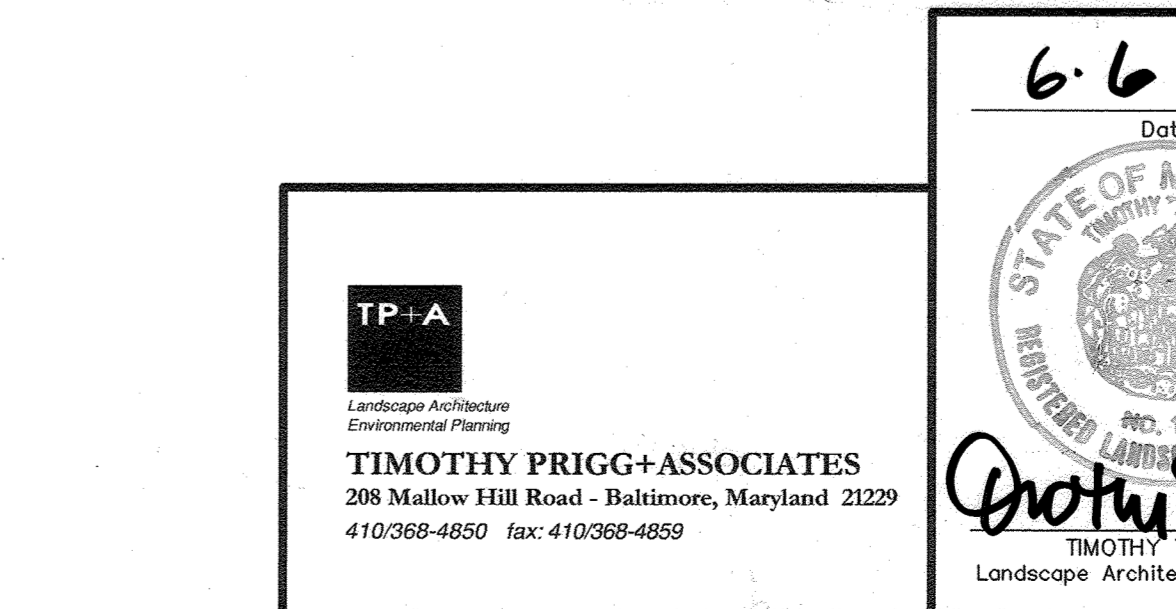
**2 Evergreen Tree Planting Detail**

Scale: 1/2" = 1'-0"



**3 Shrub Planting Detail**

Scale: 1/2" = 1'-0"



- Landscape Notes**
- Contractor shall be responsible for making himself familiar with all existing on-site conditions prior to submission of bid. The contractor is responsible for the location of all underground utilities, pipes, and structures. Contractor shall take sole responsibility for any cost incurred due to damage of said utilities. Call Miss Utility, 48 hours prior to digging. (1-800-257-7777)
  - Size and standards of plant materials shall conform to latest edition of "USA Standards For Nursery Stock", by the American Association of Nurserymen, Inc. (AAN).
  - All planting procedures and specifications shall conform to "Landscape Guidelines for Baltimore-Washington Metropolitan Area" latest edition.
  - Contractor shall guarantee all plant material for one (1) year from planting approval/acceptance.
  - Contractor shall confirm quantity of plant materials by plan count.
  - Plant pit backfill shall be a uniform mixture of one (1) part topsoil, two (2) parts existing soil and one (1) part Leafgrow® or approved alternative organic compost.
  - All mulch shall be shredded hardwood mulch.
  - All plants shall be thoroughly watered by the contractor immediately following installation.
  - Contractor to adjust plant locations in field as necessary.
  - All plants shall be placed as not to obstruct drainage.
  - No plant substitutes without prior approval.
  - Where field conditions exist which would adversely affect plant performance, or interfere with proper planting procedures, the contractor shall notify the Engineer prior to installation of plant material.
  - All areas not otherwise indicated are to be seeded or sodded as per plan project specifications and in accordance with the Maryland Standards and Specifications for Soil Erosion and Sediment Control.
  - This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and the Landscape Manual.

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 DIRECTOR

Date	No.	Revision Description
3-18-22	4	ADDED SHADE STRUCTURE - FSH
3-7-2005	1	Add Spray Pad And Expanded Parking

PROJECT:  
**HOPEWELL NEIGHBORHOOD CENTER SWIMMING POOL**  
 COLUMBIA, MARYLAND 21044  
 VILLAGE OF OWEN BROWN  
 LOTS 325 & 337 SECTION 2 AREA 3  
 PLAT #3852 Grid 42, Elec. Dist. No. 6  
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TP+A  
 Landscape Architecture  
 Environmental Planning  
**TIMOTHY PRIGG+ASSOCIATES**  
 208 Mallow Hill Road - Baltimore, Maryland 21229  
 410/368-4850 fax: 410/368-4859

6.6.05  
 Date  
 STATE OF MARYLAND  
 PROFESSIONAL ENGINEER  
 No. 22410  
 Timothy T. Prigg  
 Landscape Architect No. 1000

Des. By	D.J.M.	Scale	1" = 20'	Proj. No.	04-040
Dim. By	D.J.M.	Date	APRIL, 2005	Drawing No.	De01.dwg
Chk. By	T.T.P.				5 OF 5