

SHEET INDEX	
NO	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	DRAINAGE AREA MAP, GRADINGS & SEDIMENT CONTROL PLAN
4	PROFILES
5	DETAILS
6	LANDSCAPE PLAN

# SITE DEVELOPMENT PLAN

# GODDARD SCHOOL

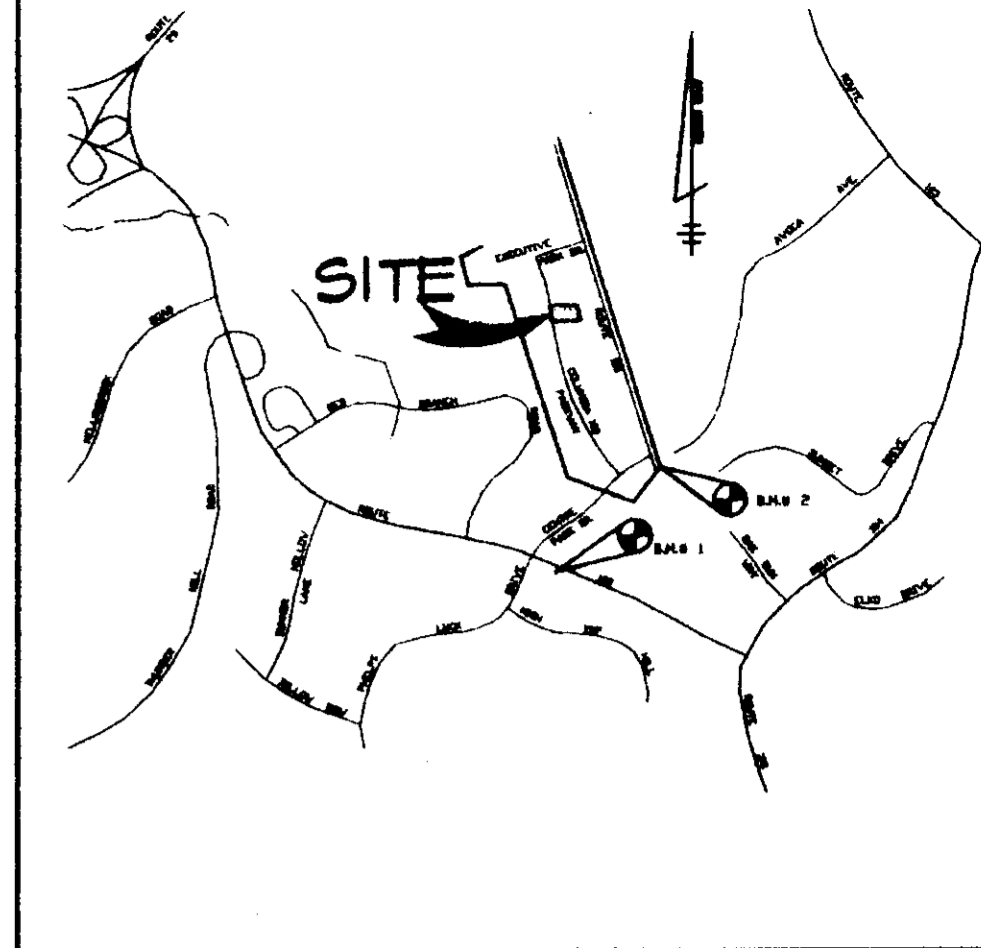
## 2nd ELECTION DISTRICT

## HOWARD COUNTY, MARYLAND

**BENCHMARKS**

BM #1  
 HO. CO. B. M. 30FB ELEV. 500.632'  
 N 57°03'42.0" E 1365194.13

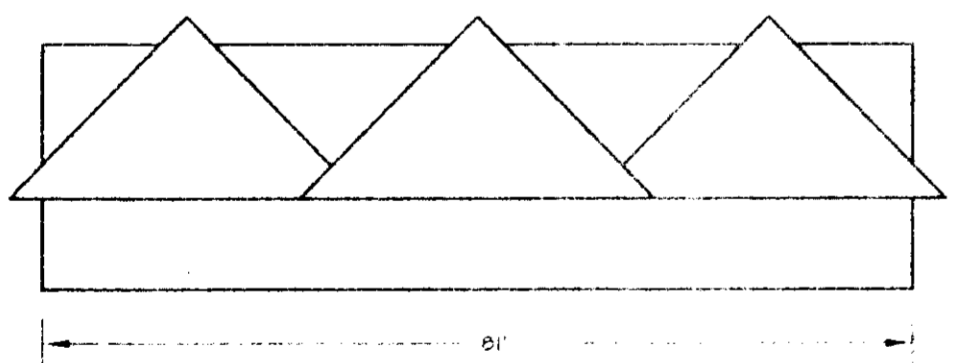
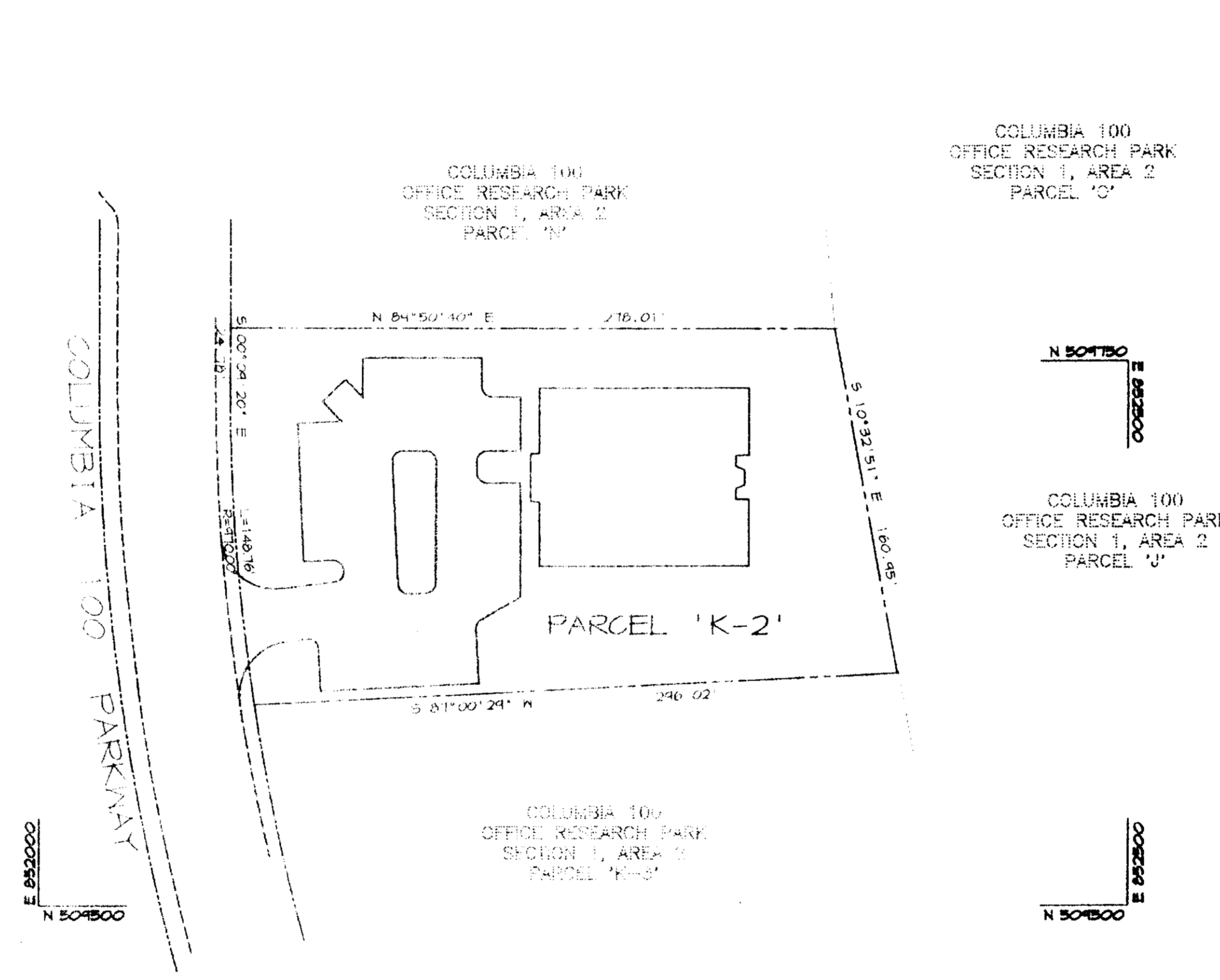
BM #2  
 HO. CO. B. M. 30FC ELEV. 386.421'  
 N 57°24'16.53" E 1364670.11



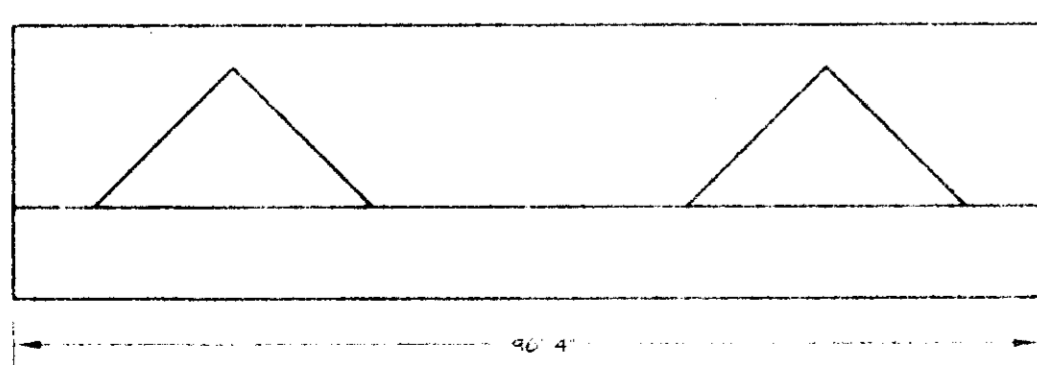
**VICINITY MAP**  
 SCALE: 1" = 2000'

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING, CONSTRUCTION INSPECTION DIVISION AT (410) 303-1850 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THIS UTILITY AT (1-800-281-1111) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY REFER HEREON AND DATED JULY, 1996.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS 307D AND 307C WERE USED FOR THIS PROJECT.
- WATER IS SUPPLIED BY A PUBLIC LINE. CONTRACT NO. 24-1500-D. METER IS INSIDE.
- SEWER IS PROVIDED BY A PUBLIC LINE. SEWER DRAINAGE AREA. RTE. JOB PUMPING STATION. CONTRACT NO. 24-1500-D.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION.
- SUBJECT PROPERTY ZONED FOR P.U.R. 10-B-15 COMPREHENSIVE ZONING PLAN.
- ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM 1929.
- SEE DEPARTMENT OF PLANNING AND ZONING FILE NOS. P-87-02, P-57-12. SEE RECLINE REVISIONS TO P-87-02 SHM DATED MAY 10, 1996.
- THE CONTRACTOR SHALL TEST FIT EXISTING UTILITIES AT LEAST (30) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.
- ALL STORM DRAIN PIPE SIZES SHALL BE CLASS 'C' AS SHOWN IN FIG. 11-4 VOLUME I OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE NOTED.
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, 1.8. STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION LATEST AMENDMENTS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO T100.
- STORMWATER MANAGEMENT QUANTITY AND QUALITY CONTROL IS PROVIDED OFF-SITE IN REGIONAL RETENTION FACILITY BUILT UNDER F-87-02.



**FRONT ELEVATION**  
 NO SCALE



**SIDE ELEVATION**  
 NO SCALE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*[Signature]* 10/24/96  
 DIRECTOR DATE

*[Signature]* 10/23/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 10/23/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

DATE NO.	REVISION

<b>OWNER:</b> M.J.F. ASSOCIATES LIMITED PARTNERSHIP C/O PATRICK MCGUIN THE K & H BUILDINGS SUITE 312 3550 STERRETT PLACE COLUMBIA, MARYLAND 21044 (410) 750-4011	<b>DEVELOPER:</b> LANCIELLOTTA AND ASSOCIATES, INC. 5052 DORSEY HALL DRIVE SUITE 202 ELLCOTT CITY, MARYLAND 21042 (410) 750-6601
--	---

**PROJECT:** GODDARD SCHOOL  
 A DAY-CARE FACILITY

**AREA:** COLUMBIA 100 OFFICE RESEARCH PARK SECTION 1 AREA 2  
 TAX MAP 30 PARCEL K-2  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**TITLE:** TITLE SHEET

**RIEMER MUEGGE & ASSOCIATES, INC.**  
 Planners • Engineers • Surveyors  
 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045  
 410-997-8900 FAX: 410-997-9282

**ADDRESS CHART**

LOT NO.	STREET ADDRESS
K-2	BBGG COLUMBIA 100 PARKWAY

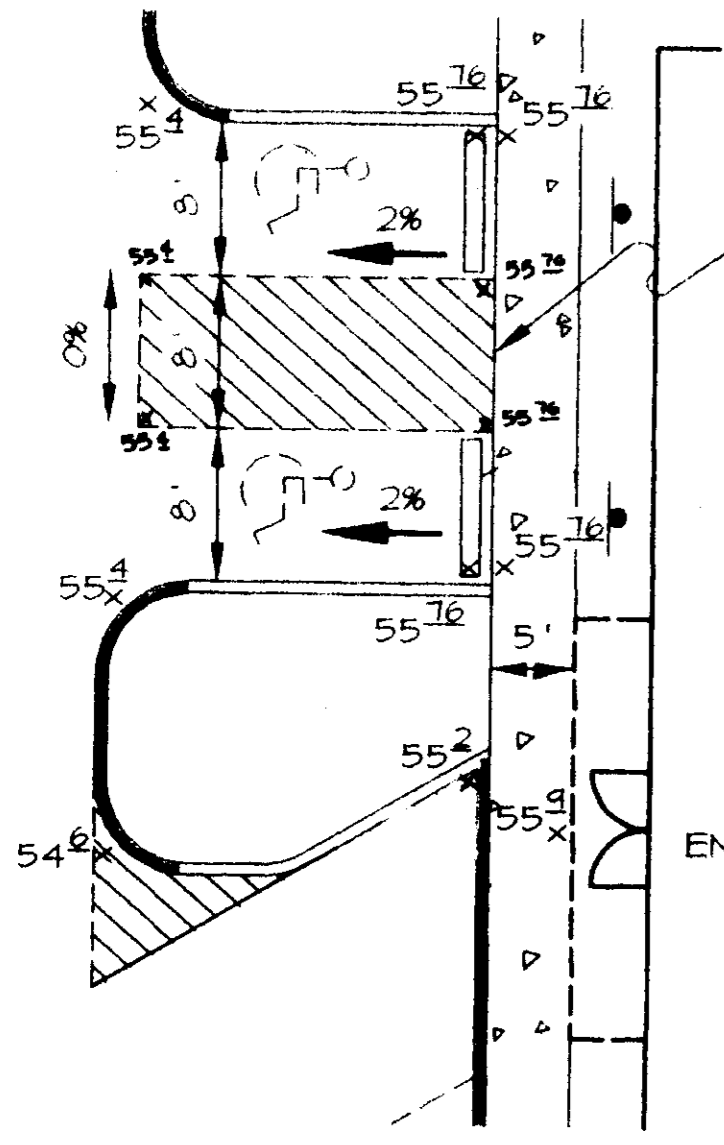
COLUMBIA 100 OFFICE RESEARCH PARK		SECTION: 1/2	PARCEL: K-2
PLAT: 12386	BLOCK: 18	ZONING: P.O.R.	TAX MAP NO.: 30
ELECT. DIST.: 2nd		CROSS STREET: 6023.02	
WATER CODE: 602	SEWER CODE: 5651400		

10-16-96

*[Signature]*

JAYKANT D. PAREKH #19148

F-87-02 F-97-48  
 DESIGNED BY: JTD  
 DRAWN BY: BLW/SAJ  
 PROJECT NO: 116\_017 SHI.DWG  
 DATE: OCTOBER 16, 1996  
 SCALE: AS SHOWN  
 DRAWING NO. 1 OF 6



**HANDICAP ACCESS DETAIL**  
SCALE: 1"=10'

**LEGEND**

- CONCRETE WALK AND PADS
- REVERSE CURB & GUTTER
- EX. TREE LINE
- PROP. TREE LINE
- PROP. PICKET FENCE

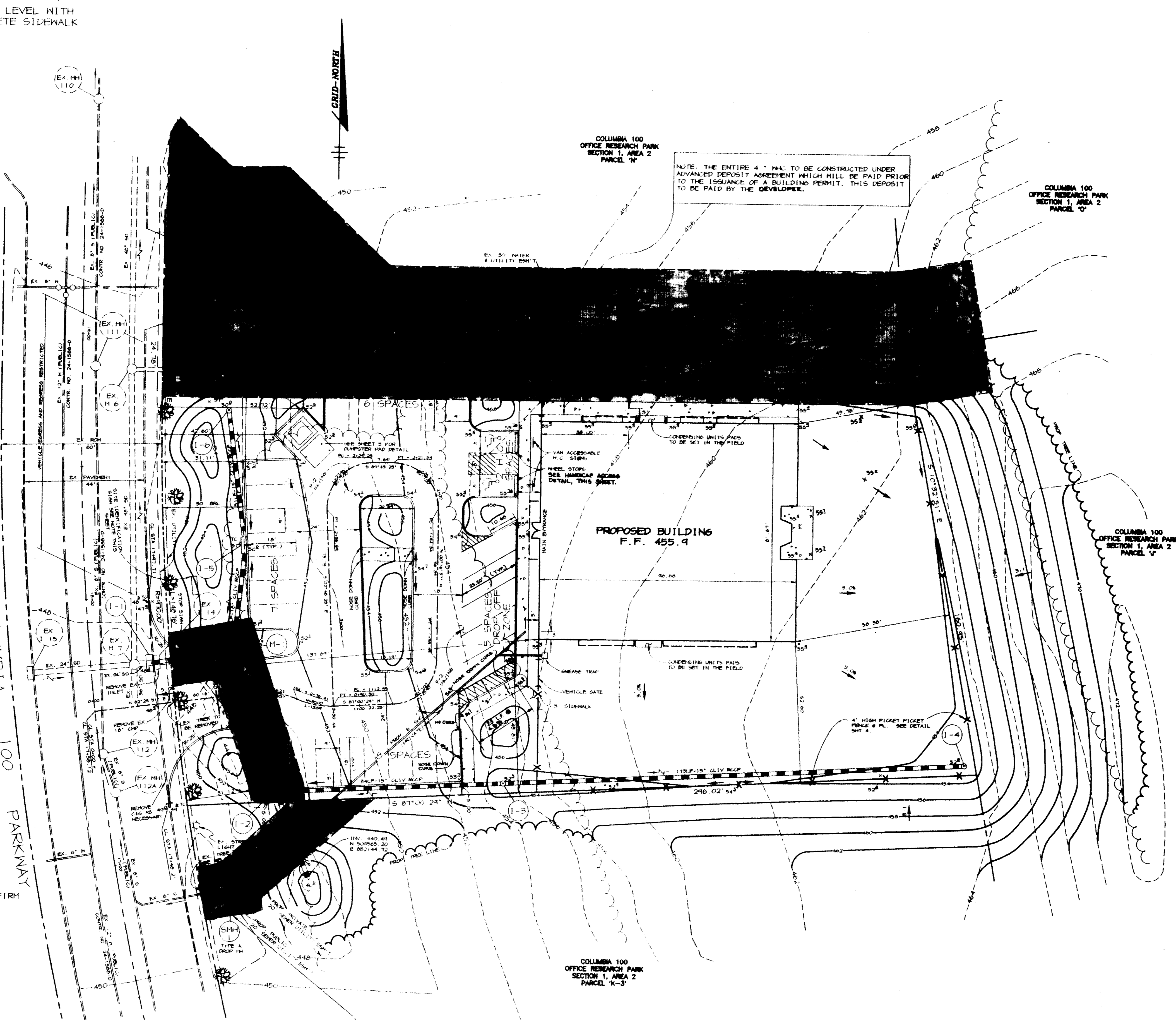
**NOTES**

1. ALL CURB RADI 5' UNLESS OTHERWISE NOTED.
2. ALL CURB IS STD C46 UNLESS OTHERWISE NOTED.
3. ALL CROSSINGS WITH EXISTING UTILITIES ARE TO BE TEST PITTED PRIOR TO CONSTRUCTION TO CONFIRM INVERT ELEVATIONS AND HORIZONTAL ALIGNMENT.
4. CONTRACTOR TO TEST PIT EXISTING 6" SEWER HOUSE CONNECTION TO VERIFY INVERT ELEVATION AND HORIZONTAL LOCATION.

COLUMBIA 100 PARKWAY  
(A HOWARD COUNTY PUBLIC ROAD)

N 504750  
E 092000

N 504500  
E 092000



NOTE: THE ENTIRE 4" H.I. TO BE CONSTRUCTED UNDER ADVANCED DEPOSIT AGREEMENT WHICH WILL BE PAID PRIOR TO THE ISSUANCE OF A BUILDING PERMIT. THIS DEPOSIT TO BE PAID BY THE DEVELOPER.

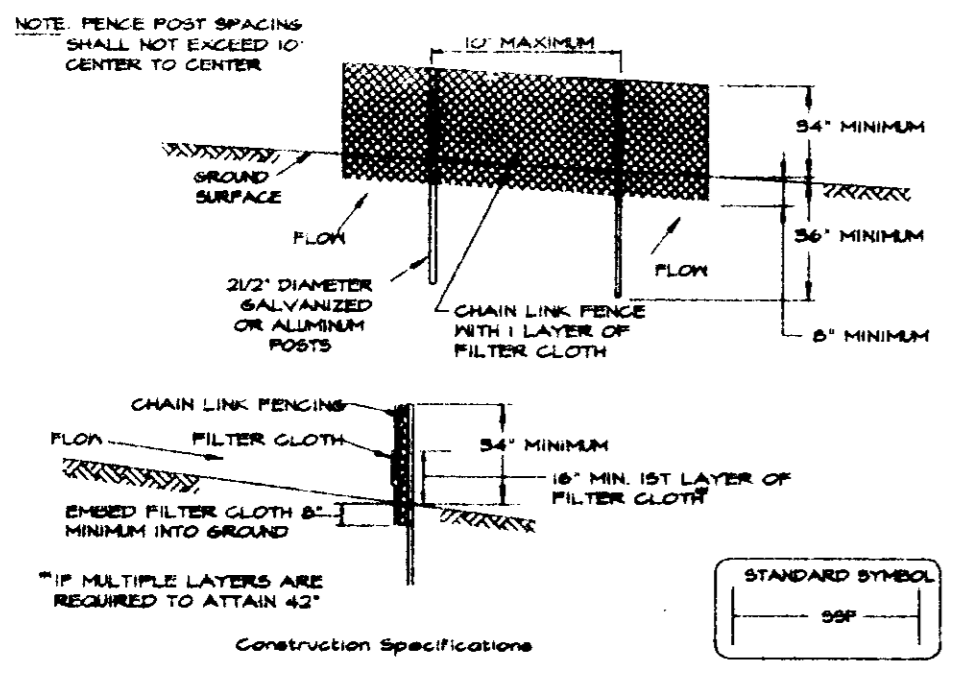
NOTE: SH-1 AND ALL PROPOSED 6" SEWER LOCATED WITHIN THE 20' PUBLIC SEWER AND UTILITY EASEMENT WHICH WILL BE PAID PRIOR TO THE ISSUANCE OF A BUILDING PERMIT. THIS DEPOSIT TO BE PAID BY THE DEVELOPER.

**DESCRIPTION & SPECIFICATIONS OF THE GODDARD PRIMARY SITE IDENTIFICATION SIGN**

A FIVE COLOR DOUBLE FACED ALUMINUM POST PANEL SIGN. THIS IS MANUFACTURED FROM HEAVY DUTY 6063T ALLOY ALUMINUM EXTRUSIONS IN ADHERENCE TO ALUMINUM ASSOCIATION STANDARDS. THE SIGN BODY POSTS HAVE A 1/8" WALL THICKNESS. THE SIGN FACES ARE CONSTRUCTED OF 0.80 OF THIS ALUMINUM. THIS IS A RECTANGULAR SIGN MOUNTED ON A MASONRY BASE. THE OVERALL SIZE OF THE SIGN IS 4'x6' WITH THREE LINES OF TRACK LETTERING.

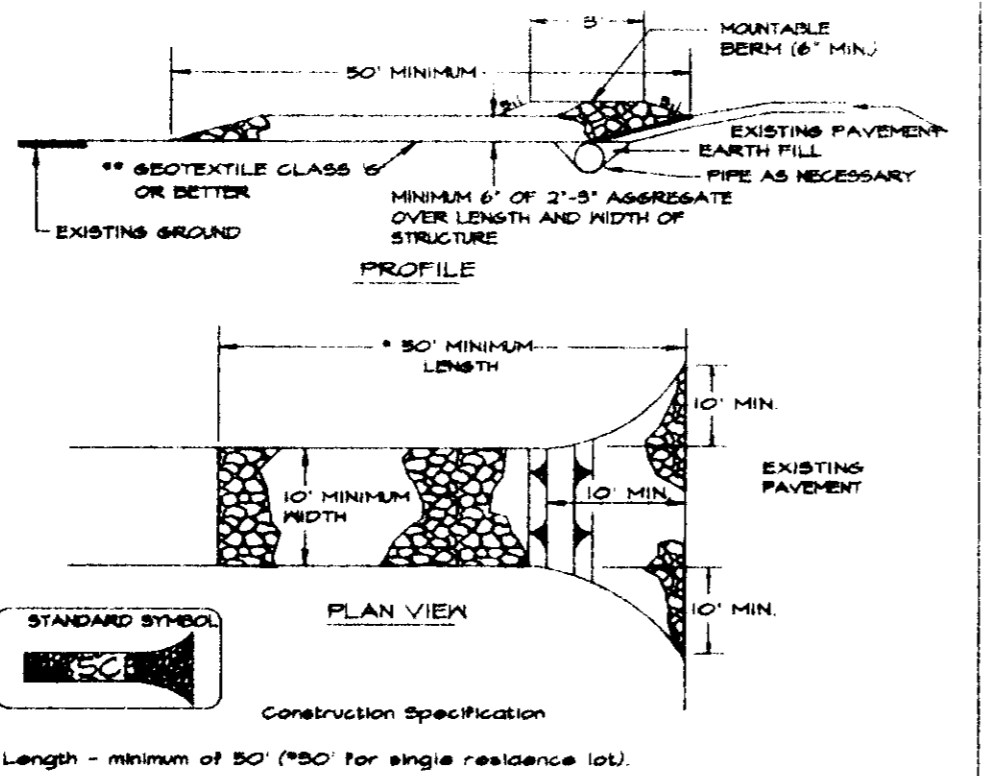
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>[Signature]</i> DIRECTOR	10/24/96 DATE
<i>[Signature]</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	10/24/96 DATE
<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH	10/24/96 DATE
DATE NO.	REVISION
OWNER: M.L.F. ASSOCIATES LIMITED PARTNERSHIP C/O PATRICK MCGUIN THE R & H BUILDING SUITE 202 3880 STERRETT PLACE COLUMBIA, MARYLAND 21044 (410) 750-4041	DEVELOPER: LANCLOTTA AND ASSOCIATES, INC. 5052 DORSEY HALL DRIVE SUITE 202 ELLICOTT CITY, MARYLAND 21042 (410) 750-4007
PROJECT: <b>GODDARD SCHOOL A DAY-CARE FACILITY</b>	
AREA: COLUMBIA 100 OFFICE RESEARCH PARK SECTION 1, AREA 2 TAX MAP 80 PARCEL K-2 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE: <b>SITE DEVELOPMENT PLAN</b>	
RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 5818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX: 410-997-9282	
10-16-96 DATE	F-07-02 F-97-48
	DESIGNED BY: JTD
<i>J. Farrell</i>	DRAWN BY: SAJ
JAYKANT/D. PAREKH 114148	PROJECT NO: 146-017 SMTZD795
	DATE: OCTOBER 16, 1996
	SCALE: 1" = 20'
	DRAWING NO. 2 OF 6

**DETAIL 23 - SUPER SILT FENCE**



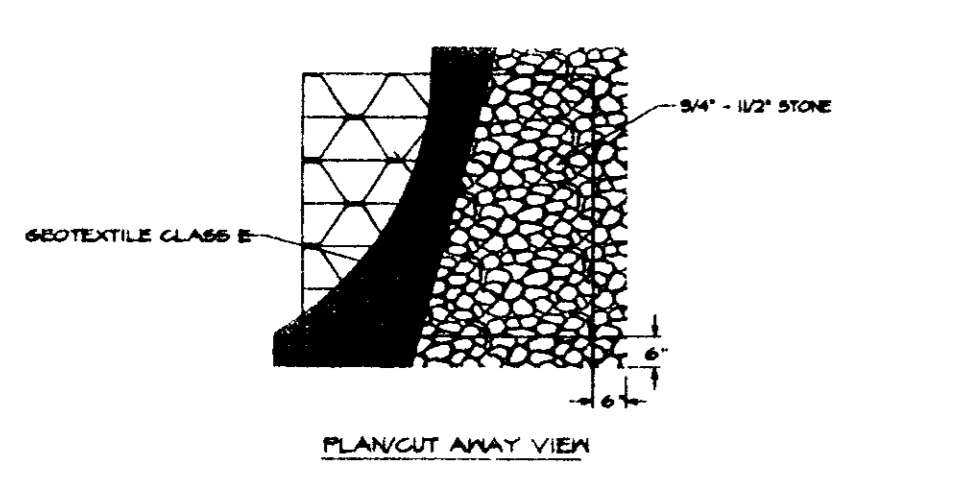
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-16-96 MARYLAND DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

**DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE**



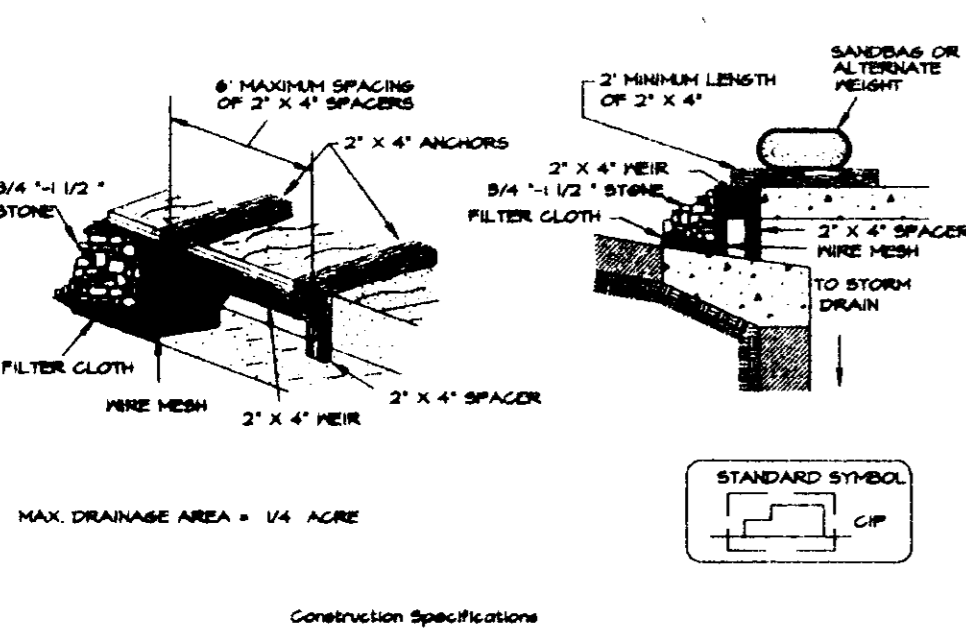
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-17-95 MARYLAND DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

**DETAIL 23B - AT GRADE INLET PROTECTION**

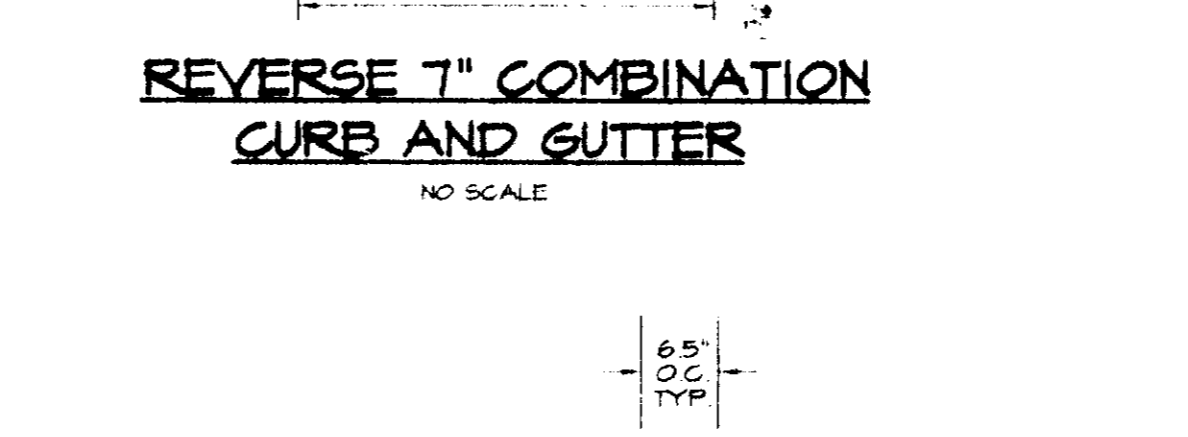
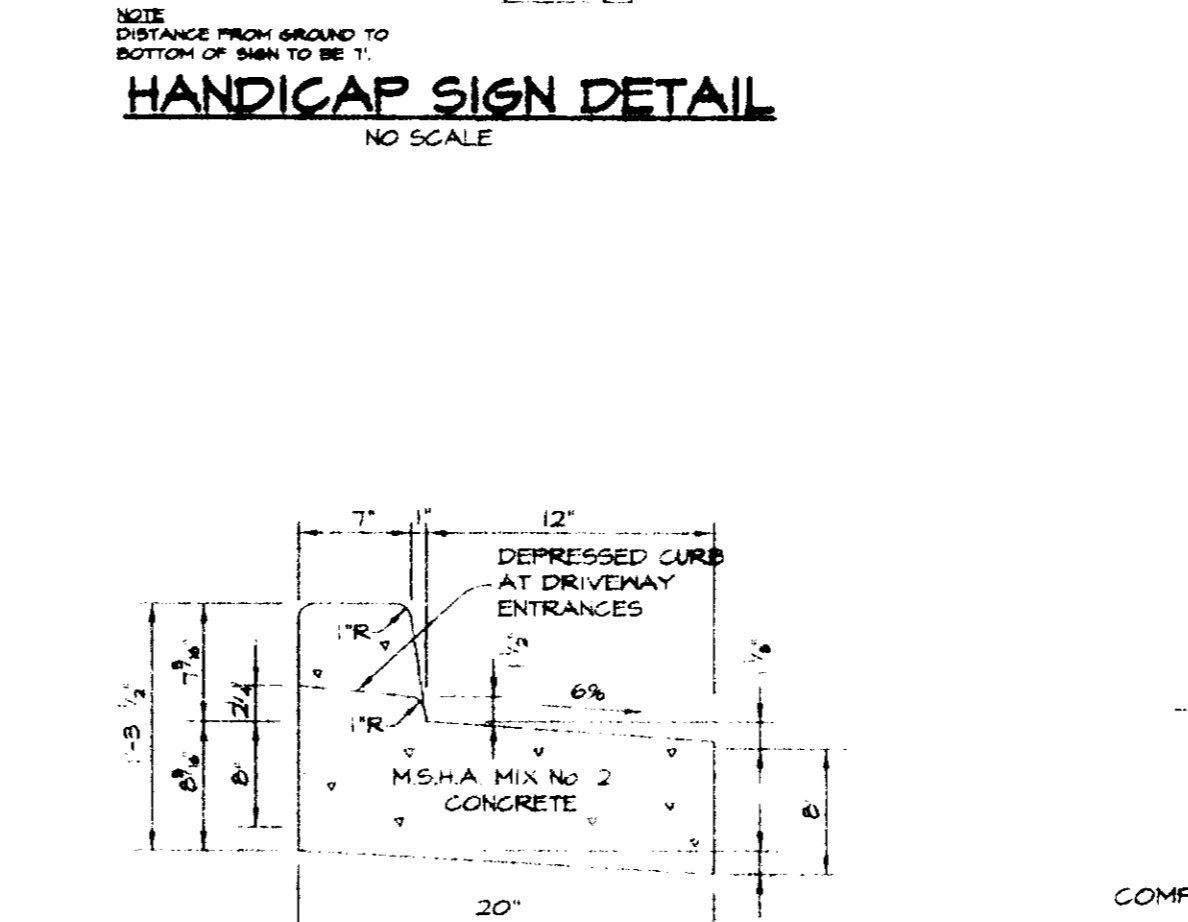
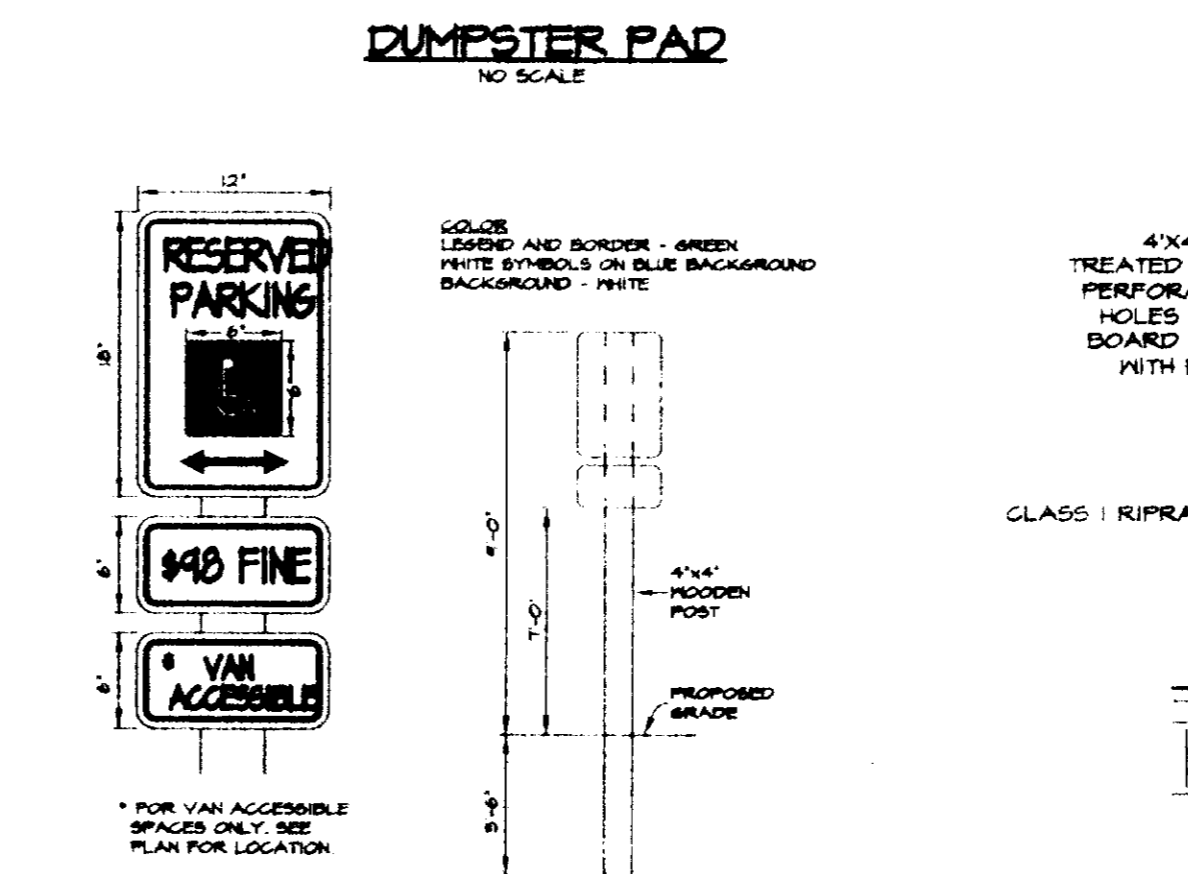
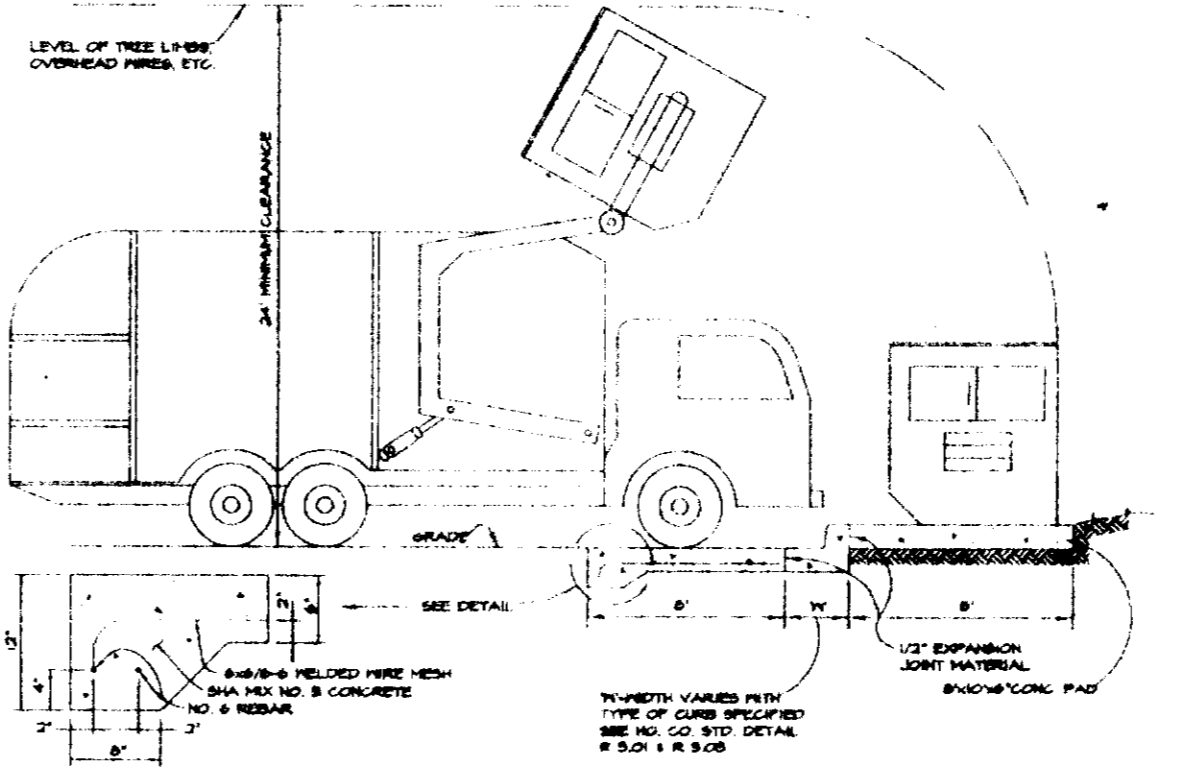


U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-18-96 MARYLAND DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

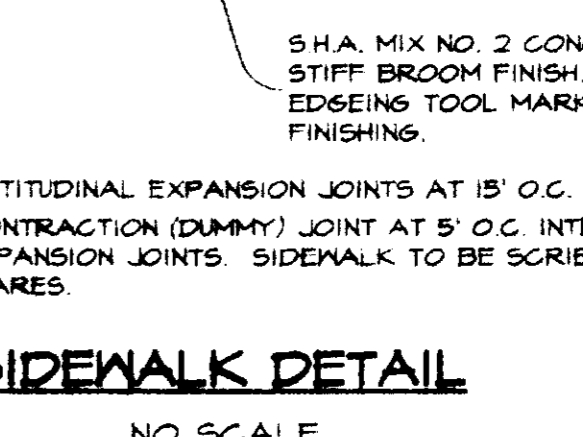
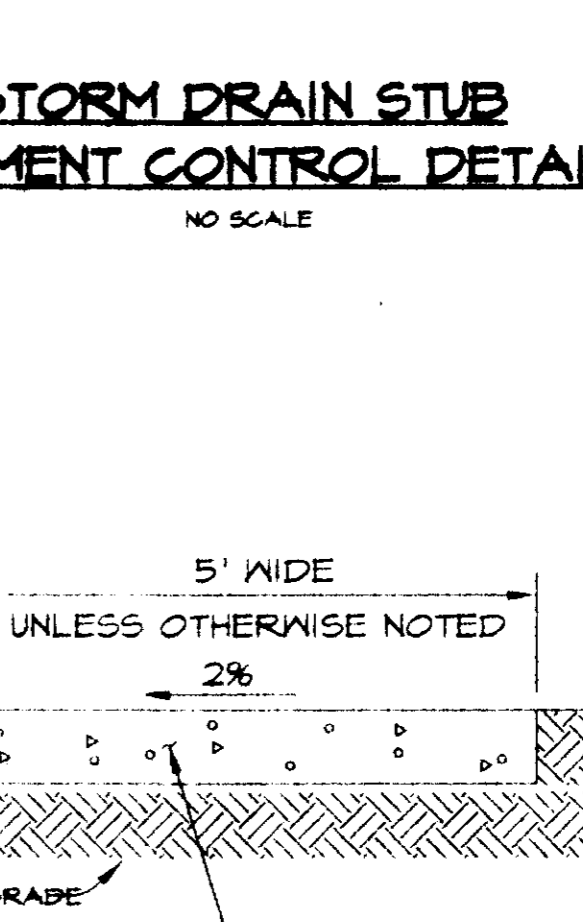
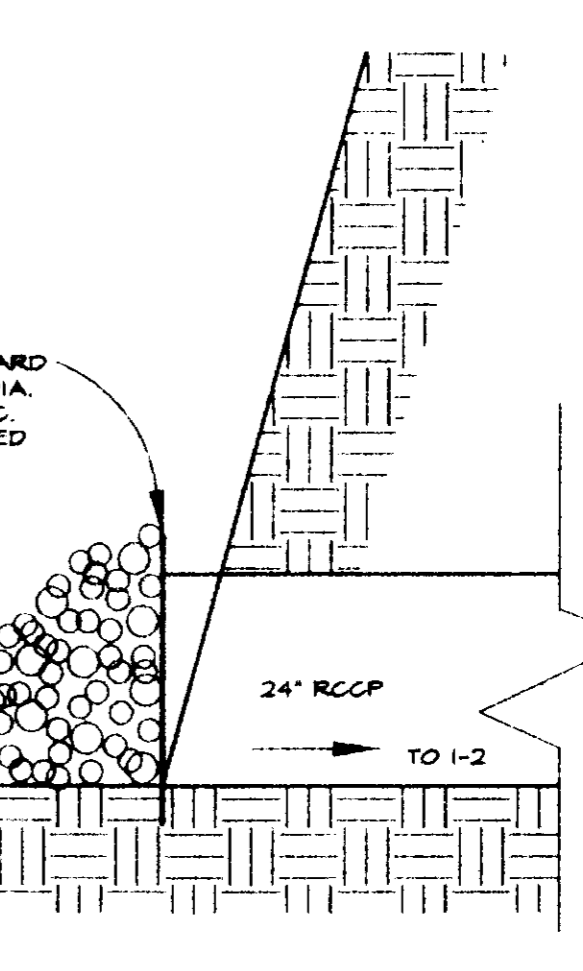
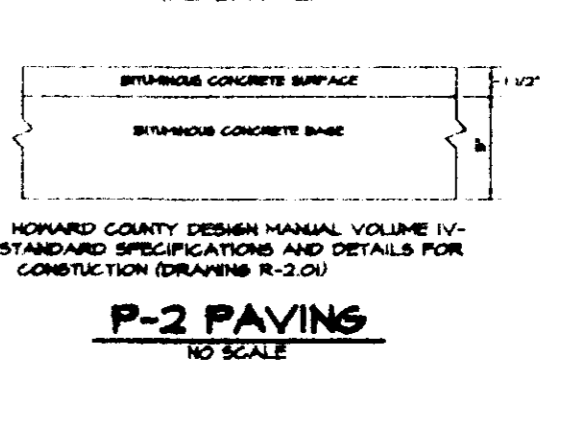
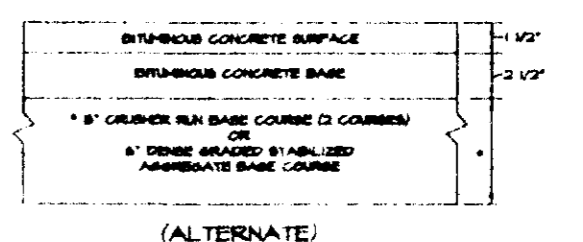
**DETAIL 23C - CURB INLET PROTECTION (CORG OR COS INLETS)**



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-16-96 MARYLAND DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-16-96 MARYLAND DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE E-16-96 MARYLAND DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION

**SEDIMENT CONTROL NO.**

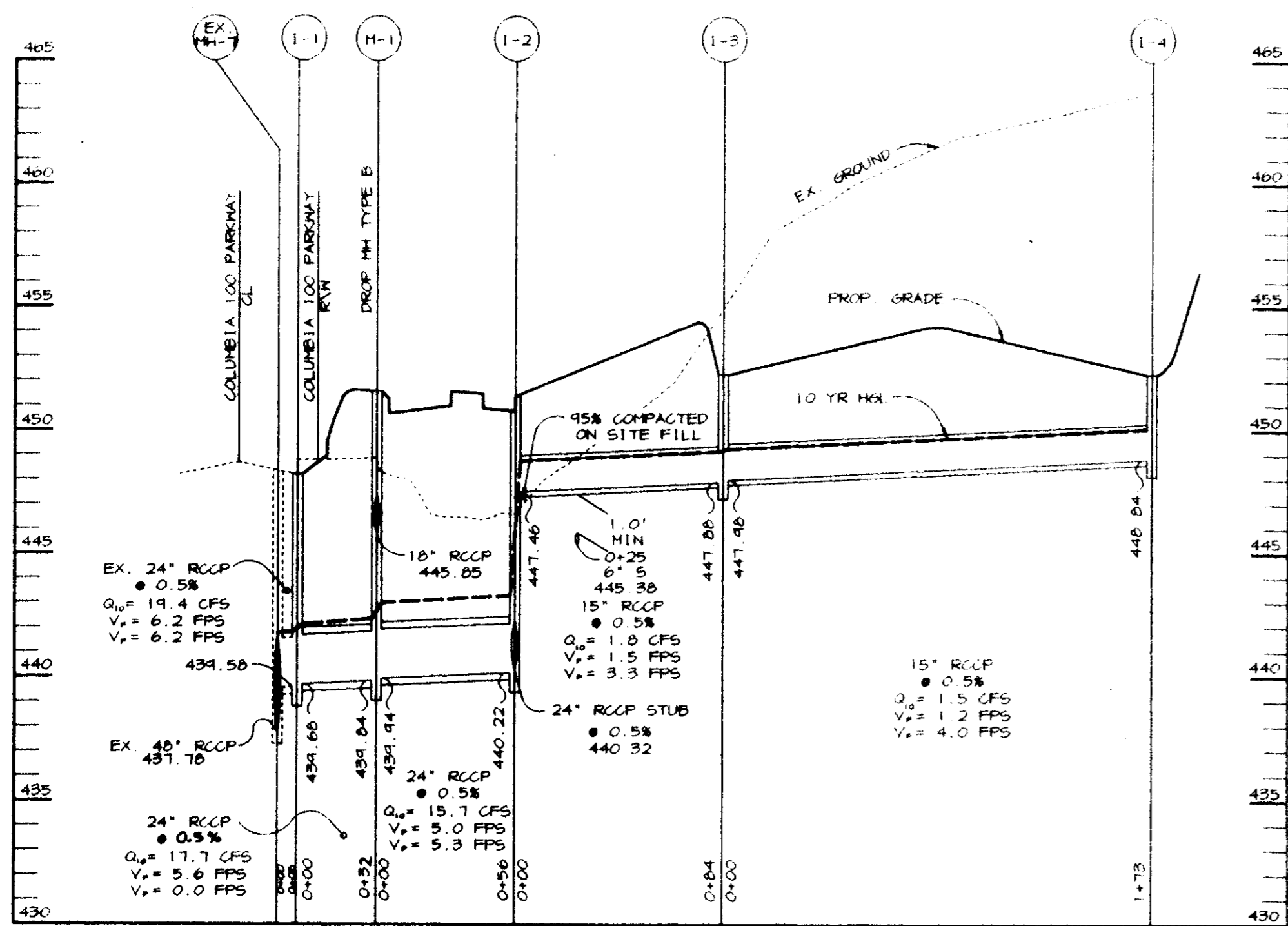
- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE PROVISIONS OF THIS PLAN AND ARE IN ACCORDANCE WITH THE HANDBOOK OF BEST MANAGEMENT PRACTICES (BMP) AND REVISIONS THEREOF.
- ALL VEGETATIVE AND STRUCTURAL PRACTICES TO BE INSTALLED SHALL BE IN ACCORDANCE WITH THE HANDBOOK OF BEST MANAGEMENT PRACTICES (BMP) AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-ENTRY TO THE PROVISIONS OF THIS PLAN AND ARE IN ACCORDANCE WITH THE HANDBOOK OF BEST MANAGEMENT PRACTICES (BMP) AND REVISIONS THEREOF.
- ALL SEDIMENT TRAPS/BAASINS SHOWN MUST BE POSTED AROUND THE PERIMETER IN ACCORDANCE WITH THE HANDBOOK OF BEST MANAGEMENT PRACTICES (BMP) AND REVISIONS THEREOF.
- ALL DISTURBED AREAS MUST BE STABILIZED SPECIFIED ABOVE IN ACCORDANCE WITH THE HANDBOOK OF BEST MANAGEMENT PRACTICES (BMP) AND REVISIONS THEREOF. TEMPORARY STABILIZATION SHALL BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION OF THE PERIMETER AND ALL SLOPES GREATER THAN 5:1 SHALL BE STABILIZED IMMEDIATELY AFTER CONSTRUCTION OF THE PERIMETER.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL THE PROJECT HAS BEEN OBTAINED FROM THE HOWARD COUNTY DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES.
- SITE ANALYSIS:
  - TOTAL AREA OF SITE
  - AREA TO BE ROOFED OR PAVED
  - AREA TO BE VEGETATIVELY STABILIZED
  - TOTAL CUT
  - TOTAL FILL
  - ANY SEDIMENT CONTROL PRACTICE WHICH IS FOR PLACEMENT OF UTILITIES MUST BE REPAIRED IMMEDIATELY.
  - ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IN ACCORDANCE WITH THE HANDBOOK OF BEST MANAGEMENT PRACTICES (BMP) AND REVISIONS THEREOF.
  - SITE GRADING WILL BEGIN ONLY AFTER ALL MEASURES HAVE BEEN INSTALLED AND ARE OPERATIVE.
  - SEDIMENT WILL BE REMOVED FROM TRAPS IMMEDIATELY AFTER EACH RAIN EVENT AND ELEVATION SHOWN ON THE PLANS.
  - CUT AND FILL QUANTITIES PROVIDED UNDER THESE QUANTITIES DO NOT REPRESENT THE FINAL QUANTITIES. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS AND SPECIFICATIONS BEFORE BEGINNING WORK.
  - TRENCHES FOR THE CONSTRUCTION OF UTILITIES SHALL BE STABILIZED IMMEDIATELY AFTER COMPLETION OF EACH TRENCH.
  - SOIL TO BE DISPOSED OF ON A SITE WITH AN

**TEMPORARY SEEDING NO.**

- Apply to graded or cleared areas likely to be eroded. Short-term vegetative cover is needed.
- Seeding Preparation: Loosen upper three inches of soil by hand or other acceptable means before loosening.
- Soil Amendments: Apply 800 lbs. per acre of 0-20-0 fertilizer.
- Seeding: For periods March 1 thru April 1, November 15, seed with 2-1/2 bushels per acre of Kentucky 51 Tall Fescue. For the period May 1 thru October 1, seed with 2-1/2 bushels per acre of Kentucky 51 Tall Fescue. For the period November 16 thru February 28, seed with 2-1/2 bushels per acre of Kentucky 51 Tall Fescue. For the period March 1 thru April 1, November 15, seed with 2-1/2 bushels per acre of Kentucky 51 Tall Fescue. For the period May 1 thru October 1, seed with 2-1/2 bushels per acre of Kentucky 51 Tall Fescue. For the period November 16 thru February 28, seed with 2-1/2 bushels per acre of Kentucky 51 Tall Fescue.
- Mulching: Apply 1-1/2 to 2 tons per acre of straw or other small grain straw immediately after application or 210 gal per acre (5 gal per 1000 sq. ft.) of straw or other acceptable material. On slopes 5:1 or higher, use 300-0-0 ureaform fertilizer for anchoring.

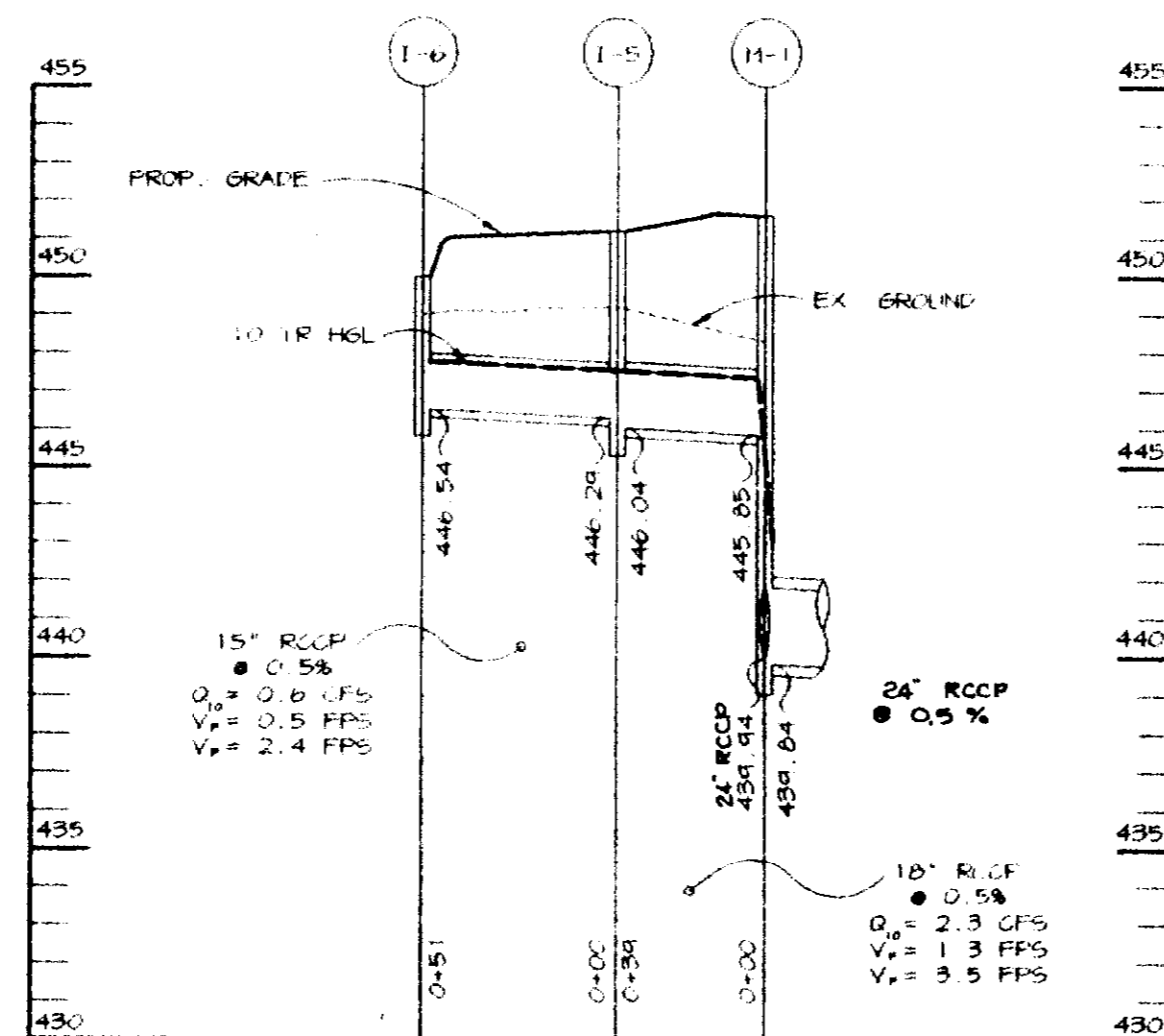
**PERMANENT SEEDING NO.**

- Apply to graded or cleared areas not subject to erosion where a permanent long-lived cover is needed.
- Seeding Preparation: Loosen upper three inches of soil by hand or other acceptable means before loosening.
- Soil Amendments: Apply 800 lbs. per acre of 0-20-0 fertilizer before seeding.
- Seeding: For the period March 1 thru April 1, November 15, seed with 2-1/2 bushels per acre of Kentucky 51 Tall Fescue. For the period May 1 thru October 1, seed with 2-1/2 bushels per acre of Kentucky 51 Tall Fescue. For the period November 16 thru February 28, seed with 2-1/2 bushels per acre of Kentucky 51 Tall Fescue.
- Mulching: Apply 1-1/2 to 2 tons per acre of straw or other small grain straw immediately after application or 210 gal per acre (5 gal per 1000 sq. ft.) of straw or other acceptable material. On slopes 5:1 or higher, use 300-0-0 ureaform fertilizer for anchoring.
- Maintenance: Inspect all seeded areas on a regular basis and reseed as needed.



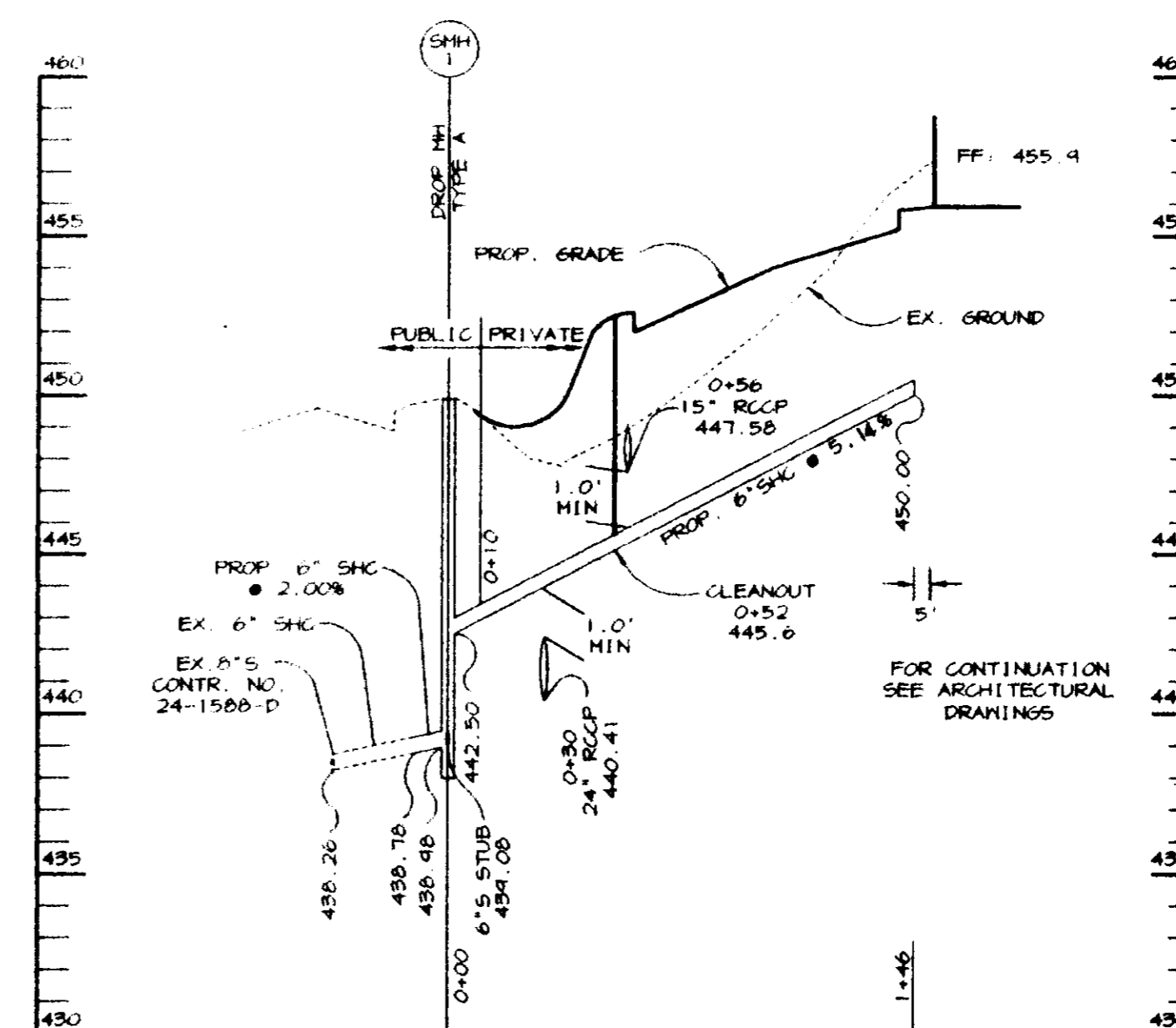
**STORM DRAIN PROFILE**

SCALE  
HOR. - 1"=50'  
VERT. - 1"=5'



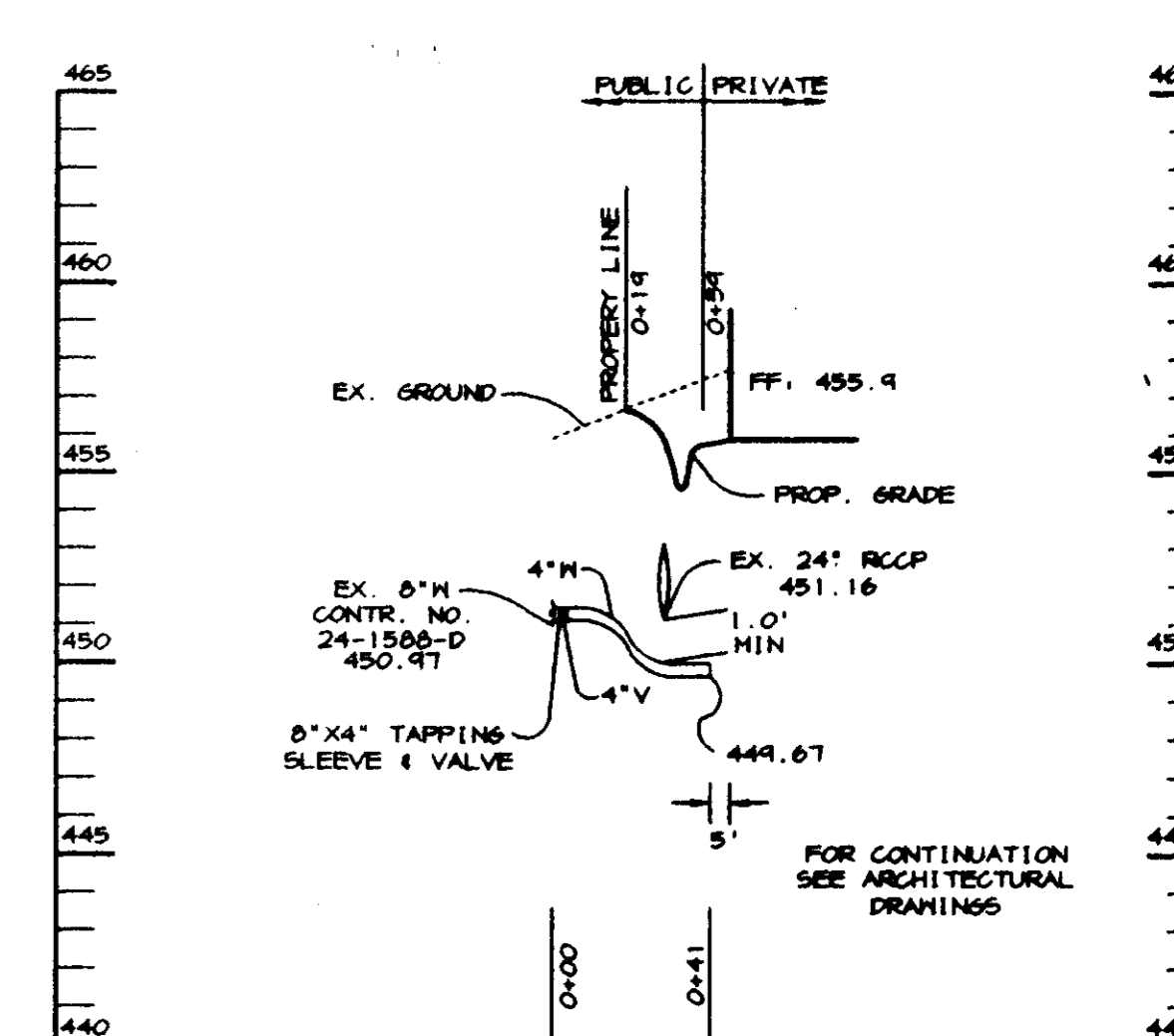
**STORM DRAIN PROFILE**

SCALE  
HOR. - 1"=50'  
VERT. - 1"=5'



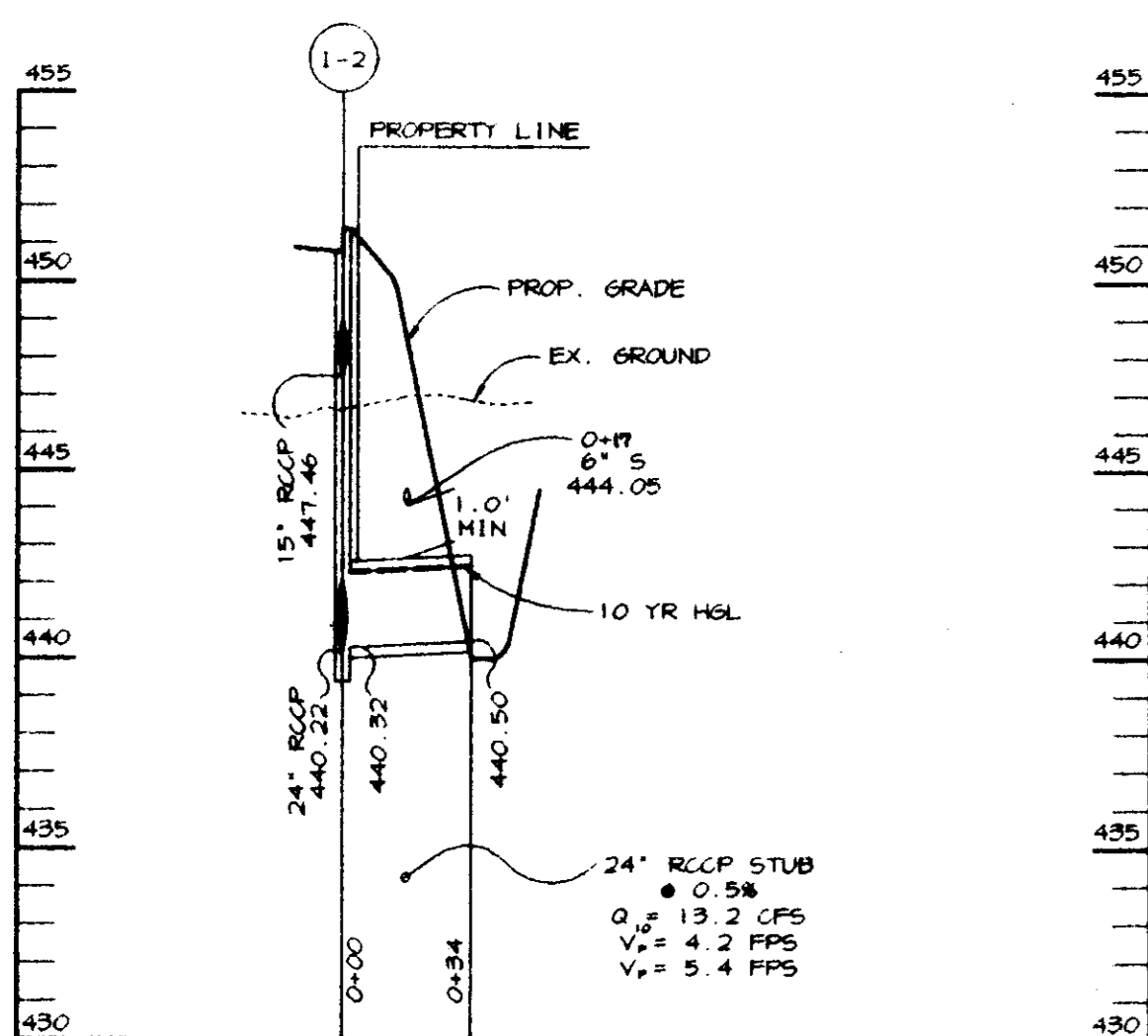
**SEWER PROFILE**

SCALE  
HOR. - 1"=50'  
VERT. - 1"=5'



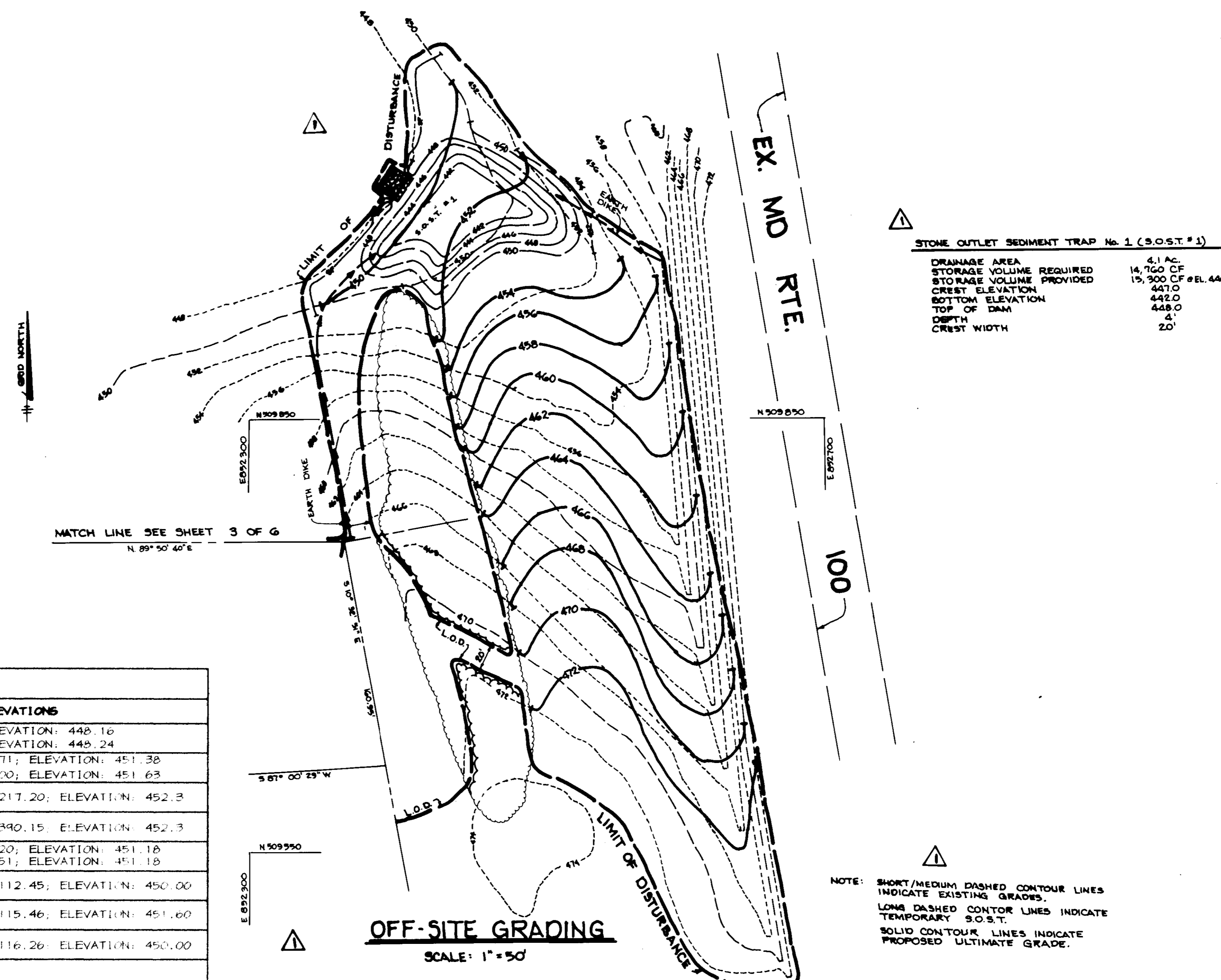
**MHC PROFILE**

SCALE  
HOR. - 1"=50'  
VERT. - 1"=5'



**STORM DRAIN PROFILE**

SCALE  
HOR. - 1"=50'  
VERT. - 1"=5'



**STONE OUTLET SEDIMENT TRAP No. 1 (S.O.S.T. #1)**  
 DRAINAGE AREA 4.1 AC.  
 STORAGE VOLUME REQUIRED 14,700 CF  
 STORAGE VOLUME PROVIDED 15,900 CF @ EL. 446  
 CREST ELEVATION 447.0  
 BOTTOM ELEVATION 442.0  
 TOP OF DAM 448.0  
 DEPTH 4'  
 CREST WIDTH 20'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.  
 Director: *Howard Suter* DATE: 10/24/96  
 Chief Development Engineering Division: *William Dammann* DATE: 10/22/96  
 Chief Division of Land Development and Research: *Richard Blodgett* DATE: 10/26/96




1/6/97 Δ ADDED OFF-SITE GRADING DETAIL  
 DATE NO. REVISION  
 OWNER: M.J.F. ASSOCIATES LIMITED PARTNERSHIP  
 DEVELOPER: LANCILOTTA AND ASSOCIATES, INC.  
 PROJECT: **GODDARD SCHOOL A DAY-CARE FACILITY**  
 AREA: COLUMBIA 100 OFFICE RESEARCH PARK SECTION 1 AREA 2  
 TITLE: **PROFILES**

STRUCTURE SCHEDULE						
STRUCTURE	TYPE	NO. CO. STD. DETAIL	INVERTS		LID SLOPE	LOCATIONS AND ELEVATIONS
			IN	OUT		
I-1	DOUBLE TYPE S	SD-4.23	439.68	439.58	1.10%	NW CORNER: N 509648.11 E 852083.03; ELEVATION: 448.16 SE CORNER: N 509641.04 E 852088.33; ELEVATION: 445.24
I-2	A-5	SD-4.01	447.46	440.22	4.00%	N CORNER • CURB: N 509597.92 E 852129.71; ELEVATION: 451.38 S CORNER • CURB: N 509598.25 E 852136.00; ELEVATION: 451.63
I-3	YARD INLET	SD-4.14	447.98	447.88	0.00%	CENTER OF STRUCTURE: N 509601.15 E 852217.20; ELEVATION: 452.3
I-4	YARD INLET	SD-4.14	---	448.84	0.00%	CENTER OF STRUCTURE: N 509609.96 E 852390.15; ELEVATION: 452.3
I-5	A-5	SD-4.01	446.29	446.04	0.00%	N CORNER • CURB: N 509642.12 E 852120.20; ELEVATION: 451.18 S CORNER • CURB: N 509625.83 E 852120.51; ELEVATION: 451.18
I-6	YARD INLET	SD-4.14	---	446.54	0.00%	CENTER OF STRUCTURE: N 509139.32 E 852112.45; ELEVATION: 450.00
M-1	4" STD MH	6-5.12	448.85	439.84	0.00%	CENTER OF STRUCTURE: N 509650.21 E 852115.46; ELEVATION: 451.60
SMH-1	4" STD MH	6-5.12	439.08	439.98	0.00%	CENTER OF STRUCTURE: N 509560.59 E 852116.26; ELEVATION: 450.00
24" STUB	24" RCCP	---	440.50	440.32	---	SEE PLAN

NOTE: SHORT/MEDIUM DASHED CONTOUR LINES INDICATE EXISTING GRADES.  
 LONG DASHED CONTOUR LINES INDICATE TEMPORARY S.O.S.T.  
 SOLID CONTOUR LINES INDICATE PROPOSED ULTIMATE GRADE.

F-87-82 F-97-48  
 DESIGNED BY: JTD  
 DRAWN BY: BLW  
 PROJECT NO: 96\_017 SHT 4.DWG  
 DATE: OCTOBER 16, 1996  
 SCALE: AS SHOWN  
 DRAWING NO. 4 OF 6

**LEGEND**

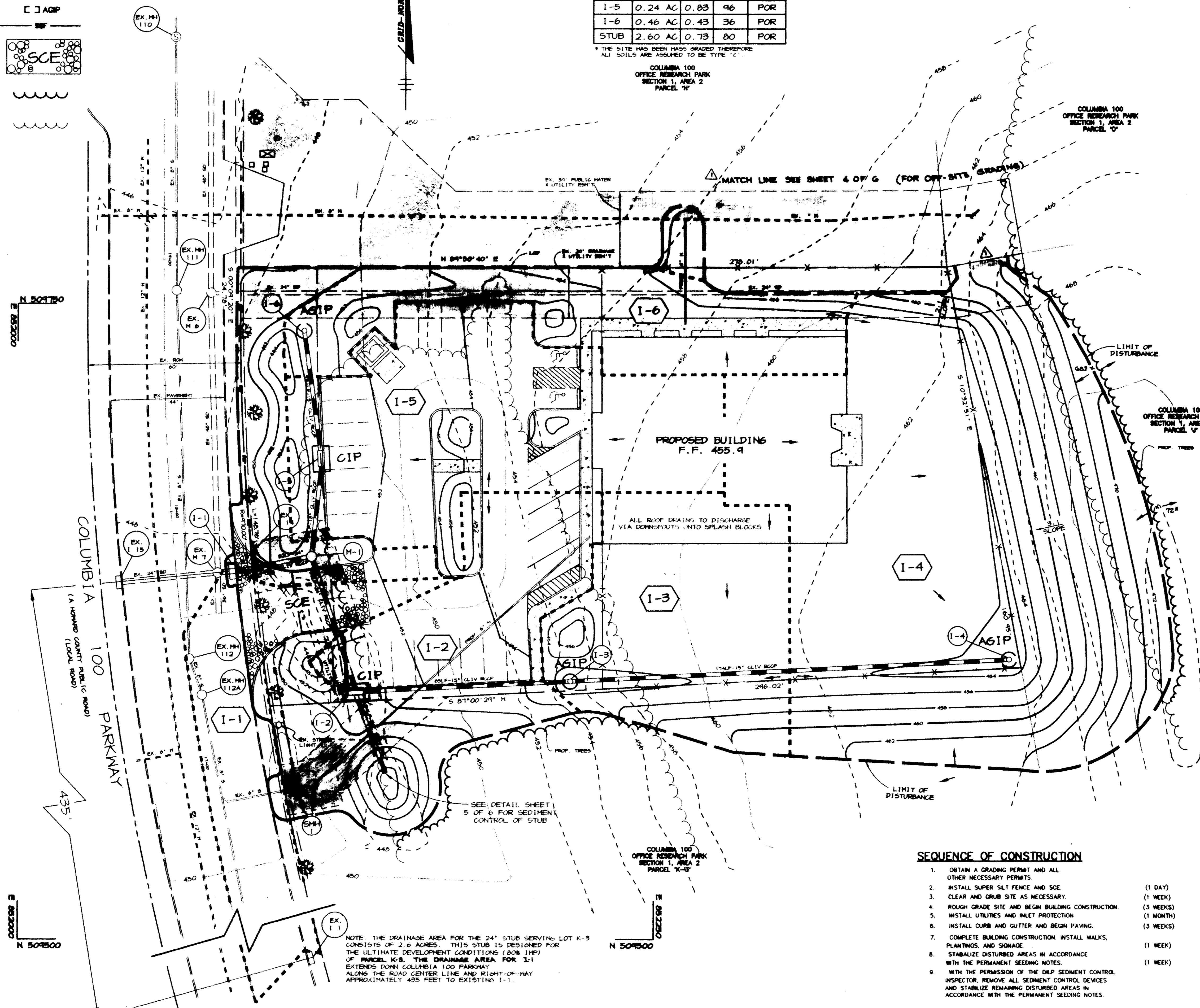
- LIMIT OF DISTURBANCE 
- DRAINAGE AREA DIVIDE 
- CURB INLET PROTECTION 
- AT GRADE INLET PROTECTION 
- SUPER SILT FENCE 
- STABILIZED CONSTRUCTION ENTRANCE 
- PROPOSED TREELINE 
- EXISTING TREELINE 

**DRAINAGE AREA TABULATION**

INLET#	D.A.	'C'	%IMP	ZONING
I-1	0.35 AC	0.77	75	POR
I-2	0.12 AC	0.86	100	POR
I-3	0.18 AC	0.30	17	POR
I-4	0.58 AC	0.27	12	POR
I-5	0.24 AC	0.83	96	POR
I-6	0.46 AC	0.43	36	POR
STUB	2.60 AC	0.73	80	POR

\* THE SITE HAS BEEN MASS GRADED THEREFORE ALL SOILS ARE ASSUMED TO BE TYPE 'C'

COLUMBIA 100 OFFICE RESEARCH PARK SECTION 1, AREA 2 PARCEL 'N'



NOTE: THE DRAINAGE AREA FOR THE 24" STUB SERVING LOT K-3 CONSISTS OF 2.6 ACRES. THIS STUB IS DESIGNED FOR THE ULTIMATE DEVELOPMENT CONDITIONS (80% IMP) OF PARCEL K-3. THE DRAINAGE AREA FOR I-1 EXTENDS DOWN COLUMBIA 100 PARKWAY ALONG THE ROAD CENTER LINE AND RIGHT-OF-WAY APPROXIMATELY 435 FEET TO EXISTING I-1.

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN A GRADING PERMIT AND ALL OTHER NECESSARY PERMITS (1 DAY)
2. INSTALL SUPER SILT FENCE AND SCE (1 WEEK)
3. CLEAR AND GRUB SITE AS NECESSARY (1 WEEK)
4. ROUGH GRADE SITE AND BEGIN BUILDING CONSTRUCTION (3 WEEKS)
5. INSTALL UTILITIES AND INLET PROTECTION (1 MONTH)
6. INSTALL CURB AND GUTTER AND BEGIN PAVING (3 WEEKS)
7. COMPLETE BUILDING CONSTRUCTION, INSTALL WALKS, PLANTINGS, AND SIGNAGE (1 WEEK)
8. STABILIZE DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES (1 WEEK)
9. WITH THE PERMISSION OF THE DEP SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.

**BY THE DEVELOPER:**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Robert Bartels* 10/16/96  
 DEVELOPER DATE

**BY THE ENGINEER:**  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*J. Farrell* 10-16-96  
 ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.  
*J. H. Wadsworth* 10/16/96  
 NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. Polster* 10/18/96  
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.  
*James S. Suter* 10/23/96  
 DIRECTOR DATE

*William D. Summers* 10/23/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Richard B. Reed* 10/23/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE


12/6/97 ADD MATCH LINE CALL OUT FOR OFF-SITE GRADING SLIGHT MOD. TO L.P.D.  
 DATE NO. REVISION

OWNER	DEVELOPER
M.L.P. ASSOCIATES LIMITED PARTNERSHIP C/O PATRICK MCGUIAN THE K & H BUILDING SUITE 302 3880 STERRETT PLACE COLUMBIA, MARYLAND 21044 (410) 750-4041	LANCLOTTA AND ASSOCIATES, INC. 5082 DORSEY HALL DRIVE SUITE 302 ELLICOTT CITY, MARYLAND 21042 (410) 780-6607

**PROJECT** GODDARD SCHOOL A DAY-CARE FACILITY  
**AREA** COLUMBIA 100 OFFICE RESEARCH PARK SECTION 1, AREA 2 TAX MAP 80 PARCEL K-2 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**TITLE** DRAINAGE AREA MAP, GRADING, & SEDIMENT CONTROL PLAN

**Riemer Muegge & Associates, Inc.**  
 Planners • Engineers • Surveyors  
 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045  
 410-997-8900 FAX: 410-997-9282

10-16-96  
  
*J. Farrell*  
 JAYKANT D. PAREKH #9148

F-87-82 F-97-48
DESIGNED BY: JTD
DRAWN BY: BLW/SAJ
PROJECT NO: V46_017 SHTS.DWG
DATE: OCTOBER 16, 1996
SCALE: 1" = 20'
DRAWING NO. 3 OF 6

LANDSCAPE SCHEDULES

PLANT MATERIAL LIST

KEY	QTY	BOTANICAL + COMMON NAME	SIZE	REMARKS
<b>TREES</b>				
AR	04	Acer rubrum 'Red Sunset' Red Sunset Red Maple	2 1/2" - 3" Cal. B & B	Full Crown
CK	03	Cornus kousa Chinese Dogwood	1 1/2" - 2" Cal. B & B	Multi-stemmed
GT	09	Gleditsia triacanthos var. inermis 'Moraine' Moraine Honeylocust	2 1/2" - 3" Cal. B & B	Full Crown
PO	06	Platanus occidentalis 'Columbia' Columbia Planetree	2 1/2" - 3" Cal. B & B	Full Crown
IN	01	Ilex X Nellie R. Stevens Nellie R. Stevens Holly	6" - 8" Ht. B & B	Spacing as Shown
<b>SHRUBS</b>				
LC	03	Lagerströmia X 'Cherokee Chief' Pink Crapemyrtle	3" - 3 1/2" Ht. Cont.	Spacing as Shown
JC	34	Juniperus chinensis 'Sea Green' Sea Green Juniper	3" - 4" Ht. Cont.	4' O.C. Spacing
MG	02	Magnolia grandiflora 'Little Gem' Little Gem Magnolia	3" - 4" Ht. Cont.	Spallier on Wall
PF	04	Photinia X Fraserii Fraser's Photinia	3" - 3 1/2" Ht. Cont.	3' O.C. Spacing
PL	32	Prunus laroceraeus 'Otto Luykx' Dwarf Cherry Laurel	3" - 3 1/2" Ht. B & B	3' O.C. Spacing
TB	34	Taxus baccata 'Repandens' Weeping English Yew	1 1/2" - 2" Ht. B & B	2 1/2' O.C. Spacing
TM	38	Taxus X media 'Hicksii' Hicks Yew	3" - 3 1/2" Ht. B & B	3' O.C. Spacing
VB	55	Viburnum X burkwoodii Burkwood Viburnum	3" - 3 1/2" Ht. B & B	3' O.C. Spacing
<b>GROUND COVER</b>				
AN	26	Annule Seasonal Annule	Cont.	15' O.C. Spacing
D	1,185	Daffodi - Yellow & White (Mixed) Yellow and White Daffodi	Top Size 2 1/2"	15' O.C. Spacing
I	2,560	Hedra helix English Ivy	8" - 10" Length 100/Flat	10' O.C. Spacing
PA	44	Pennisetum alopecuroides 'hamel' Dwarf Fountain Grass	1 Qt. Cont.	Spacing as Shown

PERIMETER	ADJACENT TO ROADWAYS		
	I-A	I-B	I-C
LANDSCAPE TYPE	B	E	B
LINEAR FEET OF ROADWAY FRONTAGE PERIMETER	± 50'	± 75'	± 45'
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO
NUMBER OF PLANTS REQUIRED			
SHADE TREES	• 1/50' = 1	• 1/40' = 2	• 1/50' = 1
EVERGREEN TREES	• 1/40' = 1	• 1/4' = 1	• 1/40' = 1
NUMBER OF PLANTS PROVIDED			
SHADE TREES	0	2	1
EVERGREEN TREES	0	2	0
SMALL FLOWERING TREES	0	0	0
SHRUBS	10 (M)	28	0

\* THE REGULATIONS DO NOT REQUIRE LANDSCAPED EDGES, BUFFERING, OR SCREENING, BETWEEN INTERNAL LOTS OR PARCELS WITHIN THE SAME DEVELOPMENT. (SEE PERIMETER LANDSCAPE EDGES ON P. 17 OF LANDSCAPE MANUAL)

\* 1 - SUBSTITUTE 10 SHRUBS FOR 1 EVERGREEN TREE (PERIMETER I-A)

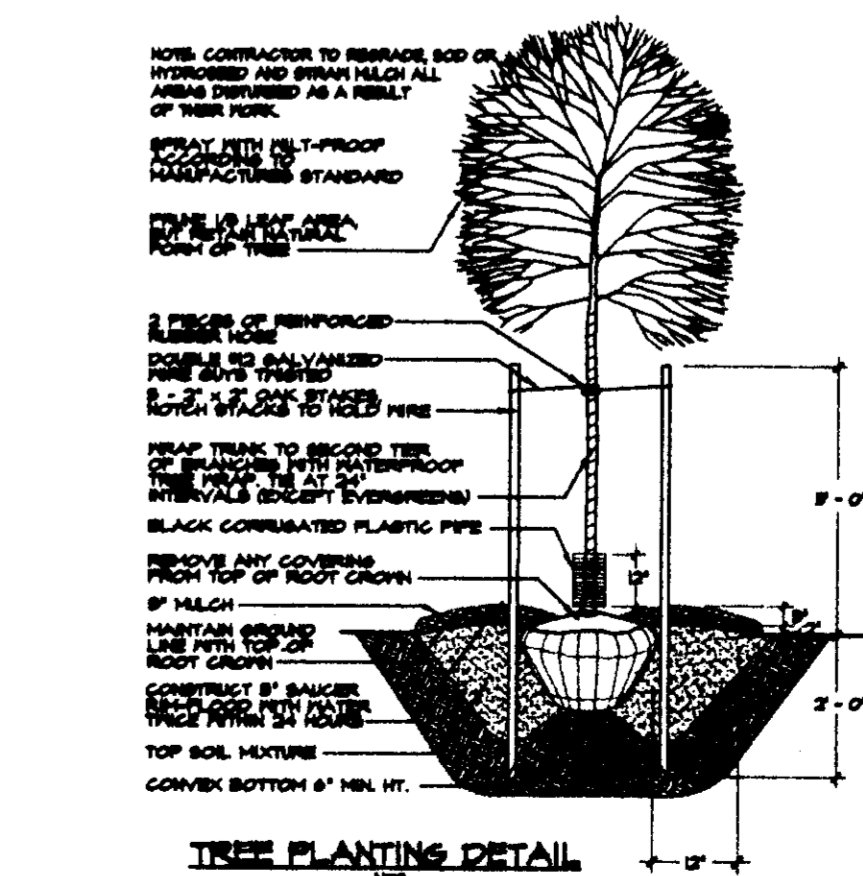
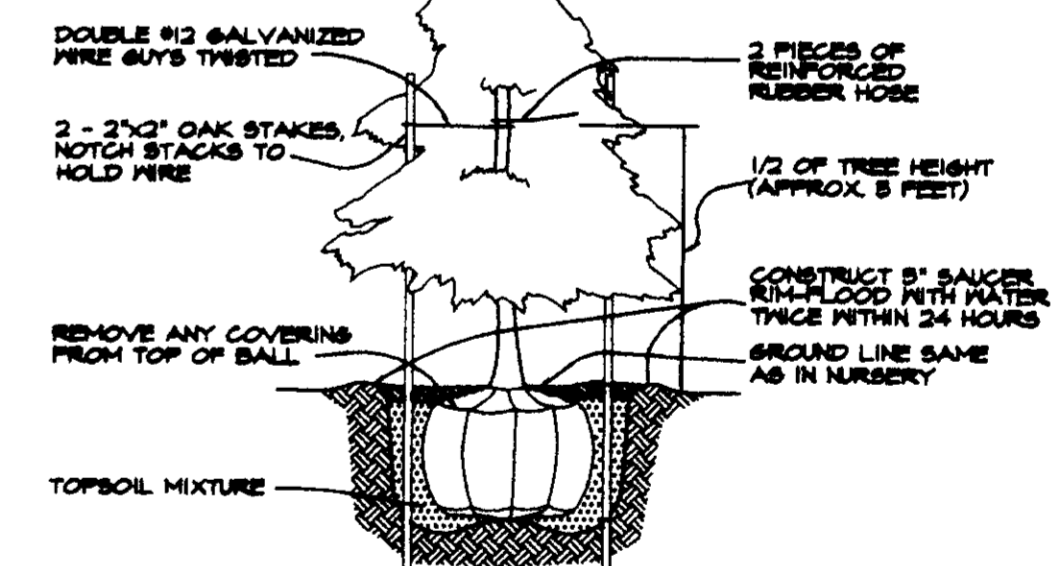
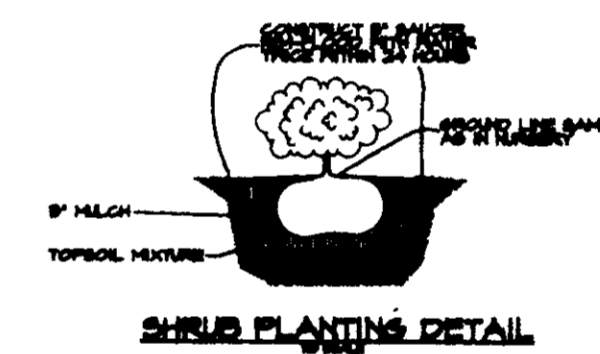
SCHEDULE B  
PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	28
NUMBER OF SHADE TREES REQUIRED @ 1 S.T./20 SPACES	2
NUMBER OF TREES PROVIDED	2
SHADE TREES	2
OTHER TREES (1:1 SUBSTITUTION)	0
NUMBER OF ISLANDS REQUIRED (1 ISLAND/20 SPACES)	2
NUMBER OF ISLANDS PROVIDED	2

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

\* FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$800.00.

PLANTING DETAILS



NOTE: THIS PLAN IS FOR LANDSCAPE PURPOSES ONLY.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*Joseph South* 10/24/96  
DIRECTOR DATE

*Michael Williams* 10/22/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Richard Blood* 10/23/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

DATE NO.	REVISION

OWNER: H.J.F. ASSOCIATES LIMITED PARTNERSHIP  
C/O PATRICK MCGUIAN  
THE K & H BUILDING  
SUITE 212  
3880 STERRETT PLACE  
COLUMBIA, MARYLAND 21044  
(410) 750-4041

DEVELOPER: LANCILOTTA AND ASSOCIATES, INC.  
3082 DORSEY HALL DRIVE  
SUITE 202  
ELLCOTT CITY, MARYLAND 21042  
(410) 750-6607

PROJECT: **GODDARD SCHOOL**  
A DAY-CARE FACILITY

AREA: COLUMBIA 100 OFFICE RESEARCH PARK SECTION 1 AREA 2  
TAX MAP 50 PARCEL K-2  
2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

TITLE: **LANDSCAPE PLAN**

**RIEMER MUEGGE & ASSOCIATES, INC.**  
Planners • Engineers • Surveyors  
8818 Centre Park Drive • Suite 200 • Columbia, MD 21048  
410-997-8900 FAX: 410-997-9282

10-16-96 DATE  
1098  
STATE OF MARYLAND  
LONDON O. HART, 1098

F-87-82 F-97-48  
DESIGNED BY: CK  
DRAWN BY: CK  
PROJECT NO. 196.017  
SHTS.DWG  
DATE: OCTOBER 16, 1996  
SCALE: 1" = 20'  
DRAWING NO. 6 OF 6