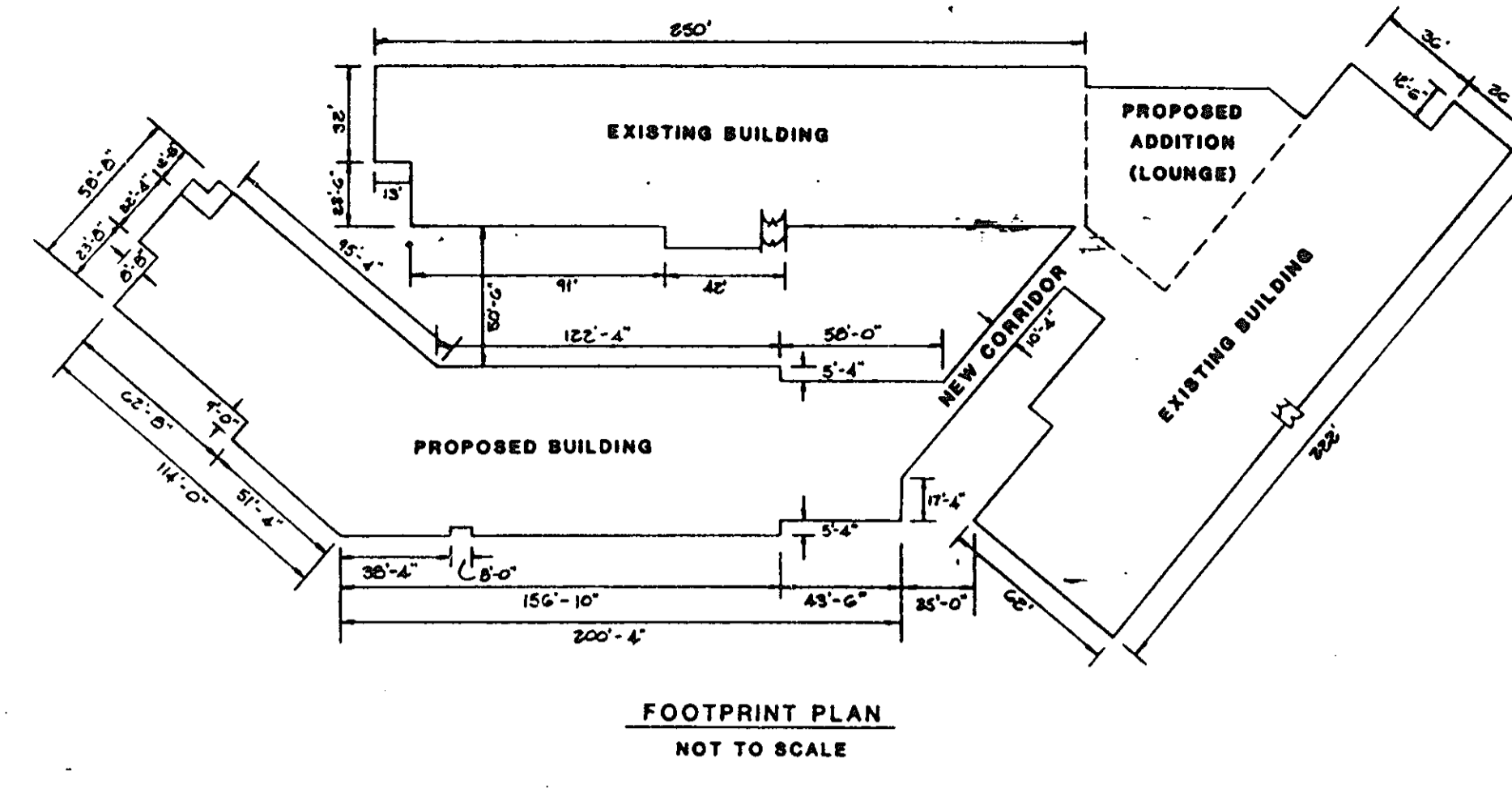


SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		FULL DEPTH BIT. CONC. ALTERNATE	GRAVEL BASE ALTERNATE
P-1	PARKING BAYS, APARTMENTS AND COMMERCIAL INDUSTRIAL ZONES WITH NO HEAVY TRUCKS TRAILERS, AND FOR APARTMENTS AND GENERAL INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	1" BIT. CONC. SURFACE	1" BIT. CONC. SURFACE
		4" BIT. CONC. BASE	4" BIT. CONC. BASE



NOTE: A special exception and setback variance to allow construction of a parking lot on Lot 8 to satisfy parking requirements for the proposed expansion of Lorien Nursing Home on Lot 7 (Board of Appeals Case 89-08) has been approved subject to the following conditions:

1. Conformity is required of existing development with previous special exception BA 983-C, condition 9, and site plan SDP 81-36, and as shown on sketch plan S-89-38.
2. Screening along the western property line is planted.
3. Pedestrian connections between wings of Harmony Hall need to be installed.
4. A site development plan is required with complete stormwater management as per Department of Public Works comments.
5. Petitioner agrees to accept reasonable financial responsibility for the upgrading of the traffic signal at the Cedar Lane/Freetown intersection, based on negotiations with the Department of Public Works.
6. Petitioner, in his capacity as owner of Lot 8, agrees to provide to the board, after it has been recorded, a certified copy of the Deed of Easement, granting to the owner of Lot 7, or his assigns, the right to use the designated parking area on Lot 8, for the duration of the use of the buildings as a nursing facility.

10. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS (BUREAU OF ENGINEERING) CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST (B) WORKING DAYS PRIOR TO THE START OF WORK.
11. THE CONTRACTOR SHALL NOTIFY "MISS UTILITIES" AT 1-800-297-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
12. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
13. THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD SURVEY WITH MAXIMUM 2 FOOT CONTOUR INTERVALS PREPARED BY SILL, ADcock & ASSOCIATES DATED JULY 2007.
14. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GROUND CONTROL, WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM-HOWARD COUNTY MONUMENT 40535F1 AND 35FA WERE USED FOR THIS PROJECT.
15. WATER IS PUBLIC, CONTRACT #44-304FD, AND THE SEWER IS PRIVATE.
16. EXISTING UTILITIES ARE BASED ON CONTRACT #44-304B-D, 24-0457-D, 44-0464-D & SDP-81-36.
17. THERE IS NO FLOOD PLAIN ON THIS SITE.
18. THERE ARE NO WETLANDS ON THIS SITE.
19. STORMWATER MANAGEMENT IS PROVIDED BY A STORMWATER MANAGEMENT POND SITUATED AT THE NORTH-EAST CORNER OF THE PROPERTY DESIGNED FOR AN ULTIMATE CONTRIBUTING DRAINAGE AREA OF 4.85 ACRES. THE POND IS PRIVATELY OWNED & MAINTAINED. STORMWATER MANAGEMENT FOR PROPOSED BUILDING ADDITION & PARKING LOTS IS BEING PROVIDED IN ACCORDANCE WITH THE REDEVELOPMENT POLICY IN THE 2006 MARYLAND STORMWATER DESIGN MANUAL, A HOWARD COUNTY DESIGN MANUAL VOLUME 1.
20. THE OWNER (DEVELOPER) SHALL MAKE APPLICATION TO THE DEPARTMENT OF INSPECTIONS, LICENCES AND PERMITS FOR A BUILDING PERMIT FOR THE PROPOSED THERAPY CENTER BUILDING WITHIN ONE YEAR (1) FROM THE DATE OF APPROVAL OF THIS RES-LINE REVISION BY DSD.
21. AA-08-020 EXPIRES 10/08/2010.
22. IN ACCORDANCE WITH SECTION 128.110 OF THE H.C. ZONING REGULATIONS (SETBACKS FROM LOT LINES INTERNAL TO A DEVELOPMENT), WHEN 2 OR MORE CONTIGUOUS LOTS OR PARCELS ARE TREATED AS A SINGLE PARCEL FOR DEVELOPMENT PURPOSES, THE STRUCTURE AND USE SETBACKS FROM LOT LINES INTERNAL TO THE DEVELOPMENT SHALL NOT APPLY PROVIDED THE LOTS ARE DEVELOPED & MAINTAINED AS AN INTEGRATED DEVELOPMENT. PERIMETER SETBACKS TO ADJOINING PARCELS SHALL BE MAINTAINED.

21. FOREST CONSERVATION NOTE: THIS SDP COMPLIES WITH THE FOREST CONSERVATION REQUIREMENTS OF SECTION 16-1206 OF THE HOWARD COUNTY CODE, WITH A 0.05 ACRES, 16.2 FORESTATION OBLIGATION FOR NET TRACT AREA BEYOND WHAT WAS PREVIOUSLY DISTURBED UNDER THE INITIAL LIMIT OF DISTURBANCE (LOD). A FEE-IN-LIEU IN THE AMOUNT OF \$1,634.00 WILL BE POSTED WITH THE COUNTY.

22. ADMINISTRATIVE ADJUSTMENT CASE NO.08-20 WAS GRANTED ON 8TH DAY OF OCTOBER, 2008 FROM SECTION 115.0.3.A OF THE HOWARD COUNTY ZONING REGULATIONS TO REDUCE THE 75 FOOT SETBACK FROM RESIDENTIAL DISTRICTS TO 60 FEET TO CONSTRUCT AN ADDITIONAL EXISTING NURSING HOME, SUBJECT TO THE FOLLOWING CONDITIONS:

- (1) THE PETITIONER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE & COUNTY LAWS & REGULATIONS.
- (2) A BUILDING PERMIT FOR THE PROPOSED DEVELOPMENT SHALL BE OBTAINED WITHIN TWO YEARS FROM THE DATE OF THIS ORDER. A SUBSTANTIAL CONSTRUCTION SHALL BE COMPLETED WITHIN THREE YEARS.
- (3) THE GRANTED ADMINISTRATIVE ADJUSTMENT SHALL APPLY SOLELY TO THE THERAPY CENTER BUILDING AS DEPICTED ON THE ADMINISTRATIVE ADJUSTMENT PLAN SUBMITTED BY THE PETITIONER & NOT TO ANY OTHER STRUCTURE, ADDITION BUILDING OR USE. THE PETITIONER SHALL SUBMIT A COPY OF THIS DECISION ORDER WITH THE BUILDING PERMIT APPLICATION.
- (4) THIS DECISION AND ORDER SHALL BE MAINTAINED IN THE OWNER'S PROPERTY RECORDS AND SHALL BE TRANSFERRED TO ANY SUCCESSOR OWNER OF THE PARCELS.

FOREST CONSERVATION WORKSHEET
Location: Nursing Home, Columbia, Howard County, MD

NET TRACT AREA:	549.42
A. Total tract area...	4.28
B. Land dedication, acres (Paris, County facility, etc.)...	8.00
C. Land dedication for roads or utilities (not being constructed by this plan)...	0.00
D. Area to remain in commercial agricultural production (use...)...	0.00
E. Other deductions (specify) (LOD under SDP-90-109)...	3.92
F. Net tract area	0.36

LAND USE CATEGORY (from Dress Technical Manual)
Input the number "1" under the appropriate land use, limit to only one entry.

AREA	MDR	IDA	HDR	MPD	CA
0	0	0	0	0	1

6. Afforestation Threshold... 15% XF = 0.05
H. Conservation Threshold... 15% XF = 0.05

EXISTING FOREST COVER:

1. Existing forest cover... = 0.00
J. Area of forest above afforestation threshold = 0.00
K. Area of forest above conservation threshold = 0.00

BREAKDOWN POINT:

L. Forest retention above threshold with no mitigation... = 0.00
M. Clearing permitted without mitigation... = 0.00

PROPOSED FOREST CLEARING:

N. Total area of forest to be cleared = 0.00
O. Total area of forest to be retained = 0.00

PLANTING REQUIREMENTS:

P. Reforestation for clearing above conservation threshold... = 0.00
Q. Reforestation for clearing below conservation threshold... = 0.00
R. Credit for retention above conservation threshold... = 0.00
S. Total reforestation required... = 0.00
T. Total afforestation required... = 0.05
U. Credit for Landscaping (May not exceed 20% of "S")... = 0.00
V. Total reforestation and afforestation required... = 0.05

- GENERAL NOTES**
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
 2. ANY DAMAGE TO PUBLIC RIGHT-OF-WAY, PAVING OR EXISTING UTILITIES WILL BE CORRECTED AT THE EXPENSE OF CONTRACTOR.
 3. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
 4. THE LAND INCLUDED IN THIS PLAN IS ZONED:
LOT 7 - POR (PLANNED OFFICE & RESEARCH)
LOT 8 - POR (PLANNED OFFICE & RESEARCH)
 5. THE AREA SHOWN IN THIS SUBMISSION IS LOCATED ON ZONE MAP No. 1 35
 6. TYPE OF SOIL: CHESTER SILT LOAM; GLENELG LOAM; MANOR LOAM
 7. "THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 792-7272"
 8. A TRAFFIC AND PARKING ANALYSIS FOR THIS PROJECT WAS PERFORMED BY THE TRAFFIC GROUP, DATED FEBRUARY 5, 2008 WHICH CONCLUDES THAT THE PROPOSED REVISION SATISFIES HOWARD COUNTY ADEQUATE ROAD FACILITIES TEST EVALUATION REQUIREMENTS
 9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

John J. Ziehl 7/10/90
DISTRICT ENGINEER

APPROVED FOR CONSTRUCTION AND SETBACK CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Robert W. Ziehl 7/10/90
DISTRICT ENGINEER

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.

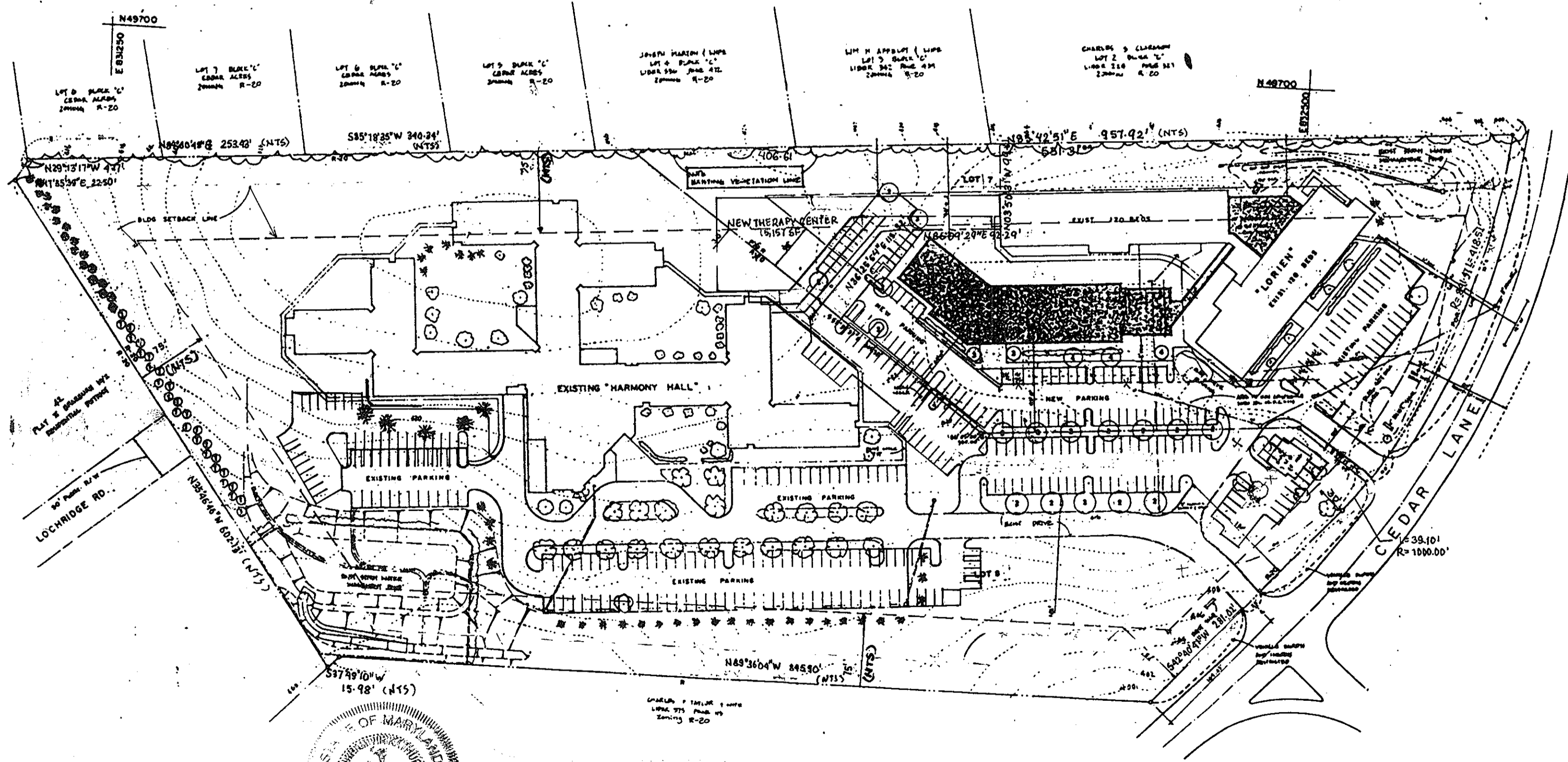
Joseph J. Ziehl 8/14/91
DISTRICT ENGINEER

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING.

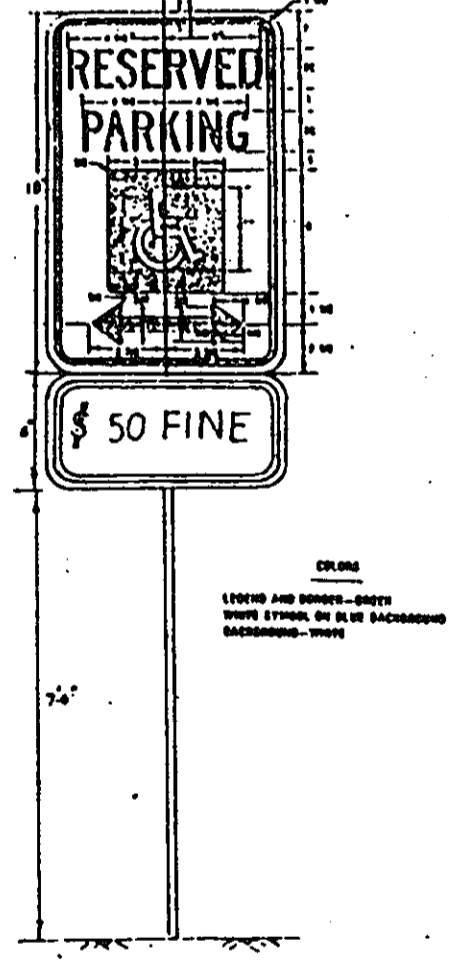
William J. Ziehl 8/16/90
DISTRICT ENGINEER

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.

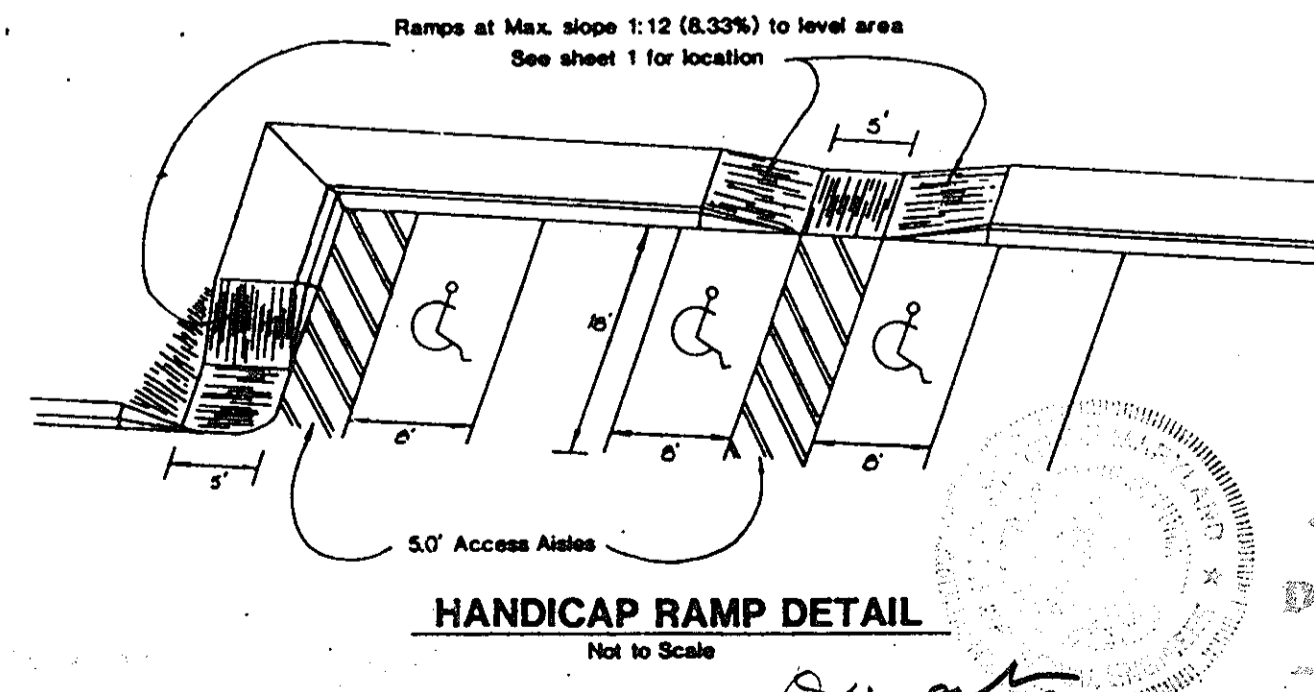
William J. Ziehl 8/16/90
DISTRICT ENGINEER



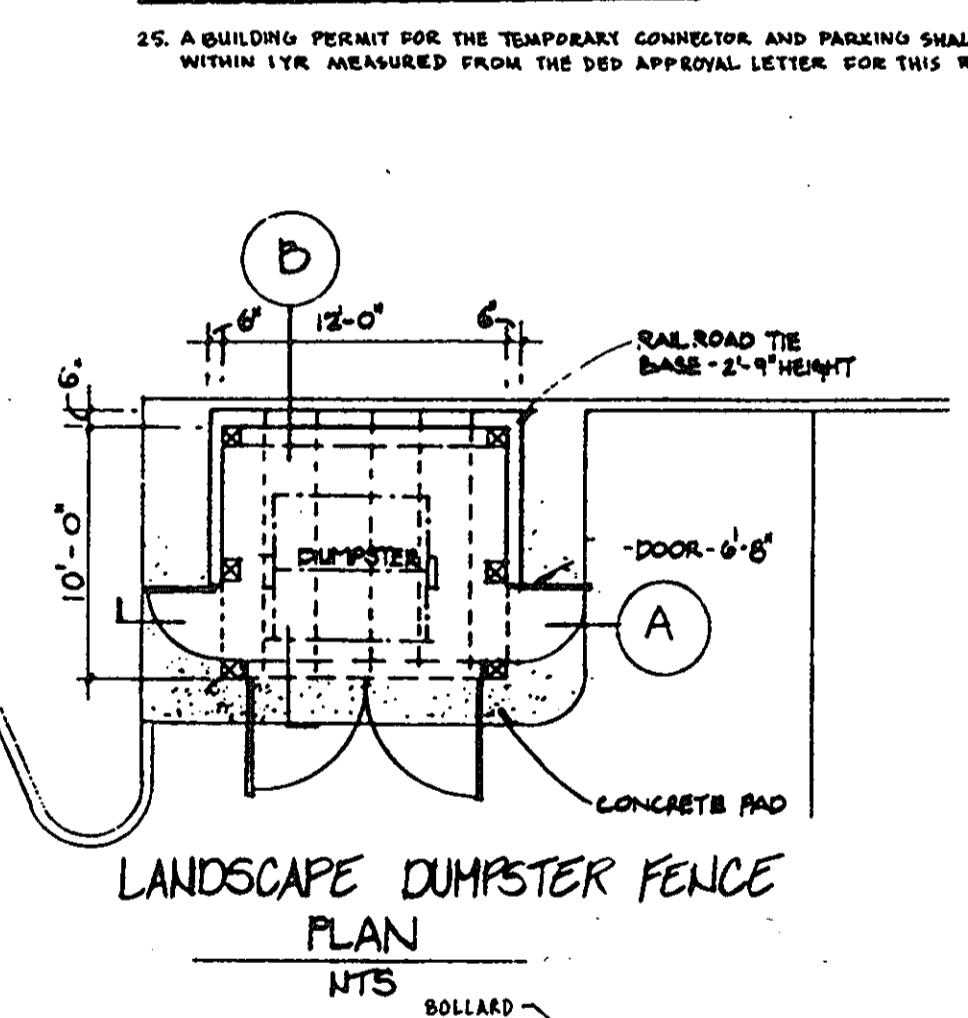
Composite Plan Lot 7 & Lot 8
Scale: 1" = 100'



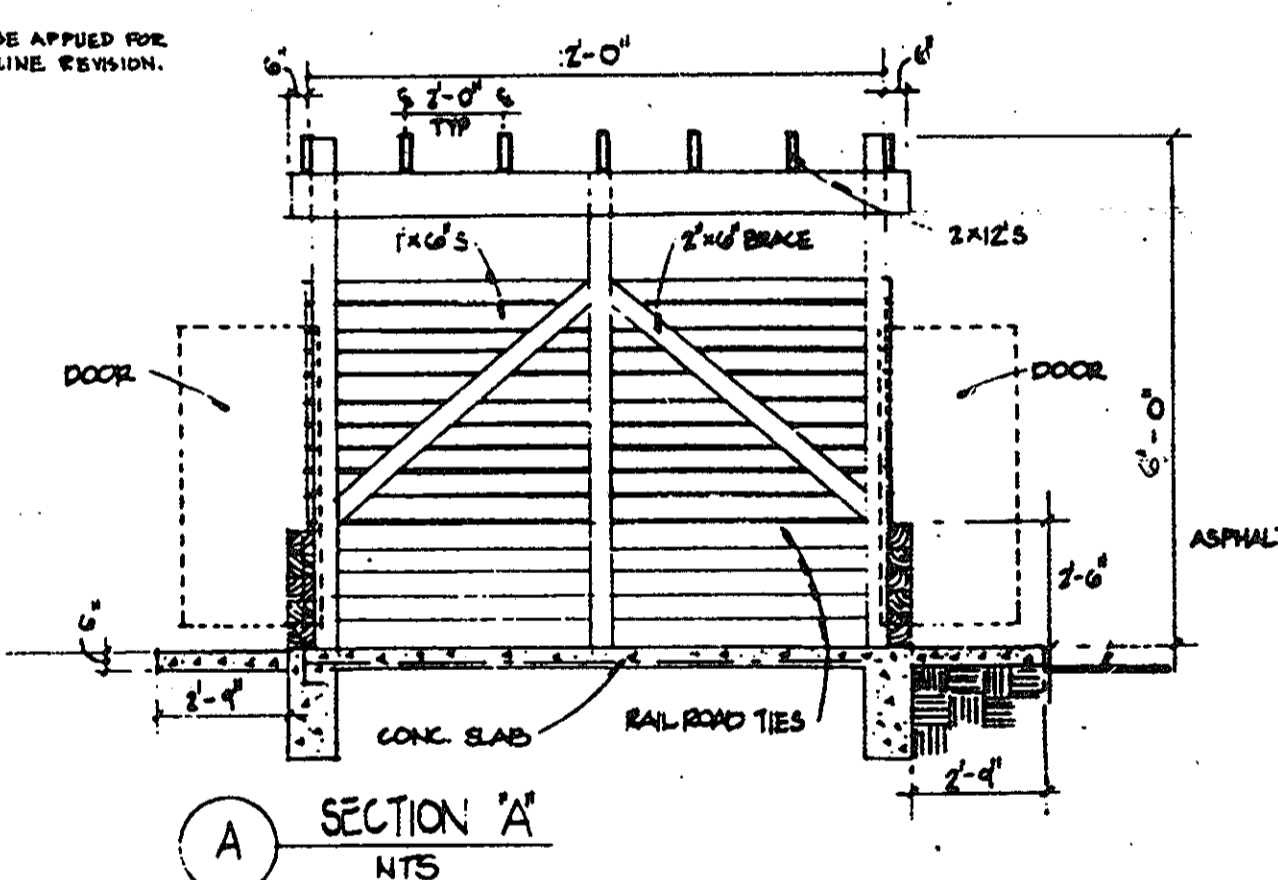
HANDICAPPED PARKING SIGN DETAIL
(NO SCALE)



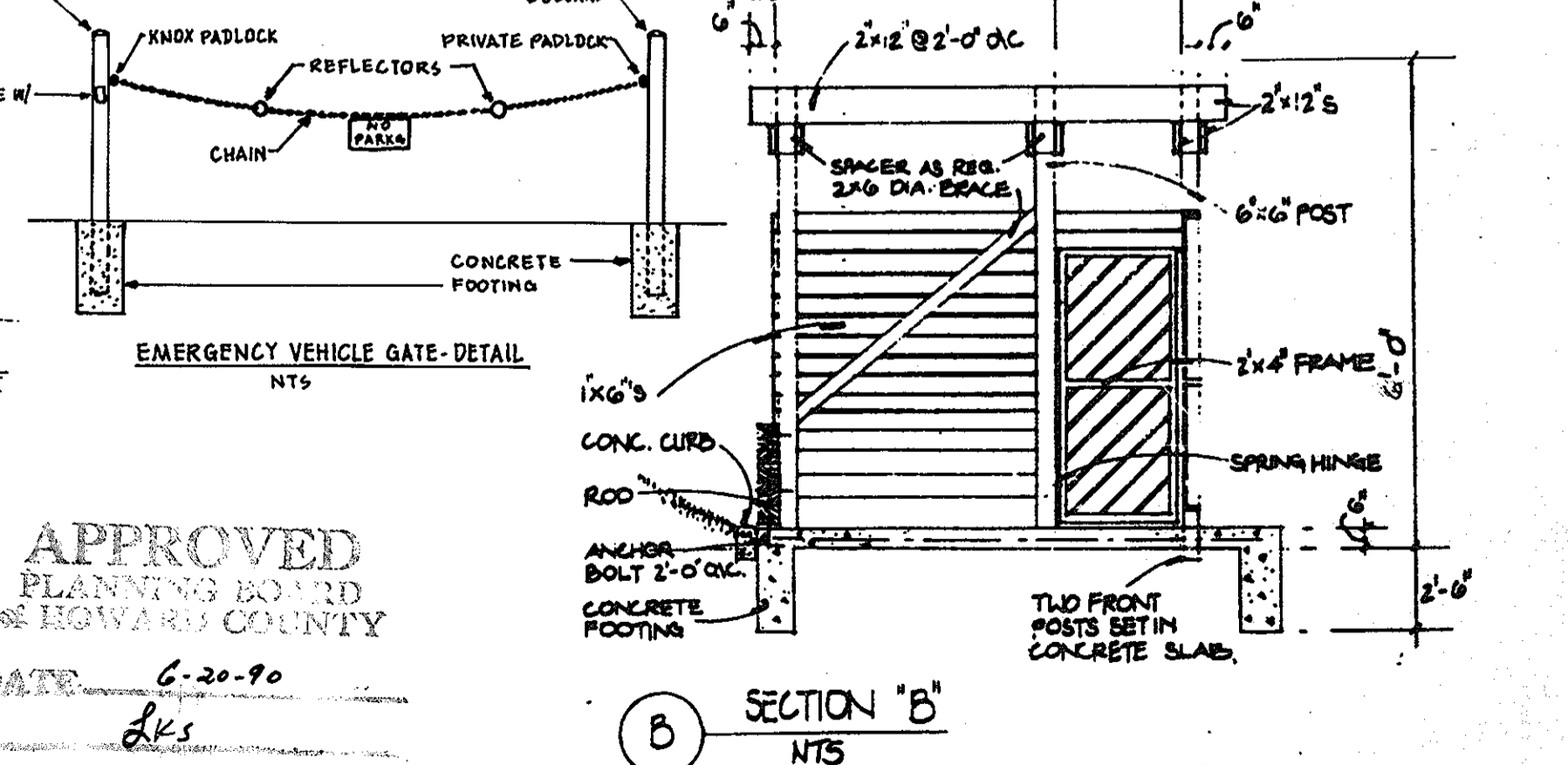
HANDICAP RAMP DETAIL
Not to Scale



LANDSCAPE DUMPSTER FENCE PLAN
NTS



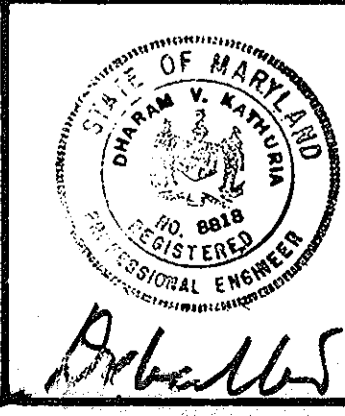
SECTION 'A'
NTS



SECTION 'B'
NTS

REVISIONS				
DESIGNED	DATE	DATE	BY	DESCRIPTION
DRAWN				
CHECKED				
APPROVED	4/28/10	4/28/10	KCE	ADDED NOTES 6, 23, 24, 35. ADD TEMP. CONNECTOR.
			KCE	COMPOSITE PLAN CHANGED, GENERAL NOTES ADDED

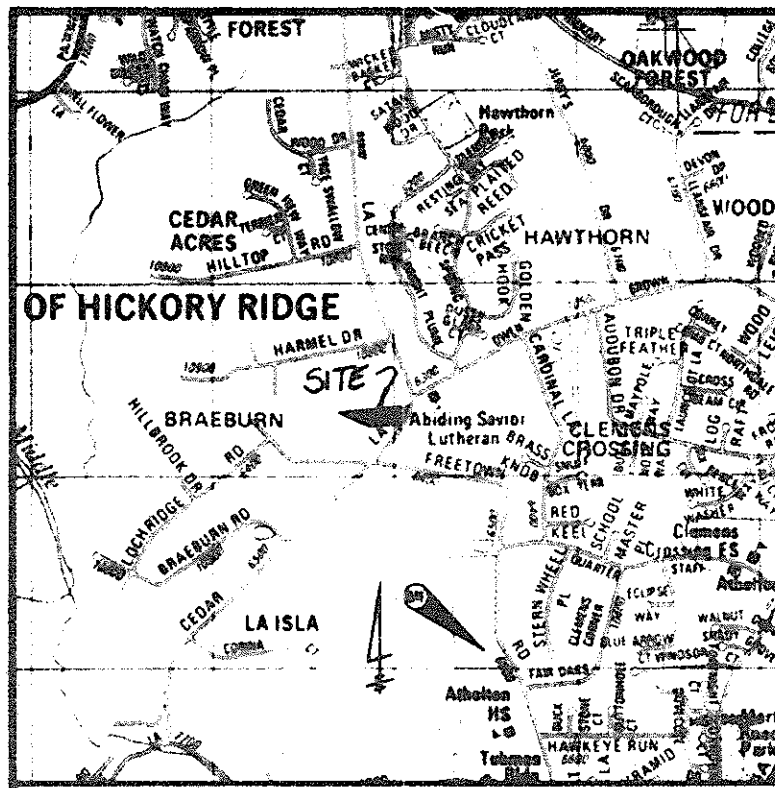
ENGINEERING TECHNOLOGIES ASSOCIATES, INC.
ENGINEERS, PLANNERS, SURVEYORS
3458 ELLICOTT CENTER DRIVE SUITE 101
ELLICOTT CITY, MD. 21043
(301) 461-9920



OWNER / DEVELOPER
NICKOLAS B. MANGIONE
1205 YORK ROAD
LUTHERVILLE, MARYLAND 21093

Site Details & Forest Conservation Plan
BUILDING AND PARKING LOT ADDITION
LORIEN NURSING HOME EXPANSION
HEPENDING PROPERTY SUBDIVISION
PARCEL 365 LOT 9 & 10
TAX MAP 35, LIBER 741 FOLIO 52
WATER CODE: 225 SEWER CODE: 8829200
5th ELECTION DISTRICT CENSUS TRACT No. 0603.01 HOWARD COUNTY, MD

SCALE: CONTRACT NO. DATE: 5/30 SHEET: 2 of 10



NOTE: THIS PLAN USED FOR STORM WATER MANAGEMENT DRAINAGE AREA MAP ONLY. FOR CONSTRUCTION PLANS SEE SHEET 1 OF 3.

PROPERTY LINE DATA

LINE	BEARING	DISTANCE
L1	N36°25'54"E	113.32'
L2	N86°09'29"E	92.29'
L3	N03°50'31"W	99.61'

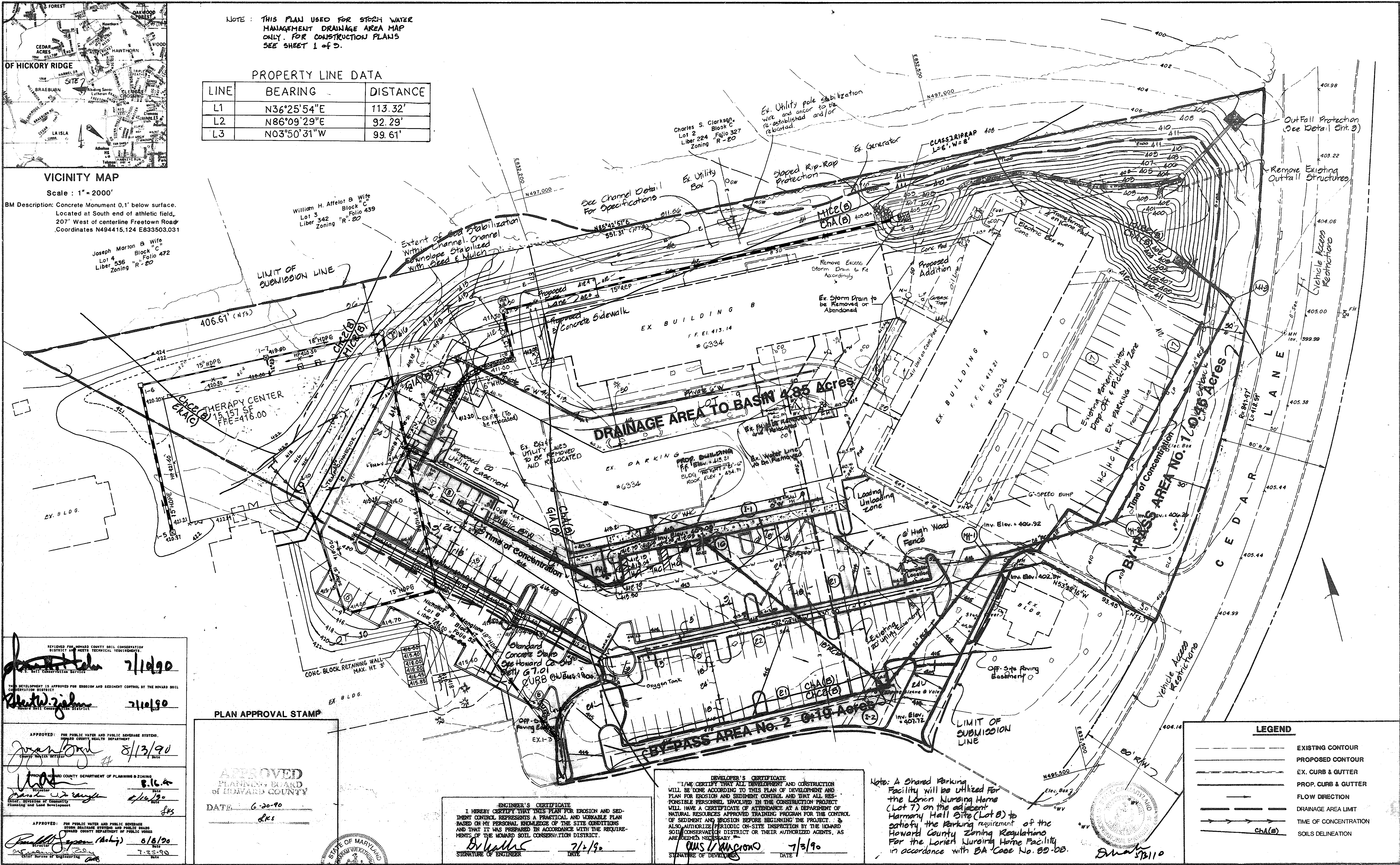
VICINITY MAP

Scale: 1" = 2000'

BM Description: Concrete Monument 0.1' below surface. Located at South end of athletic field, 207' West of centerline Freetown Road. Coordinates N494415.124 E833503.031

Joseph Marton & Wife
Block "C"
Lot 4 Folio 472
Liber 536 "R-20"

William H. Affel & Wife
Block "C"
Lot 3 Folio 439
Liber 342 "R-20"



REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS
 7/10/90
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 8/13/90
 APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 8.16.90
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 8/16/90
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 8/16/90

PLAN APPROVAL STAMP
 APPROVED PLANNING BOARD OF HOWARD COUNTY
 DATE: 6-30-90

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 OF ENGINEER: [Signature] DATE: 7/12/90

DEVELOPER'S CERTIFICATE
 I HEREBY 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 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 OF DEVELOPER: [Signature] DATE: 7/13/90

Note: A Shared Parking Facility will be utilized for the Lorien Nursing Home (Lot 7) on the adjacent Harmony Hall Site (Lot 8) to satisfy the parking requirement of the Howard County Zoning Regulations for the Lorien Nursing Home Facility in accordance with BA Code No. 82-08.

LEGEND

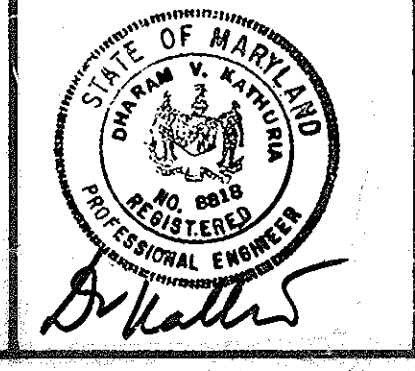
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EX. CURB & GUTTER
	PROP. CURB & GUTTER
	FLOW DIRECTION
	DRAINAGE AREA LIMIT
	TIME OF CONCENTRATION
	SOILS DELINEATION

REVISIONS

DESIGNED	DATE	DATE	BY	DESCRIPTION
MAL	6/89	4-1-91	SGP	Prop. SS, Manhole is eliminated
SGP	7/89	4-18-09	KCE	ADDED THERAPY CENTER, REVISED PROPERTY LINE
SGP	7/89	4/26/10	KCE	Add Temp Connector, Oxygen Tank, Retain. FH



ENGINEERING TECHNOLOGIES ASSOCIATES, INC.
 ENGINEERS, PLANNERS, SURVEYORS
 3458 ELLICOTT CENTER DRIVE SUITE 101
 ELLICOTT CITY, MD. 21043
 (301) 461-9920



OWNER / DEVELOPER
 NICKOLAS B. MANGIONE
 1205 YORK ROAD
 LUTHERVILLE, MARYLAND 21093

Storm Water Management Drainage Area Map
 BUILDING AND PARKING LOT ADDITION
 LORIEN NURSING HOME EXPANSION
 HEPPING PROPERTY SUBDIVISION
 PARCEL 365 LOT 9 & 10
 TAX MAP 35, LIBER 741 FOLIO 52
 WATER CODE: E28 SEWER CODE: 6222000
 5th ELECTION DISTRICT CENSUS TRACT No. 6053.01 HOWARD COUNTY, MD
 SCALE: 1" = 30' CONTRACT NO. DATE: 5/90 SHEET: 3 of 10

1. **GENERAL**
 The area designated for detention areas, embankments, and structures shall be cleared, grubbed and stripped of top soil, all trees, vegetation, rocks and other objectionable material shall be removed. The area shall be leveled to the proposed grade.

2. **SOIL COVER**
 Areas to be covered by the pond or reservoir shall be cleared of all trees, brush, logs, stumps, rocks and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface.

3. **EMBANKMENT**
 All cleared and grubbed material shall be disposed of out-aside and below the fence of the dam and shall be directed by the owner or his representative when specified. A sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

4. **EMBANKMENT FILL**
GENERAL
 The fill material shall be taken from an approved designated borrow area or area. It shall be free of roots, stumps, logs, rocks, stones, frozen or other objectionable material. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill height shall be the length of the embankment shall be increased above the design elevation including necessary increase above the design elevation.

CONSTRUCTION
 The fill material to be placed shall be compacted in layers of not more than 12 inches. The compacted layers shall be to a minimum of 95% of ASTM Specification D-1557. The most porous borrow material shall be placed on the downstream portion of the embankment.

COMPACTION
 The method of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be compacted to 95% of ASTM Specification D-1557. Fill material shall contain sufficient moisture such that the required degree of compaction can be obtained with the equipment used.

Where a minimum required density is specified, each layer of fill shall be compacted as necessary to obtain that density and it is to be certified by the engineer.

Cutoff trench
 Where specified, a cutoff trench shall be excavated along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be as shown on the drawings, with the minimum width being four feet. The depth shall be at least four feet or as shown on the plans. The slope of the trench shall be 1:1 or flatter. The backfill material for the cutoff trench shall be of Ungraded Soil Classification B or C, and shall be compacted with equipment or rollers to assure a density of 95% of ungraded soil classification B or C and minimum permeability.

5. **STRUCTURAL BACKFILL**
 Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other compacting equipment. The material needs to fill completely all spaces under and adjacent to the pipe. As no time during the backfilling operation shall be allowed to separate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe unless there is a compacted fill of 24" or greater over the structure or pipe.

Placement of structural backfill will be included as part of pipe or structure cost.

6. **PIPE CONDUITS**
 All pipes shall be circular in cross-section.

7. **COUPLING METAL RINGS**
 Coupling metal rings shall be galvanized and fully bituminous coated and shall conform to the requirements of ASTM Specification D-2000 Type A with watertight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound.

Steel pipes with polymeric coatings shall have a minimum coating thickness of 0.01 inch. The coating shall be applied to the pipe. The following coatings are commercially available: Nepon, Plast-Coat, Blacked, and Heli-Coat. Coated corrugated steel pipe shall meet the requirements of ASTM A-245 and A-246.

8. **CONNECTIONS**
 All connections with pipes shall be completed in accordance with the design shown on the drawings. The pipe and four feet of backfill shall be compacted under and adjacent to the connection. Connections shall be made in accordance with the design shown on the drawings. Connections shall be made in accordance with the design shown on the drawings.

9. **PIPE JOINTS**
 The pipe shall be laid on a concrete bedding for their entire length. This bedding shall consist of a minimum of 4" of concrete placed under the pipe and up the sides of the pipe at least 100' of the length of the pipe. The bedding shall be placed in accordance with the design shown on the drawings.

10. **PIPE JOINTS**
 The pipe shall be laid on a concrete bedding for their entire length. This bedding shall consist of a minimum of 4" of concrete placed under the pipe and up the sides of the pipe at least 100' of the length of the pipe. The bedding shall be placed in accordance with the design shown on the drawings.

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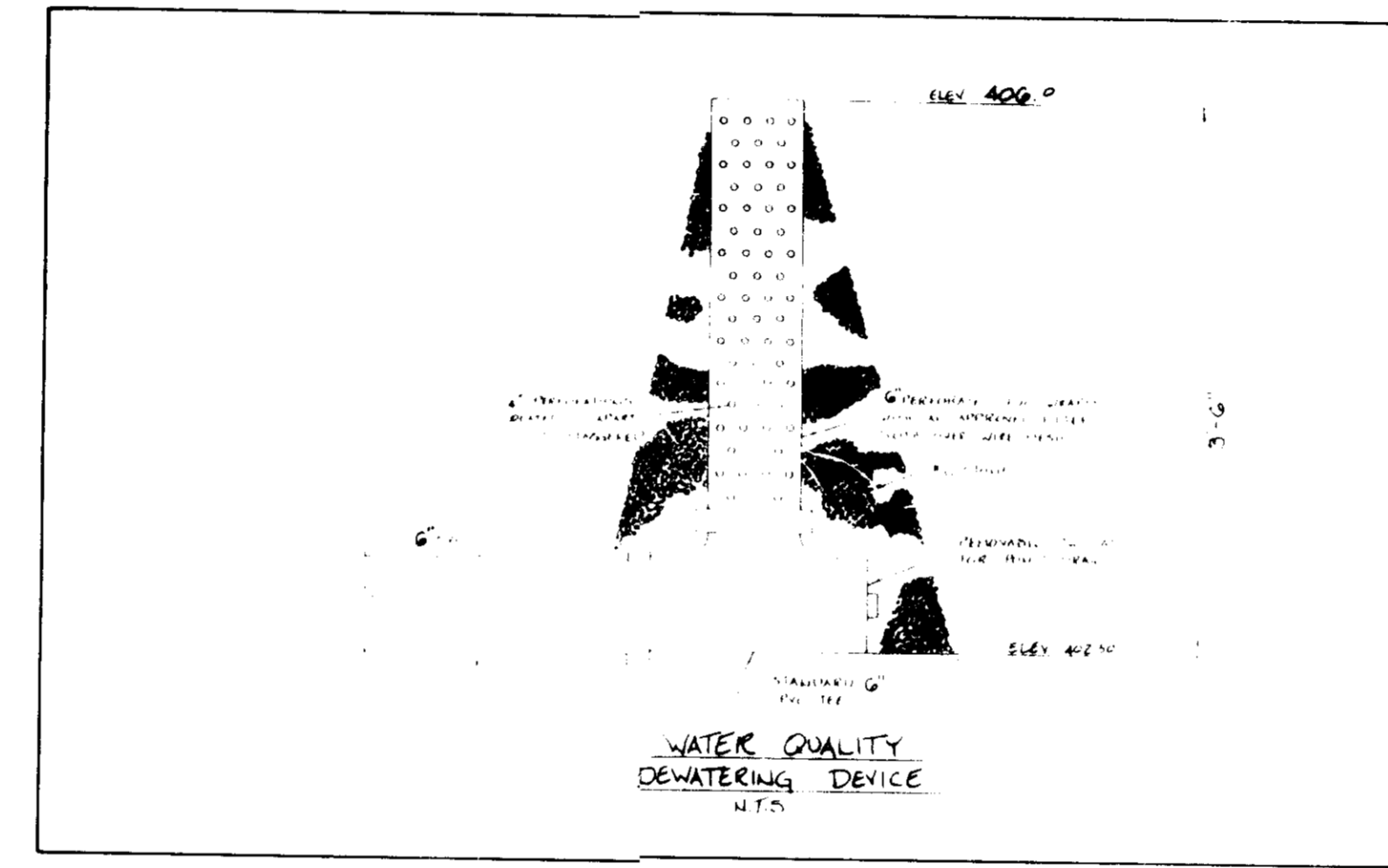
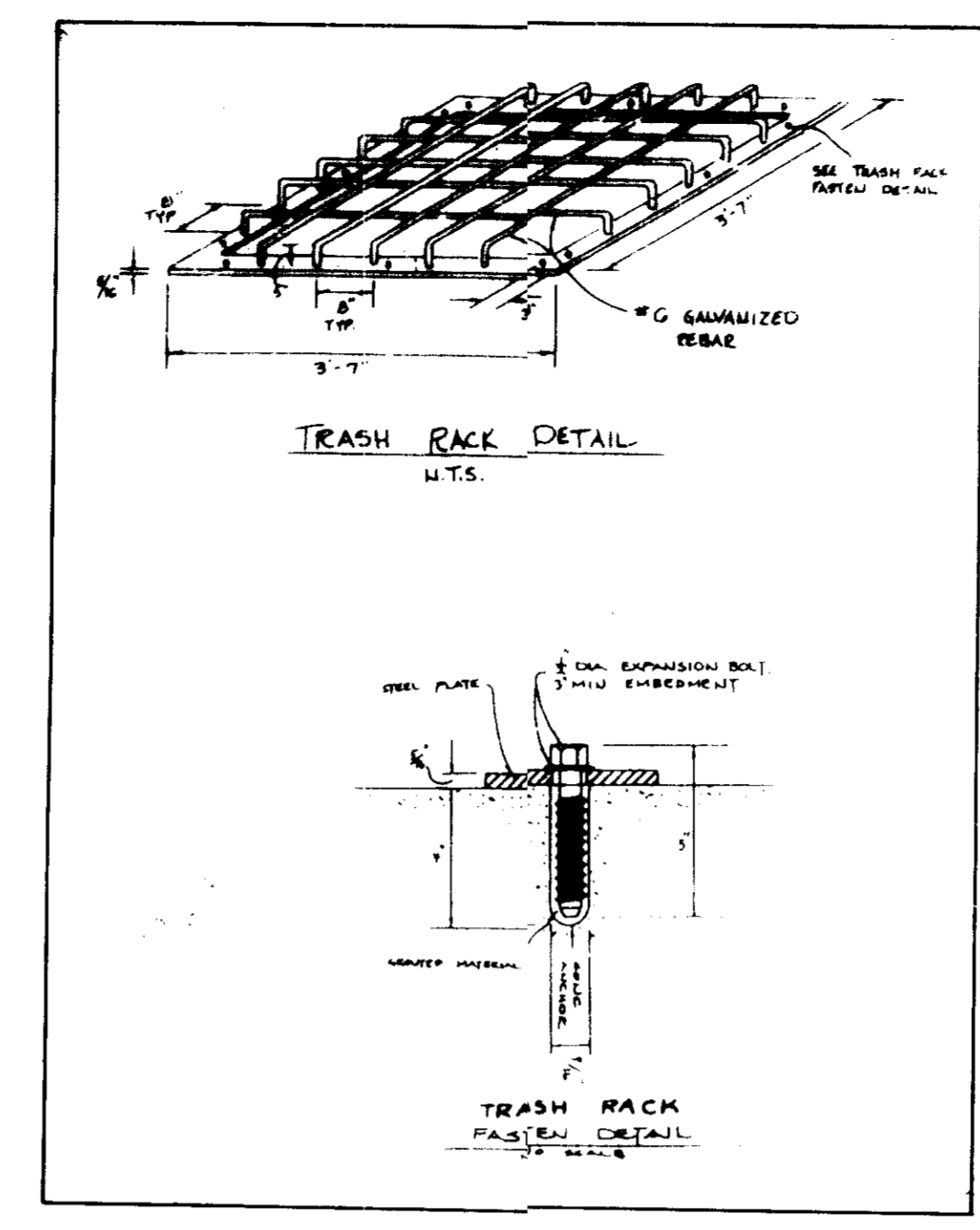
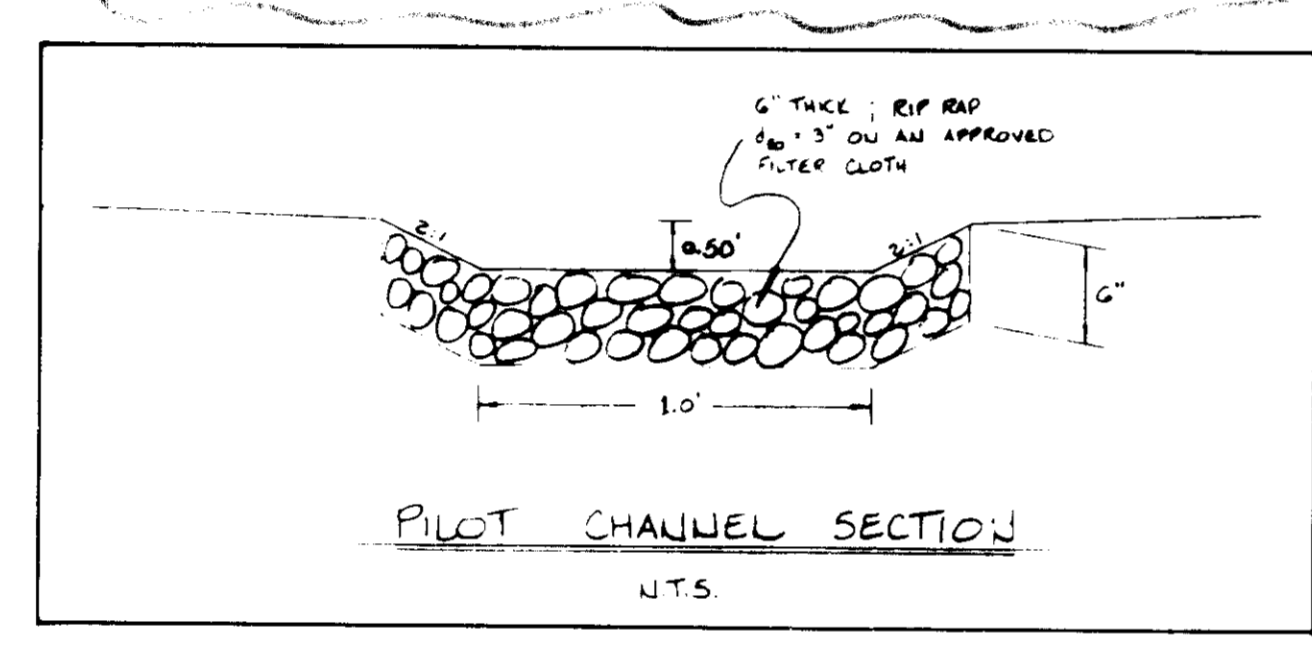
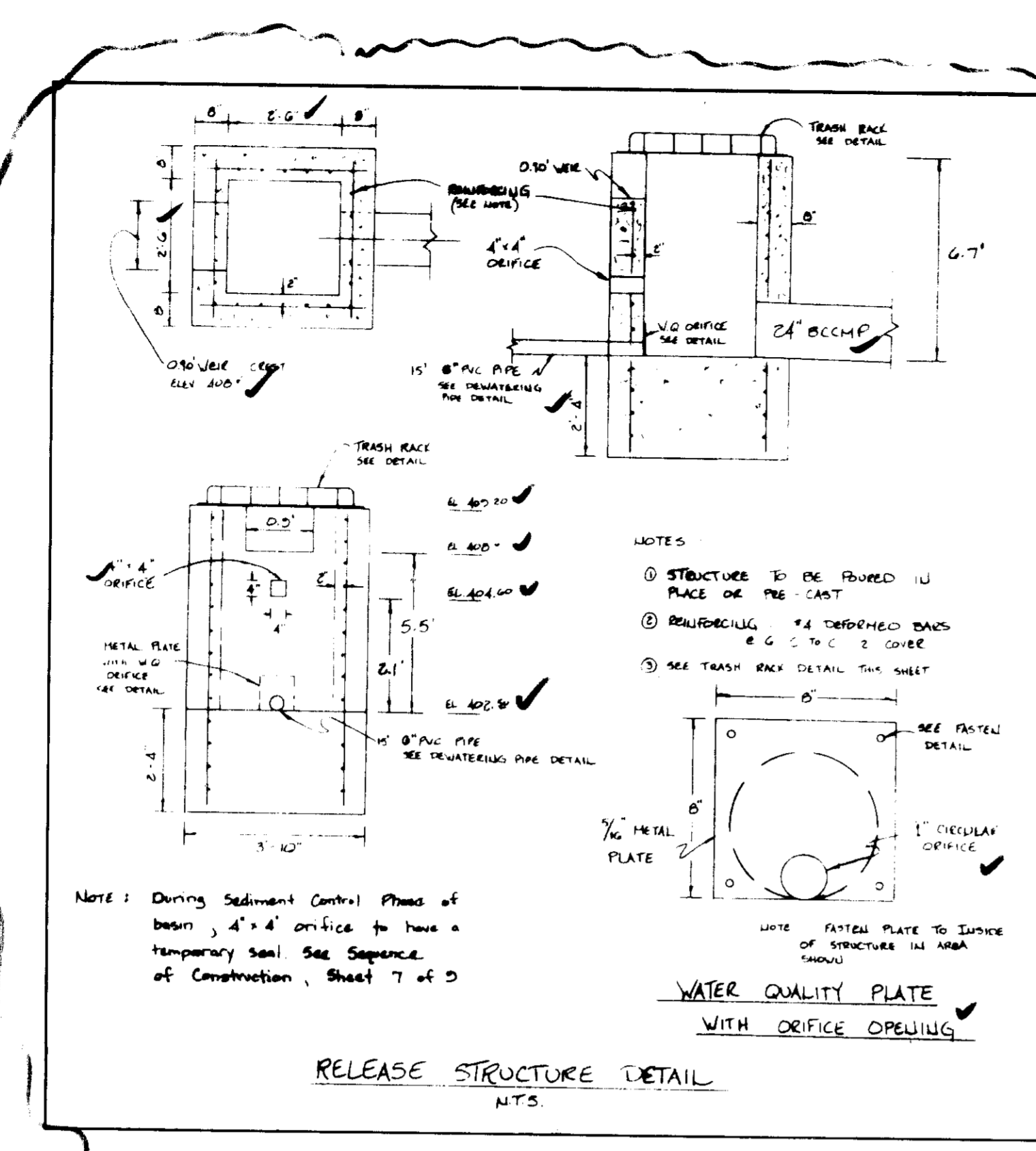
16. **PIPE JOINTS**
 The pipe shall be laid on a concrete bedding for their entire length. This bedding shall consist of a minimum of 4" of concrete placed under the pipe and up the sides of the pipe at least 100' of the length of the pipe. The bedding shall be placed in accordance with the design shown on the drawings.

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20. **PIPE JOINTS**
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PERMANENT SEEDING NOTES

SEEDING SCHEDULE - See one of the following schedules

1. Preferred: Apply 2 tons per acre immediately after construction (120 lbs. 1000 seeds/ft. and 600 lbs. per acre of 10 fertilizer (14 lbs./1000 sq. ft.) before seeding. Apply 2 tons per acre immediately after seeding. At time of seeding, apply 400 lbs. per acre of 0-10-10 fertilizer (10 lbs./1000 sq. ft.)

2. Alternative: Apply 2 tons per acre immediately after construction (120 lbs. 1000 seeds/ft. and 1000 lbs. per acre of 10-10-10 fertilizer (20 lbs./1000 sq. ft.) before seeding. Harvest or disc into upper three inches of soil.

SEEDING - For the periods March 1 thru April 30, and August 1 thru October 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period May 1 thru July 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period August 1 thru October 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period November 1 thru February 28, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period March 1 thru April 30, and August 1 thru October 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period May 1 thru July 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period August 1 thru October 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period November 1 thru February 28, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue.

MULCHING - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gallon per acre (5 gal./1000 sq. ft.) of mulch anchor applied on flat areas. On slopes, 8 lbs. to higher use 34 gal. per acre (18 gal./1000 sq. ft.) for anchoring.

MATERIALS - Inspect all seeded areas and make needed repairs, adjustments and reseed.

PERMANENT SEEDING NOTES

SEEDING SCHEDULE - See one of the following schedules

1. Preferred: Apply 2 tons per acre immediately after construction (120 lbs. 1000 seeds/ft. and 600 lbs. per acre of 10 fertilizer (14 lbs./1000 sq. ft.) before seeding. Apply 2 tons per acre immediately after seeding. At time of seeding, apply 400 lbs. per acre of 0-10-10 fertilizer (10 lbs./1000 sq. ft.)

2. Alternative: Apply 2 tons per acre immediately after construction (120 lbs. 1000 seeds/ft. and 1000 lbs. per acre of 10-10-10 fertilizer (20 lbs./1000 sq. ft.) before seeding. Harvest or disc into upper three inches of soil.

SEEDING - For the periods March 1 thru April 30, and August 1 thru October 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period May 1 thru July 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period August 1 thru October 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period November 1 thru February 28, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period March 1 thru April 30, and August 1 thru October 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period May 1 thru July 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period August 1 thru October 31, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue. For the period November 1 thru February 28, seed with 80 lbs. per acre (14 lbs./1000 sq. ft.) of Kentucky 31, 31, 31 fescue.

MULCHING - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gallon per acre (5 gal./1000 sq. ft.) of mulch anchor applied on flat areas. On slopes, 8 lbs. to higher use 34 gal. per acre (18 gal./1000 sq. ft.) for anchoring.

MATERIALS - Inspect all seeded areas and make needed repairs, adjustments and reseed.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS
Johnathan Ziehn 7/10/90
 DISTRICT SOIL CONSERVATION DISTRICT

DESIGN DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Johnathan Ziehn 7/10/90
 DISTRICT SOIL CONSERVATION DISTRICT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC UTILITIES
Johnathan Ziehn 8-13-90
 DISTRICT SOIL CONSERVATION DISTRICT

APPROVED FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Johnathan Ziehn 8/16/90
 DISTRICT SOIL CONSERVATION DISTRICT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC UTILITIES
Johnathan Ziehn 8/10/90
 DISTRICT SOIL CONSERVATION DISTRICT

DESIGNER'S CERTIFICATE OF POND CONSTRUCTION

By the Developer:
 These plans that will development and/or construction will be done according to these plans, and that any 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 will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I will authorize a third party on-site inspections by the Howard Soil Conservation District.

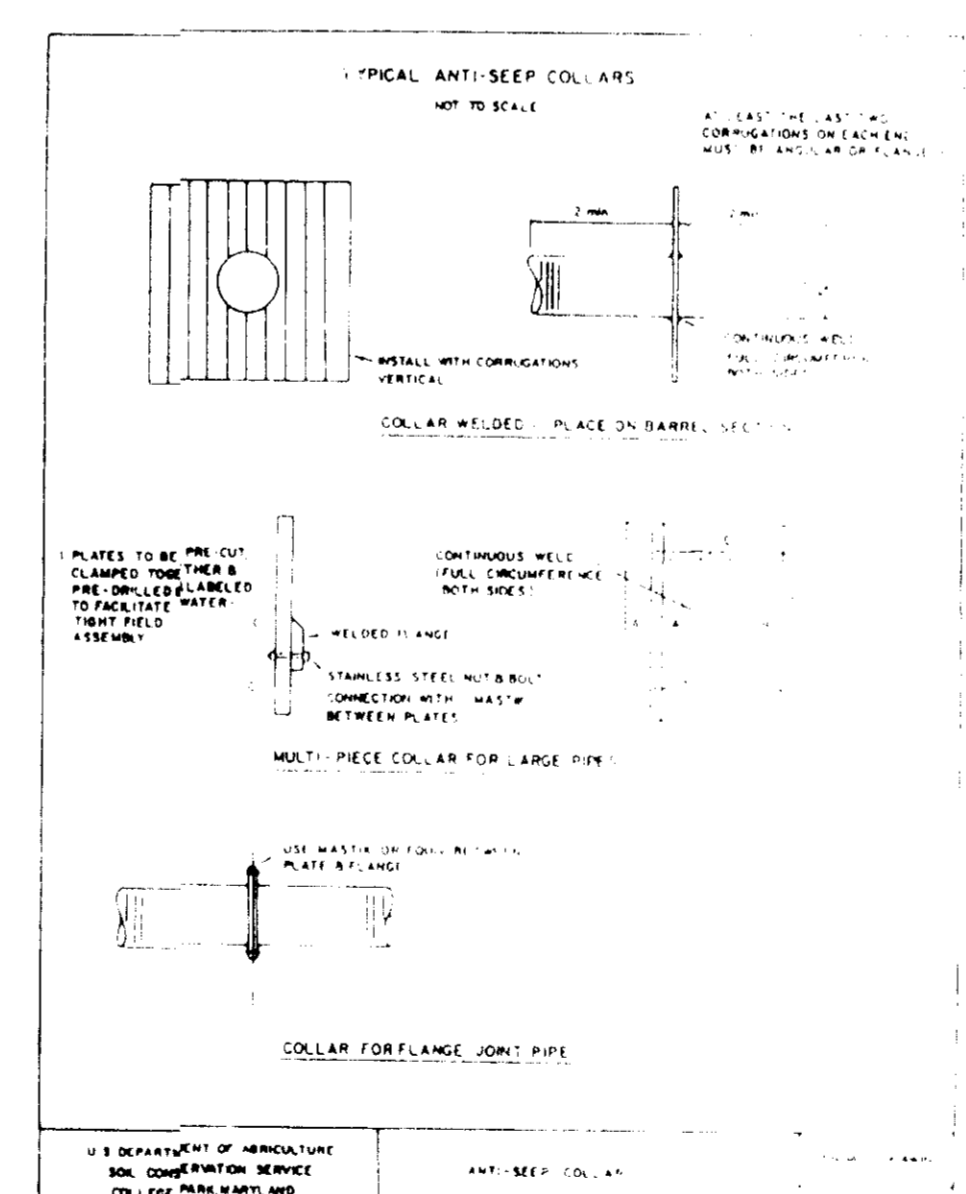
Johnathan Ziehn 7/3/90
 Print name below signature

By the Engineer:
 I have reviewed these plans for pond construction, erosion and sediment control, and the practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Johnathan Ziehn 7/2/90
 Signature of Engineer
 Print name below signature

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Johnathan Ziehn 7/10/90
 Signature of Engineer
 Print name below signature



PLAN APPROVAL STAMP

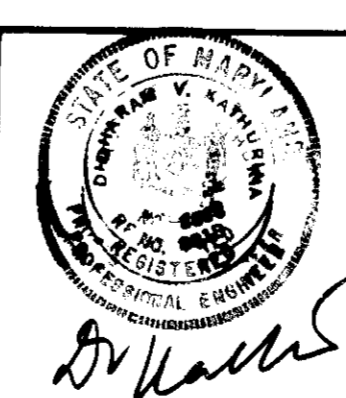
APPROVED

6-20-90

LKS

DESIGNED	DATE	DATE	BY	DESCRIPTION
DRAWN				
CHECKED				
APPROVED				

ENGINEERING TECHNOLOGIES ASSOCIATES, INC.
 ENGINEERS, PLANNERS, SURVEYORS
 3456 ELLICOTT CENTER DRIVE, SUITE 101
 ELLICOTT CITY, MD. 21043
 (301) 461-9920

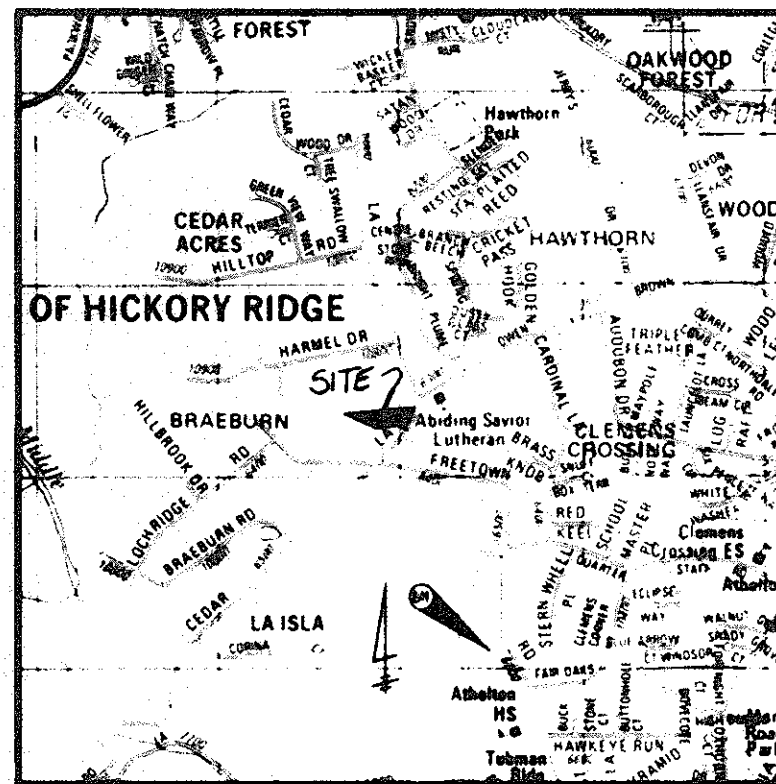


OWNER / DEVELOPER
NICKOLAS B MANGIONE
 205 YORK ROAD
 LUTHERVILLE, MARYLAND 21093

SWM AS BUILT

Storm Water Management Details
 BUILDING AND PARKING LOT AREA
LOREN NURSING HOME EXPANSION
 HENNING PROPERTIES
 PARCEL 365
 TAX MAP 35, LIBERTY
 WATER AND SEWER
 5TH ELECTION DISTRICT, CENSUS TRACT 1000

SCALE: As Shown (CONTRACTOR'S)



VICINITY MAP

Scale: 1" = 2000'

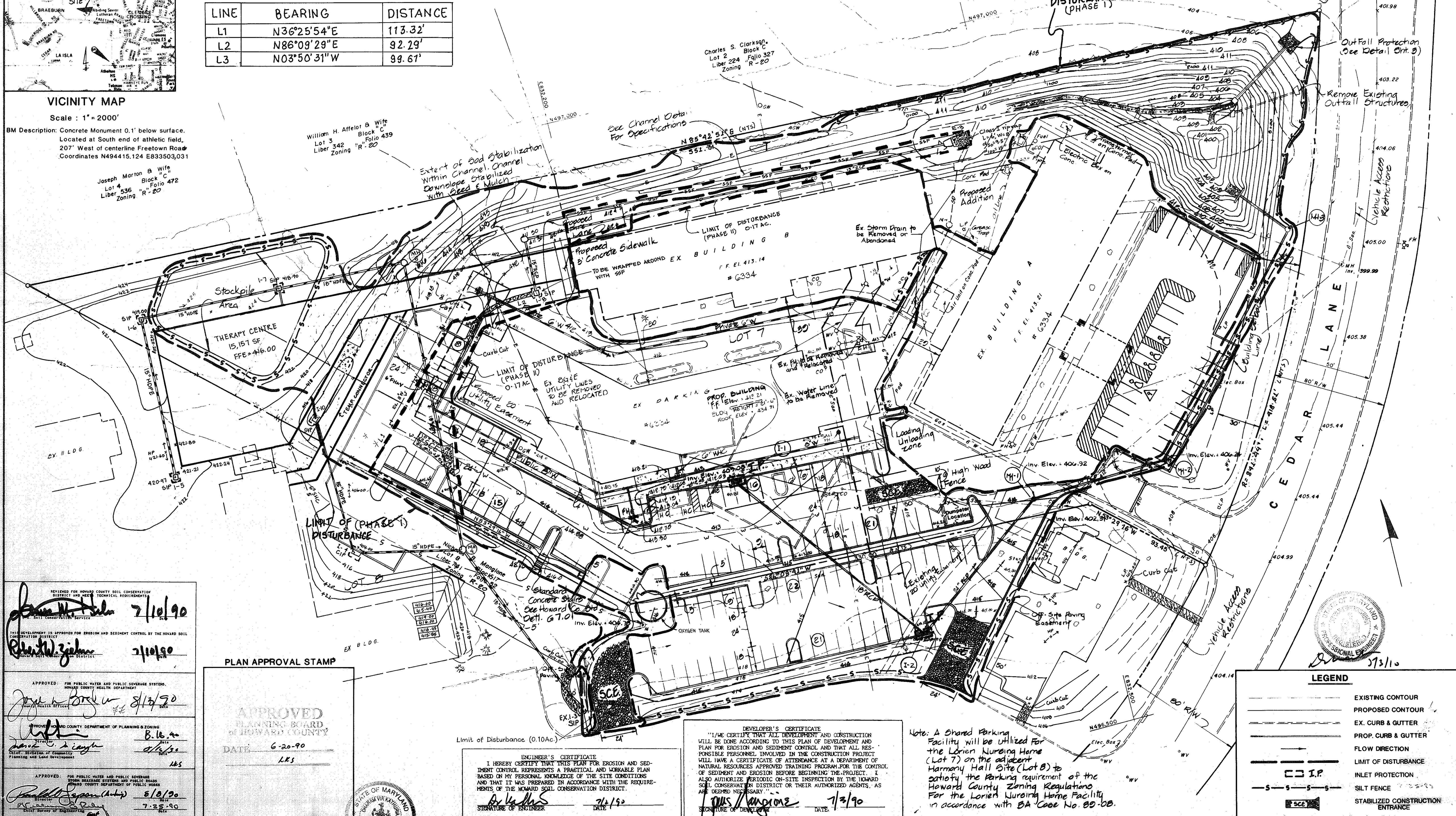
BM Description: Concrete Monument 0.1' below surface. Located at South end of athletic field, 207' West of centerline Freetown Road. Coordinates N494415.124 E833503.031

Joseph Marlon B. Wife Block C Lot 4 Folio 472 Liber 536 Zoning "R-20"

NOTE: THIS PLAN USED FOR EROSION AND SEDIMENT CONTROL ONLY. FOR CONSTRUCTION PLANS SEE SHEET 1 of 5.

LINE	BEARING	DISTANCE
L1	N36°25'54"E	113.32'
L2	N86°09'29"E	92.29'
L3	N03°50'31"W	99.67'

- 1. INLETS 1-4, 1-5, 1-6, 1-7, 1-8 AND EX-1-2 AND EX-1-3 TO BE WRAPPED AROUND WITH SUPER SILT FENCE.
- 2. EROSION CONTROL MATTING (ECM) TO BE PLACED IN ALL PROPOSED SWALES.



REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND NEED TECHNICAL REQUIREMENTS
James M. Zehn 7/10/90
 DISTRICT SOIL CONSERVATION SERVICE

APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Robert W. Zehn 7/10/90
 DISTRICT SOIL CONSERVATION SERVICE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STATIONS, HOWARD COUNTY HEALTH DEPARTMENT
John A. Zehn 8/13/90
 DISTRICT HEALTH DEPARTMENT

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
John A. Zehn 8/13/90
 DISTRICT PLANNING AND ZONING

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STATIONS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul D. Zehn 8/13/90
 DISTRICT PUBLIC WORKS

PLAN APPROVAL STAMP

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY

DATE: 6-20-90
 LKS

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.

James M. Zehn 7/1/90
 SIGNATURE OF ENGINEER DATE

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 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 MAY BE DEEMED NECESSARY.

James M. Zehn 7/3/90
 SIGNATURE OF DEVELOPER DATE

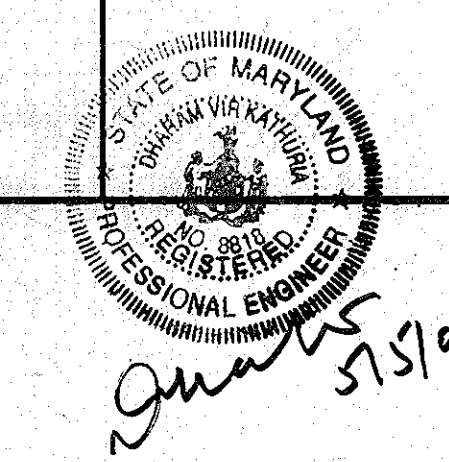
Note: A Shared Parking Facility will be utilized for the Lorien Nursing Home (Lot 7) on the adjacent Harmony Hall Site (Lot 8) to satisfy the parking requirement of the Howard County Zoning Regulations for the Lorien Nursing Home Facility in accordance with BA Code No. 80-80.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EX. CURB & GUTTER
- PROP. CURB & GUTTER
- FLOW DIRECTION
- LIMIT OF DISTURBANCE
- INLET PROTECTION
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE

REVISIONS

DESIGNED	DATE	DATE	BY	DESCRIPTION
ML	5/10	7-24-06	KCE	NEW CANOPY @ BLDG B PARKING LOT
DRAWN	9/10	4-28-09	KCE	RE-WRAPPED & EXPANDED
CHECKED		4/28/10	KCE	ADDED THERAPY CENTER, REVISED PROPERTY LINE
APPROVED				Add Temp. Connector, Oxygen Tank



ENGINEERING TECHNOLOGIES ASSOCIATES, INC.

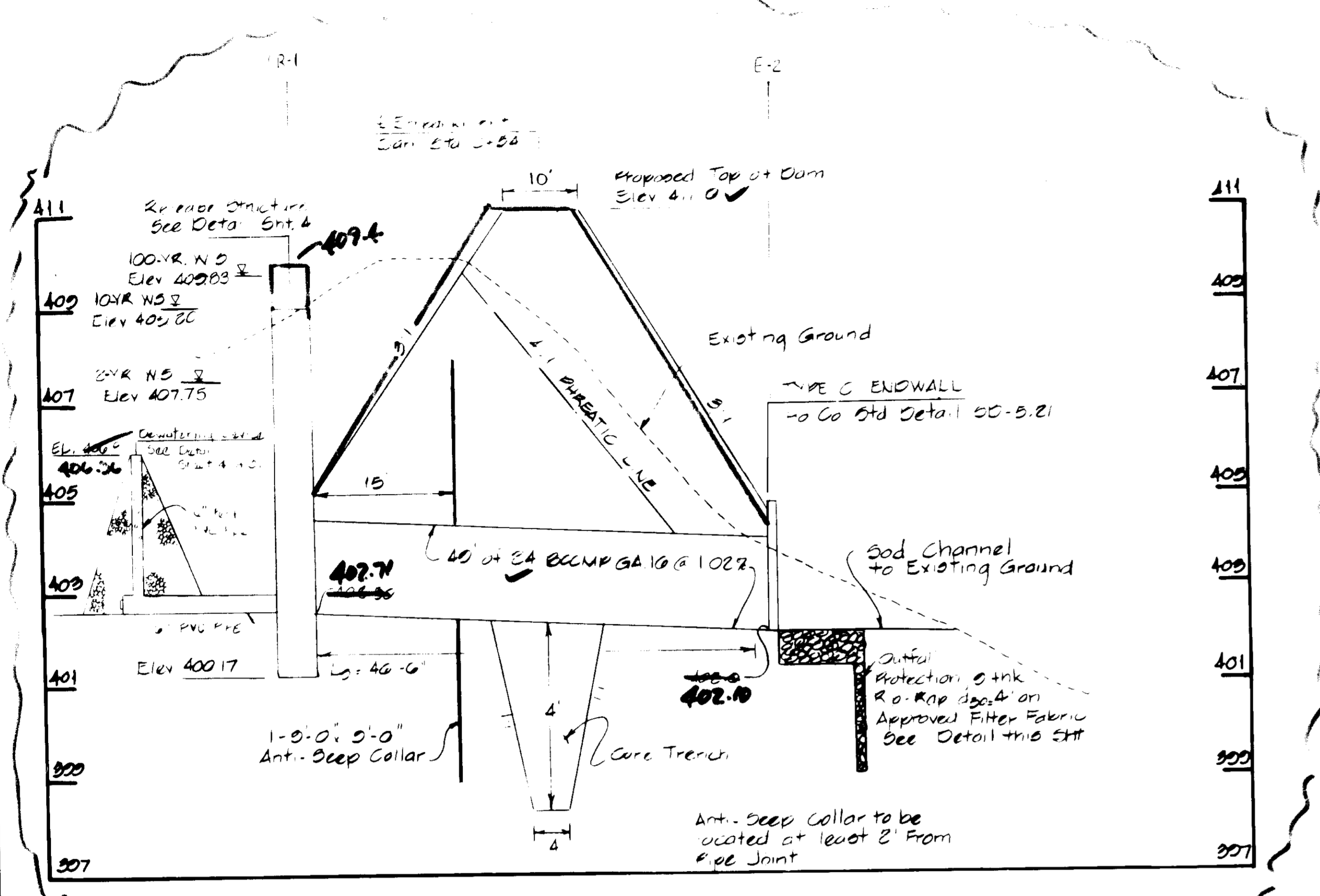
ENGINEERS, PLANNERS, SURVEYORS
 3458 ELLICOTT CENTER DRIVE, SUITE 101
 ELLICOTT CITY, MD. 21043
 (301) 461-9920

OWNER / DEVELOPER
NICKOLAS B. MANGIONE
 1205 YORK ROAD
 LUTHERVILLE, MARYLAND 21093

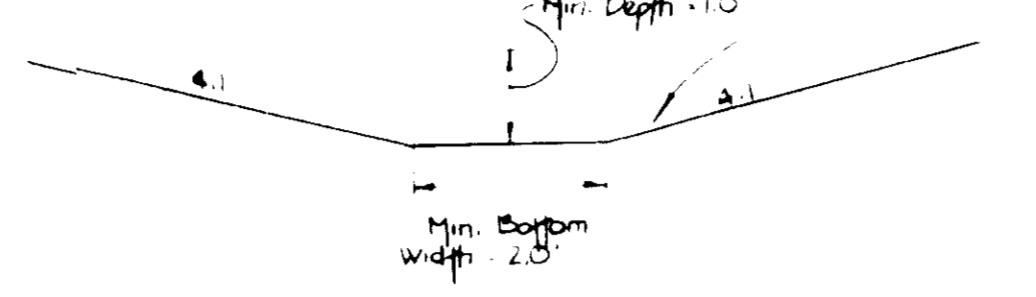
Erosion & Sediment Control Plan

BUILDING AND PARKING LOT ADDITION
LORIEN NURSING HOME EXPANSION
 HEDDING PROPERTY SUBDIVISION
 PARCEL 385 LOT 9 & 10
 TAX MAP 35, LIBER 741 FOLIO 52
 WATER CODE: E28 S2WER CODE: 8328200
 5th ELECTION DISTRICT CENSUS TRACT No. 6053.01 HOWARD COUNTY, MD

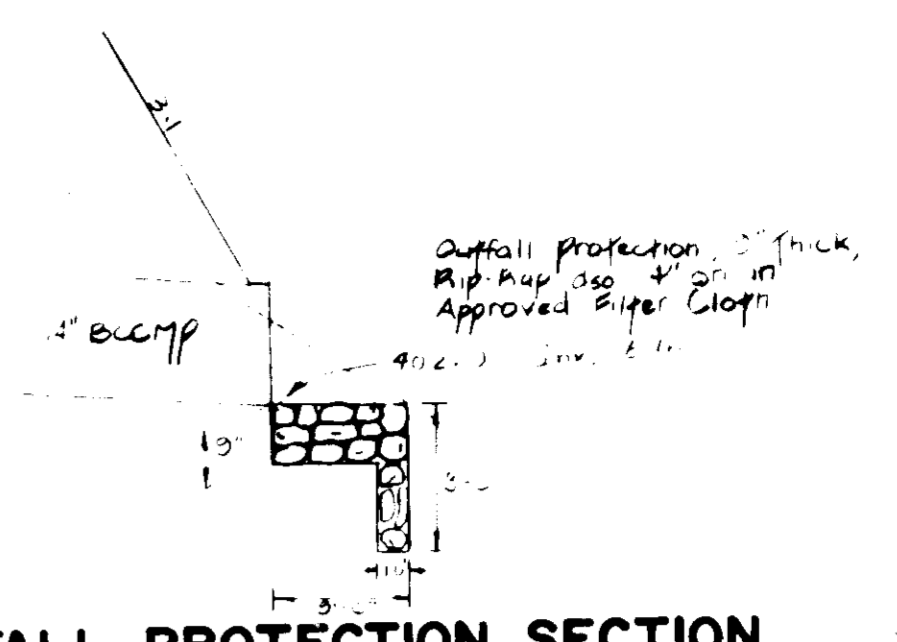
SCALE: 1" = 30' CONTRACT NO. DATE: 5/90 SHEET: 5 of 10



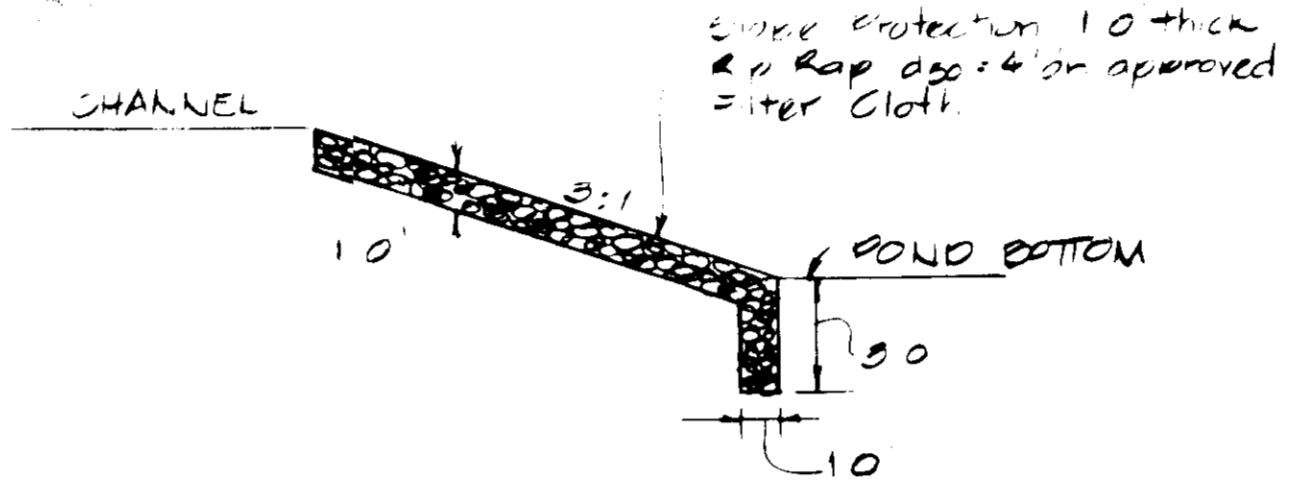
PRINCIPAL SPILLWAY PROFILE
SCALE: 1" = 10' HORIZ, 1" = 2' VERT



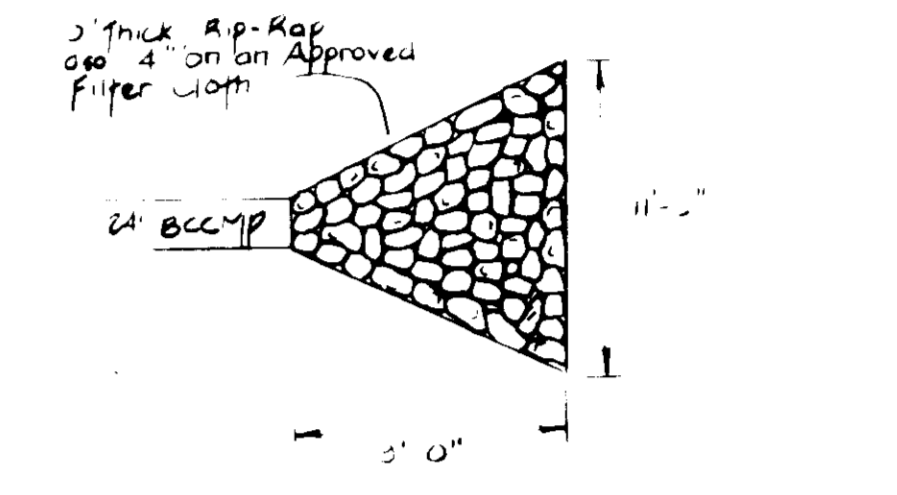
CHANNEL SECTION DETAIL
NTS



OUTFALL PROTECTION SECTION
NTS

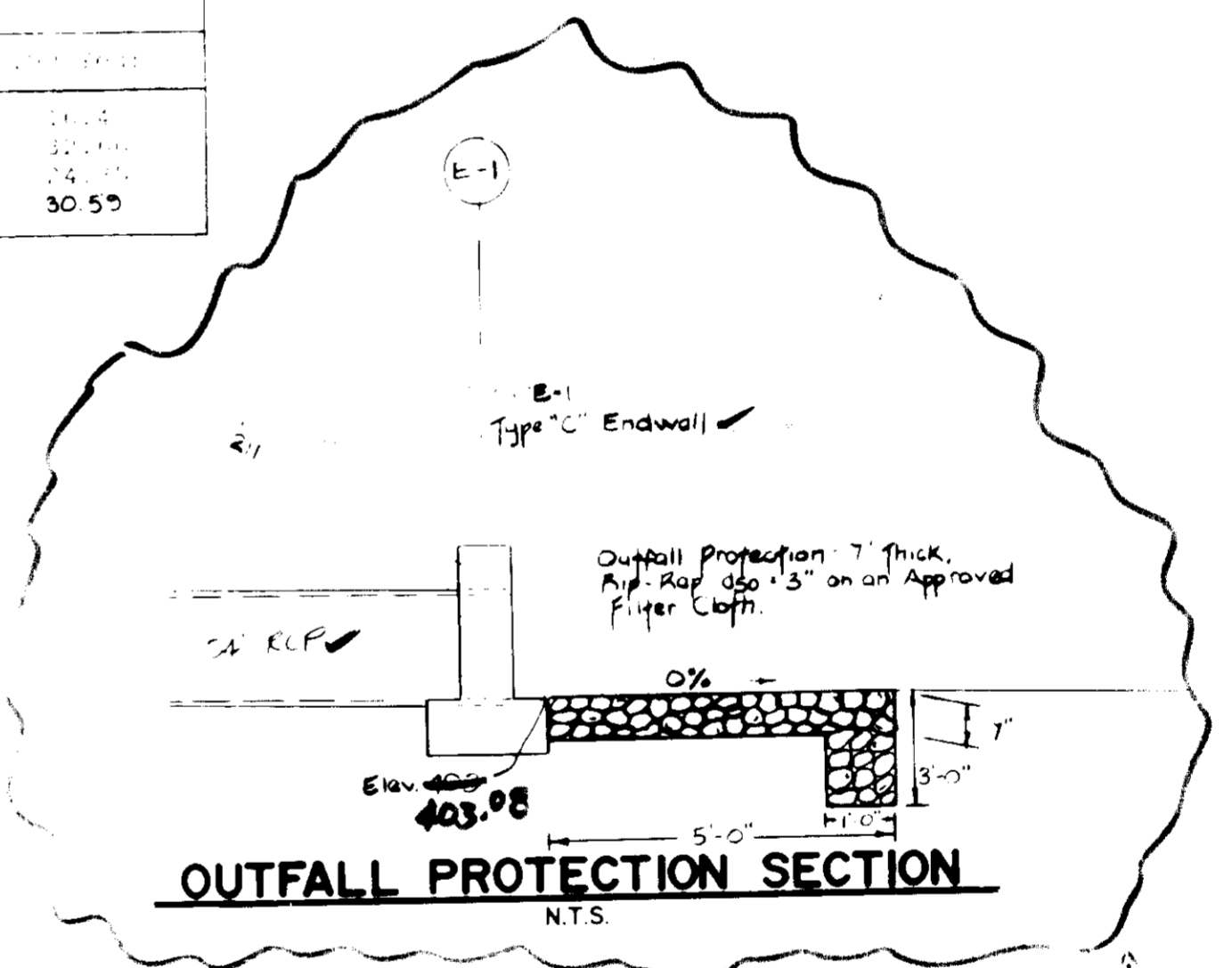


RIP-RAP SLOPE PROTECTION
NTS

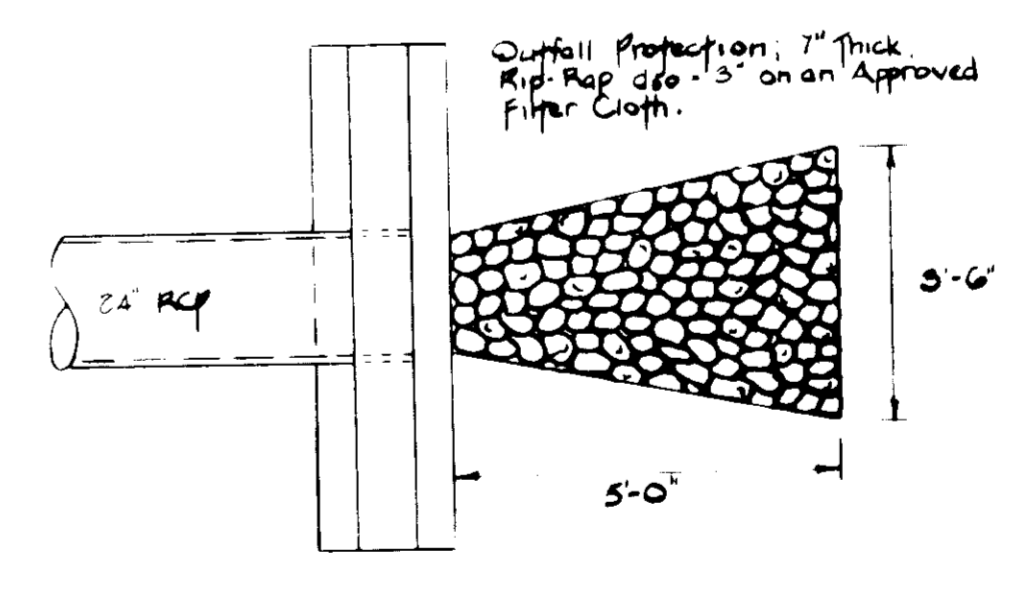


PRINCIPAL SPILLWAY OUTFALL PROTECTION PLAN VIEW
NTS

	DISCHARGES		
	1 Year	10 Year	100 Year
Existing Conditions	2.7	7.4	26.5
Proposed Conditions	11.29	21.41	37.00
Prop. after SWM	4.02	4.82	24.00
During Construction	4.03	17.27	30.55

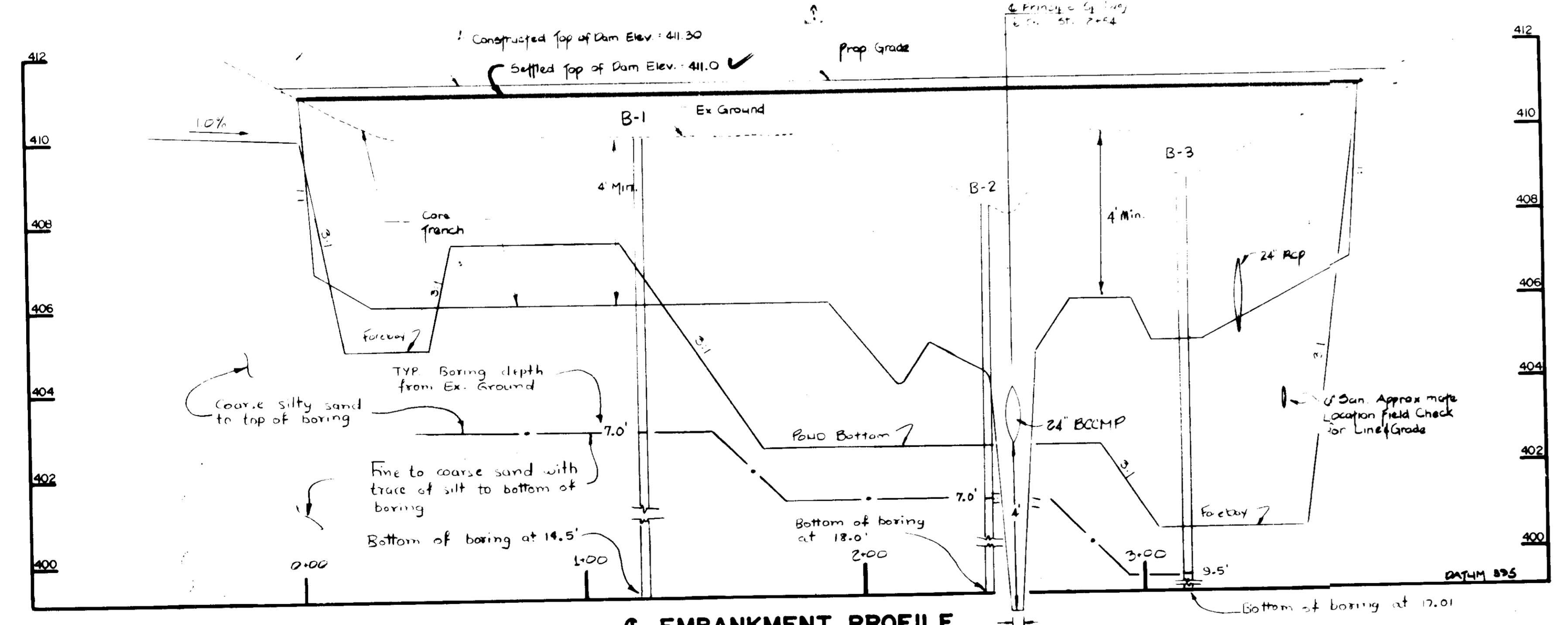


OUTFALL PROTECTION SECTION
NTS



STORM DRAIN OUTFALL PROTECTION PLAN
NTS

SUM AS BUILT



EMBANKMENT PROFILE
SCALE: 1" = 30' HORIZ, 1" = 2' VERT

PLAN APPROVAL STAMP

APPROVED

6-20-90
JLS

APPROVED FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

7/10/90

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM

8/16/90

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM

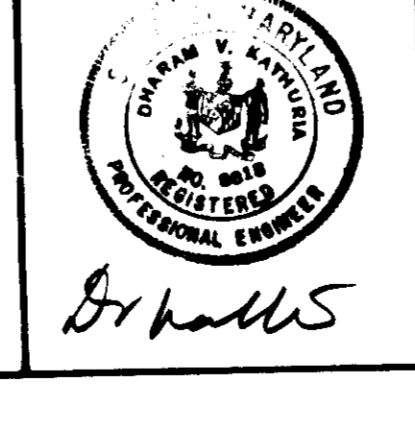
8/8/90

DESIGNED		DATE		REVISIONS	
DATE	BY	DATE	BY	DESCRIPTION	
7/1/90	Sap				

ENGINEERING TECHNOLOGIES ASSOCIATES, INC.

ENGINEERS, PLANNERS, SURVEYORS

3458 ELLICOTT CENTER DRIVE SUITE 101
ELLICOTT CITY, MD 21043
(301) 461-9920



NICKOLAS B. MANGIONE

1205 YORK ROAD
LUTHERVILLE, MARYLAND 21093

SWM/Sediment Control Basin Profiles & Details

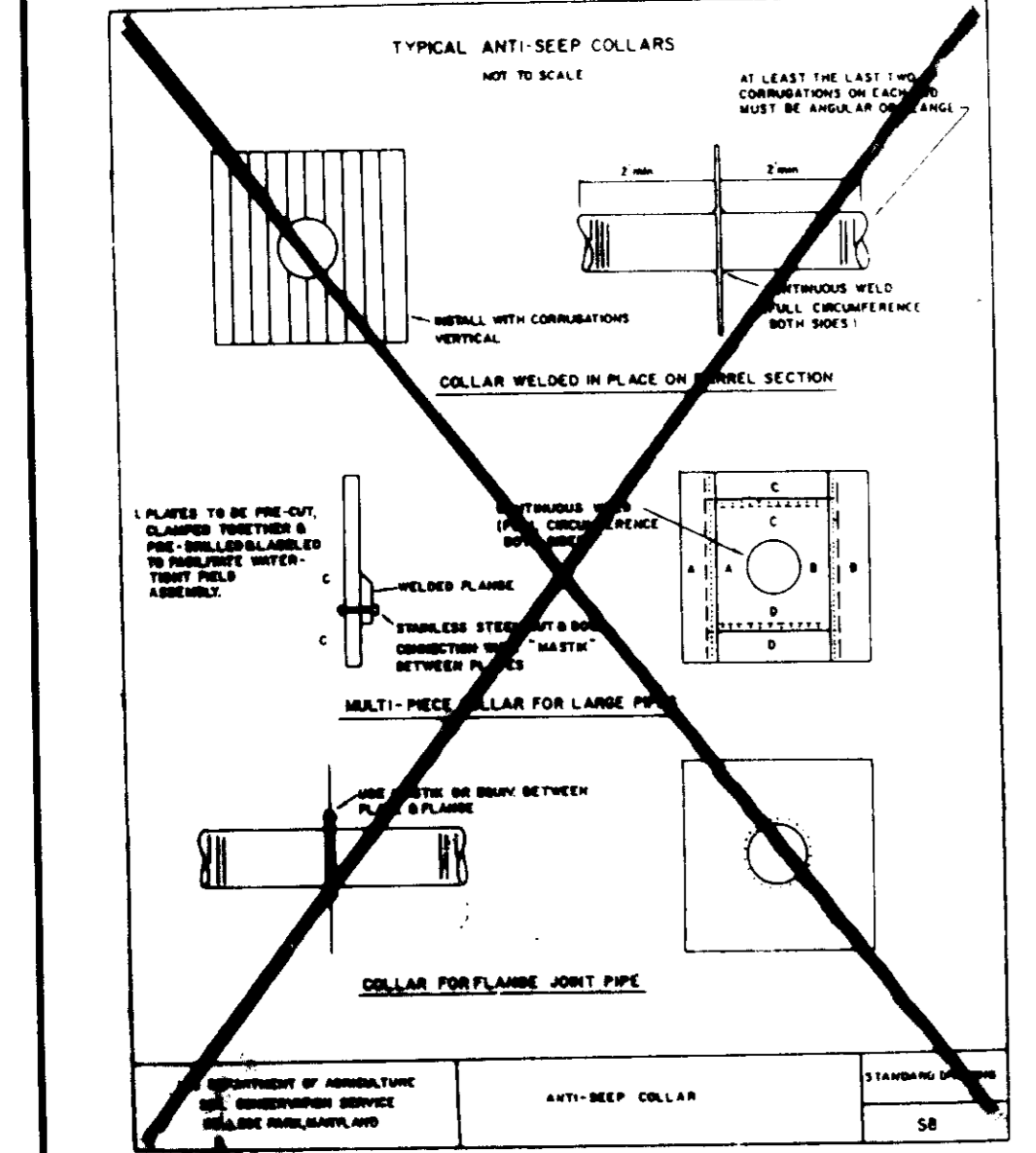
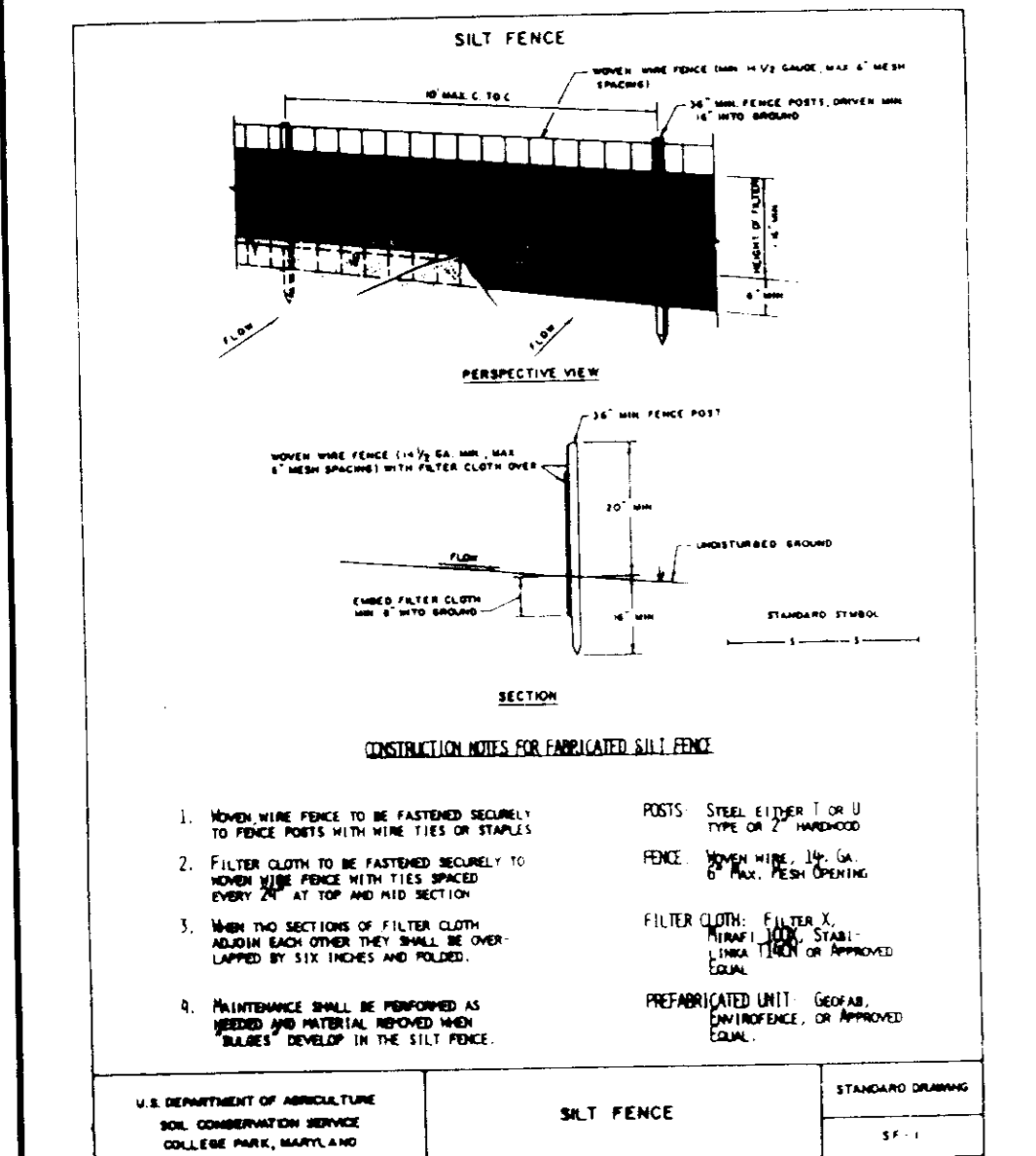
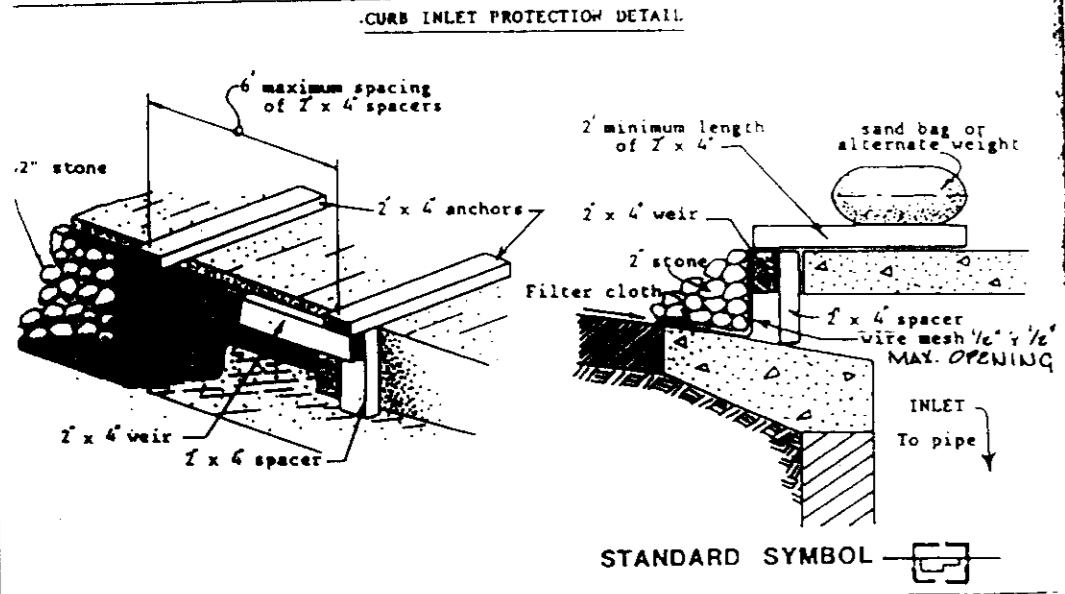
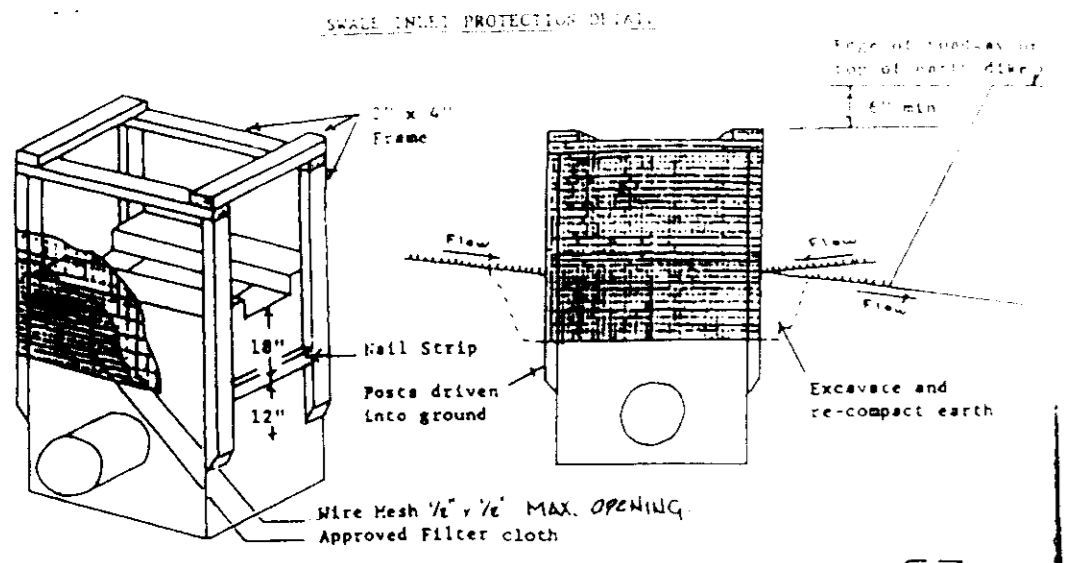
BUILDING AND PARKING LOT ADDITION

LORIEN NURSING HOME EXPANSION

HELDING PROPERTY SUBDIVISION
PARCEL 365 LOT 7 & 8
TAX MAP 35, LIBER 741, FOLIO 52
WATER CODE: E28 SEWER CODE: S22800
5th ELECTION DISTRICT, CENSUS TRACT No. 8053.01, HOWARD COUNTY, MD.

SCALE: As Shown CONTRACT NO. DATE: 5/30 SHEET: 6 of 6

SDP-90-109

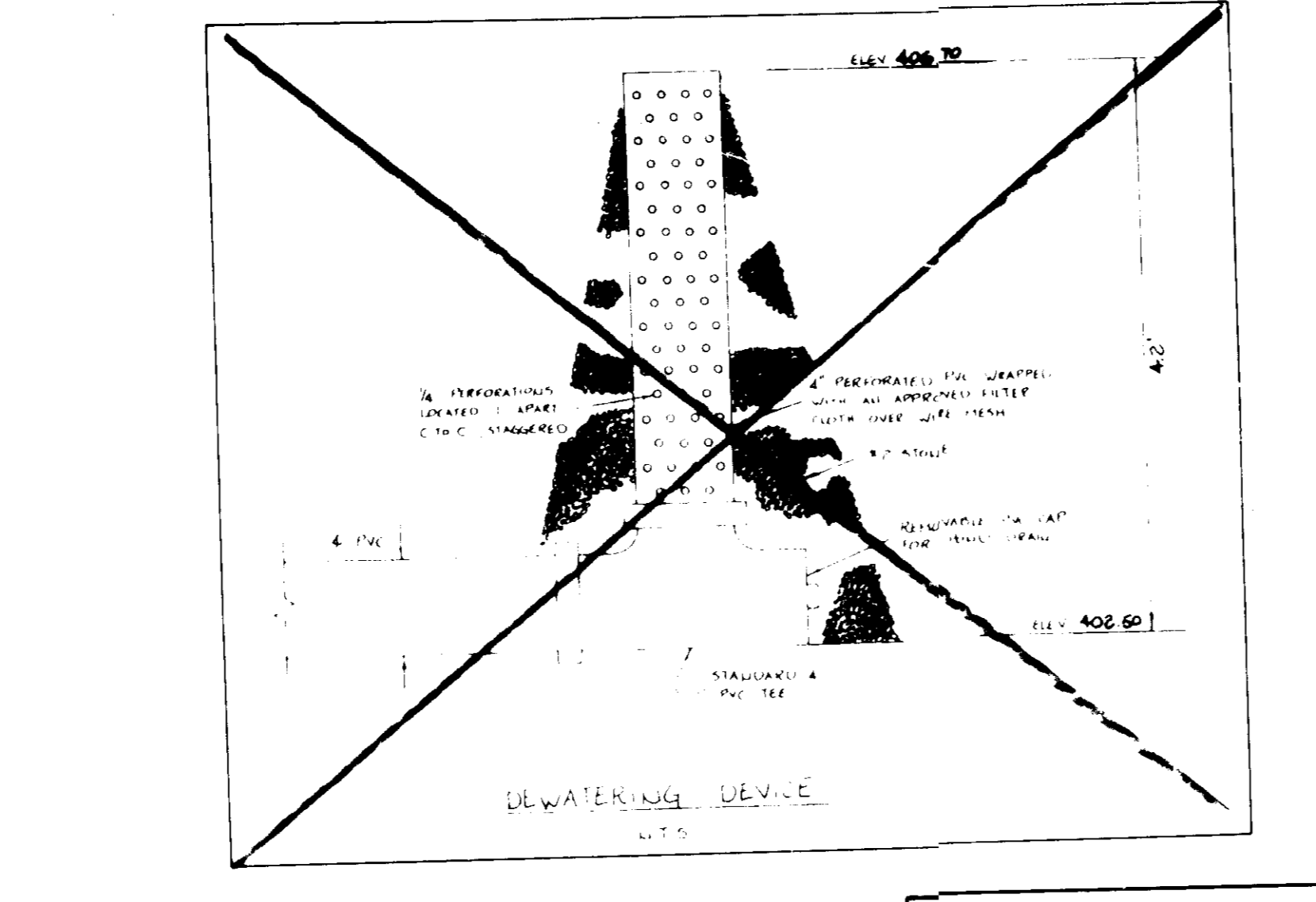
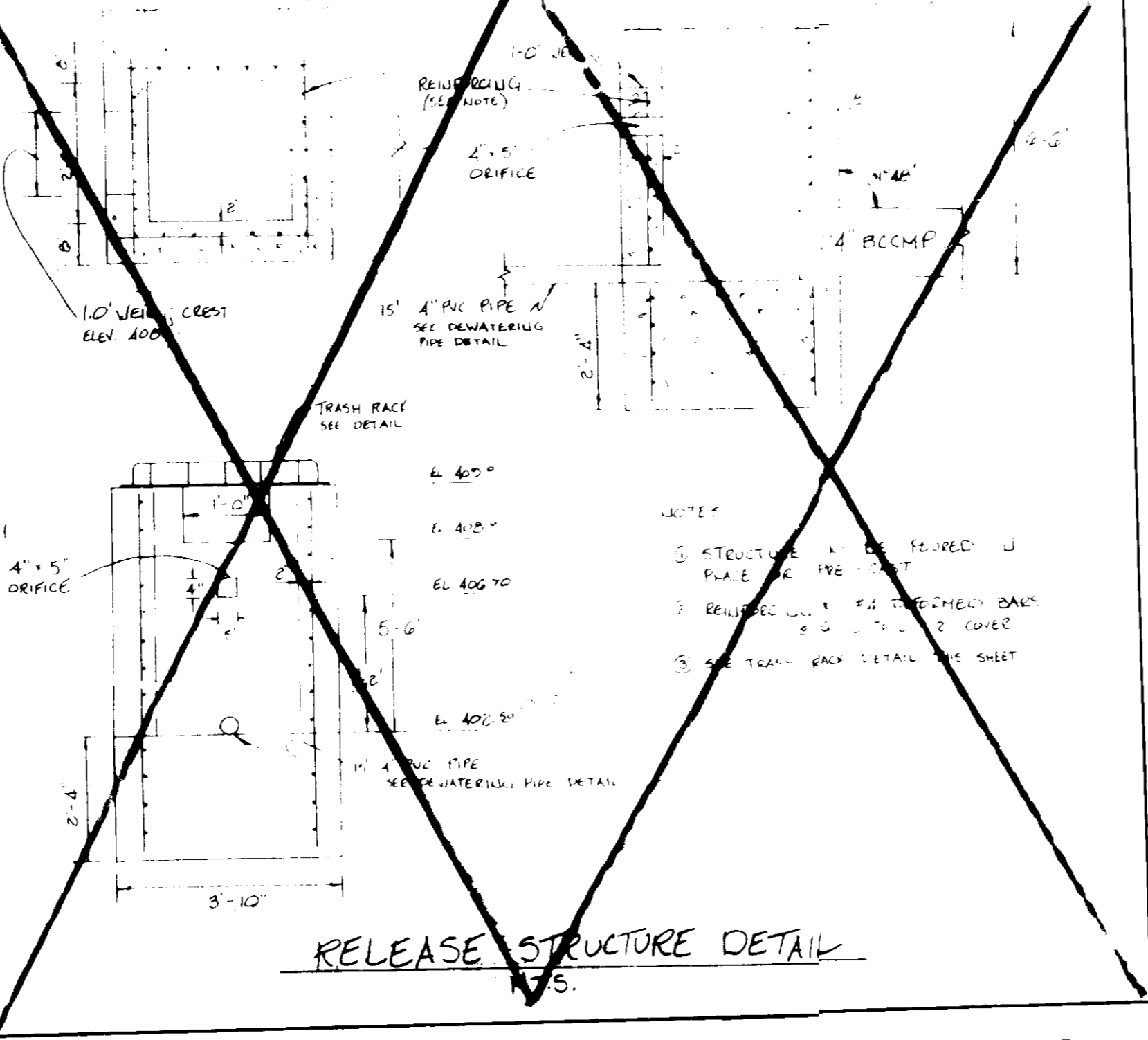


Materials

- Wooden frame to be constructed of 2" x 4" construction grade lumber.
- Wire mesh must be of sufficient strength to support filter fabric, and stone for curb inlets, with water fully impounded against it.
- Filter cloth must be of a type approved for this purpose, resistant to sunlight with a pore size 40-60 microns, to allow sufficient passage of water and removal of sediment.
- Stone to be 2" in size and clean, since fines would clog the cloth.

Procedure

- Curb Inlet Protection**
 - Excavate completely around inlet to a depth of 18" below notch elevation.
 - Drive 2 x 4 post 1" into ground at four corners of inlet. Place nail across between posts on each of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (weir) must be 6" below edge of roadway adjacent to inlet.
 - Stretch wire mesh tightly around frame and fasten securely. Ends must meet at post.
 - Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elevation. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down.
 - Backfill around inlet in compacted 6" layers until layer of earth is even with notch elevation on ends and top elevation on side.
 - If the inlet is not in a low point, construct a compacted earth dike in the ditchline below it. The top of this dike is to be at least 6" higher than the top of frame (weir).
 - This structure must be inspected frequently and the filter fabric replaced when clogged.
- Curb Inlet Protection**
 - Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 4") as shown on the standard drawing.
 - Place a piece of approved filter cloth (40-60 microns) of the same diameter as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
 - Securely nail the 2" x 4" weir to 9" long vertical spacers to be located between the weir and inlet face (max. 8" spacing).
 - Place the assembly against the inlet throat and nail (minimum 2" length of 2" x 4" to the 2" x 4" weir) (measuring throat length plus 4") as shown on the standard drawing.
 - These 2" x 4" spacers shall extend across the inlet top and be held in place by sandbags or alternate weight.
 - The assembly shall be placed so that the end spacers are a minimum 1" beyond both ends of the throat opening.
 - Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
 - This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
 - Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.



SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and permits prior to the start of any construction. (89-26337)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARIANO STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or disturbance, removal of temporary stabilization shall be completed within 90 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 2:1, 90 days for all other disturbed or graded areas on the project site.
- All sediment transfer/loss must be fenced and warning placed around their perimeter in accordance with Vol. 1, Chapter 11, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARIANO STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 31) and (Sec. 34), temporary seedings (Sec. 30) and mulching (Sec. 31). Temporary stabilization with which slope can only be done when recommended seeding rates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permittee (or their removal) has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:**
Total Area of Site: 4.86 Acres
Area Disturbed: 4.86 Acres
Area to be vegetatively stabilized: 1.00 Acres
Total Cut: 1.00 cu. yds
Total Fill: 0.00 cu. yds
Off-site waste/borrow area location: _____
- Any sediment control practice which is disturbed by grading activities for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading, interior building or grading inspection shall be requested. No construction shall take place until approved by the inspection agency in a written notice.

PERMANENT SEEDING NOTES

Seeding Preparation Loosen upper 3 inches of soil by tilling. Do not till other acceptable areas before seeding.

Soil Amendments Use one of the following schedules:

- Preferred: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 400 lbs per acre (40 lbs/1000 sq ft) of fertilizer (14 lbs/1000 sq ft) before seeding.
- Acceptable: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre (100 lbs/1000 sq ft) of fertilizer (28 lbs/1000 sq ft) before seeding.
- Alternative: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre (100 lbs/1000 sq ft) of fertilizer (28 lbs/1000 sq ft) before seeding.

Seeding For the periods March 1 thru April 30, and August 1 thru October 15, seed with 80 lbs per acre of annual ryegrass (10 lbs/1000 sq ft) of Kentucky 31 tall fescue (70 lbs/1000 sq ft) for the period May 1 thru July 31, seed with 80 lbs per acre Kentucky 31 tall fescue per acre and 2 lbs per acre (0.2 lbs/1000 sq ft) of urea nitrogen. During the period of October 16 thru February 28, protect site by: Option 1: Seed with 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option 2: Use and Option 3: Seed with 40 lbs/acre Kentucky 31 tall fescue and mulch with 2 tons/acre well anchored straw.

Mulching Apply 1 1/2 to 2 tons per acre (150 to 200 lbs/1000 sq ft) of unrolled small grain straw immediately after seeding and anchor mulch immediately after application using which anchoring tool or 210 gallons per acre (21 gal/1000 sq ft) of mulch applied on flat areas. On slopes 4 feet or higher, use 400 gallons per acre (40 gal/1000 sq ft) for anchoring.

Maintenance Inspect all seeded areas and make needed repairs, replacements and reseedings.

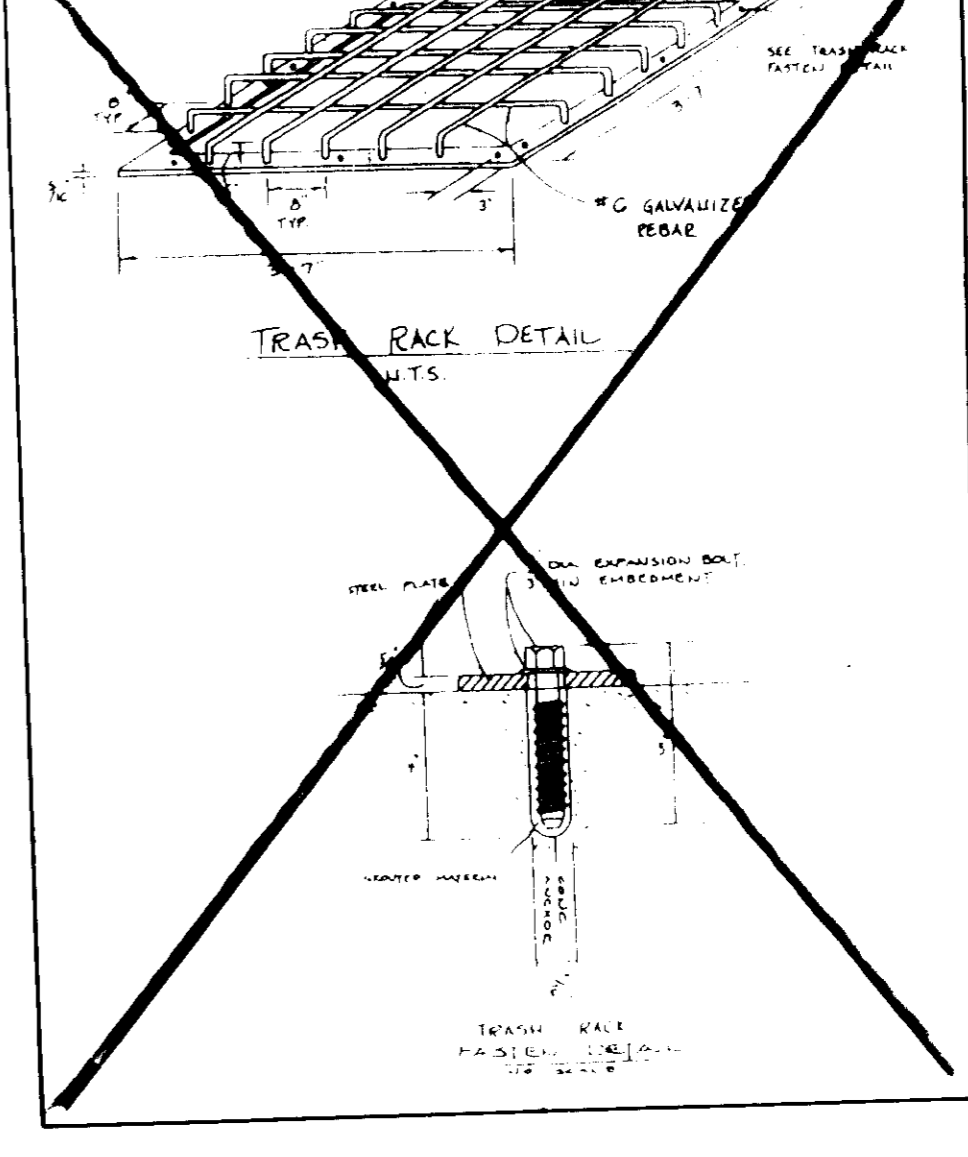
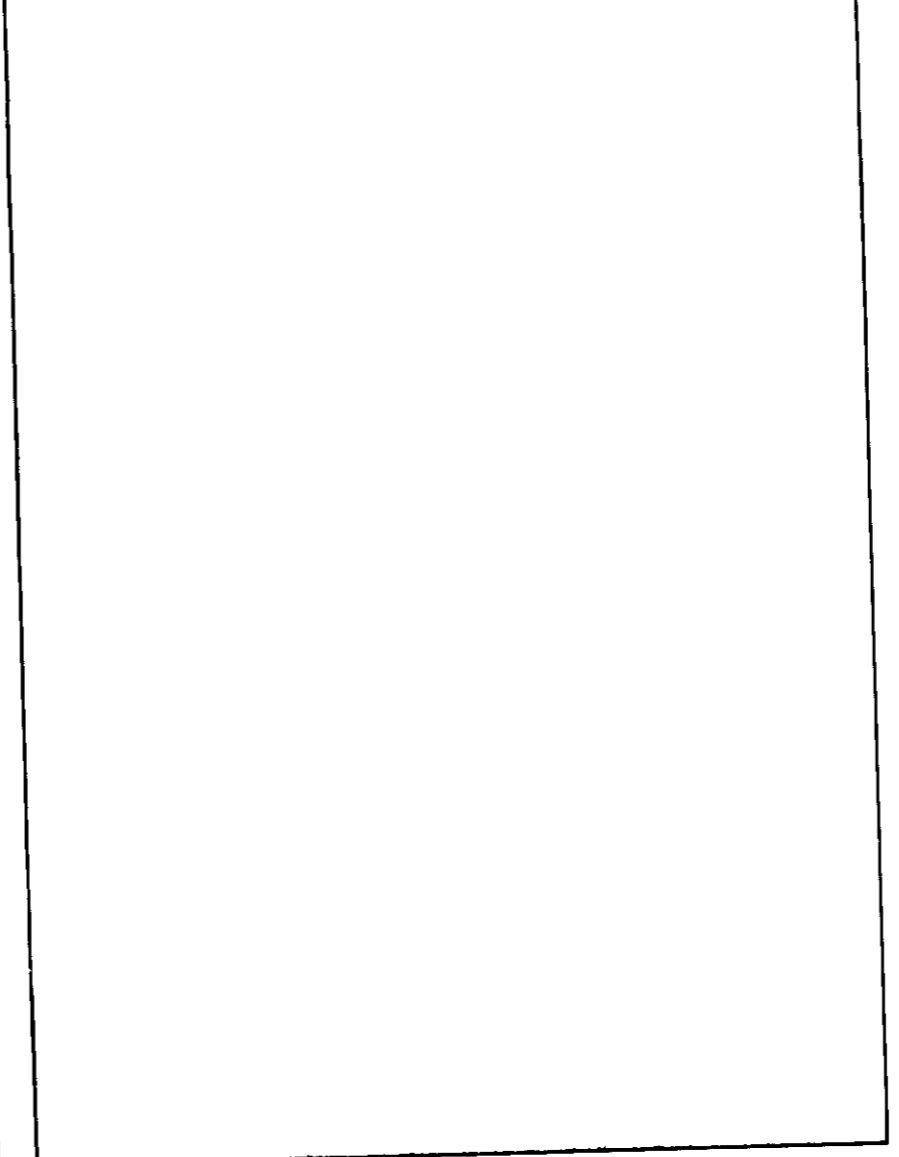
EMPLOYMENT SAVING NOTES

Seeding Preparation Loosen upper 3 inches of soil by tilling. Do not till other acceptable areas before seeding.

Soil Amendments Apply 600 lbs per acre to 10 to 15 lbs/1000 sq ft.

Seeding For periods March 1 thru April 30 and from August 1 thru October 15, seed with 1/2 lb per acre of annual ryegrass (10 lbs/1000 sq ft) for the period May 1 thru August 15, seed with 3 lbs per acre of urea nitrogen (0.3 lbs/1000 sq ft) for the period February 29 thru February 28, protect site by: Option 1: Seed with 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring or use seed.

Seeding Apply 1 1/2 to 2 tons per acre (150 to 200 lbs/1000 sq ft) of unrolled small grain straw immediately after seeding and anchor mulch immediately after application using which anchoring tool or 210 gal per acre (21 gal/1000 sq ft) of mulch applied on flat areas. On slopes 4 feet or higher, use 400 gal per acre (40 gal/1000 sq ft) for anchoring.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
DATE: 8/13/90
BY: [Signature]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 8/18/90
BY: [Signature]

PLAN APPROVAL STAMP

APP PLAN OF HOWARD COUNTY
D. 6-20-90
[Signature]

I certify that all development and/or construction shown on these plans, and that any 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 will provide the Howard Soil Conservation District with an "as built" plan of the site within 30 days of completion. I will also authorize periodic onsite inspections by the Howard Soil Conservation District.

Signature of Developer: **John Mangione** 7/13/90
Print name below signature

By the Engineer:
Signature of Engineer: **D. V. KATHURIA** 7/10/90
Print name below signature

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

Signature of Engineer: **Robert J. Ziehm** 7/10/90
Print name below signature

SEQUENCE OF CONSTRUCTION

- Obtain grading permit.
- Clear minimum area required and construct sediment control management basin in accordance with the control plans and specifications as shown. Remove existing outfall structure. Construct proposed principal spillway structure, sediment control diverting device, release structure with appropriate orifice seal and pilot channel. Note, western portion of stormwater management basin will not be excavated during sediment control phase of basin development.
- Install appropriate sediment control measures for construction of Southern parking and drive areas.
- Clear and rough grade for construction of southern parking and drive areas.
- Final grade above mentioned areas and relocate ex. 8" water line to locate prior to existing parking area. (See water line profile).
- Install proposed storm drain from I-2 to E-1. Provide inlet protection at storm drain inlets.
- Pave and curb southern parking and drive areas.
- Install remaining sediment control measures for site development.
- Remove existing paving where necessary. Clear remaining areas within limits of disturbance and rough grade areas.
- Relocate BGE utility lines.
- Final grade the site and remove existing storm drain system.
- Install utilities (remaining storm drain system, proposed water line, proposed fire hydrants and sanitary sewer manhole), pavement and appurtenances, and construct buildings and diversion channel. Provide inlet protection at storm drain inlets.
- Upon completion of installation of utilities, pavement and building, stabilize all areas needed.
- Upon approval from sediment control inspector, remove all sediment control measures and convert sediment basin to stormwater management basin; remove all sediment, complete orifice plate to structure as per specifications shown. Stabilize all affected areas immediately.

DESIGNED	DATE	DATE	BY	DESCRIPTION

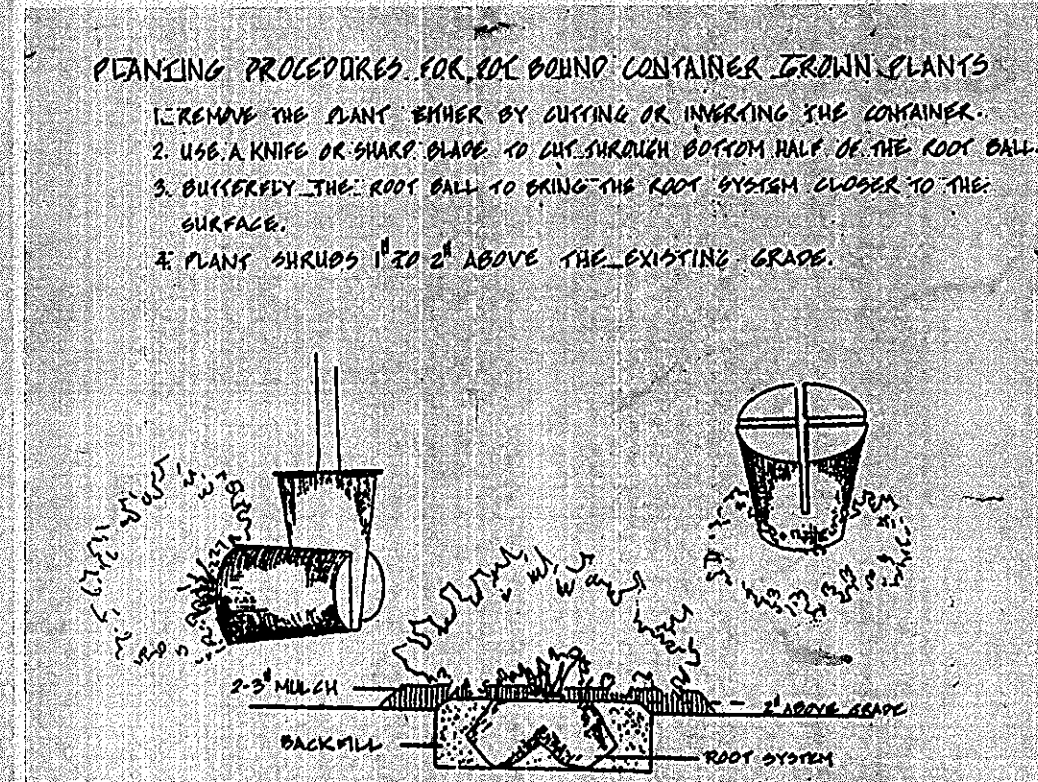
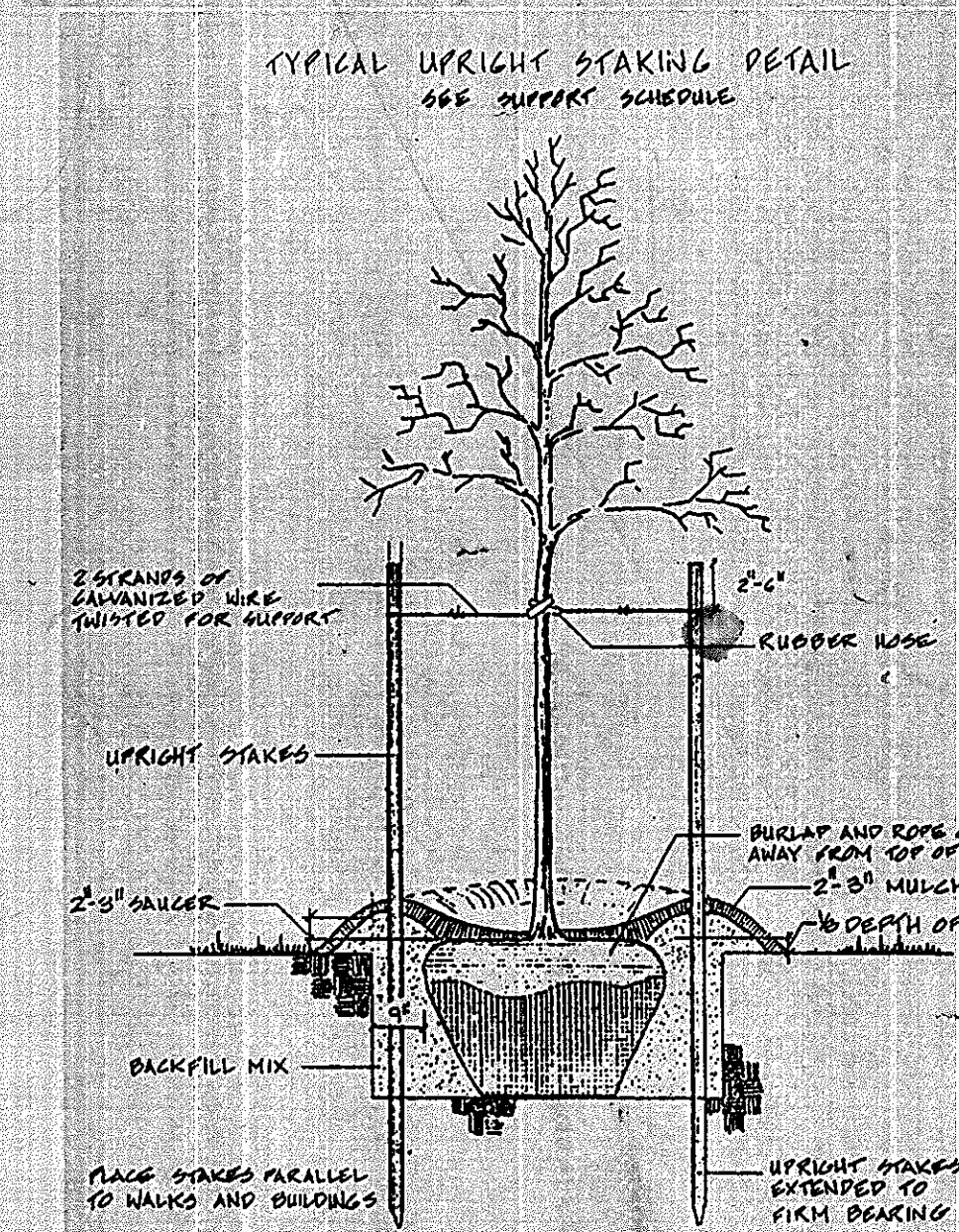
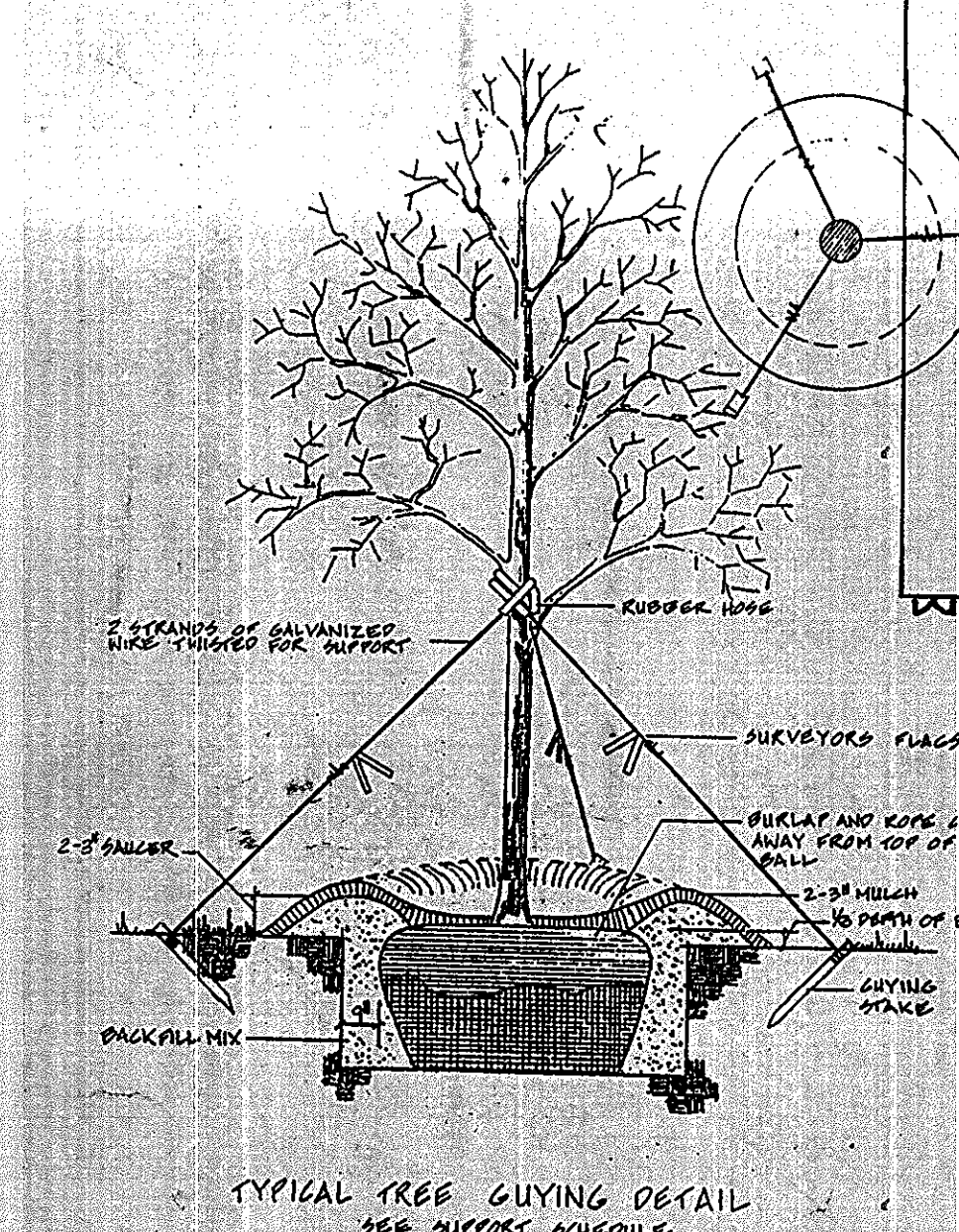
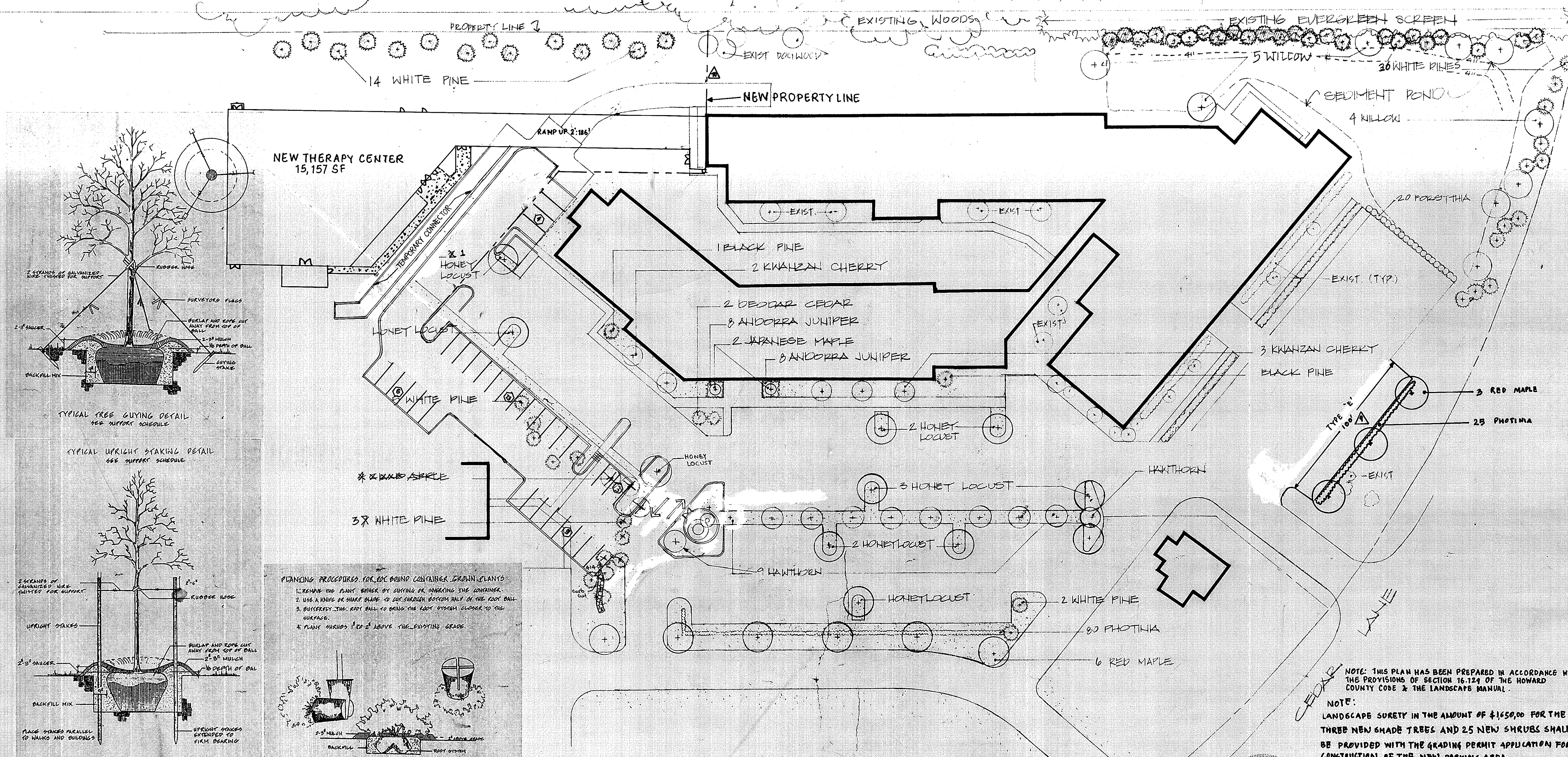
ENGINEERING TECHNOLOGIES ASSOCIATES, INC.
ENGINEERS, PLANNERS, SURVEYORS
3458 ELLICOTT CENTER DRIVE SUITE 101
ELLICOTT CITY, MD 21043
(301) 461-9920

OWNER / DEVELOPER
NICKOLAS B MANGIONE
1205 YORK ROAD
LUTHERVILLE, MARYLAND 21093

Erosion & Sediment Control Details
BUILDING AND PARKING LOT ADDITION
LORIE NURSING HOME EXPANSION
HEPENDING PROPERTY SUBDIVISION
PARCEL 365 LOT 7 & 8
TAX MAP 35, LIBER 741, FOLIO 52
WATER CODE: 228 SEWER CODE: 5282000
5th ELECTION DISTRICT, CENSUS TRACT NO. 6053.01 HOWARD COUNTY, MD.

SCALE: As Shown CONTRACT NO. DATE: 5/90 SHEET 7 of 9

SDP-90-109

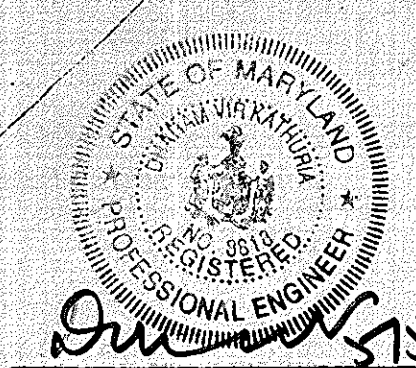


PLANT LIST

QTY.	NAME	SIZE	SPECIFICATIONS	
2	BLACK PINE	PIUS THUNBERGII	6'-7'	FULL TO BASE - WITH CHARACTER
64	WHITE PINE	PIUS STROBUS	5'-6'	FULL TO BASE - DENSE - FULL
12	HONEY LOCUST	GLEDTZIA TRIA. INERMIS 'SHADEMASTER'	2 1/2" CAL. 12' 14' HT.	STRAIGHT TRUNK - 5' CLEAR STEM - FULL HEAVY HEAD B+B
5	KWANZAN CHERRY	PRUNUS SERR. PLATA KWANZAN	6'-8' HT.	STRAIGHT TRUNK - FULL - DENSELY BRANCHED HEAD B+B
10	WASHINGTON HAWTHORN	CRATAEGUS PHAENOPYRUM	6'-8' HT.	MULTI-STEM (MIN 3) CLUMP - DENSELY BRANCHED B+B
4	CRABAPPLE	MALUS FLORIBUNDA	6'-8' HT.	FULL - WIDE - DENSELY BRANCHED HEAD B+B
9	RED MAPLE	ACER RUBRA 'OCTOBER GLORY'	2" CAL. 12' 14' HT.	STRAIGHT TRUNK - CLEAR 5' STEM - FULL HEAVY HEAD B+B
2	DEODAR CEDAR	CEDRUS DEODARA	8'-10' HT.	FULL TO BASE - DENSE + FULL B+B
2	JAPANESE MAPLE	ACER PALM-TUM ATROPURPUREUM 'BLOOD GOOD'	3'-6' HT.	SPECIMEN - MATCHED - BALANCED HEAD B+B
16	ANDORRA JUNIPER	JUNIPERUS HOR. 'PLUMOSA COMPACTA'	15"-18" SP. R.	FULL 36" O.C. CONTAINER B+B
9	WILLOW	SALIX BABYLONICA 'AUREA'	5'-6' HT.	STRAIGHT TRUNK B+B
105	PHOTINIA	PHOTINIA FRAZERII	2 1/2" CAL. 30" HT.	MULTI-CANE CLUMP - FULL B+B
20	FORSYTHIA	FORSYTHIA 'LINWOOD GOLD'	3'-4' HT.	MULTI-CANE CLUMP - DENSE B+B

NOTE: THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE & THE LANDSCAPE MANUAL.

NOTE: LANDSCAPE SURETY IN THE AMOUNT OF \$1650.00 FOR THE THREE NEW SHADE TREES AND 25 NEW SHRUBS SHALL BE PROVIDED WITH THE GRADING PERMIT APPLICATION FOR CONSTRUCTION OF THE NEW PARKING AREA.



NO.	BY	REVISION	DATE
1	KCE	NEW CANOPY @ BLDG 8, PARKING LOT EX PAVED 7/31/90	
2	KCE	PERIMETER LANDSCAPING ADDED	4/24/90
3	KCE	Revise Parking Lot Landscaping	
4	KCE	New Therapy center & ramp	1-28-90

APPROVED: *James W. Ziehm* 7/10/90
 STATE OF MARYLAND PROFESSIONAL ENGINEER
 License No. 15150

APPROVED: *Robert W. Ziehm* 7/10/90
 STATE OF MARYLAND PROFESSIONAL ENGINEER
 License No. 15150

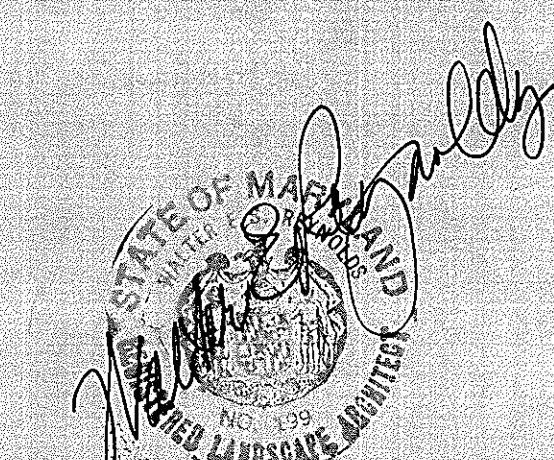
APPROVED: *[Signature]* 8/13/90
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER

APPROVED: *[Signature]* 8-6-90
 HOWARD COUNTY DEPT. OF PLANNING & ZONING
 PLANNING AND LAND DEVELOPMENT

APPROVED: *[Signature]* 8/18/90
 STATE OF MARYLAND PROFESSIONAL ENGINEER
 License No. 15150

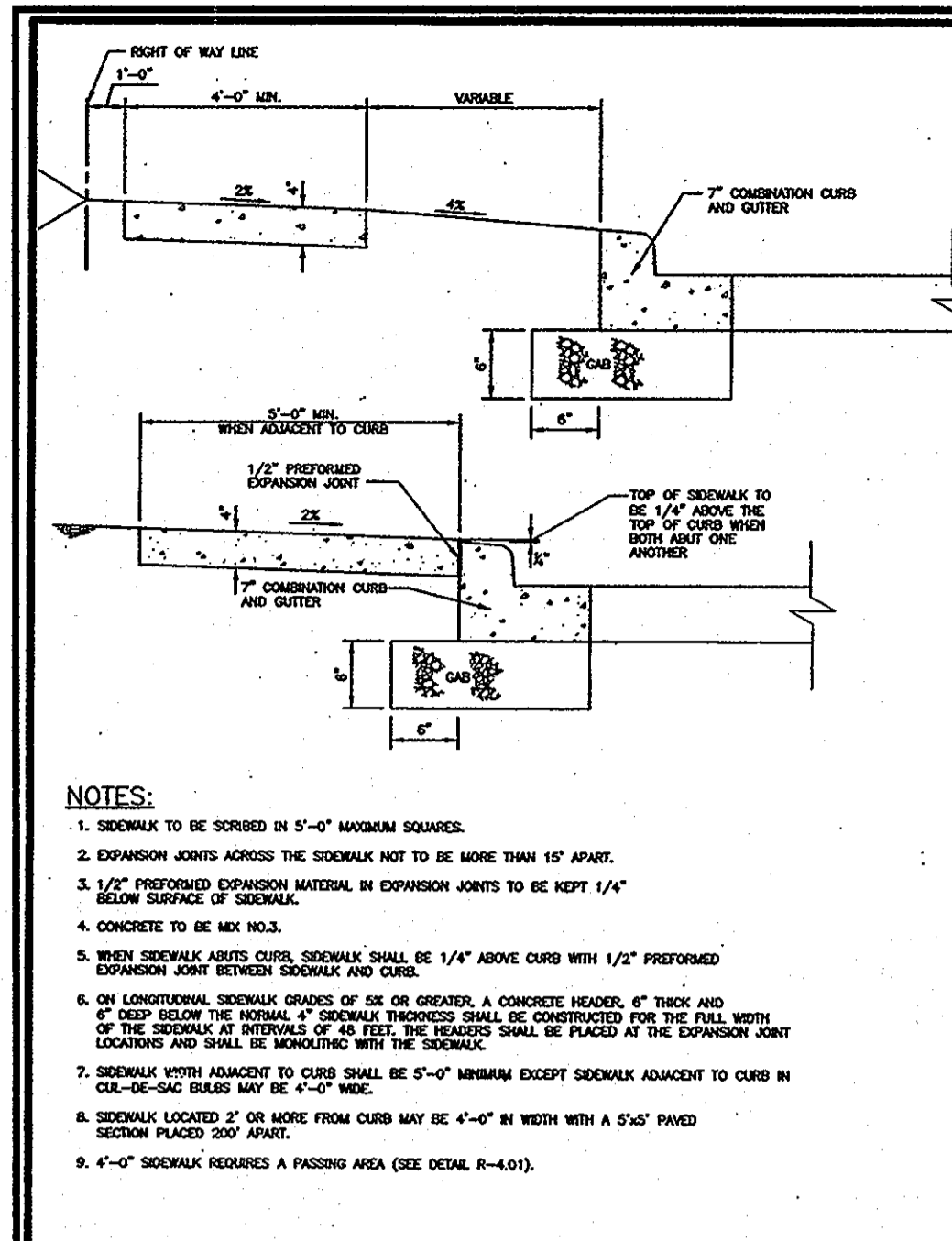


APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 6-26-90
 [Signature]

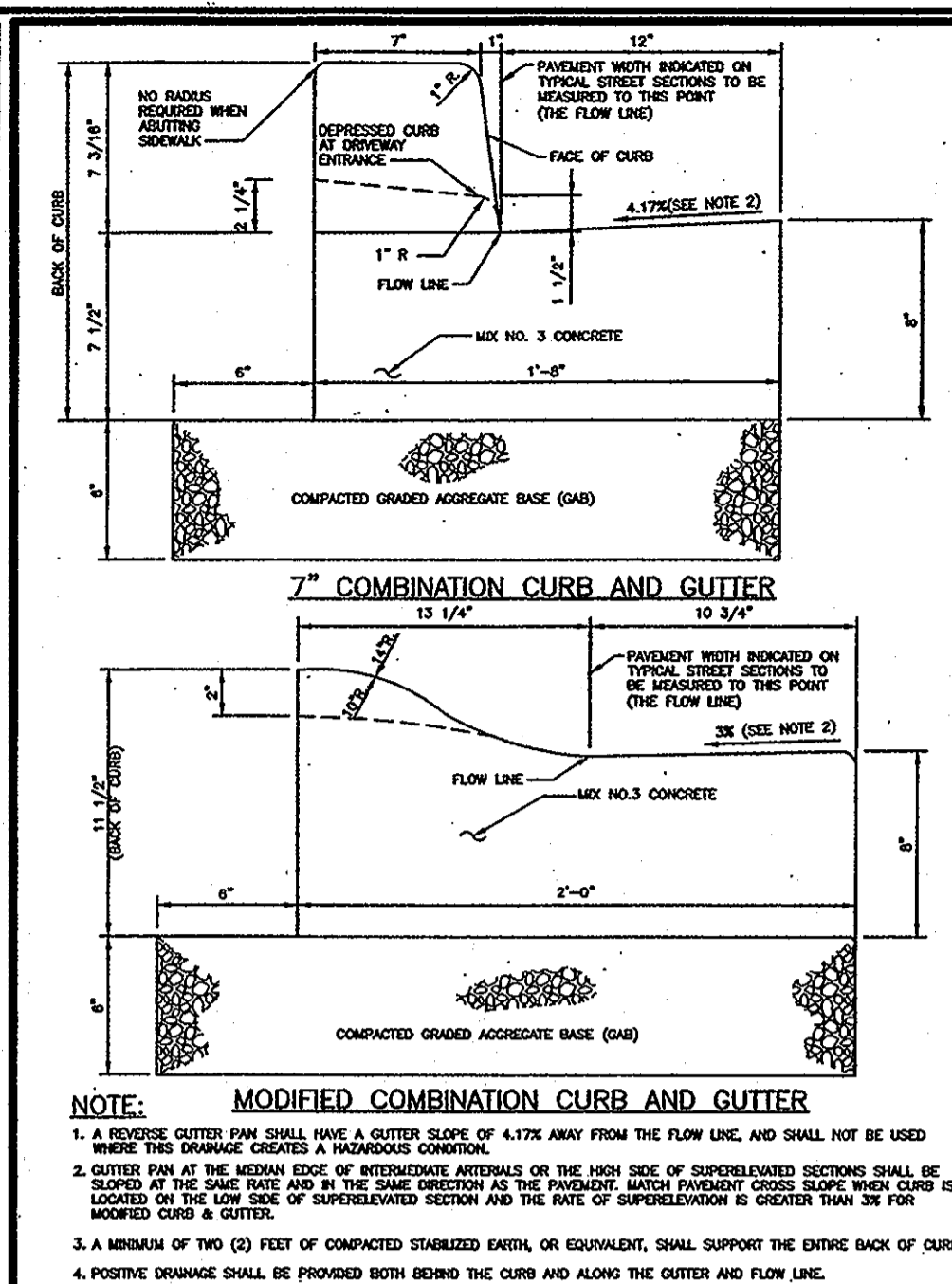


APPROVED: *[Signature]* 8/25/90
 STATE OF MARYLAND PROFESSIONAL ENGINEER
 License No. 15150

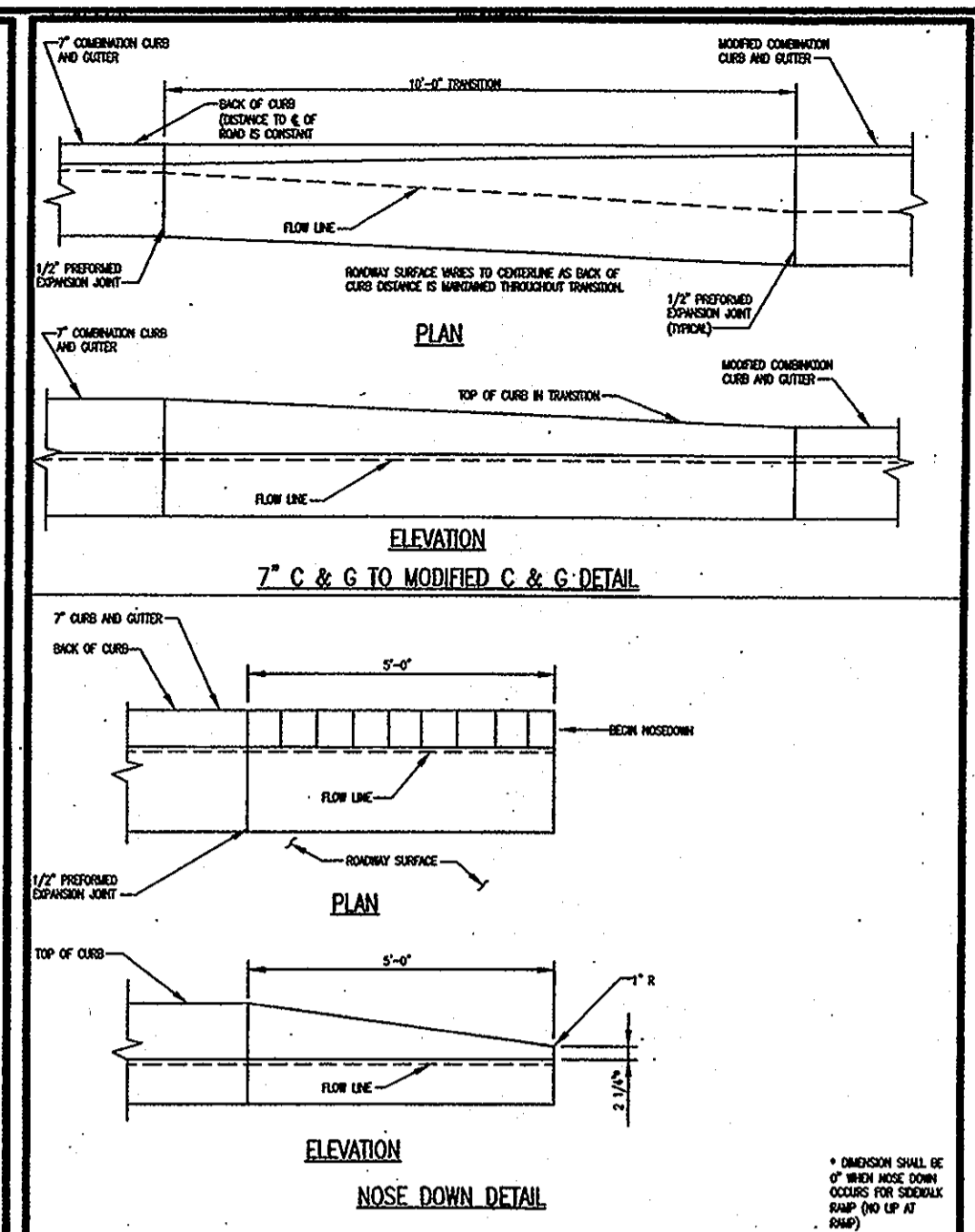
WATER REMEDIATION DESIGN ASSOCIATES LTD.
 LANDSCAPE ARCHITECTURE AND PLANNING
 16400 FREDERICK ROAD
 FORT WASHINGTON, PA 19041
 PROJECT NO. LANDSCAPE PLAN FOR LOVELIN LUXURIOUS HOME EXPANSION
 SHEET 3 OF 20
 DATE: JUNE 26, 1990
 SDR-90-109



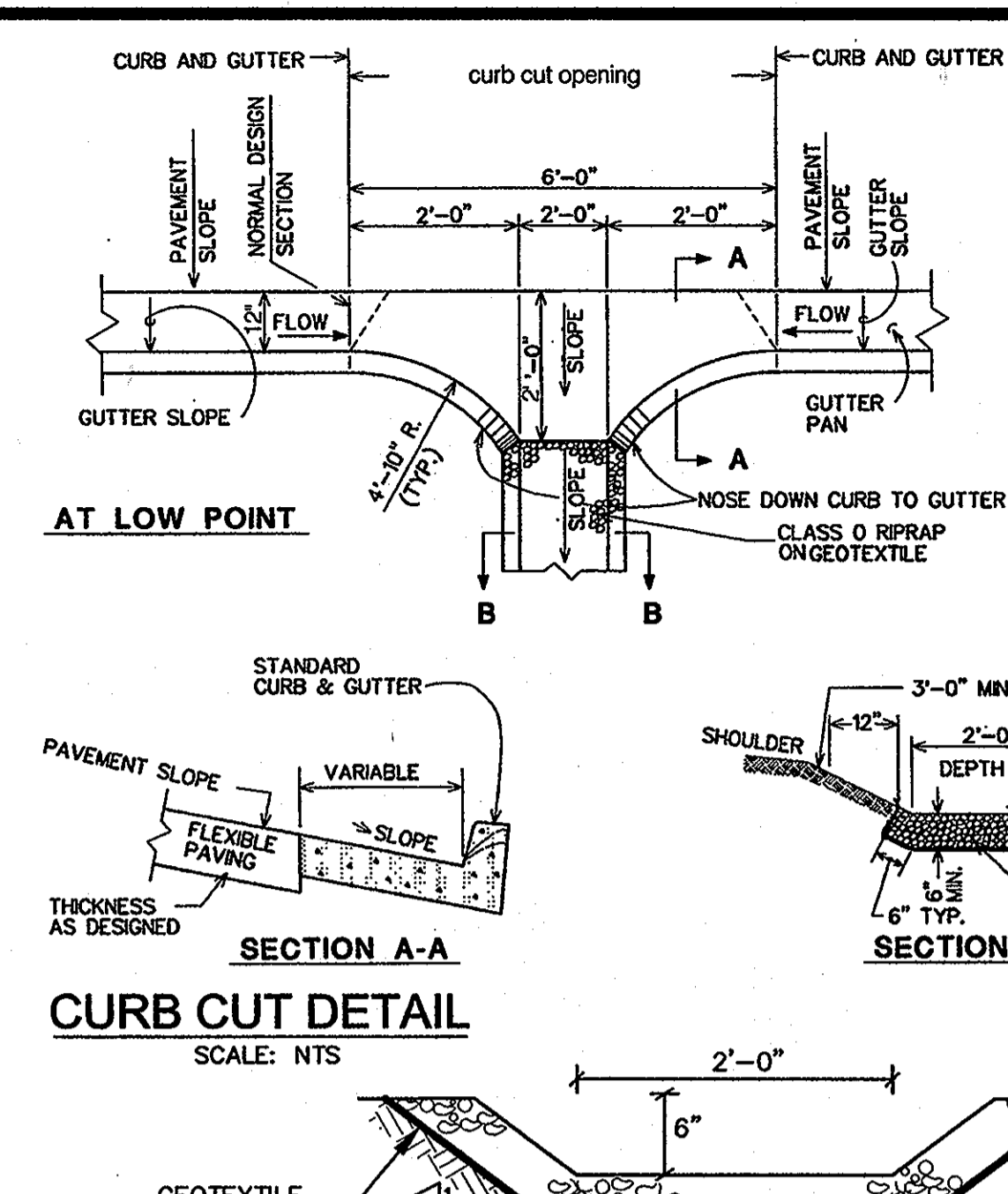
Project: Howard County, Maryland Department of Public Works	Concrete Sidewalk	Detail: R-3.05
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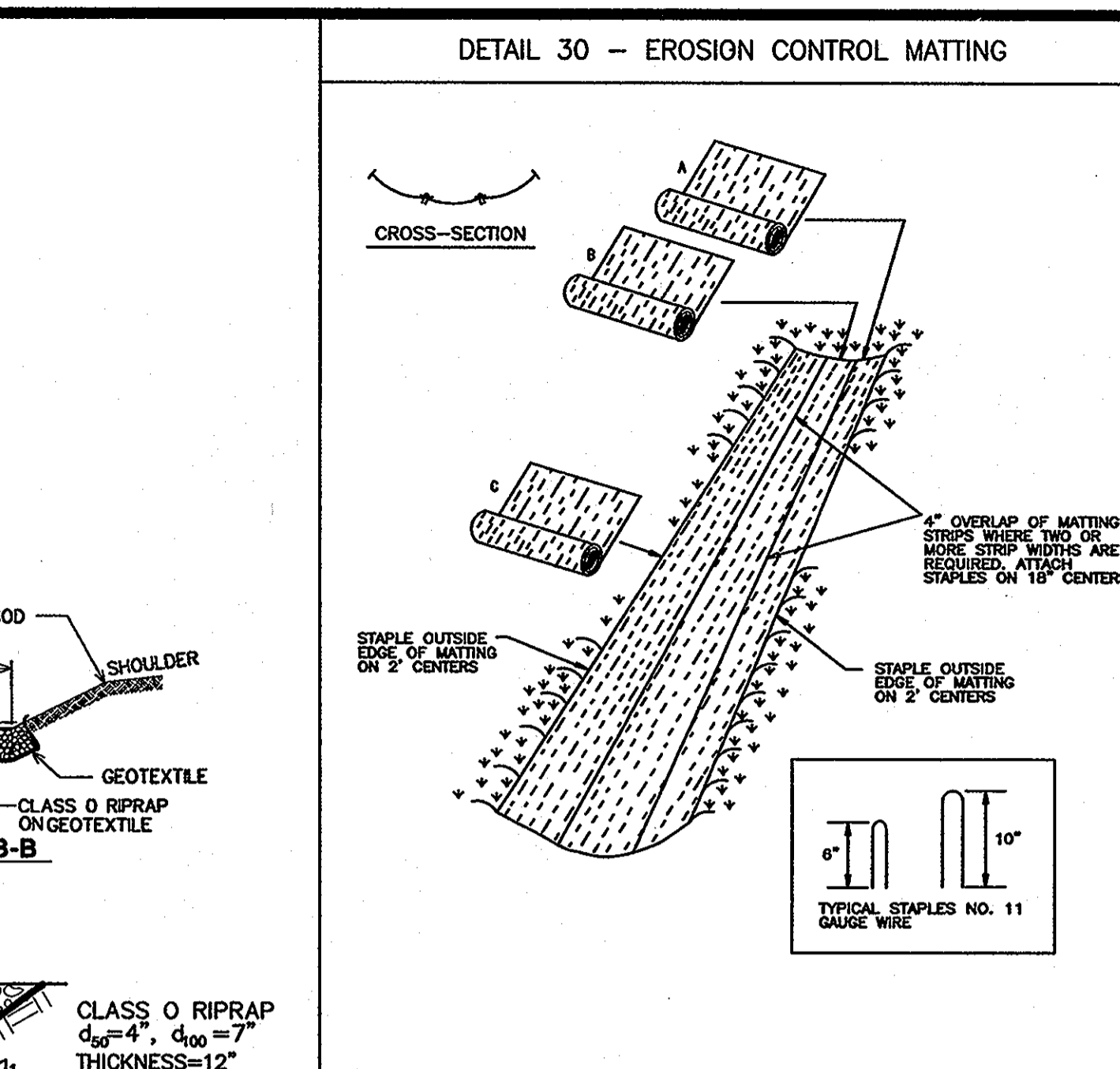
Project: Howard County, Maryland Department of Public Works	CURB AND GUTTER 7" & Modified	Detail: R-3.01
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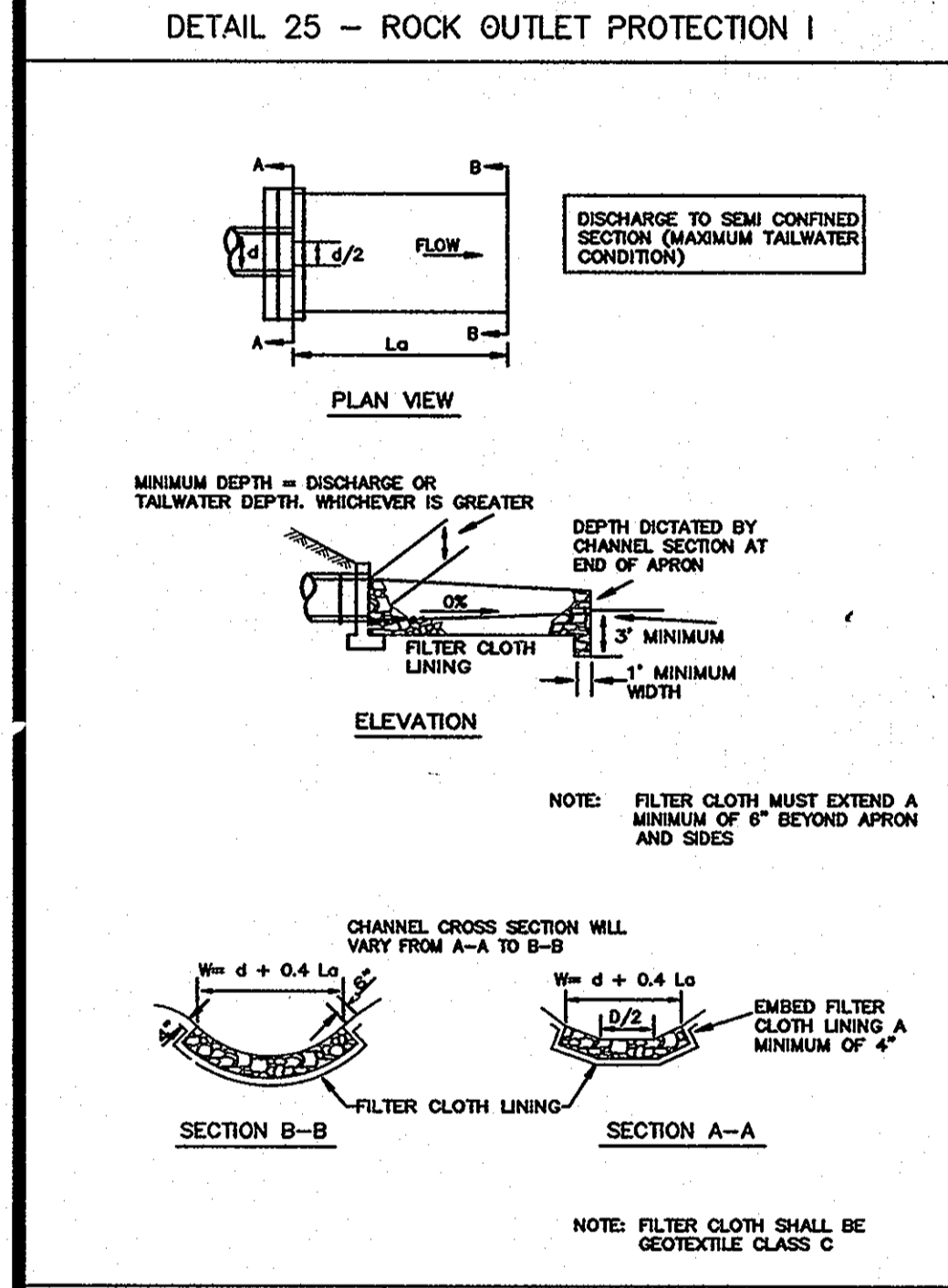
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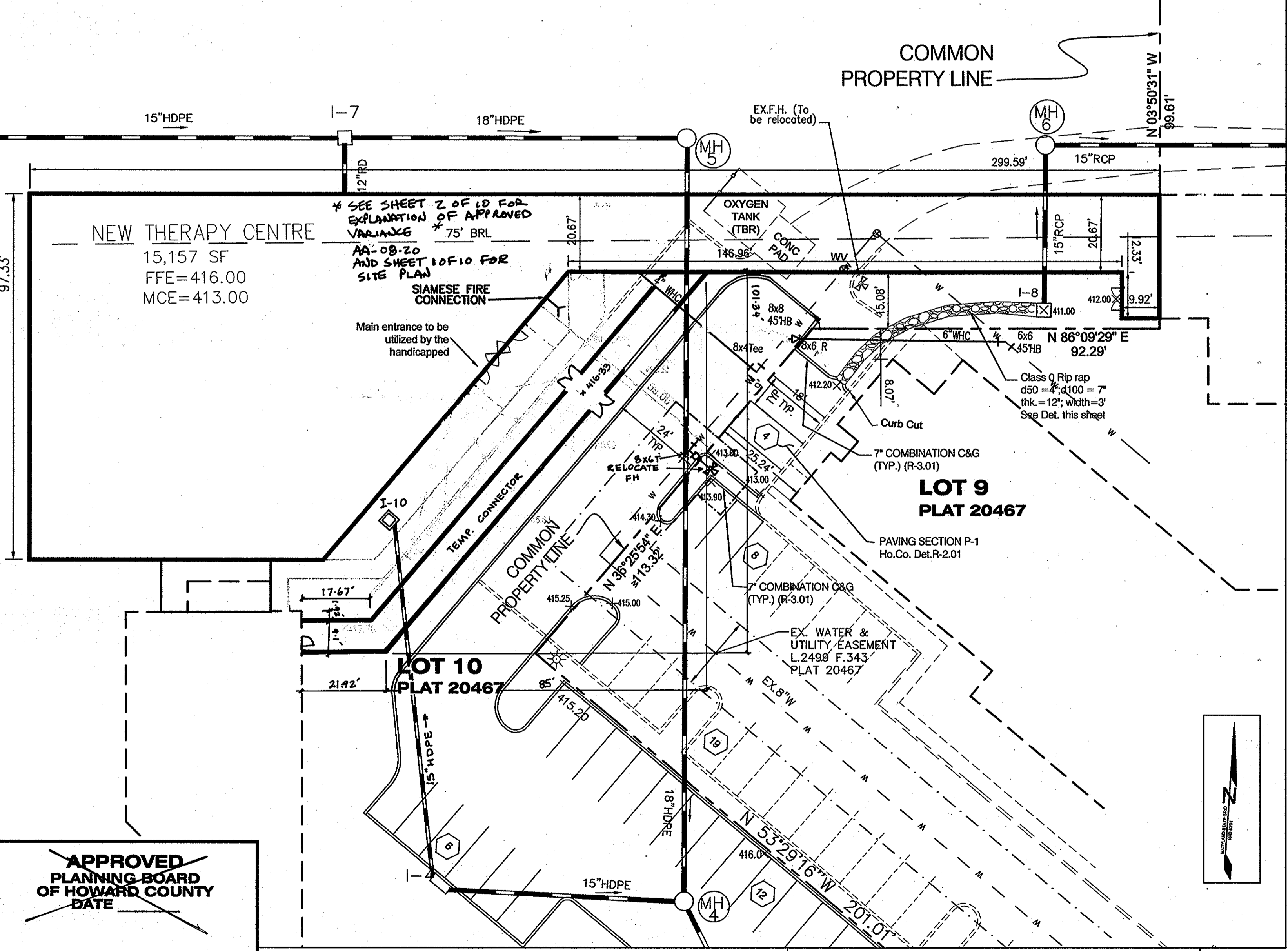
Project: Howard County, Maryland Department of Public Works	CURB AND GUTTER 7" Transition to Modified & Nose Down	Detail: R-3.02
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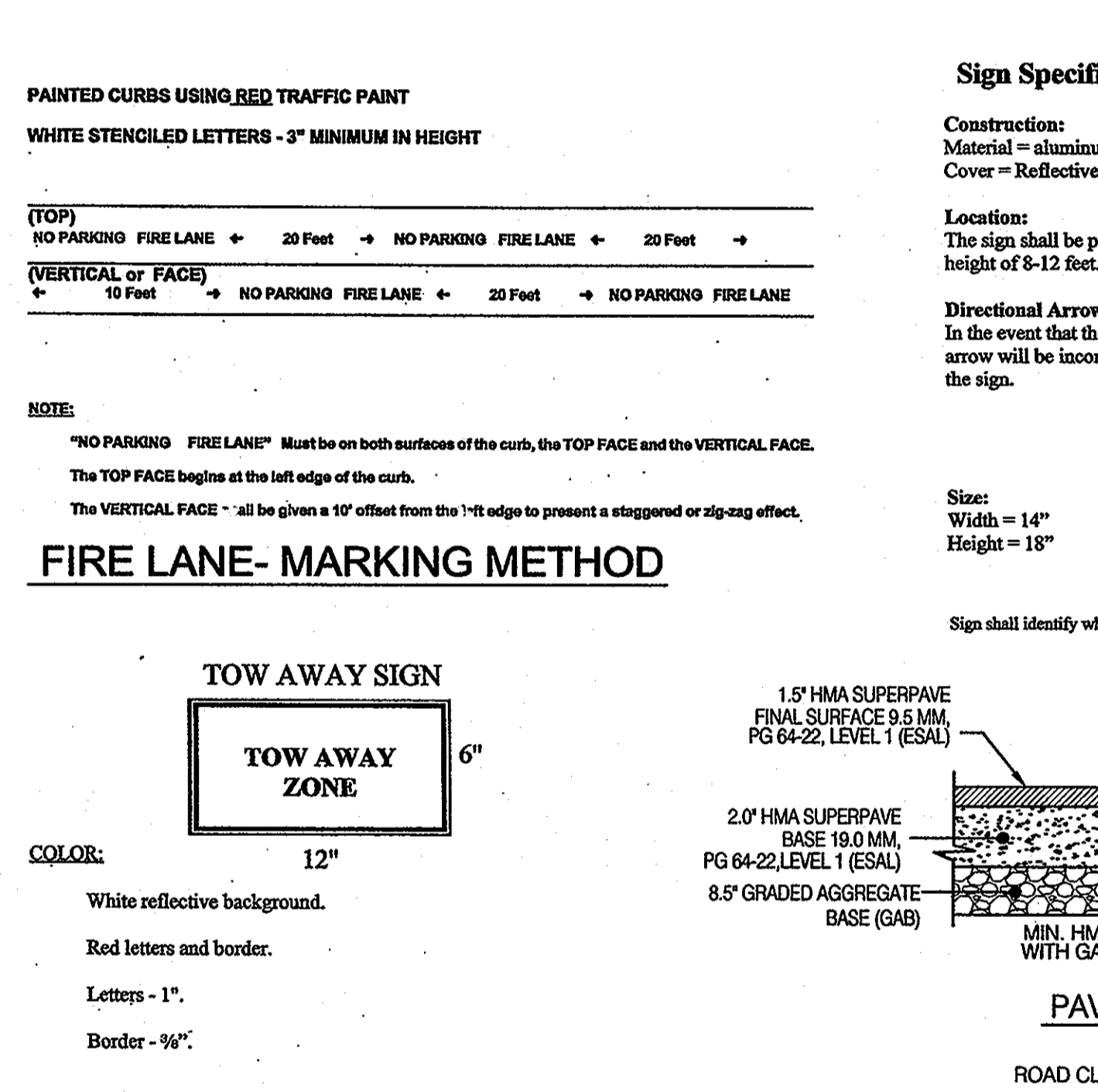
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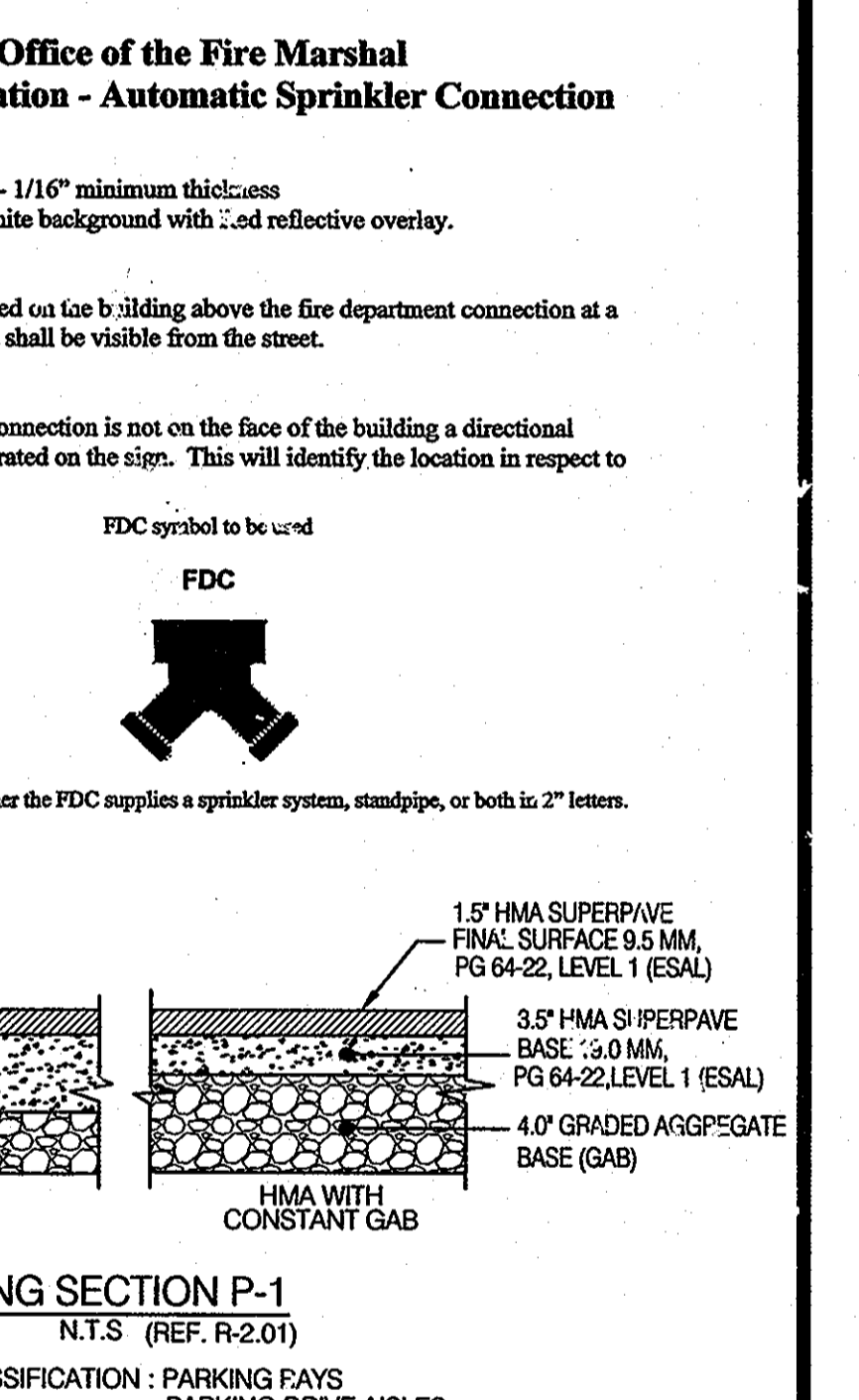
Project: U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE: F-18-8	Project: MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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Project: U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE: F-18-8A	Project: MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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Project: U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE: F-18-8	Project: MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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Project: U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE: F-18-8	Project: MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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APPROVED: DEPARTMENT OF PLANNING AND ZONING

William J. Butler 5/2/09 Date
Chief, Development Engineering Division

Chris Lane 6/1/09 Date
Chief, Division of Land Development

William J. Butler 6/1/09 Date
Director, DEP

DETAIL PLAN

SCALE: 1"=20'

4/28/10 6 Revised FH, Add temporary Connector, I-10

REVISIONS FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

U.S. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

William J. Butler 5/19/09 DATE
HOWARD SOIL CONSERVATION DISTRICT

OWNER: NICKOLAS B. MANGIONE
1205 YORK ROAD, PENTHOUSE
LUTHERVILLE, MD 21093

THE PURPOSE OF THIS DRAWING IS TO ADD SITE DETAILS, EROSION & SEDIMENT CONTROL DETAILS, DETAIL PLAN OF THERAPY CENTER, & FIRE LANE MARKING & SIGN DETAILS

OWNER: NICKOLAS B. MANGIONE
1205 YORK ROAD, PENTHOUSE
LUTHERVILLE, MD 21093

FIRE LANE-SIGN DETAILS

NO PARKING FIRE LANE SIGN

NO PARKING FIRE LANE SIGN

NO PARKING FIRE LANE SIGN

White reflective background.
Red letters and border.
3" - NO PARKING
2" - FIRE LANE
1 1/2" - Directional Arrow
3/4" - Red reflective border

SITE DETAILS-II

BUILDING AND PARKING LOT ADDITION
LORIE NURSING HOME EXPANSION
REVISED SITE DEVELOPMENT PLAN

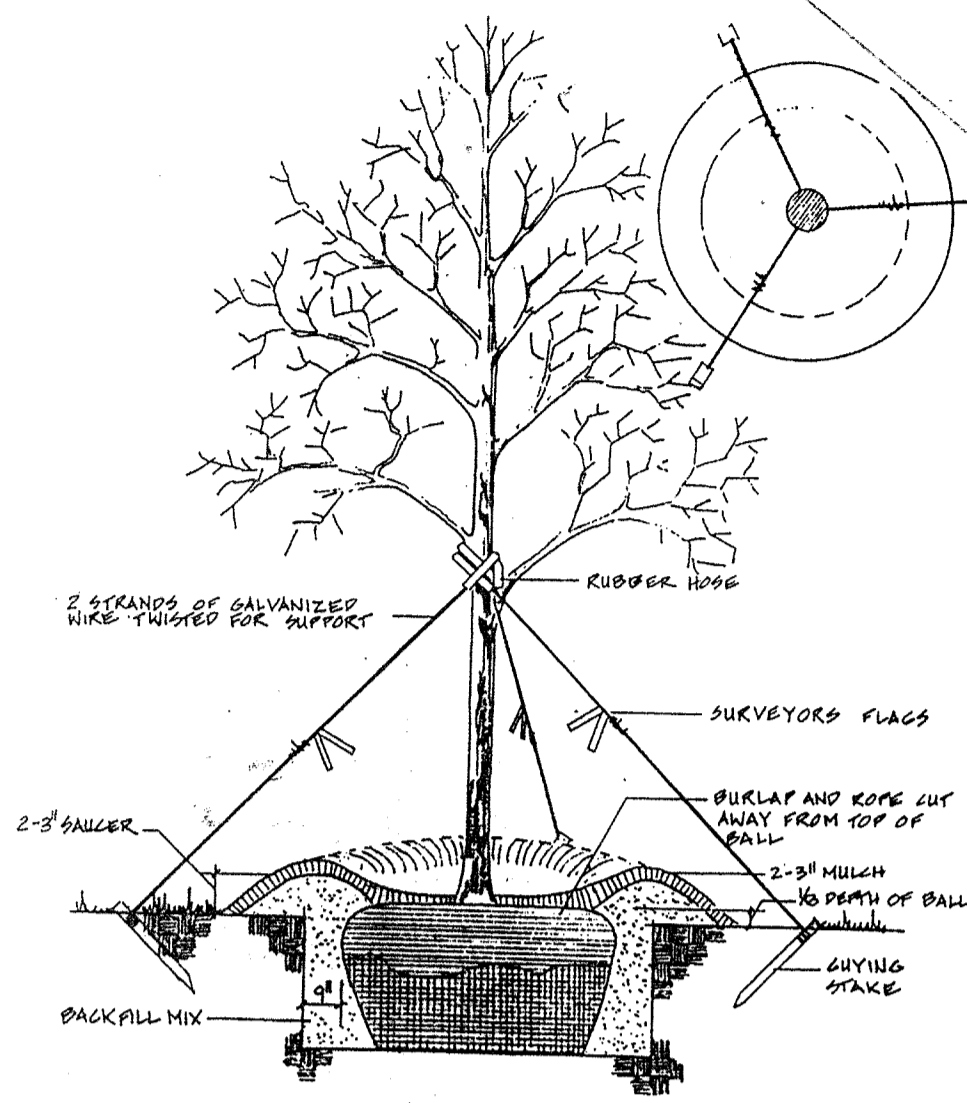
HEPDING PROPERTY SUBDIVISION
PARCEL: 365 LOTS 9 & 10
TAX MAP 35, LIBER 741 FOLIO 52
WATER CODE: E28 SEWER CODE: 5326200
5th ELECTION DISTRICT CENSUS TRACT No. 6053.01 HOWARD COUNTY, MD

KCE ENGINEERING, INC.
EXECUTIVE CENTER
3300 NORTH RIDGE ROAD, SUITE 315
ELLCOTT CITY, MARYLAND 21043
PHONE (410) 203-9800 FAX (410) 203-9228

Professional Certification
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 8516, Expiration Date: 10/17/10

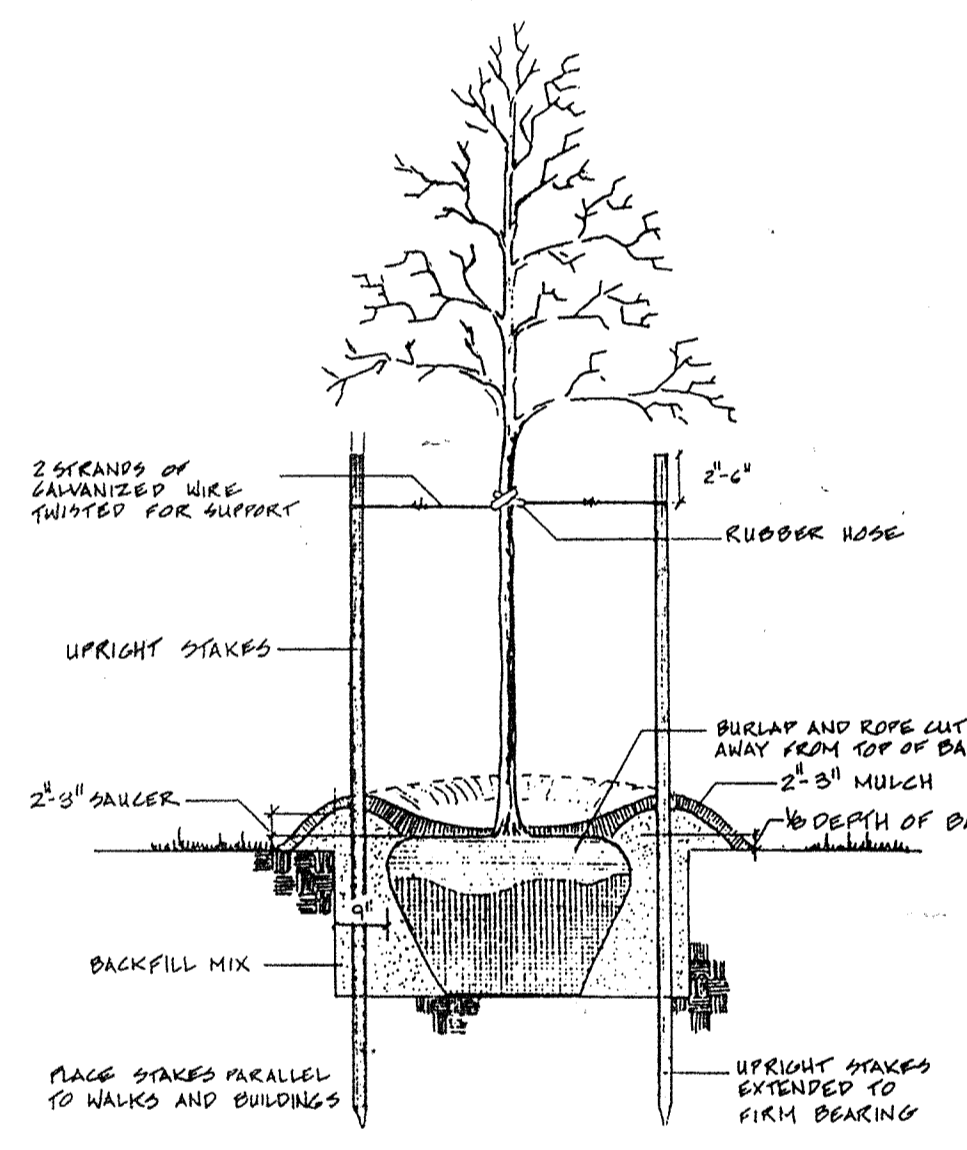
DRAWN BY: MG
CHECKED BY: DVK
SCALE: AS SHOWN
DATE: 04/28/2009

SHEET: 10 OF 10

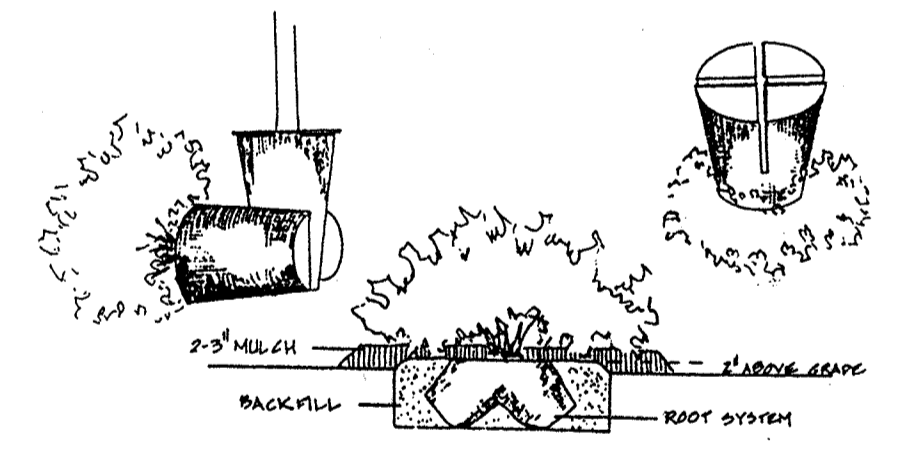


TYPICAL TREE GUYING DETAIL
SEE SUPPORT SCHEDULE

TYPICAL UPRIGHT STAKING DETAIL
SEE SUPPORT SCHEDULE



PLANTING PROCEDURES FOR POK-BOND CONTAINER GROWN PLANTS
 1. REMOVE THE PLANT EITHER BY CUTTING OR INVERTING THE CONTAINER.
 2. USE A KNIFE OR SHARP BLADE TO CUT THROUGH BOTTOM HALF OF THE ROOT BALL.
 3. BUTTERFLY THE ROOT BALL TO BRING THE ROOT SYSTEM CLOSER TO THE SURFACE.
 4. PLANT SHOULD BE 2\"/>



PLANT LIST

QTY	NAME	PLANT NUMBER	SIZE	SPECIFICATIONS
2	BLACK PINE	PINUS STRAUBERII	6'-7'	FULL TO BASE - WITH CHARACTER
64	WHITE PINE	PINUS STROBUS	5'-6'	FULL TO BASE - DENSE - FULL
2	HONEY LOCUST	GLYCERHODIA FLORIBUNDA 'SHADBLUMSTEIN'	2 1/2\"/>	
5	KWANZAN CHERRY	PUNICOPERNA NANA KWANZAN	2 1/2\"/>	
10	KWANZAN CHERRY	CRATAEGUS FLORIBUNDA 'TRUM'	2 1/2\"/>	
4	CRABAPPLE	MALUS FLORIBUNDA	6'-8' HT.	FULL - WIDE - DENSELY BRANCHED HEAD
1	RED MAPLE	ACER RUBRA 'OCTOBER GLORY'	2 1/2\"/>	
2	RED MAPLE	ACER DIFFORME	8'-10' HT.	FULL TO BASE - DENSE + FULL
2	JAPANESE MAPLE	ACER PALMATA 'ATOPURPLEUM' 'BLACK AND'	3'-6' HT.	SPECIMEN - MATCHED - BALANCED HEAD
16	ANDORRA JUNIPER	JUNIPERUS HORIZONTALIS 'PLUMOSA COMPACTA'	15\"/>	
9	WILLOW	SALIX BABYLONICA 'AUREA'	5' 6' HT.	STRAIGHT TRUNK
10	PHOTINIA	PHOTINIA FRAZERI	24\"/>	
27	FORSYTHIA	FORSYTHIA 'LINDSEY GOLD'	3'-4' HT.	MULTI-CANE CLUMP - FULL MULTI-CANE CLUMP - DENSE

APPROVED
 PLANNING BOARD
 HOWARD COUNTY
 DATE: 6-20-90
 dks

APPROVED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.

James H. Allen 7/10/90
 HOWARD COUNTY SOIL CONSERVATION SERVICE

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

Robert J. Ziehm 7/10/90
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

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

James H. Allen 8/13/90
 COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING.

James H. Allen 8/16/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

James H. Allen 8/18/90
 DIRECTOR

James H. Allen 7-28-90
 CHIEF BUREAU OF ENGINEERING

Walter Reynolds
Walter Reynolds

NO.	BY	REVISION	DATE
1	KCB	NEW CANOPY @ BLDG 8, PARKING LOT EXPANDED TO 44 PERIMETER LANDSCAPING ADDED	7/10/90

NOTE:
 LANDSCAPE SURETY IN THE AMOUNT OF \$1,000.00 FOR THE THREE NEW SHADE TREES AND 25 NEW SHRUBS SHALL BE PROVIDED WITH THE GRADING PERMIT APPLICATION FOR CONSTRUCTION OF THE NEW PARKING AREA.

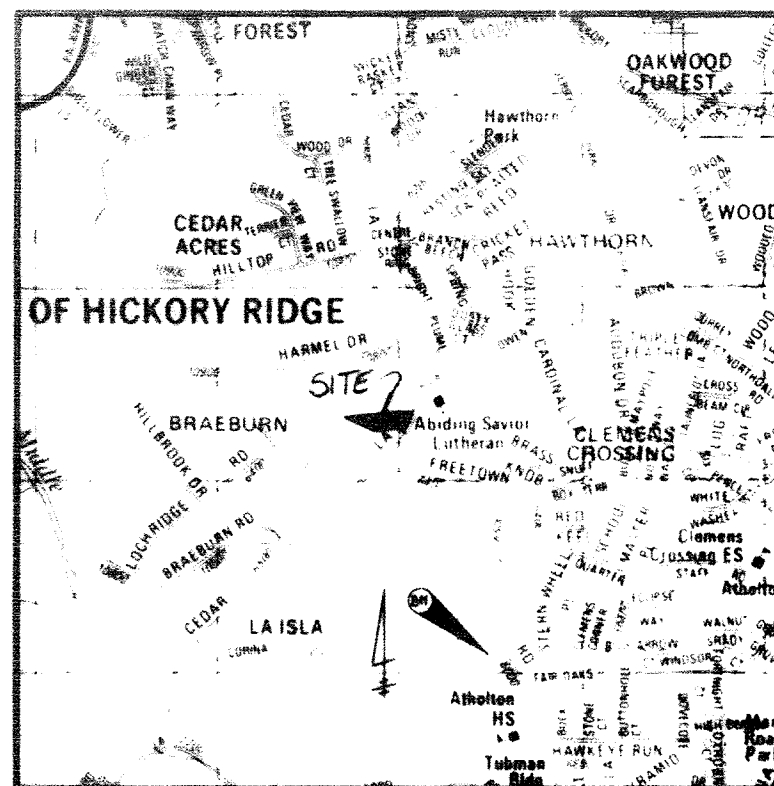
WPA

Walter Reynolds Design Associates Ltd.
 Landscape Architecture and Use Planning
 10409 Trenton Church Road
 Upperco, Maryland 21155
 Phone (301) 239-8881

LANDSCAPE PLAN FOR LORELEIGH HURSING HOME EXPANSION

PROJECT NO. 90-0109
 SHEET 9 OF 9
 DATE: JUNE 20, 1990

SDR-90-109



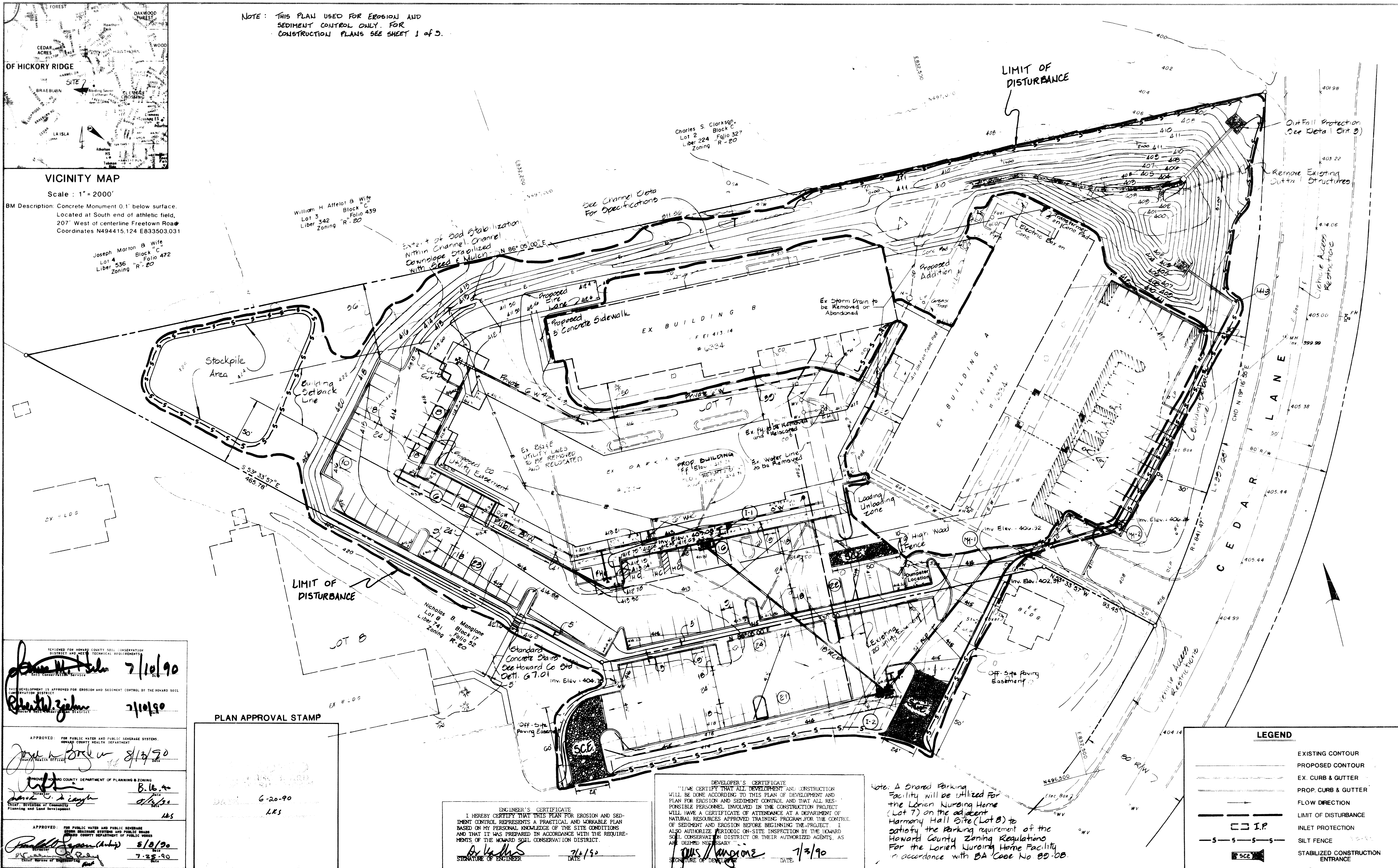
VICINITY MAP

Scale: 1" = 2000'

BM Description: Concrete Monument 0.1' below surface. Located at South end of athletic field, 207' West of centerline Freetown Road. Coordinates N494415.124 E833503.031

Joseph Morton & Wife
Block C
Lot 4
Folio 472
Liber 536
Zoning "R-20"

NOTE: THIS PLAN USED FOR EROSION AND SEDIMENT CONTROL ONLY. FOR CONSTRUCTION PLANS SEE SHEET 1 of 5.



7/10/90
7/10/90

PLAN APPROVAL STAMP

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
8/13/90

APPROVED FOR HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
8/13/90

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
8/13/90

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.

7/2/90

DEVELOPER'S CERTIFICATE
I HEREBY 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 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.

7/3/90

Note: A Shared Parking Facility will be utilized for the Lorien Nursing Home (Lot 7) on the adjacent Harmony Hall Site (Lot 8) to satisfy the parking requirement of the Howard County Zoning Regulations for the Lorien Nursing Home Facility in accordance with BA Code No 80-08.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EX. CURB & GUTTER
- PROP. CURB & GUTTER
- FLOW DIRECTION
- LIMIT OF DISTURBANCE
- INLET PROTECTION
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE

REVISIONS

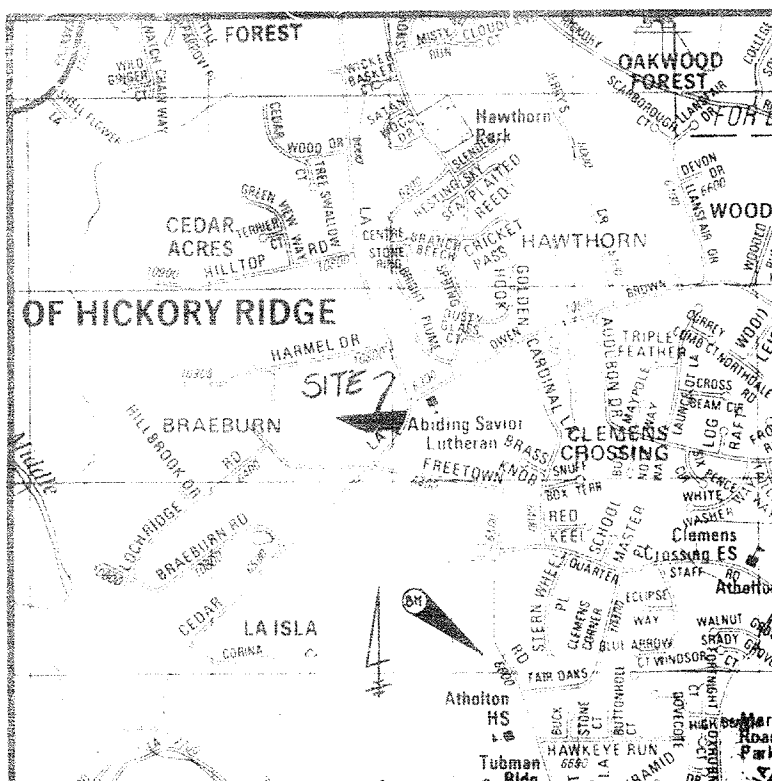
DESIGNED	DATE	DATE	BY	DESCRIPTION
MAL	6/29	7-21-90	KCE	ADD SANDPIT & BLDG & PARKING LOT RE-STRIPPED & EXPANDED
DRAWN	6/29			
CHECKED				
APPROVED				

ENGINEERING TECHNOLOGIES ASSOCIATES, INC.
ENGINEERS, PLANNERS, SURVEYORS
3458 ELLICOTT CENTER DRIVE SUITE 101
ELLICOTT CITY, MD 21043
(301) 461-9920

OWNER / DEVELOPER
NICKOLAS B. MANGIONE
1205 YORK ROAD
LUTHERVILLE, MARYLAND 21093

Erosion & Sediment Control Plan
BUILDING AND PARKING LOT ADDITION
LORIEN NURSING HOME EXPANSION
HEPENDING PROPERTY SUBDIVISION
PARCEL 365 LOT 7 & 8
TAX MAP 35, LIBER 741 FOLIO 52
WATER CODE: E28 SEWER CODE: 8328200
5TH ELECTION DISTRICT GENSUS TRACT NO. 6053.01 HOWARD COUNTY, MD

SCALE 1" = 30' CONTRACT NO. DATE 5/90 SHEET 5 of 5



VICINITY MAP

Scale: 1" = 2000'

BM Description: Concrete Monument 0.1' below surface.
 Located at South end of athletic field,
 207' West of centerline Freetown Road
 Coordinates N494415.124 E833503.031

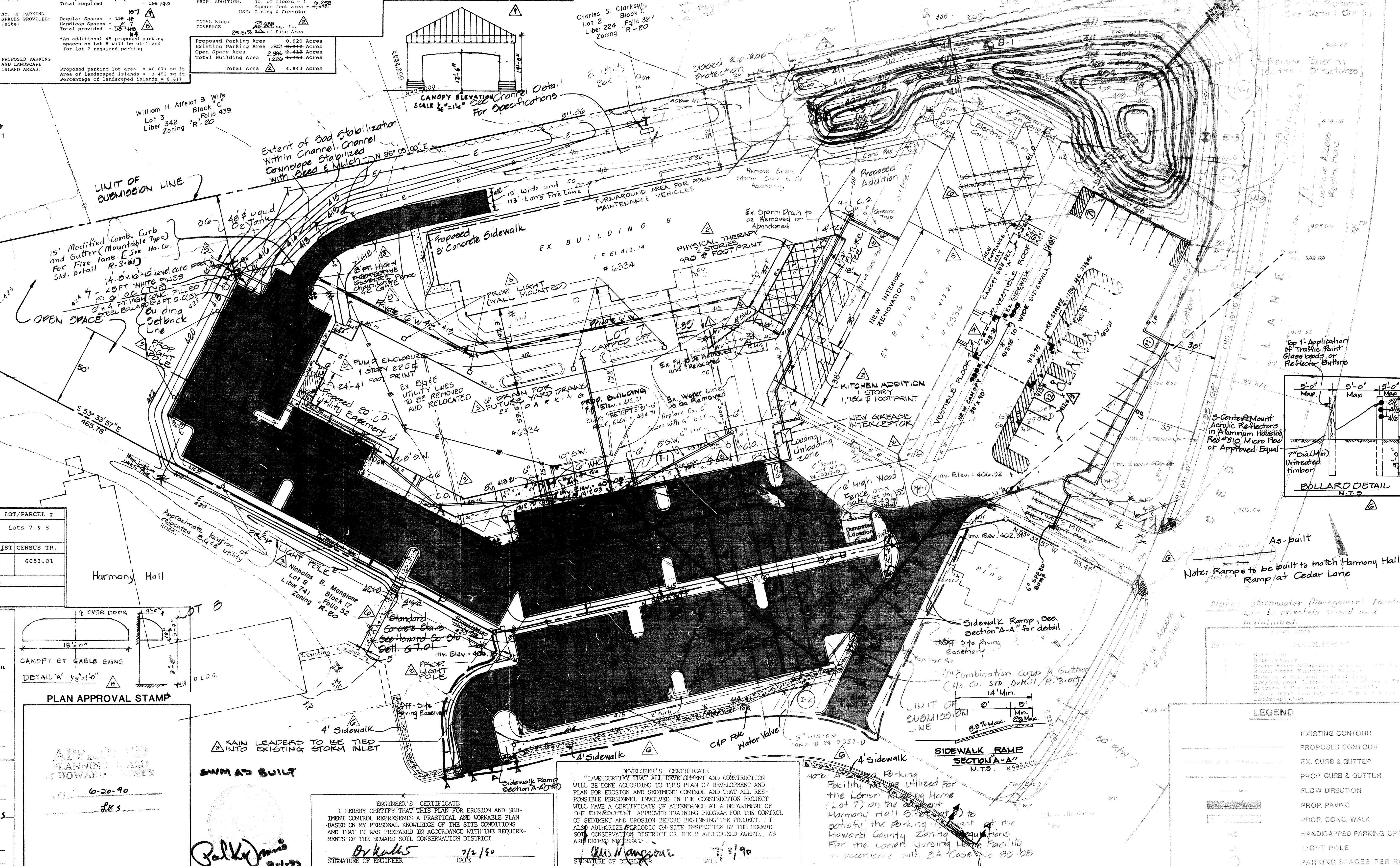
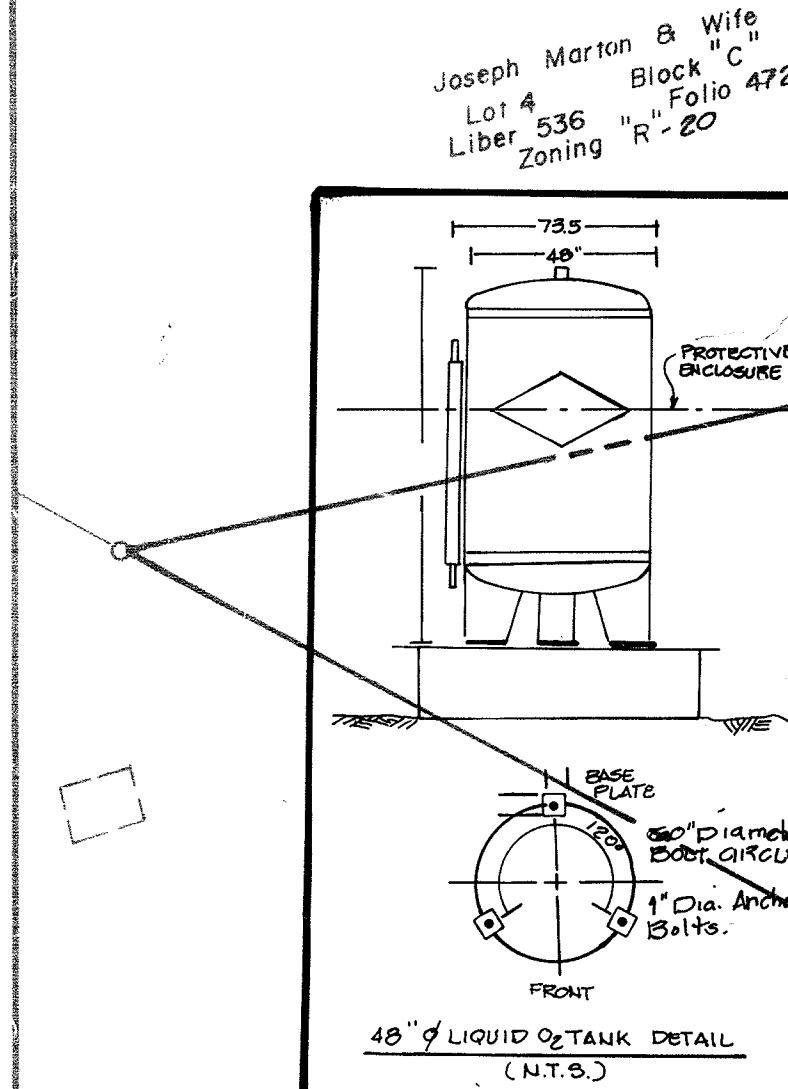
SITE ANALYSIS LOT 7		SITE ANALYSIS LOT 8	
AREA OF PARCEL: (Site Area) 4.843 Ac.; 210,961 sq. ft. (Site Area - Off-site Easement) 5.50 Ac.; 239,980 sq. ft. (Disturbed Area) 3.26 Ac.; 142,006 sq. ft.	OPEN SPACE (Green Area): 2.418 Ac.; 50% of site	AREA OF PARCEL: 31,316 sq. ft. (Residential)	PRESENT ZONING: R-20 (Residential)
PROPOSED USE OF STRUCTURE: Lot 7 POR (Planned Office Research) Nursing Home	EXISTING Bldg A: No. of floors = 2 Square foot area (EA, floor) = 14,012 USE: 1st floor = Admin., Dining, Maintenance & Health Care 2nd floor = Health Care	EXISTING USE OF STRUCTURES: Health Care & Nursing Home	No. of EXISTING PARKING SPACES: 110
MAXIMUM No. OF EMPLOYEES: 79	EXISTING Bldg B: No. of floors = 2 Square foot area (EA, floor) = 14,753 USE: 1st floor = Administration & Health Care 2nd floor = Health Care	No. of EXISTING PARKING SPACES: 45*	*All proposed parking spaces on Lot 8 will be utilized by Lot 7
No. of EX. BEDS: 240 180	PROPOSED Bldg: No. of floors = 2 Square foot area (EA, floor) = 18,400 USE: 1st floor = Admin., Dining, Maintenance & Health Care 2nd floor = Health Care	PROPOSED ADDITION: No. of floors = 1 Square foot area = 6,258 USE: Dining & Corridor	REFERENCE FILE No. 1: S-89-38 SDP-81-24 BA-85-16 PB-259 F-84-26 BA-883 SDP-82-93 SA-89-08 SDP-76
No. of PARKING SPACES REQUIRED (site): 14	TOTAL Bldg: 28,658 sq. ft. COVERAGE: 26.31% of Site Area	PROPOSED PARKING AREA: 0.920 Acres	
No. of PARKING SPACES PROVIDED (site): 300	TOTAL PROVIDED: 107	EXISTING PARKING AREA: .201 Acres	
NO. OF PARKING SPACES PROVIDED (site): 300	One space per 3 beds = 80 One space per 2 employees = 40 Total required = 120	OPEN SPACE AREA: 2.296 Acres	
	Regular Spaces = 107 Handicap Spaces = 14 Total provided = 121	TOTAL BUILDING AREA: 1,226 Acres	
	*An additional 45 proposed parking spaces on Lot 8 will be utilized for Lot 7 required parking	TOTAL AREA: 4.843 Acres	
PROPOSED PARKING AND LANDSCAPE ISLAND AREAS:			
	Proposed parking lot area = 40,071 sq. ft. Area of landscaped islands = 3,452 sq. ft. Percentage of landscaped islands = 8.61%		

LOT NUMBER	STREET ADDRESS
7	6334 Cedar Lane
8	6336 Cedar Lane

NOTE: Exact location of existing utility lines is shown on this plan. The contractor is to be responsible for the location and depth of all existing utility lines. Construction must be repaired at the cost of the contractor.

NOTE: A BUILDING PERMIT FOR THE PROPOSED ENTRY, PARKING & SIDEWALK IMPROVEMENTS SHALL BE APPLIED FOR WITHIN 1 YEAR MEASURED FROM THE DED APPROVAL LETTER FOR THIS REDLINE REVISION.

A BUILDING PERMIT FOR THE PROPOSED CANOPY SHALL BE APPLIED FOR WITHIN 1 YEAR MEASURED FROM THE DED APPROVAL LETTER FOR THIS REDLINE REVISION.



SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #		
Lorien Nursing Home Nursing Property	N/A	Lots 7 & 8		
PLAT # OR L/F BLOCK #	ZONE	TAX/ZONE MAP	ELEC DIST	CENSUS TR.
5583 17	R-20	35	5th	6053.01
WATER CODE	SEWER CODE			
E28	5326200			

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

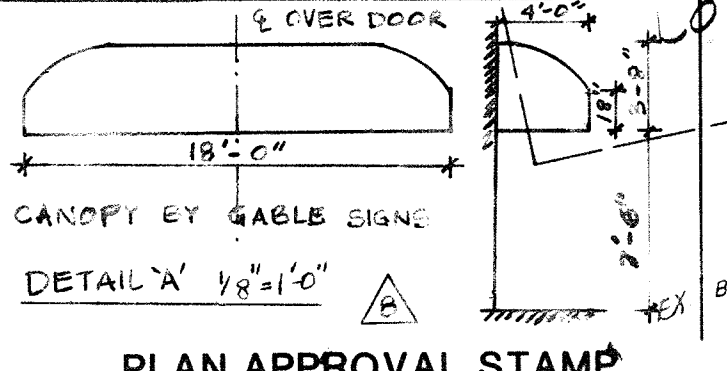
7/1/90

7/10/90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. 8/13/90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING. 8.16.90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. 8/15/90



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 COUNTY SOIL CONSERVATION DISTRICT.

Signature: B. Kalkis
 Date: 7/2/90

DEVELOPER'S CERTIFICATE

I HAVE CERTIFIED 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 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 OR THEIR AUTHORIZED AGENTS, AS AND WHEN NECESSARY.

Signature: Nicholas B. Mangione
 Date: 7/2/90

DESIGNED	DATE
MAL	5/89
DRAWN	DATE
SGP	3/89
CHECKED	DATE
APPROVED	DATE

REVISIONS		REVISIONS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
4-1-90	SGP	Prop. S.O. Manhole is eliminated	11-25-92	R.M.C.	Revised Sidewalk, Sidewalk Ramps, Fence.
8-30-91	SGP	Addition of Kitchen and Physical Therapy	9-1-93	PCF	SWM AS BUILT
9-24-91	MCK	Addition of Pump Enclosure, Corridor, Gutter Interceptor & Relocation of Light Poles.	12-2-95	KCE	PARKING TAPULATION REVISIONS
9-22-92	MCK	Addition of Vestibule floor & roof, 4" curb, w/prop curb & 2" curb opening.	7-31-06	KCE	NEW CANOPY @ BLDG 8 PARKING LOT EXPANDED & RESTRAINED
10-28-92	R.M.C.	ADDITION OF PUMP ENCLOSURE FLOOR, ROOF CURB, ETC.			

ENGINEERING TECHNOLOGIES ASSOCIATES, INC.

ENGINEERS, PLANNERS, SURVEYORS

3458 ELLICOTT CENTER DRIVE SUITE 101
 ELLICOTT CITY, MD. 21043
 (301) 461-9920

OWNER / DEVELOPER

NICKOLAS B. MANGIONE
 1205 YORK ROAD
 LUTHERVILLE, MARYLAND 21093

SWM AS BUILT

Site Development Plan

BUILDING AND PARKING LOT ADDITION
LORIE NURSING HOME EXPANSION
 NURSING PROPERTY SUBDIVISION
 PARCEL 385 LOT 7 & 8
 TAX MAP 35, LIBER 741, FOLIO 82
 WATER CODE: 280 SEWER CODE: 9289900

5th ELECTION DISTRICT GENSUB TRACT NO. 6085.01 HOWARD COUNTY, MD.

SCALE 1" = 30' CONTRACT NO. 530 SHEET 1 of 2