

**NOTES:**

1. DEPARTMENT OF PLANNING AND ZONING SHALL REVIEW PEDESTRIAN BRIDGE FOR LOCATION AND FLOOD PLAIN IMPACTS ONLY. DEPARTMENT OF INSURANCE LICENSING AND REGISTRY SHALL PERFORM STRUCTURAL REVIEW OF BRIDGE PERMIT STAGE.
2. ALL TREES 12 INCHES IN DIAMETER AND LARGER ARE NOT TO BE DISTURBED.
3. MDE AUTHORIZATION NUMBER: 35-NT-0807/173508438
4. THE HOWARD COUNTY DEPARTMENT OF RECREATION AND PARKS WILL BE RESPONSIBLE FOR ALL MAINTENANCE TO THE PATHWAY AND BRIDGE.
5. PATHWAY WILL EXTEND FROM EXISTING CARBAGE RUN SIDEWALK TO EXISTING PATHWAY THAT LEADS TO THE LIBRARY.

I hereby certify that revision No. 2 was prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the state of Maryland license No. 14991 expiration date 9/21/2002.

PROPERTY OF IRVIN AND GRACE DASHER, L. 399, F. 480, L. 482, F. 510, ZONED: R-12

**GENERAL NOTES**

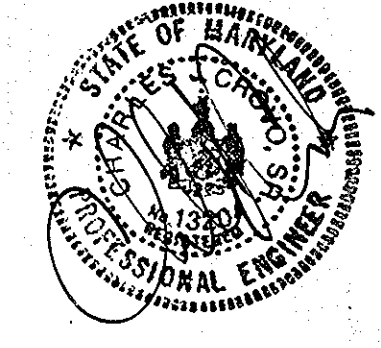
1. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.
2. PROJECT BACKGROUND:
  - A. LOCATION: 1. TAX MAP: 36 2. GRID: 21 3. PARCEL: P/O 275, P. 45
  - B. PROPERTY ZONED: NEW TOWN APARTMENTS FDP 212-A P.B. CASE NO. 285
  - C. ELECTION DISTRICT: 6
  - D. TOTAL TRACT AREA: 1.987 AC.
3. FIELD SURVEY PERFORMED BY FISHER, COLLINS AND CARTER, INC. IN SEPTEMBER, 1992 AS SHOWN HEREON 2' CONTOUR INTERVALS.
4. THIS PROJECT WILL UTILIZE PUBLIC WATER AND PUBLIC SEWER.
5. WATER AND SEWER CONTRACT NUMBERS ARE NOTED ON THE PLAN.
6. THIS PROJECT IS LOCATED WITHIN THE PATUXENT DRAINAGE AREA.
7. ALL EXISTING UTILITIES SHOWN HEREON HAVE BEEN LOCATED BY FIELD SURVEY AND EXISTING WATER AND SEWER CONTRACT DRAWINGS.
8. THIS PROJECT IS LOCATED WITHIN THE METROPOLITAN DISTRICT.
9. STORM WATER MANAGEMENT QUANTITY CONTROL IS PROVIDED IN EXISTING LAKE ELKHORN. WATER QUALITY CONTROL WILL BE PROVIDED OFF-SITE UTILIZING AN OIL GRIT SEPARATOR WHICH WILL REPLACE EXISTING LOT ON PARCEL D-4.
10. WETLANDS WERE FIELD LOCATED BY M.A. DIRCKS AND COMPANY ON OR ABOUT SEPTEMBER 20, 1992.
11. THIS PLAN IS SUBJECT TO FDP-212 A, FDP-127 A-V, F 77-142, Z 8-899M, F 92-192, MP 93-10, 5-93-06, PB CASE NO. 295, F-93-43, AND F-93-95.
12. PROPOSED 104 ONE (1) BEDROOM UNITS.
13. PROPOSED USE OF THE STRUCTURE: HOUSING FOR THE ELDERLY.
14. PARKING REQUIREMENTS FOR PROJECT:
  - A. PARKING REQUIRED: 32 SPACES
  - B. PARKING PROVIDED: 34 SPACES
  - C. STANDARD SPACES: 32 SPACES
  - D. HANDICAPPED SPACES: 2 SPACES
15. OPEN SPACE: 0.977 AC. OR 21649 SQ. FT. - **Parcel C-5.**
16. BUILDING COVERAGE: 21,297 SQ. FT. (GROUND FLOOR AREA/ 64,904.40 PARCEL C-4 APARTMENT LAND USE=32.81%.
17. THIS PROJECT IS SUBJECT TO WP 93-40 APPROVING A WAIVER FROM THE FOLLOWING SECTIONS: a) 16.120 NOT TO SUBMIT A PRELIMINARY PLAN; b) 16.115(d)(9) NOT TO HAVE FRONTAGE ON A PUBLIC ROAD AND c) 16.115(b)(2) TO ALLOW GRADING IN THE 75' STREAM BUFFER FOR THE CONSTRUCTION OF A BUILDING AND PARKING LOT AND TO ALLOW GRADING IN THE 25' WETLANDS AND 75' STREAM BUFFERS FOR THE INSTALLATION OF A PEDESTRIAN PATHWAY CROSSING OVER THE STREAM. THE WAIVER WAS APPROVED ON NOVEMBER 20, 1992.
18. THERE ARE NO STEEP SLOPES ON THE SUBJECT PROPERTY.
19. ON DECEMBER 9, 1992, THE PLANNING BOARD GRANTED A CONCEPTUAL APPROVAL FOR THE REDUCTION OF THE REQUIRED 20' SETBACK BETWEEN THE PARKING SPACES AND THE APARTMENT BUILDING TO 15'.
20. FLOOR AREA:
  - GROUND FLOOR: 21,297 SQ. FT. TOTAL AREA OF ALL FLOORS: 63,878 SQ. FT.
  - 2ND FLOOR: 21,297 SQ. FT.
  - 3RD FLOOR: 21,297 SQ. FT.
  - 4TH FLOOR: 19,977 SQ. FT.
21. SITE IS IN ACCORDANCE WITH ADA REQUIREMENTS. EXISTING & PROPOSED PARKING ON PARCELS D-4 AND C-4.

NOTE: THIS PLAN WAS APPROVED BY HOWARD COUNTY PLANNING BOARD IN A MEETING HELD ON MARCH 2, 1993.

**APPROVED PLANNING BOARD OF HOWARD COUNTY**  
DATE: 3-2-93

ADDRESS CHART		
LOT NO.	STREET ADDRESS	
C-4	TOTO CRADLEROCK WAY	
2	7/10/2010 Add Porch	
1	2-13-96 NOTES: 1-R, ADDITION OF A PATHWAY AND BRIDGE, BRIDGE DETAIL (SEE SHEET 4045)	
No.	DATE	DESCRIPTION
		REVISION

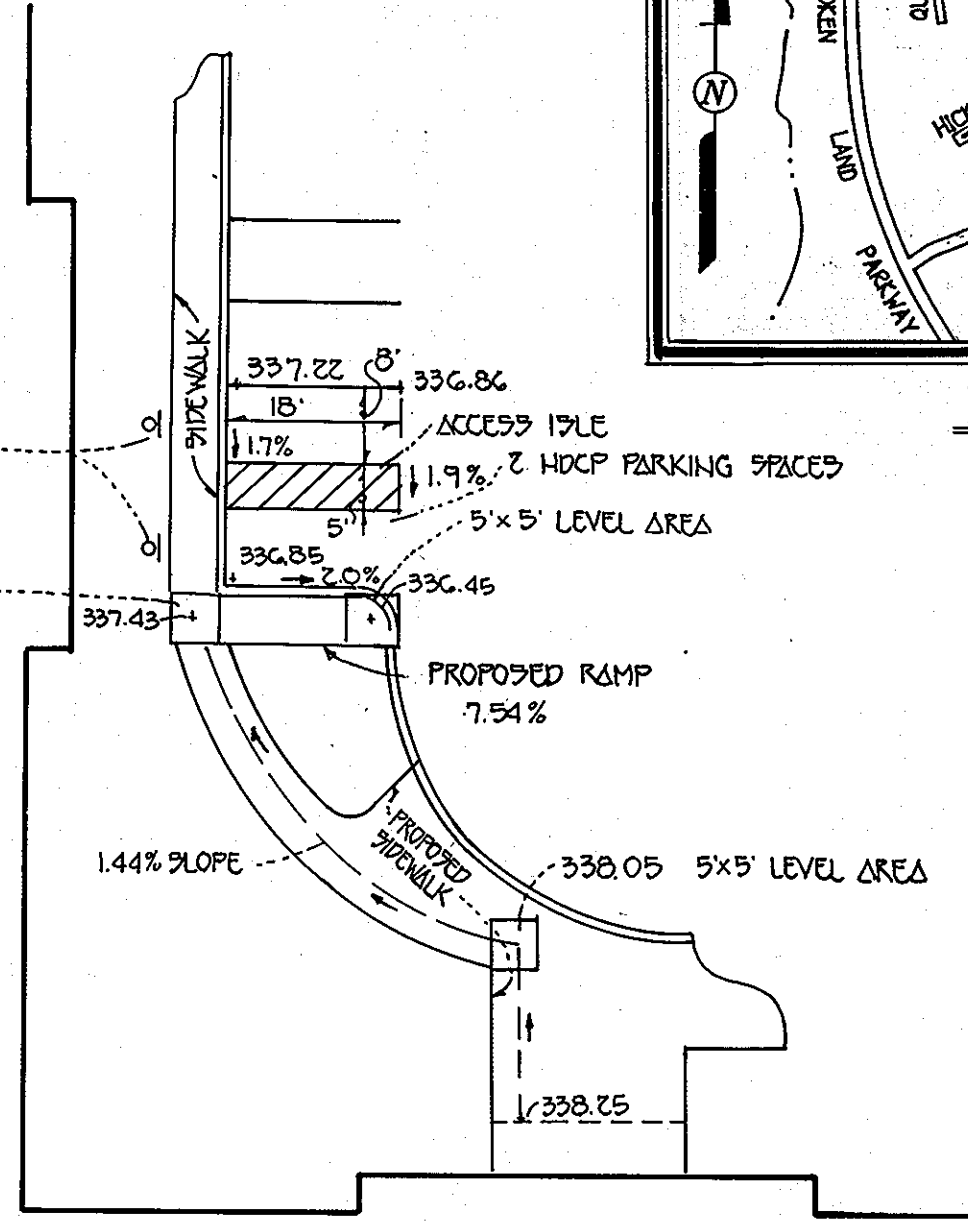
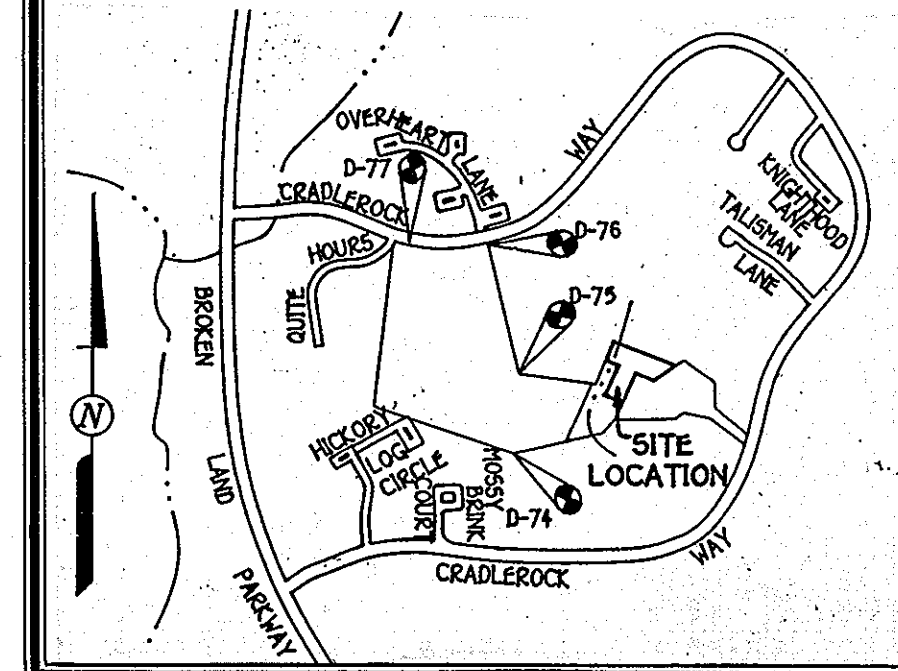
**OWNER/DEVELOPER**  
OWEN BROWN II LIMITED PARTNERSHIP  
SHELTER DEVELOPMENT GENERAL PARTNERSHIP  
SUITE 500, 210 N. CHARLES STREET  
BALTIMORE, MARYLAND 21201



PROPERTY OF VILLAGE OF OWEN BROWN SECTION 1, AREA 1, PLAT # 3911, ZONED: N.T.

PLAT 10361 EXISTING 60' WIDE EASEMENT FOR VEHICULAR ACCESS TO PARCELS D-1 & C

NOTE: THERE ARE SEVEN (7) DIFFERENT TYPES OF UNITS PROPOSED: SIX (6) FOR RESIDENTS & ONE (1) FOR THE MANAGER. MINIMUM UNIT FLOOR AREA PROPOSED: 570 SQ. FT.



NOTE: 1) HDCP SIGN AS PER STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION R7-8  
2) FINE SIGN AS PER HOWARD COUNTY COUNCIL BILL # 58-84.

**NOTE:**  
CONTRACTOR TO MATCH EXISTING CURB AND GUTTER FOR LINE AND GRADE  
UNLESS NOTED, ALL RADII ON CURB AND GUTTER SHALL BE 5' MIN.  
DP-1 DENOTES POINT OF OBSERVATION FOR ENVIRONMENTAL ANALYSIS  
L.O.D. - LIMITS OF DISTURBANCE  
MAIN ENTRANCE TO BE UTILIZED BY HANDICAPPED PERSONS.

**SHEET INDEX:**

SHEET 1 OF 5	PLAN VIEW
SHEET 2 OF 5	DETAILS AND NOTES
SHEET 3 OF 5	" "
SHEET 4 OF 5	SEDIMENT AND EROSION CONTROL
SHEET 5 OF 5	LANDSCAPE PLAN

**PARCEL C-4 A RESUBDIVISION OF PARCEL C-1 & C-3**

**SITE DEVELOPMENT PLAN**  
**OWEN BROWN PLACE II - ELDERLY HOUSING FACILITY**  
**COLUMBIA**  
VILLAGE OF OWEN BROWN SECTION 1, AREA 4  
TAX MAP 36 P/O PARCEL 275 & 46  
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 30' DATE: DECEMBER 31, 1992  
SHEET 1 OF 5

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
971 BALTIMORE NATIONAL PIKE, SUITE 100  
ELLCOTT CITY, MARYLAND 21043  
410-461-2895

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

Signature: [Signature] DATE: 4/1/93

**DEVELOPER'S CERTIFICATE**  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Signature: [Signature] DATE: 3-29-93

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE DATE: [Blank]

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

APPROVED: [Signature] DATE: 5/21/93

APPROVED: DEPT. OF PLANNING AND ZONING

James R. [Signature] 5/21/93  
PLANNING DIRECTOR DATE

James M. [Signature] 5/21/93  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

James M. [Signature] 5/21/93  
HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

James P. [Signature] 5/19/93  
DIRECTOR, PUBLIC WORKS DATE

James M. [Signature] 5-14-93  
CHIEF, BUREAU OF ENGINEERING DATE

PROPERTY/SUBDIVISION	SECTION/AREA	PARCELS			
VILLAGE OF OWEN BROWN	1 4	2-4 AND D-4			
PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
10763	21	NT-APPH	36	6	COG70C
WATER CODE	E11	SEWER CODE	5330900		





**PERMANENT SEEDING NOTES:**  
 APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

**SEEDBED PREPARATION:** LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.  
**SOIL AMENDMENTS:** IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 1) PREPARED - APPLY 2 TONS PER ACRE DOMESTIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING.
- 2) ACCEPTABLE - HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL, AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.) ACCEPTABLE - APPLY 2 TONS PER ACRE DOMESTIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING, HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.

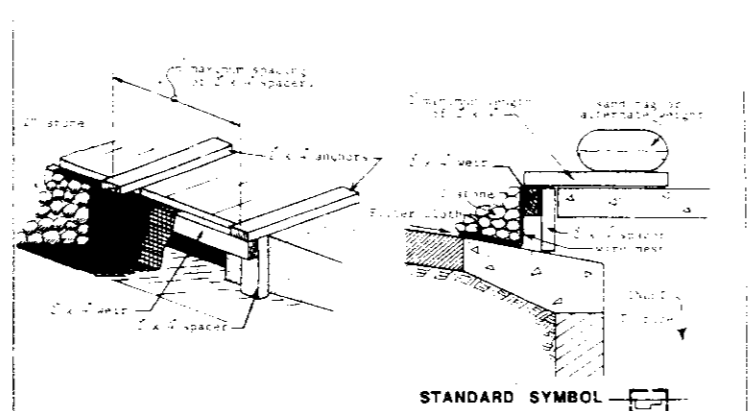
**SEEDING:** FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS/1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (2) USE SOIL, OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WILL ANCHORED STRAW. **MULCHING:** APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OR UNROTATED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING, ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING. **MAINTENANCE:** INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

**TEMPORARY SEEDING NOTES:**  
 APPLY TO GRADED OR CLEARED AREAS WHICH TO BE RE-SEEDING WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

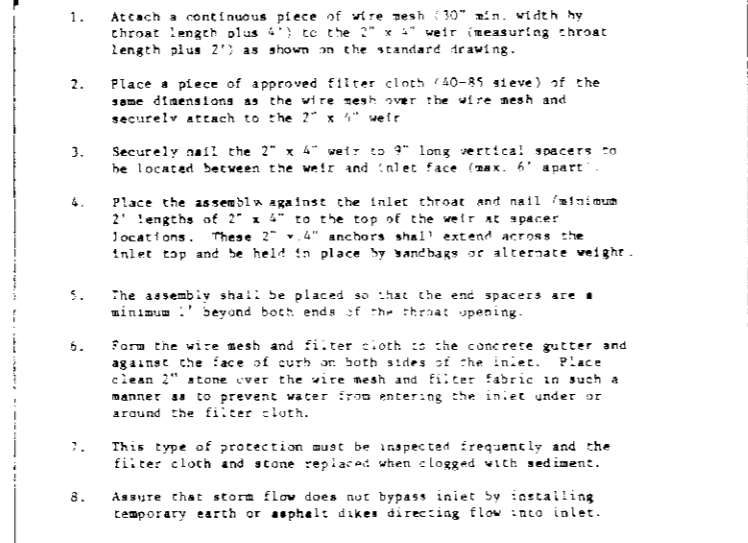
**SEEDBED PREPARATION:** LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.  
**SOIL AMENDMENTS:** APPLY 600 LBS PER ACRE, 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)

**SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30, AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 1/2 BUSHEL PER ACRE OF ANNUAL RYE (2.1 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOIL. **MULCHING:** APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTATED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING, ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FT. OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



STANDARD SYMBOL



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WHEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOODEN FENCE WITH TIES (SPACE OVER 24" AT TOP AND MID SECTION).
3. MEETING SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND NAIL.
4. MAINTENANCE SHALL BE PERFORMED AS SEEDING AND MATERIAL REMOVED WHEN "MUDS" DEVELOP IN THE SILT FENCE.

SILT FENCE NOT TO SCALE

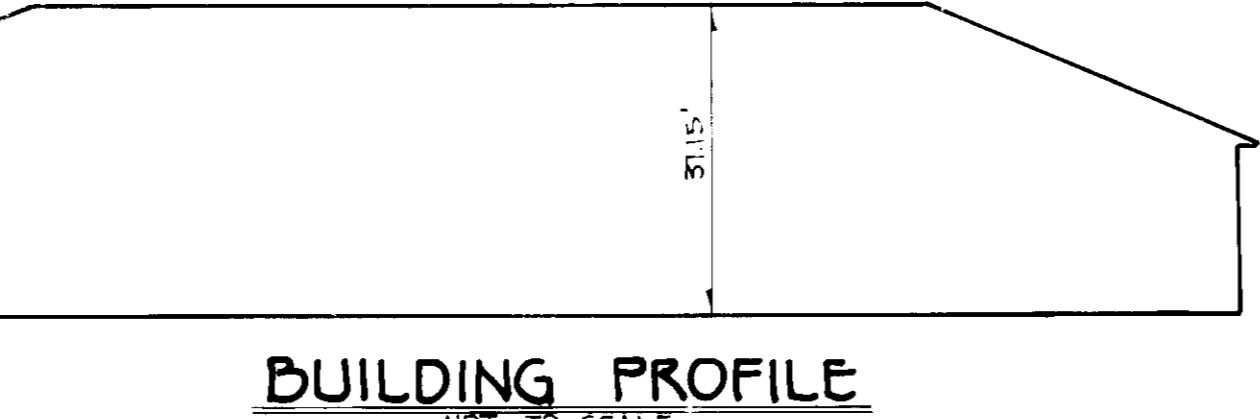
**P-2 PAVING SECTION**  
 NOT TO SCALE



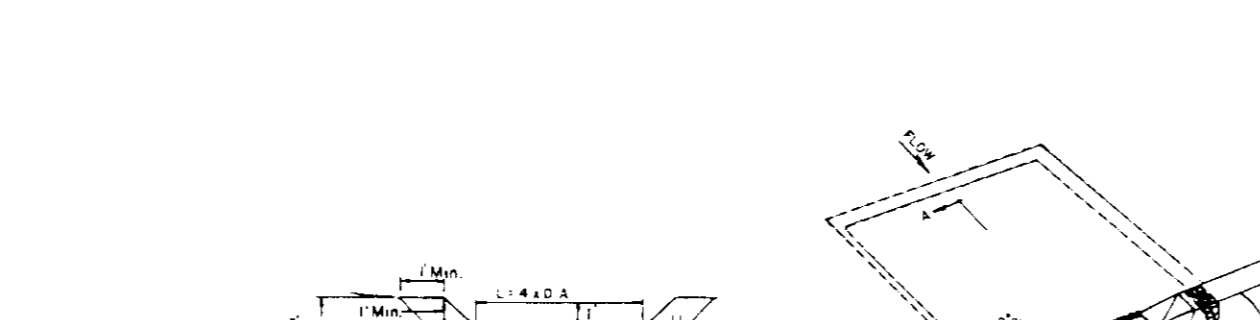
P-2 PAVING SECTION NOT TO SCALE

**SEDIMENT CONTROL NOTES**

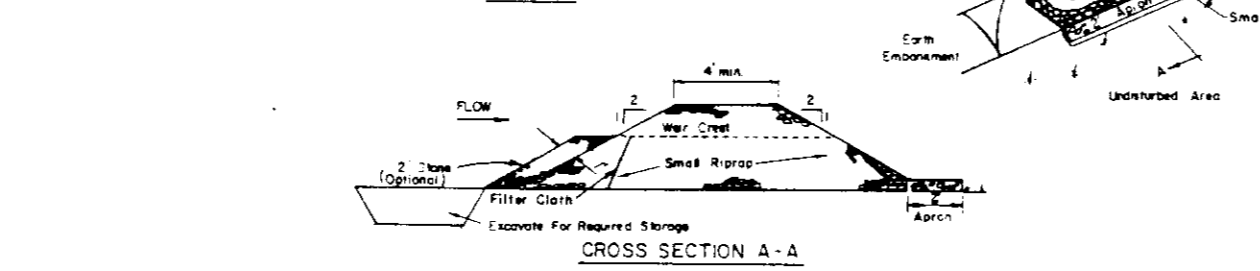
- 1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (1992-2437).
- 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: 1. CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL GREATER THAN 3:1; 2. 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4) ALL SEDIMENT TRAPS/BASINS SHOW MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- 5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOIL (SEC. 54), TEMPORARY STABILIZATION (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 7) SITE ANALYSIS:
  - TOTAL AREA OF SITE: 2.02 ACRES
  - AREA TO BE ROOFED OR PAVED: 1.00 ACRES
  - AREA TO BE VEGETATIVELY STABILIZED: 1.02 ACRES
  - TOTAL CUT: 3100 CU. YDS.
  - TOTAL FILL: 3100 CU. YDS.
  - OFFSITE WASTE/BORROW AREA LOCATION: SEE PLAN
- 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR, ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES.
- 10) APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED FOR COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EROSION DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.



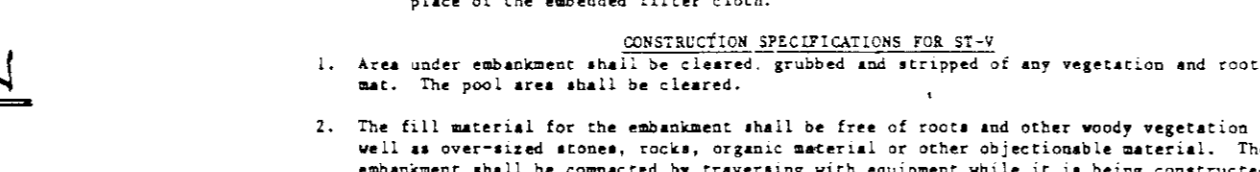
BUILDING PROFILE NOT TO SCALE



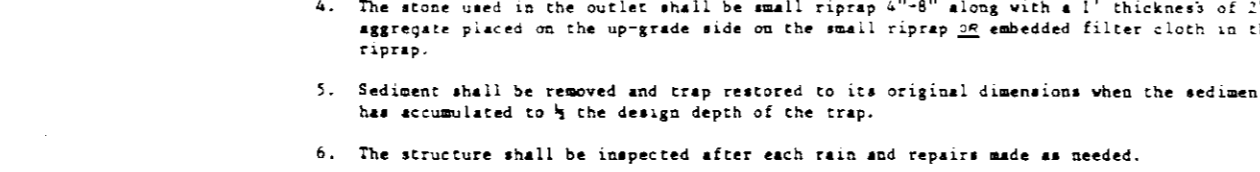
MONOLITHIC CURB & SIDEWALK DETAIL NOT TO SCALE



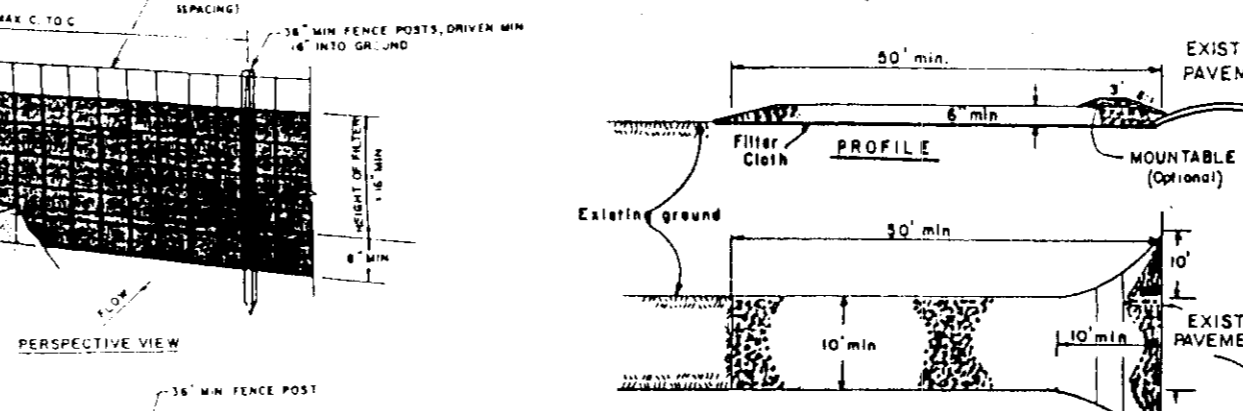
STONE OUTLET SEDIMENT TRAP NOT TO SCALE



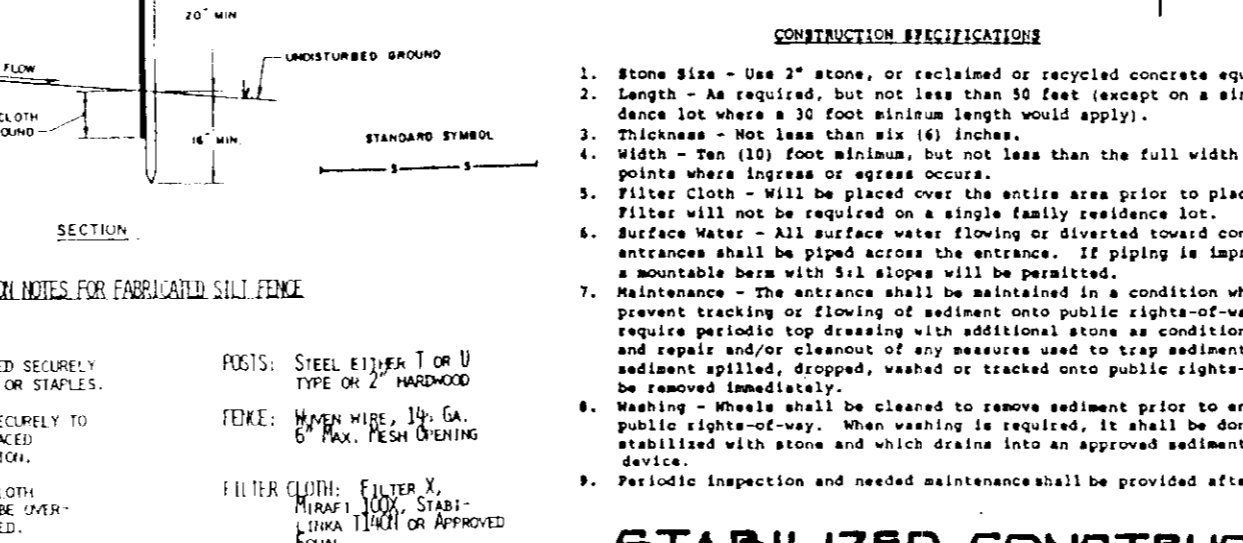
STANDARD 7" COMBINATION CURB AND GUTTER NO SCALE



REVERSE 7" COMBINATION CURB AND GUTTER NO SCALE



STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE

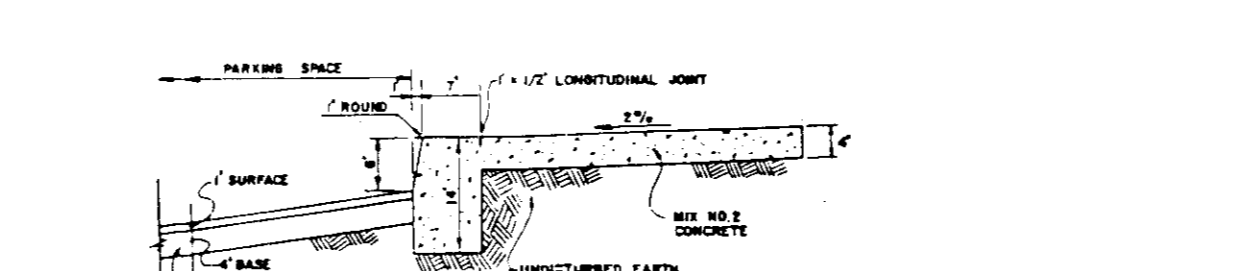


CONSTRUCTION SPECIFICATIONS

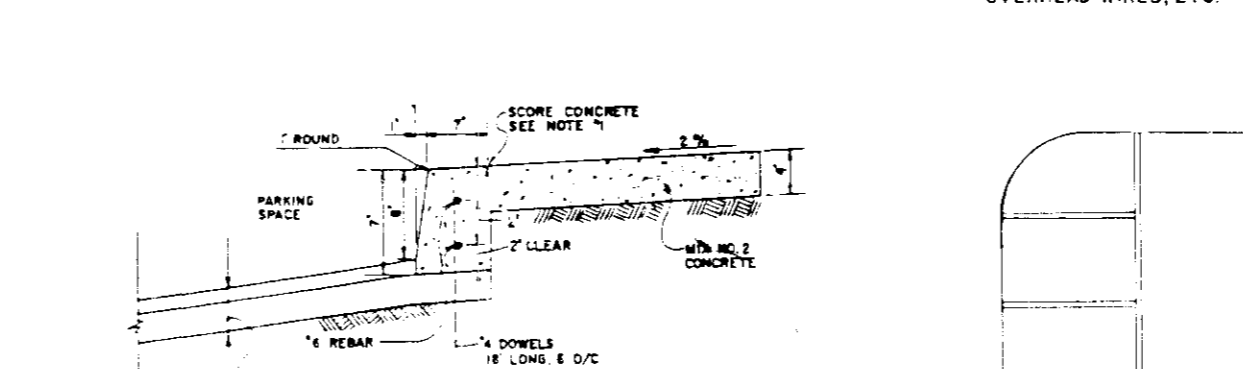
1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single rest-bank line where a 25 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Spacing - The 100' foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Must be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Maintenance - The entrance shall be maintained in a condition which will prevent backing or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment applied, disposed, stored or tracked onto public right-of-way must be removed immediately.
7. Weeding - Weeds shall be cleared to remove sediment prior to entrance onto public right-of-way. When weeding is required, it shall be done on an area established with stone and which drains into an approved sediment trap or device.
8. Periodic inspection and needed maintenance shall be provided after each rain.

SILT FENCE NOT TO SCALE

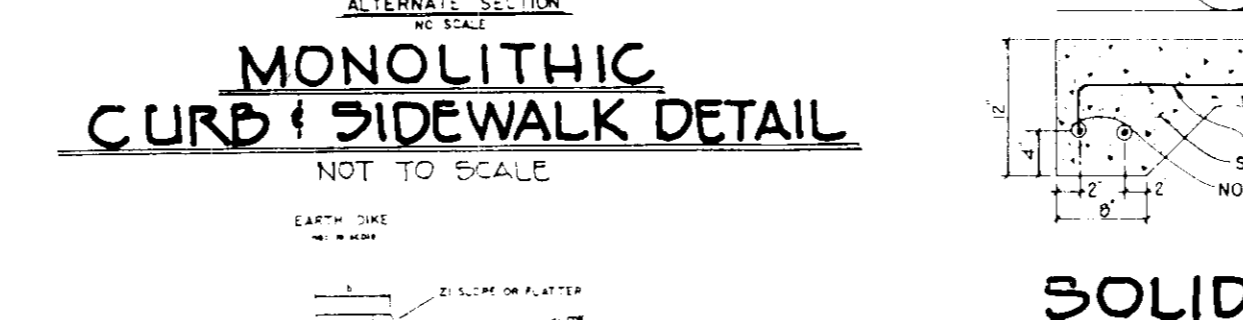
**ENTRANCE**  
 NOT TO SCALE



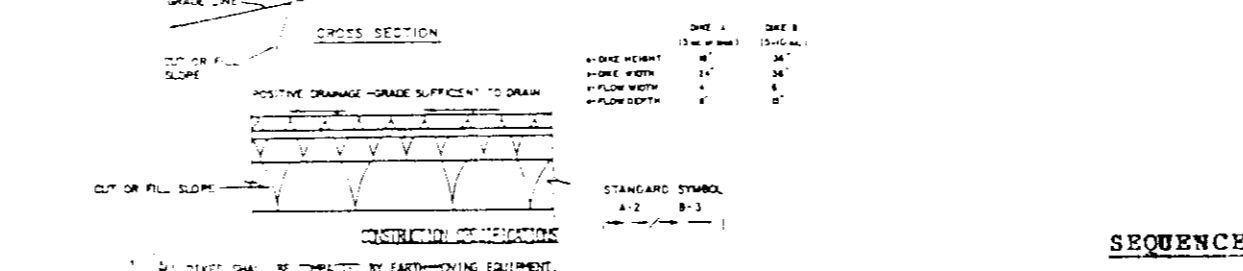
MONOLITHIC CURB & SIDEWALK DETAIL NOT TO SCALE



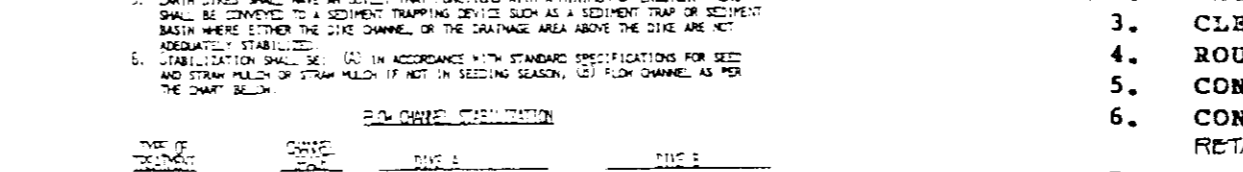
SOLID WASTE SERVICE PAD NOT TO SCALE



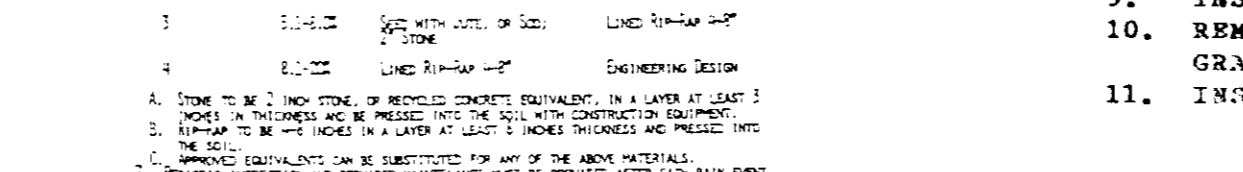
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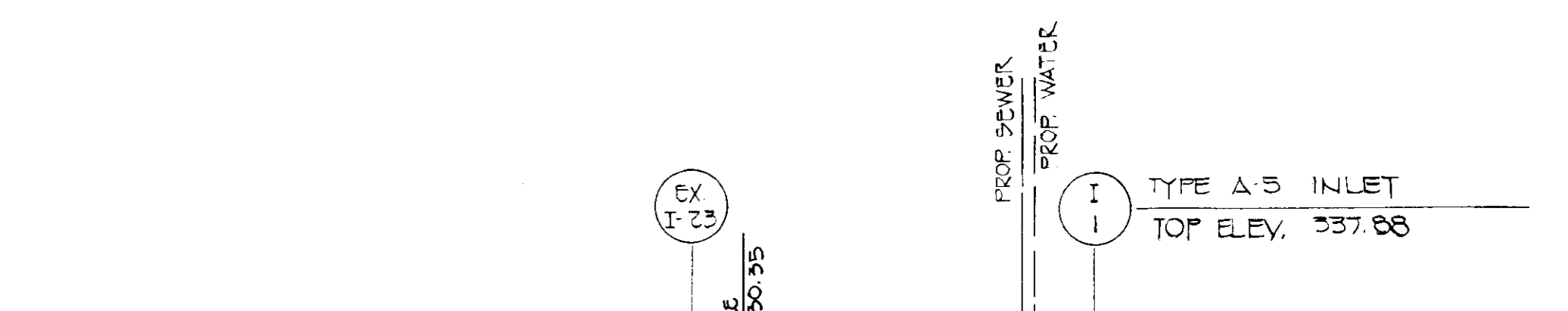
STONE OUTLET SEDIMENT TRAP NOT TO SCALE



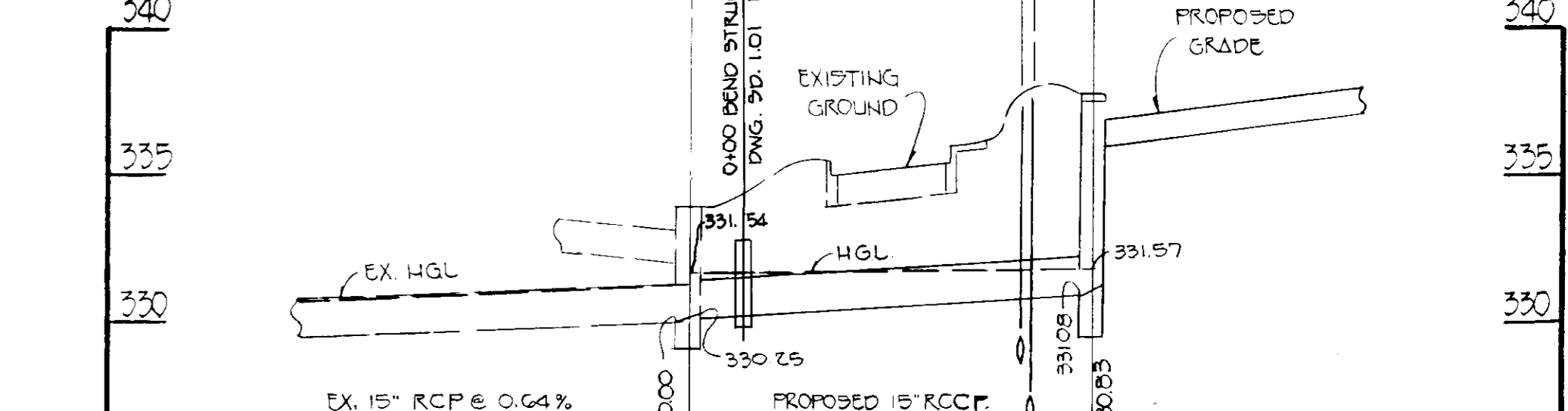
STANDARD 7" COMBINATION CURB AND GUTTER NO SCALE



REVERSE 7" COMBINATION CURB AND GUTTER NO SCALE



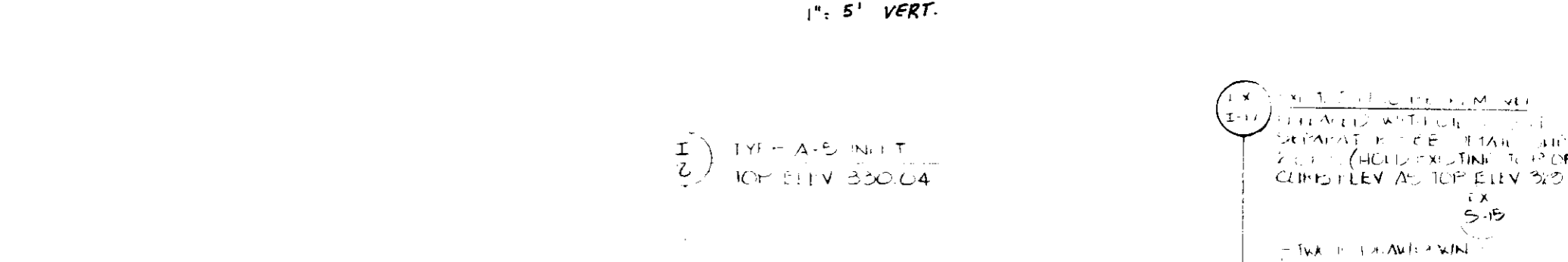
TYPICAL PROFILE



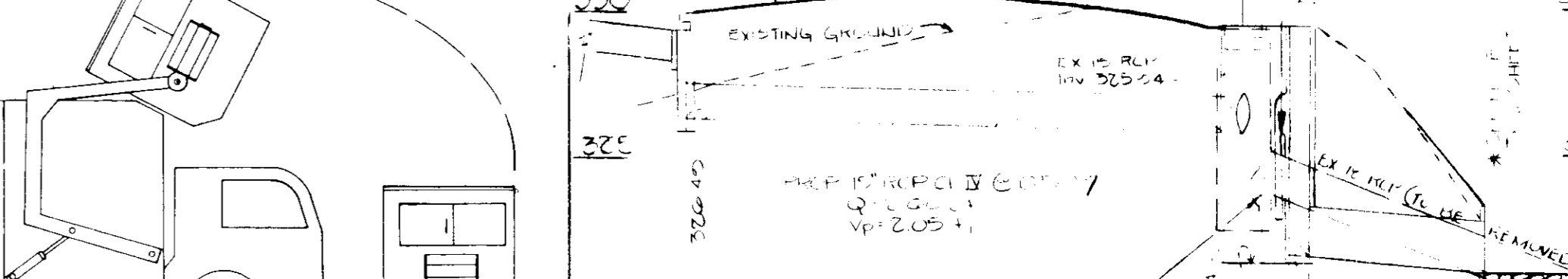
TYPICAL PROFILE

SCALE: 1" = 30' HORIZ.  
 1" = 5' VERT.

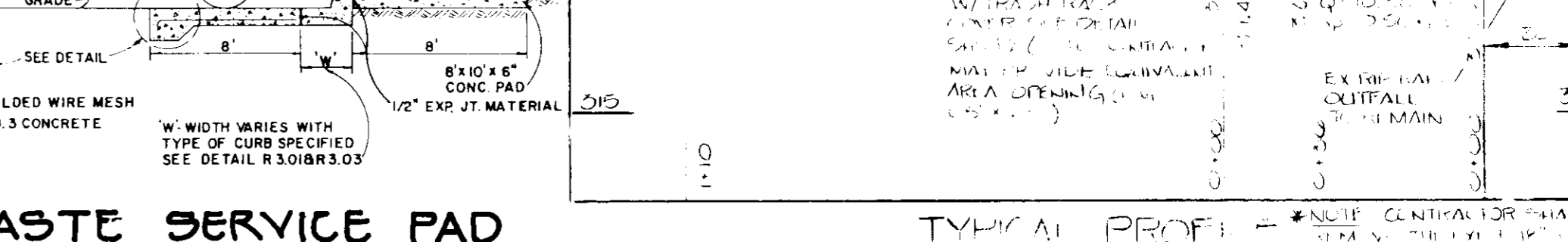
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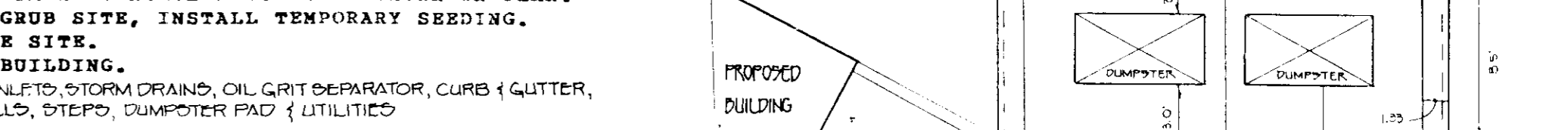
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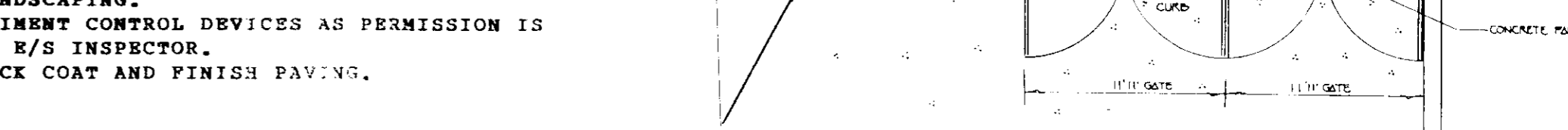
TYPICAL PROFILE



TYPICAL PROFILE



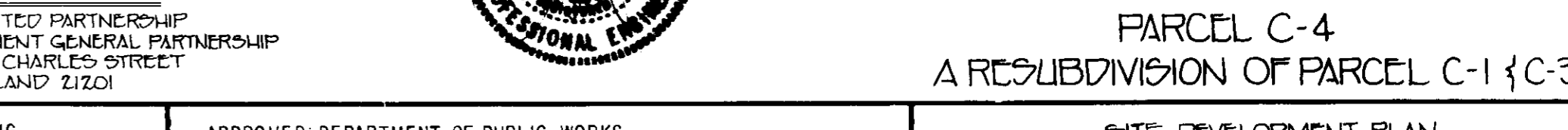
TYPICAL PROFILE



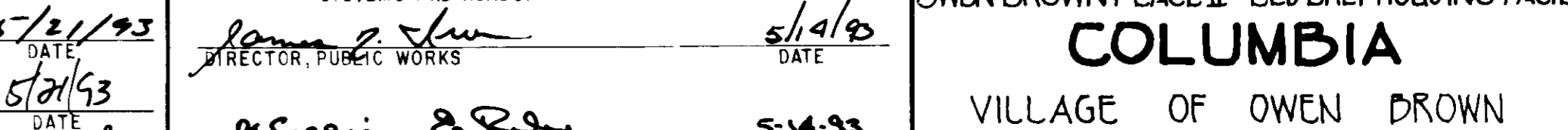
TYPICAL PROFILE



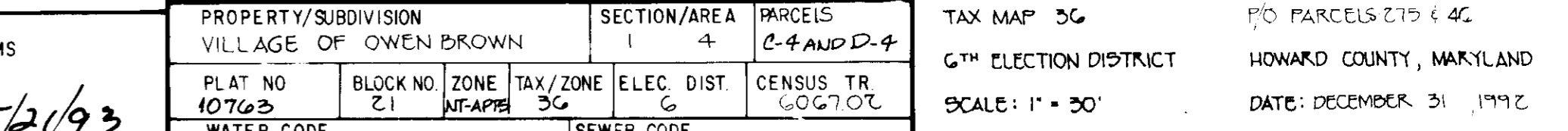
TYPICAL PROFILE



TYPICAL PROFILE



TYPICAL PROFILE



TYPICAL PROFILE



TYPICAL PROFILE

APPROVED  
 PLANNING AND ZONING  
 DATE: 3-2-93

FISHER, COLLINS & CARTER, INC.  
 CIVIL ENGINEERING CONSULTANTS • LAND SURVEYORS  
 7171 BALTIMORE NATIONAL PIKE, SUITE 100  
 ELICOTT CITY, MARYLAND 21042  
 TELEPHONE: (410) 461-2855  
 FAX: (410) 750-3784

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

DATE: 4/1/93  
 SIGNATURE OF ENGINEER

DEVELOPER'S CERTIFICATE  
 I/WE CERTIFY THAT THIS DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

DATE: 3-29-93  
 SIGNATURE OF DEVELOPER

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
 DATE: 5/10/93

DATE: 5/10/93  
 SIGNATURE OF DISTRICT OFFICER

APPROVED DEPT. OF PLANNING AND ZONING  
 DATE: 5/21/93

DATE: 5/21/93  
 SIGNATURE OF PLANNING DIRECTOR

APPROVED DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.  
 DATE: 5/14/93

DATE: 5/14/93  
 SIGNATURE OF DIRECTOR, PUBLIC WORKS

APPROVED HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS  
 DATE: 5/21/93

DATE: 5/21/93  
 SIGNATURE OF HEALTH OFFICER

OWNER/DEVELOPER  
 OWEN BROWN II LIMITED PARTNERSHIP  
 SHELTER DEVELOPMENT GENERAL PARTNERSHIP  
 QUITE ROAD, 710 N. CHARLES STREET  
 BALTIMORE, MARYLAND 21201

PROPERTY/SUBDIVISION  
 VILLAGE OF OWEN BROWN  
 SECTION/AREA  
 1 4  
 PARCELS  
 C-4 AND D-4  
 TAX MAP 56  
 G<sup>th</sup> ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 DATE: DECEMBER 31, 1992

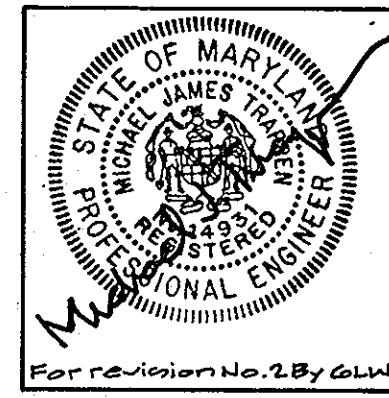
TAX MAP 56  
 G<sup>th</sup> ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 DATE: DECEMBER 31, 1992

SHEET 3 OF 5  
 SDF 93-65

STATE OF MARYLAND  
 PROFESSIONAL ENGINEER

STATE OF MARYLAND  
 PROFESSIONAL ENGINEER





Revisions made 7/10/93  
As indicated on these plans  
Are By:  
Gutschick, Little & Weber, P.A.  
3500 National Drive, Suite 250  
Baltimore, MD 21204

I hereby certify that revision No. 2 was prepared or approved by me and that I am a duly licensed professional engineer under the laws of the state of Maryland license No. 14991 expiration date 01/21/92.

DA = 0.4117 AC  
C = 0.47  
ZONED: NT

PROPERTY OF  
IRVIN AND GRACE BASHAR  
L 899 P 450  
L 482 P 510  
ZONED R 12

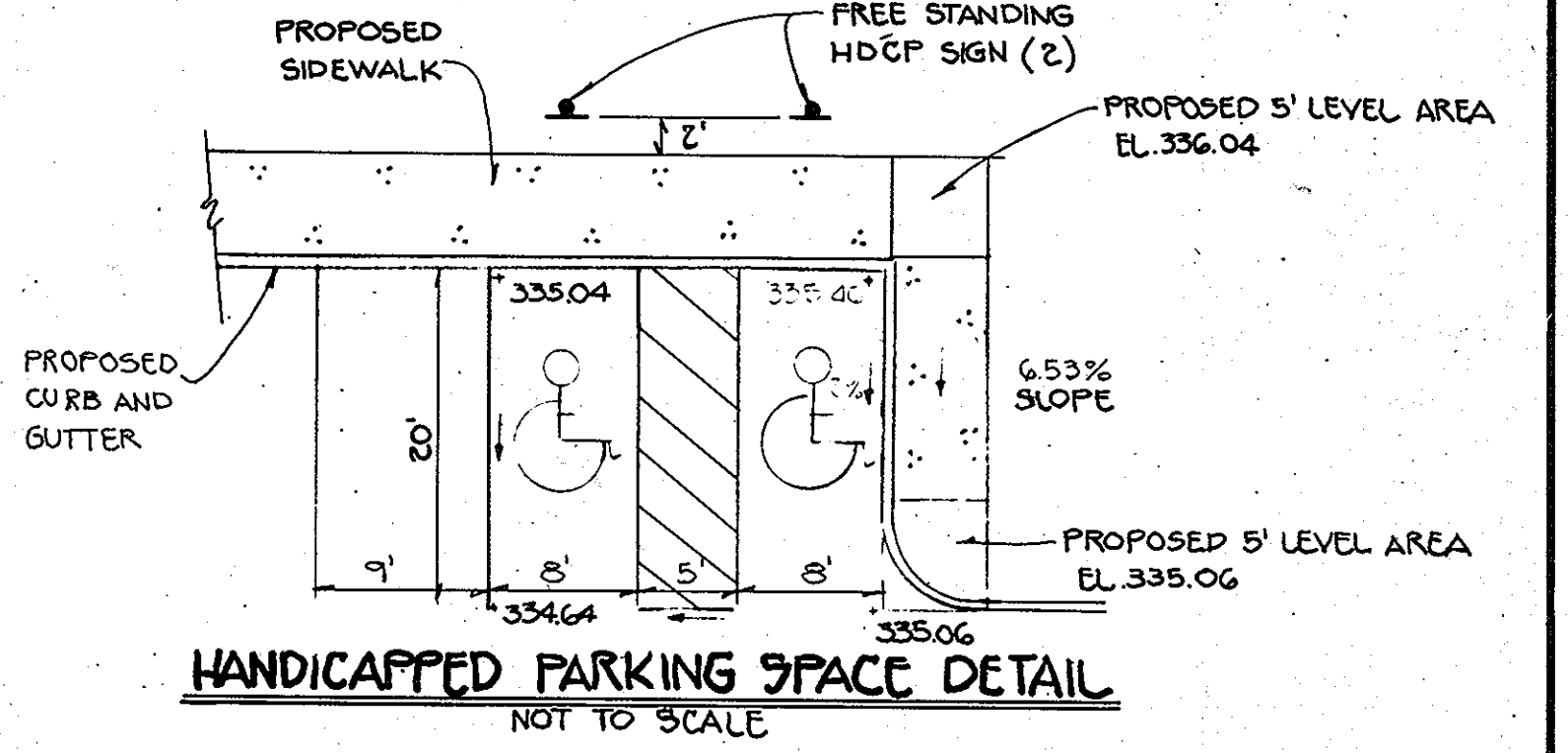
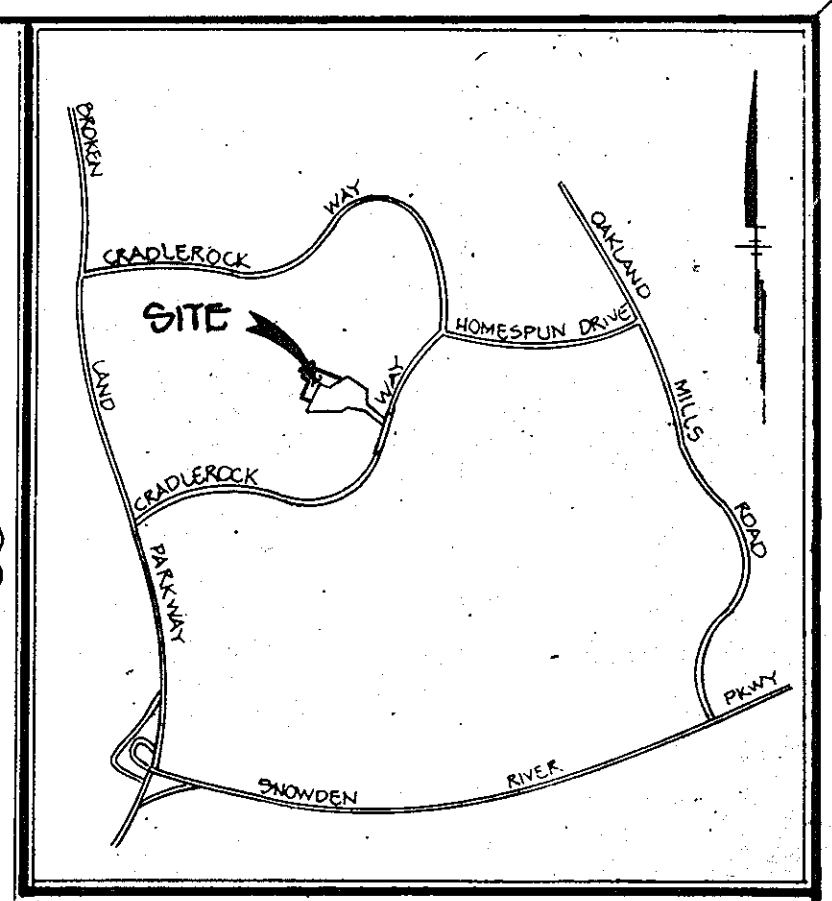
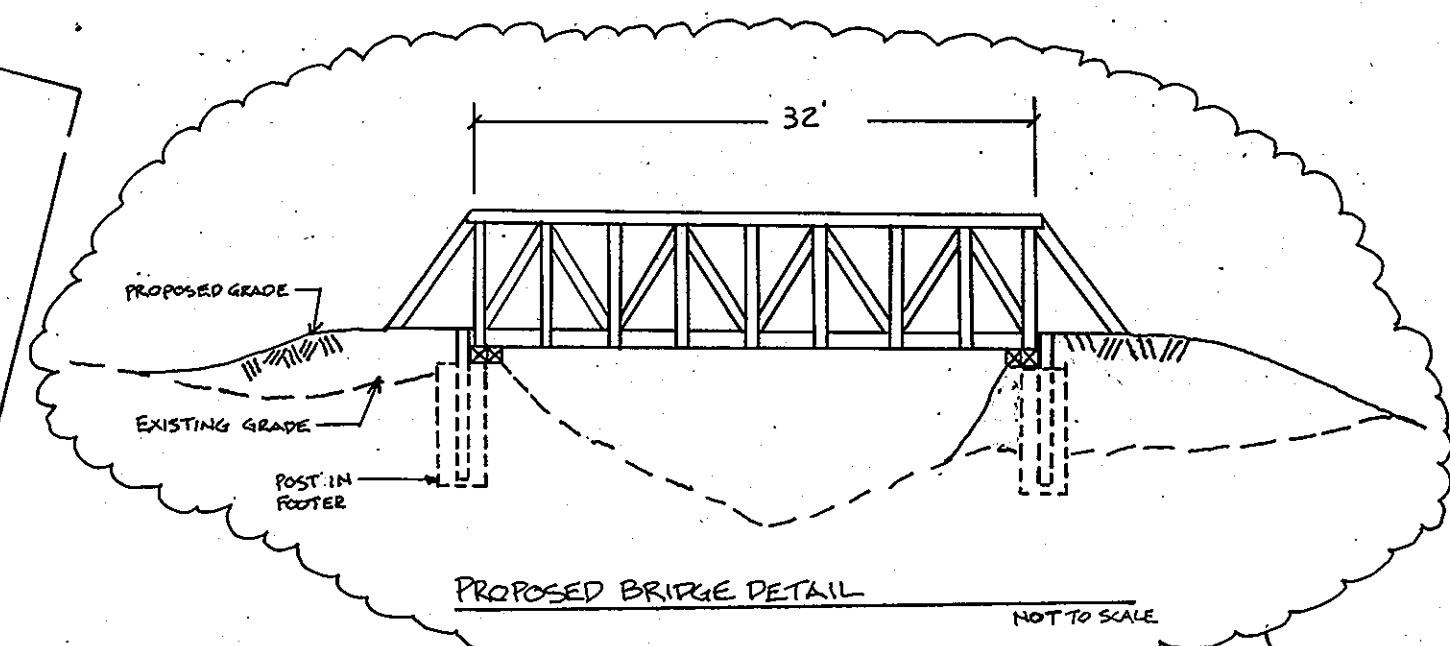
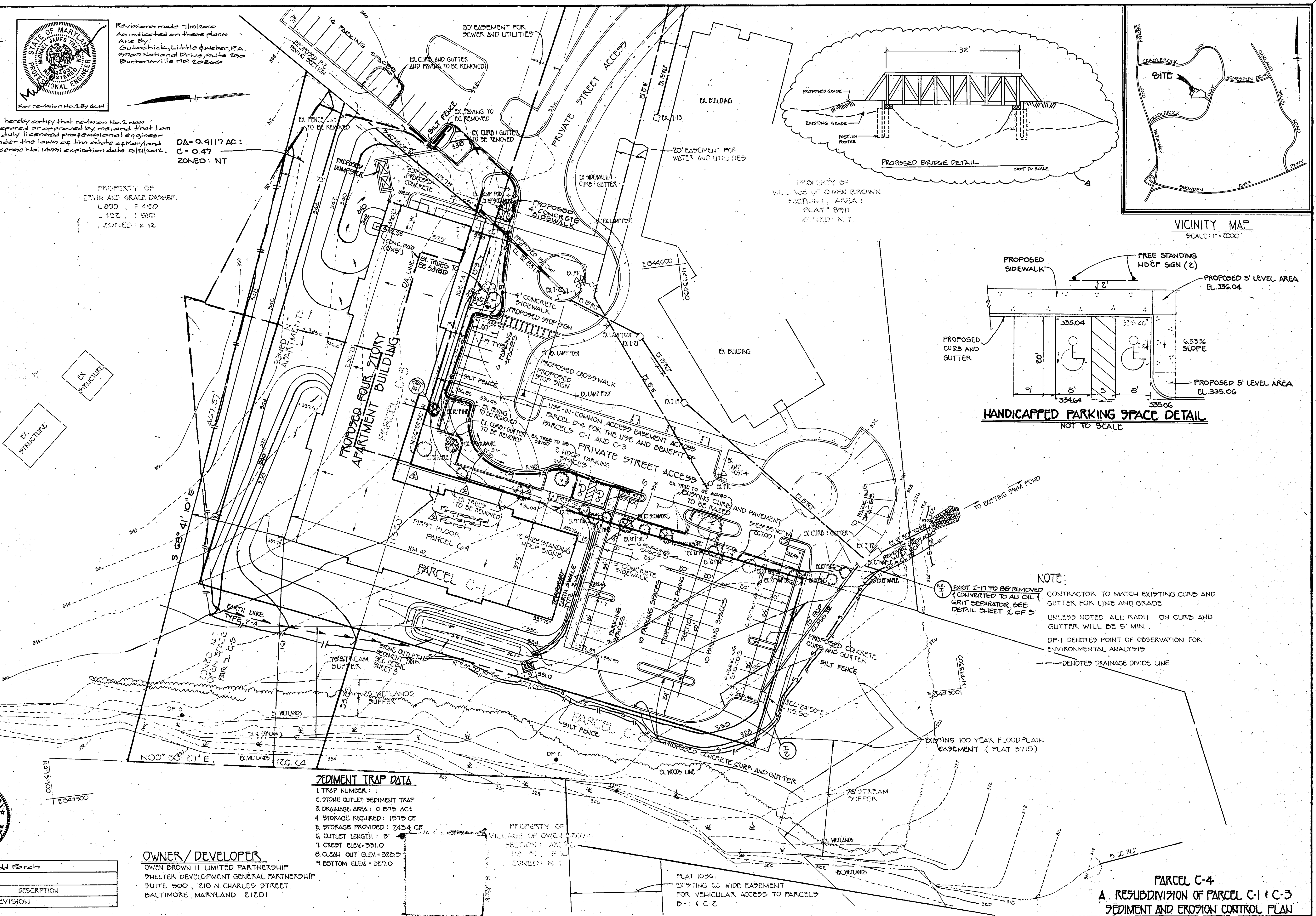
TEMPORARY SWALE  
AS ON PLANS  
CROSS SECTION  
PLAN VIEW  
CONSTRUCTION SPECIFICATIONS

1. ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING SERVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
4. ALL TREES, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSAL OF IS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
5. THE SWALE SHALL BE EXCAVATED TO SHARP TO LINE, CORNER, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPAIR NORMAL FLOW.
6. FILL SHALL BE COMPACTED BY BATTERY HOVING EQUIPMENT.
7. ALL EARTH REMOVED AND NOT USED IN CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
8. STABILIZATION SHALL BE AS PER THE CHART BELOW:

FLOW CHANNEL STABILIZATION			
TOP OF DISTURBANCE	CHANNEL DEPTH	A (C/S AC OR 1440)	B (C/S AC OR 1440)
1	0.5-3.0'	SEED AND STRAW PALM	SEED AND STRAW PALM
2	3.1-5.0'	SEED AND STRAW PALM	SEED AND STRAW PALM
3	5.1-8.0'	SEED WITH AVE OR EXCELLENCE	SEED WITH AVE OR EXCELLENCE
4	8.1-20'	LINED 4-8" RUP-RAP	LINED 4-8" RUP-RAP

9. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

U.S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
COLLEGE PARK, MARYLAND

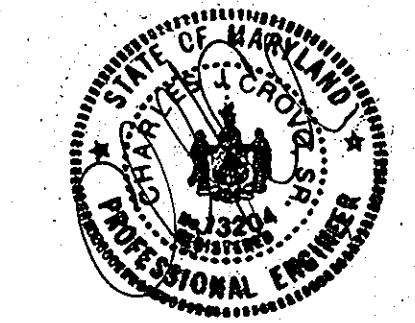


NOTE:  
CONTRACTOR TO MATCH EXISTING CURB AND GUTTER FOR LINE AND GRADE  
UNLESS NOTED, ALL RADII ON CURB AND GUTTER WILL BE 5' MIN.  
DP-1 DENOTES POINT OF OBSERVATION FOR ENVIRONMENTAL ANALYSIS  
--- DENOTES DRAINAGE DIVIDE LINE

**SEDIMENT TRAP DATA**  
1. TRAP NUMBER: 1  
2. STONE OUTLET SEDIMENT TRAP  
3. DRAINAGE AREA: 0.875 AC  
4. STORAGE REQUIRED: 1575 CF  
5. STORAGE PROVIDED: 2434 CF  
6. OUTLET LENGTH: 5'  
7. CREST ELEV.: 331.0  
8. CLEAN OUT ELEV.: 322.0  
9. BOTTOM ELEV.: 327.0

**OWNER/DEVELOPER**  
OWEN BROWN II LIMITED PARTNERSHIP  
SHELTER DEVELOPMENT GENERAL PARTNERSHIP  
SUITE 500, 210 N. CHARLES STREET  
BALTIMORE, MARYLAND 21201

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 8-2-93



NO	DATE	DESCRIPTION
2	7/10/93	Add Parsh

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS - LAND SURVEYORS  
7171 BALTIMORE NATIONAL PIKE, SUITE 100  
ELLICOTT CITY, MARYLAND 21042  
TELEPHONE: (410) 461-2555  
FAX: (410) 750-3784

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

Signature: [Signature]  
DATE: 4/1/93

**DEVELOPER'S CERTIFICATE**  
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

Signature: Barbara D. King  
DATE: 3-29-93

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
Signature: [Signature]  
DATE: 5/10/93  
U.S. SOIL CONSERVATION SERVICE  
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT APPROVED  
Signature: [Signature]  
DATE: 5/10/93  
HOWARD SOIL CONSERVATION DISTRICT

APPROVED DEPT. OF PLANNING AND ZONING  
Signature: [Signature]  
DATE: 5/21/93  
PLANNING DIRECTOR  
Signature: [Signature]  
DATE: 5/21/93  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
APPROVED HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS  
Signature: [Signature]  
DATE: 5/21/93  
HEALTH OFFICER

APPROVED DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS  
Signature: [Signature]  
DATE: 5/10/93  
DIRECTOR, PUBLIC WORKS  
Signature: [Signature]  
DATE: 5-14-93  
CHIEF BUREAU OF ENGINEERING

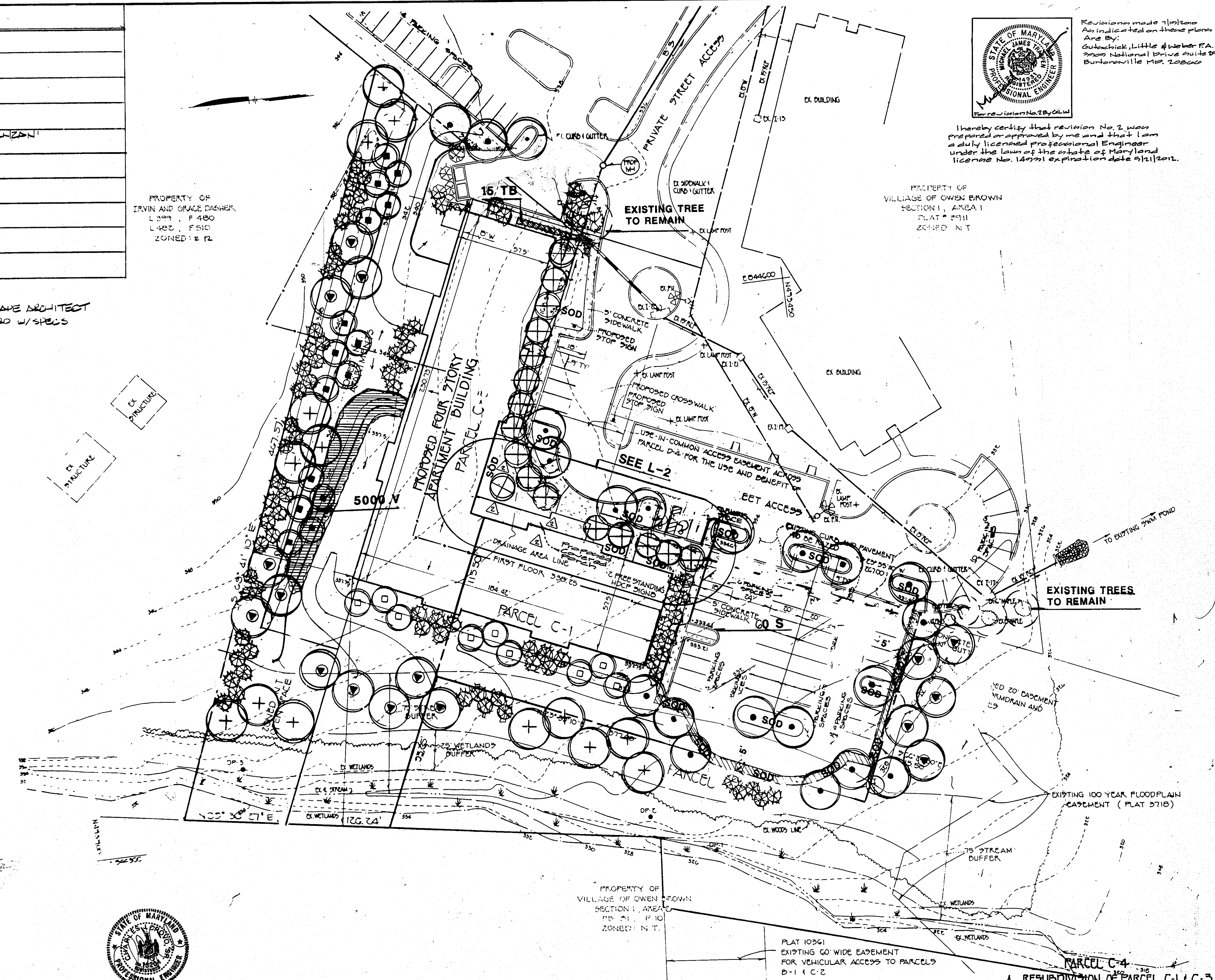
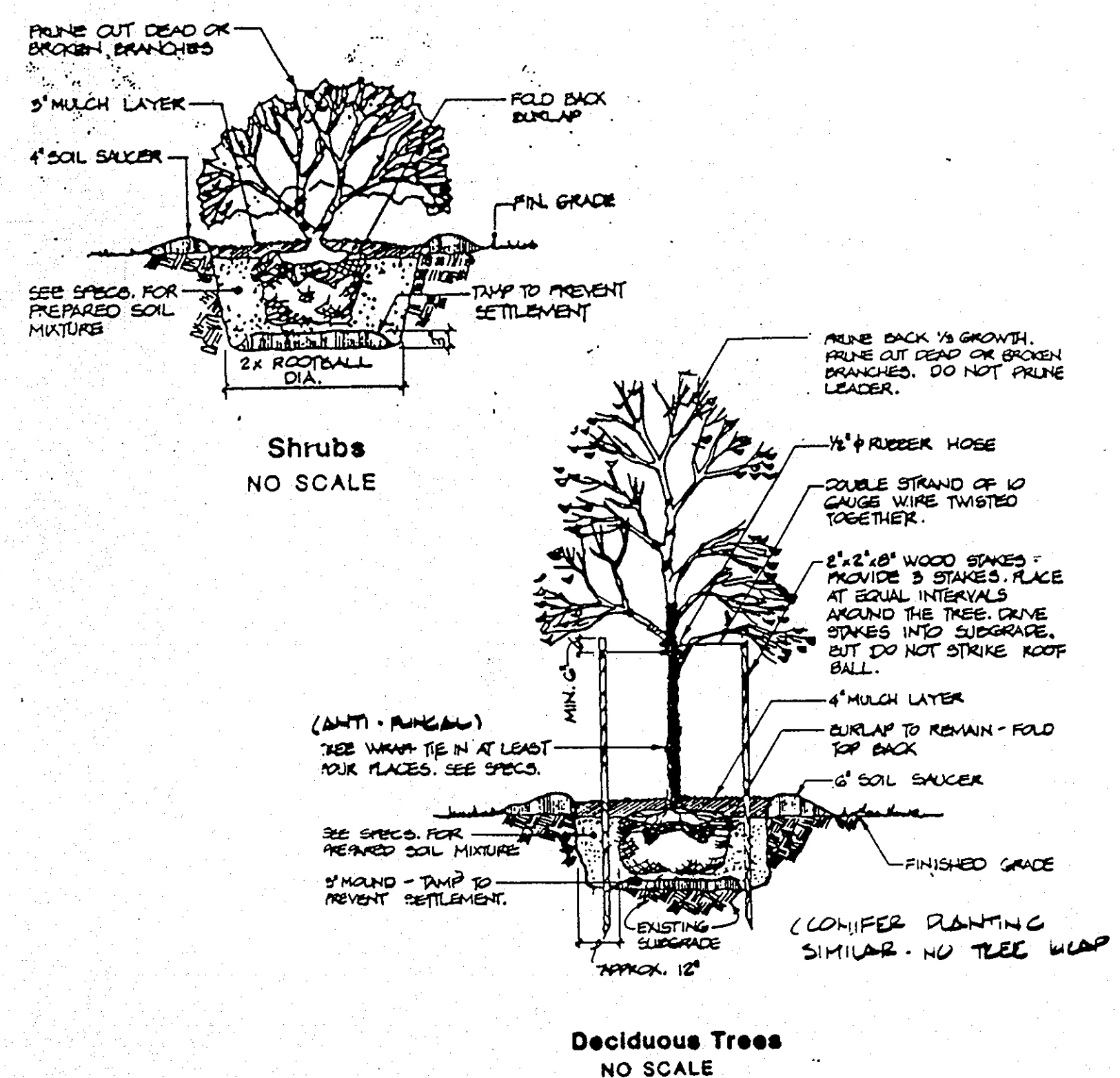
**PARCEL C-4**  
A. RESUBDIVISION OF PARCEL C-1 & C-3  
**SEDIMENT AND EROSION CONTROL PLAN**  
SITE DEVELOPMENT PLAN  
OWEN BROWN PLACE II - ELDERLY HOUSING FACILITY  
**COLUMBIA**  
VILLAGE OF OWEN BROWN  
SECTION I, AREA 4  
TAX MAP: 36 P/O PARCEL 275 & 46  
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 30' DATE: DECEMBER 31, 1992  
SHEET 4 OF 5  
9DP 93-65



KEY	QUNT	BOTANICAL NAME COMMON NAME	SIZE	COND	NOTES
⊙	16	ACER RUBRUM RED MAPLE	3' CAL.	BB	
+	14	FRAXINUS AMERICANA BUT. APRYUSE BUTUMN APRYUSE WHITE ASH	3' CAL.	BB	
⊙	22	PLATANUS DECEFOIDA LONDON PLANE TREE	3' CAL.	BB	
⊙	15	PRUNUS YEDOENSIS YOSHINO CHERRY	2' CAL.	BB	
⊕	17	PRUNUS SUB. 'ALTIMINUS' AUTUMNUS CHERRY	2' CAL.	BB	DET. 'QUINZAN' MATCHED
⊙	9	PRUNUS COLLERYANA REDSARE REDSARE PEAR	2' CAL.	BB	
⊙	92	PINUS STROBUS E. WHITE PINE	6'-7'	BB	4' O.C.
TB	15	TAXUS B. REPENDENS KEEPING YEW	2 1/2'-3'	BB/CONT	3 1/2' O.C.
S	60	SEDUM 'AUTUMN JOY' AUTUMN JOY SEDUM	1 CAL.	CONT	15' O.C.
V	9000	VINCA MINOR PERIWINKLE	2 1/4" POT	PLANTS	8" O.C.

NOTE: SEE L-2 FOR ADDITIONAL PLANTING  
ALL PLANT LOCATIONS TO BE PROVIDED IN THE FIELD BY THE LANDSCAPE ARCHITECT  
ALL DISTURBED AREAS NOT OTHERWISE NOTED SHALL BE SEEDED IN ACCORD W/ SPECS

NOTE: L-2 IS A PLAN IN THE ARCHITECTURAL DRAWINGS SET.



Revisions made 7/10/93  
As indicated on these plans  
Are By:  
Gutierrez, Little & Weber P.A.  
3900 National Drive Suite 250  
Baltimore MD 21206

STATE OF MARYLAND  
JAMES H. HARRIS  
REGISTERED PROFESSIONAL ENGINEER  
No. 14971  
Expiration Date 5/31/2012

I hereby certify that revision No. 2 was prepared and approved by me and that I am a duly licensed Professional Engineer under the laws of the State of Maryland license No. 14971 expiration date 5/31/2012.

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 3-2-93



2	7/10/93	Add Porch
No.	Date	Revision

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERS & LAND SURVEYORS  
SUITE 100, 9171 BALTIMORE NATIONAL PIKE  
ELLICOTT CITY, MARYLAND 21043  
(301) 461-2855

ENGINEER'S CERTIFICATE  
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Signature: *[Signature]*  
DATE: 4/1/93

DEVELOPER'S CERTIFICATE  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Signature: *[Signature]*  
DATE: 3-29-93

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE DATE: 5/21/93

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

APPROVED: DATE: 5/21/93

APPROVED: DEPT. OF PLANNING AND ZONING

James H. Harris 5/21/93  
PLANNING DIRECTOR DATE

Barbara D. Kij 5/21/93  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

Signature: *[Signature]* 5/21/93  
HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS

Signature: *[Signature]* 5-14-93  
DIRECTOR, PUBLIC WORKS DATE

Signature: *[Signature]* 5-14-93  
CHIEF, BUREAU OF ENGINEERING DATE

PROPERTY/SUBDIVISION: VILLAGE OF OWEN BROWN  
SECTION/AREA: 1/4  
PARCEL/LOT NO: C-1 AND D-4

PLAT NO./L.F. BLOCK NO. ZONE TAX ZONE ELEC. DIST. CENSUS TR.: 10703 21 N-APP 36 6 6067.06

WATER CODE: E-11 SEWER CODE: 5330900

LANDSCAPE PLAN  
OWEN BROWN PLACE II - ELDERLY HOUSING FACILITY

**COLUMBIA**  
VILLAGE OF OWEN BROWN  
SECTION 1, AREA 4

TAX MAP 36 F/O PARCEL 275 & 46  
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 30' DATE: DECEMBER 31, 1992

SHEET 5 OF 5  
SDP 33-65