

PROP. BUILDING LAYOUT
NOT TO SCALE

PROP. BUILDING ELEVATION
NOT TO SCALE

Legend

---	PROPERTY LINE
---	R/L LINE
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
---	PROPOSED SPOT ELEVATION
---	EXISTING WATER VALVE
---	EXISTING FIRE HYDRANT
---	EXISTING WATER LINE
---	EXISTING STORM DRAIN MANHOLE
---	EXISTING STORM DRAIN
---	EXISTING STORM DRAIN LINE
---	EXISTING SANITARY SEWER MANHOLE
---	EXISTING SANITARY SEWER LINE

APPROVED, DEPARTMENT OF PLANNING & ZONING
[Signature] 7/31/01
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
[Signature]
 CHIEF, DIVISION OF LAND DEVELOPMENT
[Signature]
 DIRECTOR

DATE 8/15/01
 DATE 8/13/01
 DATE

APPROVED, FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
[Signature]
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

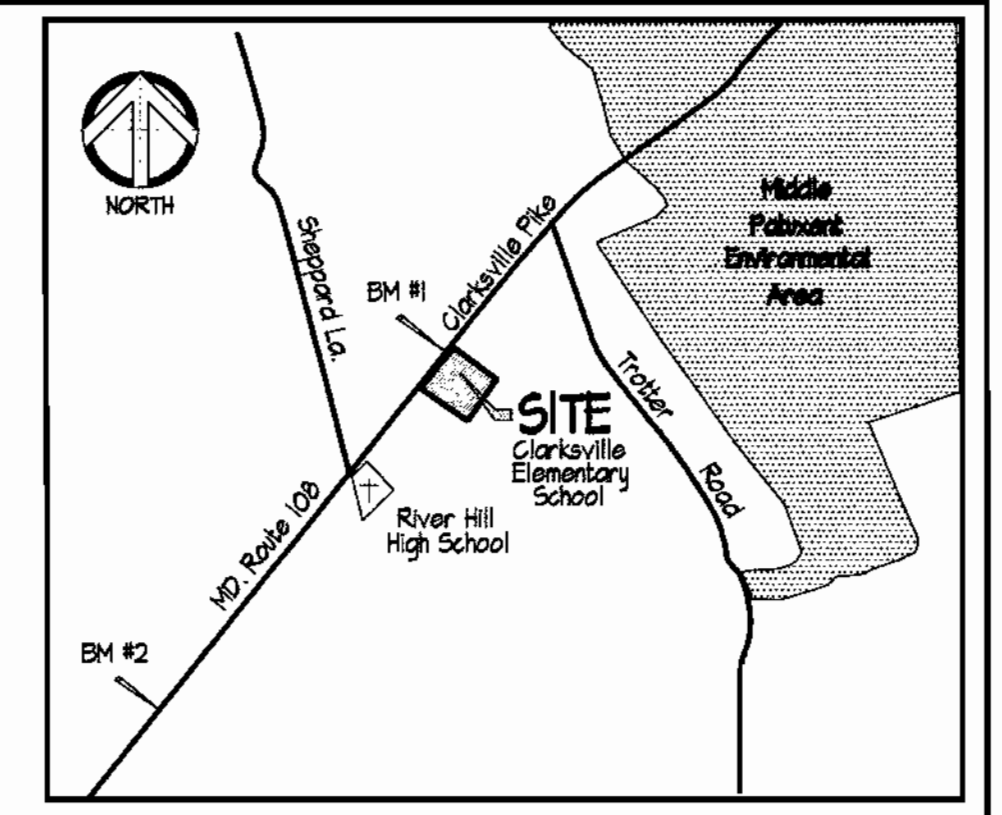
DATE 8/13/01

NOTE: Construction of the drive aisle for parking predicated requirements.

SHEET #	DRAWING TITLE
1	SITE DEVELOPMENT PLAN
2	DRAINAGE AREA MAP AND STORM DRAIN PROFILES
3	SEDIMENT AND EROSION CONTROL PLAN
4	SEDIMENT AND EROSION CONTROL DETAILS AND NOTES

GENERAL NOTES

- The existing topography shown was field run by Shandberger & Lane on April 24, 2001 and supplemented by aerial topography.
- Department of Planning & Zoning reference file numbers are SDP 80-15, NP 48-44, NP 48-128, NP 00-11, NP 01-30 for relocatable trailers.
- All roadways are existing and private.
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Monuments No's 2151002 & 2051004.
- The contractor shall notify the Department of Public Works Construction Inspection Division at (410) 318-1800 at least 15 working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-251-7777 at least 48 hours prior to any excavation work.
- No clearing, grading or construction is permitted within wetlands and stream buffers or forest conservation areas.
- Vehicular ingress and egress into public right-of-way is restricted except at locations approved by the Howard County Dept. of Planning & Zoning and M.S.H.A.
- Public water and sewer exists on-site. Master Contract #44-33500, Sewer Contract No. 34-32120.
- Any damage to county owned right-of-way to be corrected at the developer's expense.
- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location of utilities by digging test pits, by hand, at all crossings prior to construction.
- The contractor agrees to work with the Department of Licenses & Permits to resolve any problem with roof water discharge.
- No Wetlands exist onsite per letter from Exploration Research, dated 5/1/01.
- Storm Water Management provided in existing branches approved under SDP 80-15, for addition of Supt. Cafeteria and Bus Loop.
- This project is conditionally exempt from the requirements of section 16.1200 of the Howard County Code for Forest Conservation with the filing of Declaration of Intent for clearing less than 40,000 sq. ft. of forest. There is no forest on the site and no forest is proposed for clearing.
- The exterior of the proposed additions shall be constructed of the same materials as the existing building.
- No floodplains as defined by Howard County Department of Public Works exist on-site.
- No Additional Landscaping for this site is required per page 3 of the Howard County Landscape Manual.
- No known cemeteries exist onsite.
- This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and the Landscape Manual.
- This property is zoned R-20 per the October, 1993 Comprehensive Zoning Plan.
- No scenic roads are adjacent to this site.
- Contractor to coordinate installation of storm drainage with roof drains as shown on the Plumbing Plans.
- Within 30 days of the signing of the SDP any existing wells on the site will be investigated to verify the well has been abandoned according to Howard County Health Department.



VICINITY MAP
Scale: 1" = 2000'

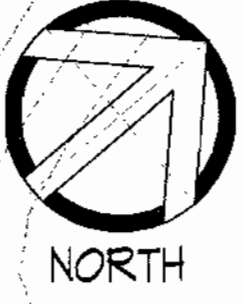
THE HORIZONTAL AND VERTICAL CONTROL USED IN THIS SURVEY IS BASED ON HOWARD COUNTY GEODETIC CONTROL POINTS 2465 & 246A.

	NAD 83	NAD 23
2465	N 568,341.204	E 1335,942.473
2462	N 566,861.462	E 1333,325.606

BENCHMARKS SET:
 TRAV. 1 N 565,026.2742 E 1332,541.3405 EL. 500.63
 TRAV. 2 N 565,224.3042 E 1332,751.1574 EL. 496.40

SITE ANALYSIS

a. AREA OF SITE:	10.678 Ac.	
b. LIMIT OF DISTURBED AREA:	8.92 Ac.	
c. PRESENT ZONING DESIGNATION:	R-20	
d. PROPOSED USE:	ADDITION TO ELEMENTARY SCHOOL	
e. FLOOR SPACE TABULATION		
EXISTING SCHOOL	45,944 SF	1.04 Ac.
PROPOSED SCHOOLEXPANSION	13,781 SF	0.32 Ac.
TOTAL	59,725 SF	1.36 Ac.
BLDG. COVERAGE		12.7%
f. PARKING TABULATION		
Parking Spaces Required	61 spaces	4 HC
Existing Spaces:	0 spaces	
Proposed Spaces:	61 spaces	
TOTAL SPACES:	61 spaces	
g. AREA TABULATION:		
Proposed Building Coverage	136 Ac.	
Paved Parking Area	1.20 Ac.	
Green Area	9.15 Ac.	



NOTE:
SEE SHEET 2 OF 4
FOR LARGER SCALE
INSETS FOR COURTYARDS,
AND ADDITIONS AT FRONT
OF BUILDING.

ADDRESS CHART	
PARCEL #	STREET ADDRESS
124	12041 Clarksville Pike Route 108

PERMIT INFORMATION CHART	
SUBDIVISION NAME	SECTION / AREA LOTS / PARCELS
CLARKSVILLE ELEMENTARY SCHOOL	N/A

PLAT NO. OF L.P.	GRID NO.	ZONE	TAX MAP NO.	ELECT. DIST.	CROSS TRACT
396 / 287	14	R20	29	5 B	6255-01

WATER CODE	SEWER CODE
T01	6453300

OWNER: Board of Education of Howard County
 10910 Route 108
 Elkton City, MD. 21043 Phone: 410-313-6704

Clarksville Elementary School Additions - Renovations
 12041 Md. Route 108 Clarksville, Maryland 21024
 5th Election District Howard County, Maryland
 Tax Map 29 Grid 14 Parcel 124 Zoning: R-20 Deed Ref. 346 / 287

Site Development Plan

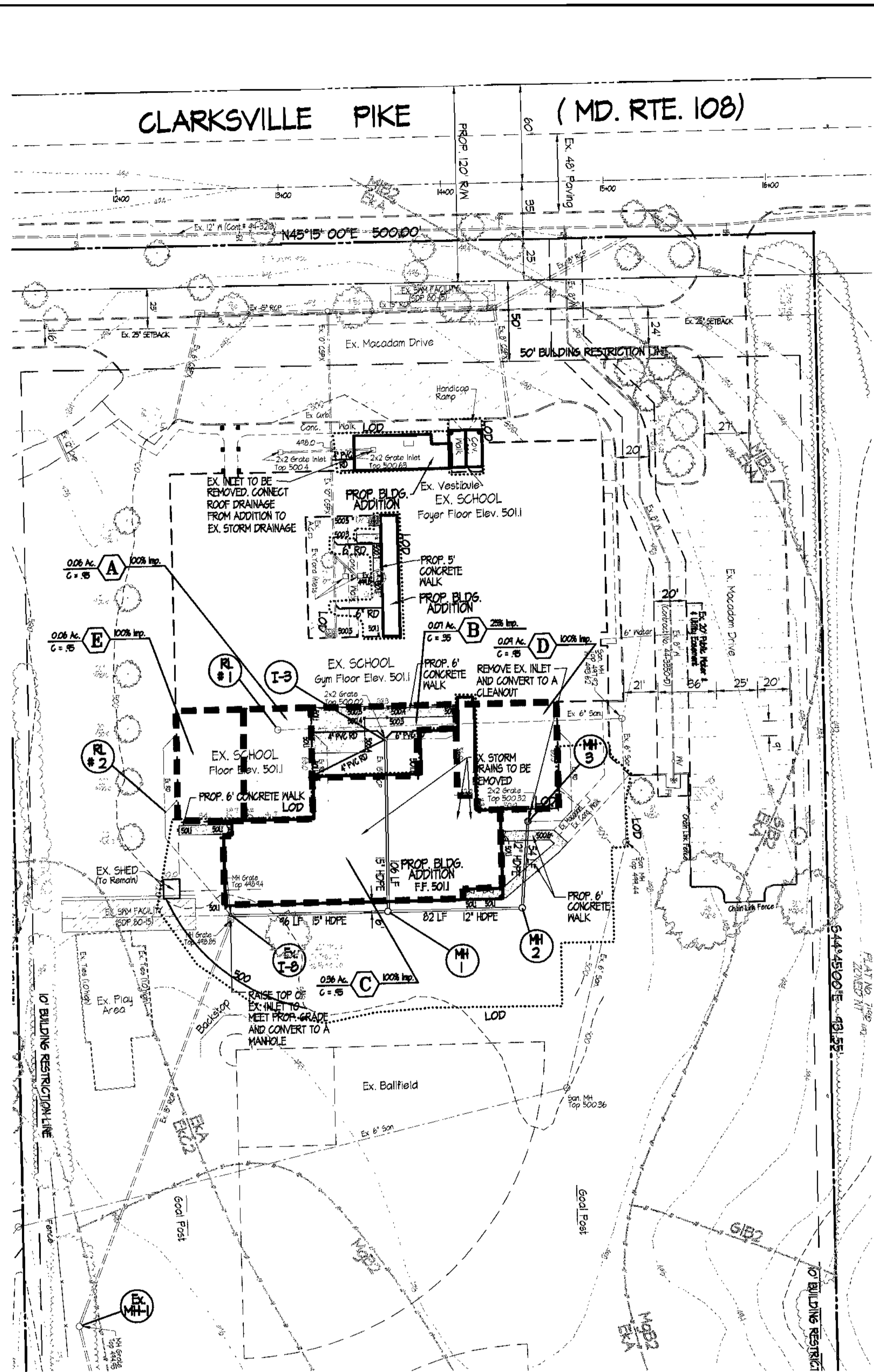
REVISIONS

STATE OF MARYLAND
 DEPARTMENT OF PLANNING & ZONING
 PROFESSIONAL ENGINEER

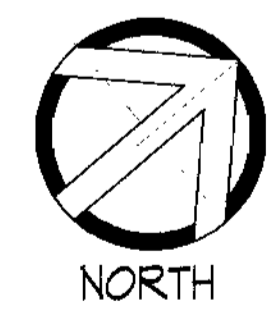
SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services

1497 Invertonville Pike • Phoenix, Maryland 21131
 (410) 883-3388 • Fax (410) 883-3388

DRAWN BY: TPD	CONTRACT NO.:
DESIGNED BY: JST/JLS	SCALE: 1" = 50'
CHECKED BY: JLS	SRI PROJECT NO: 01048
DATE: July 20, 2001	SHEET 1 OF 4



DRAINAGE AREA MAP
Scale: 1" = 50'

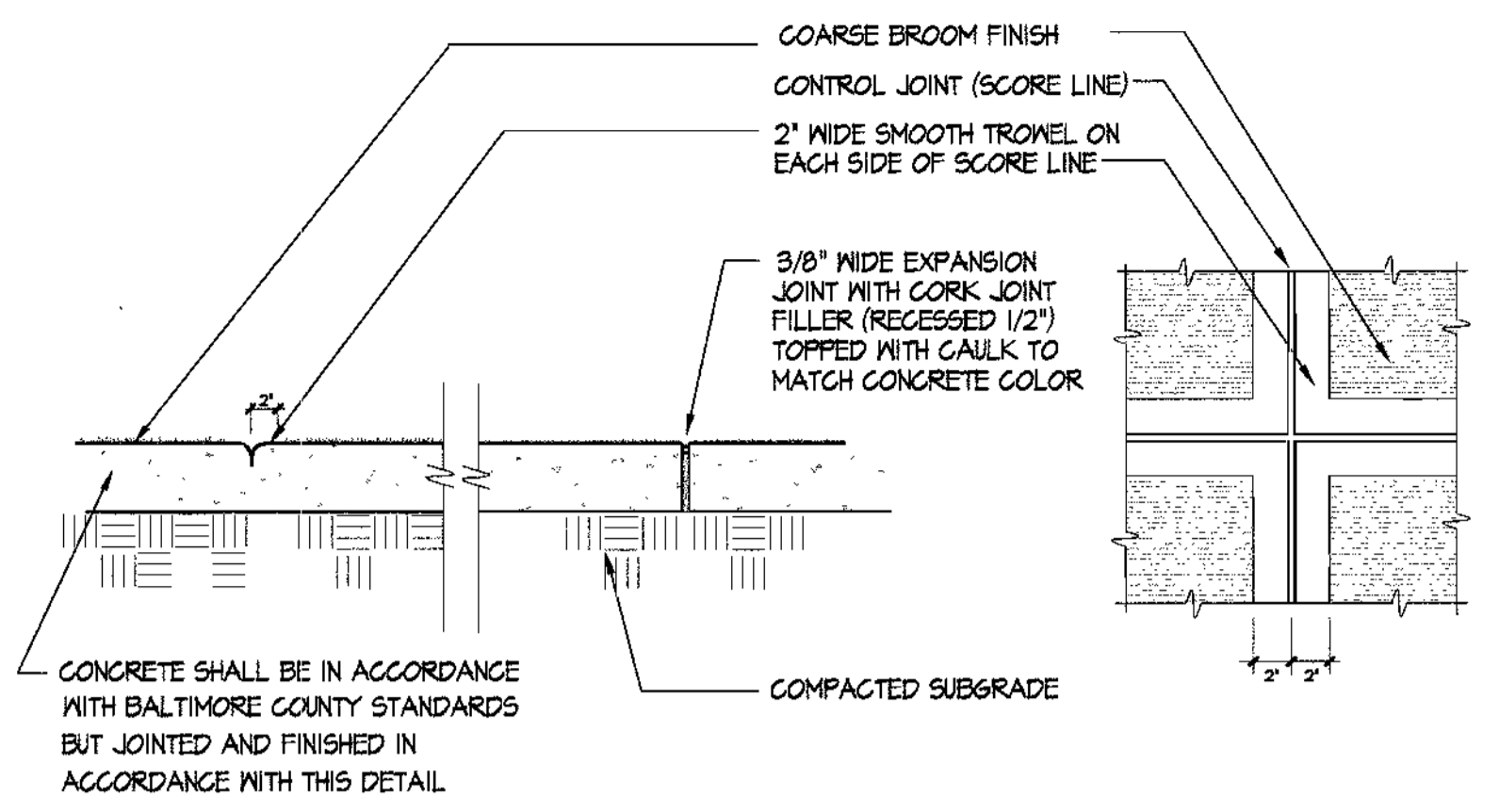


APPROVED: DEPARTMENT OF PLANNING & ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DIRECTOR

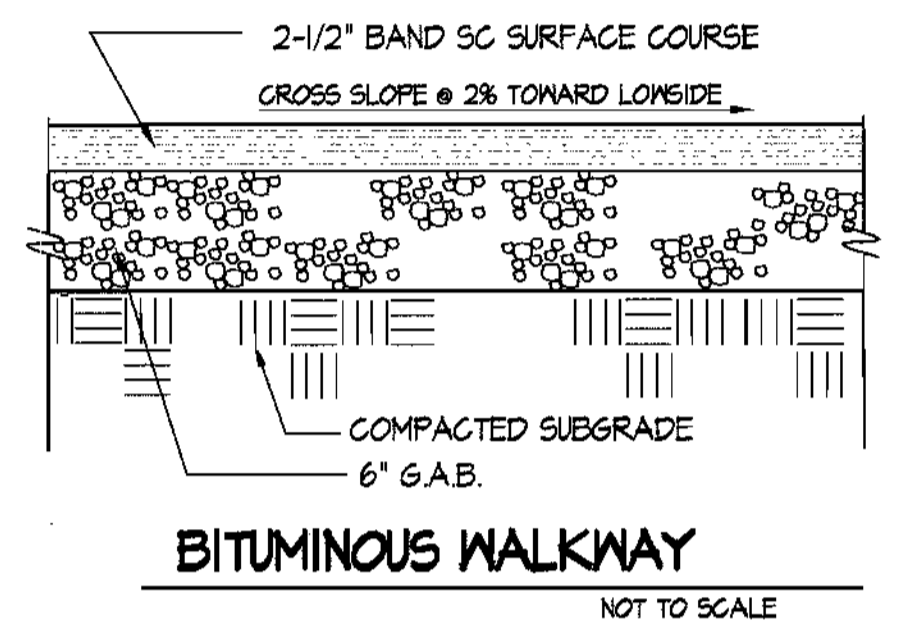
DATE: 7/30/01
 DATE: 8/12/01
 DATE:

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER
 HONORARY COUNTY HEALTH DEPARTMENT

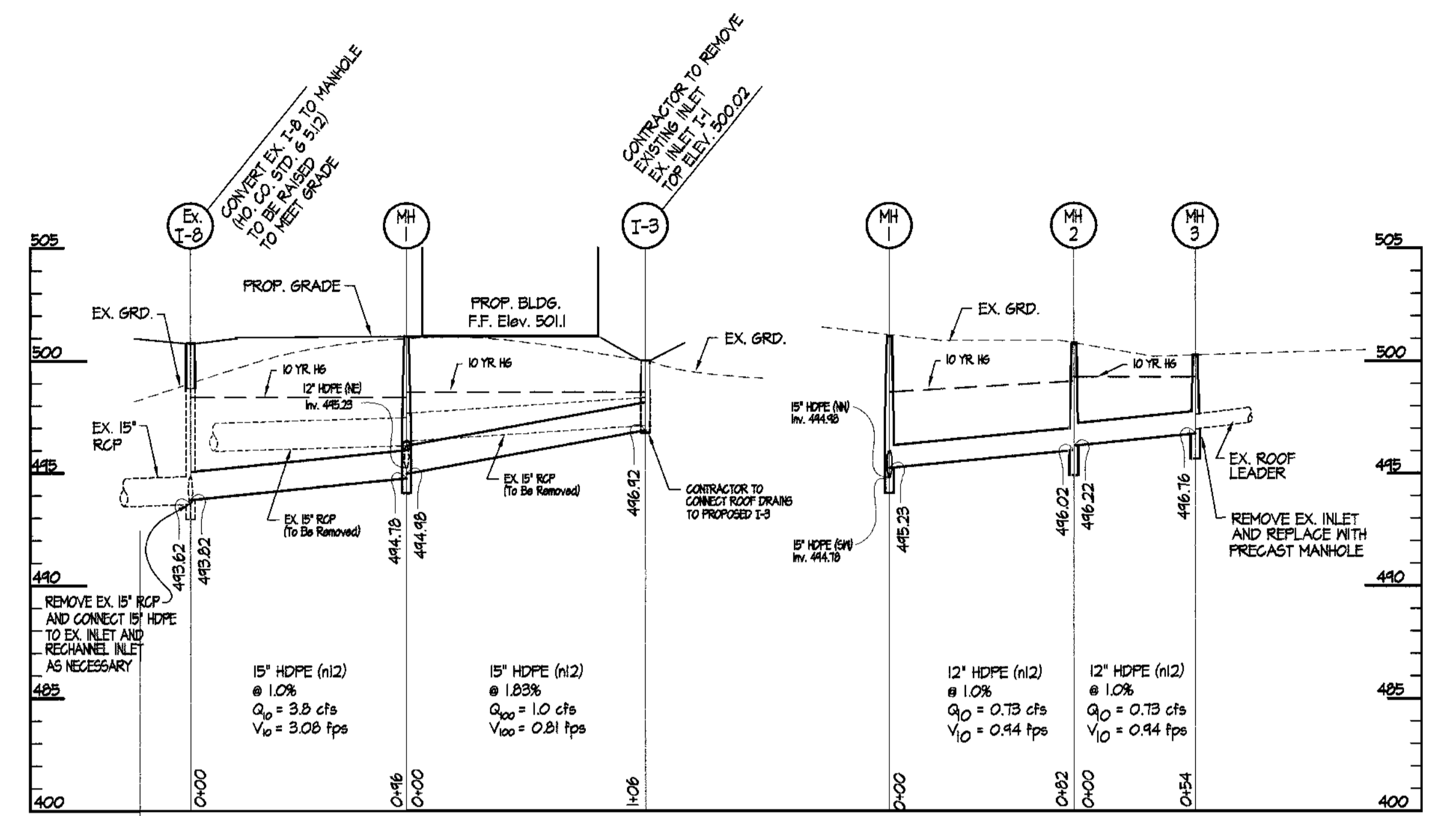
DATE: 8/3/01
 DATE:



CONCRETE WALK
NOT TO SCALE



BITUMINOUS WALKWAY
NOT TO SCALE

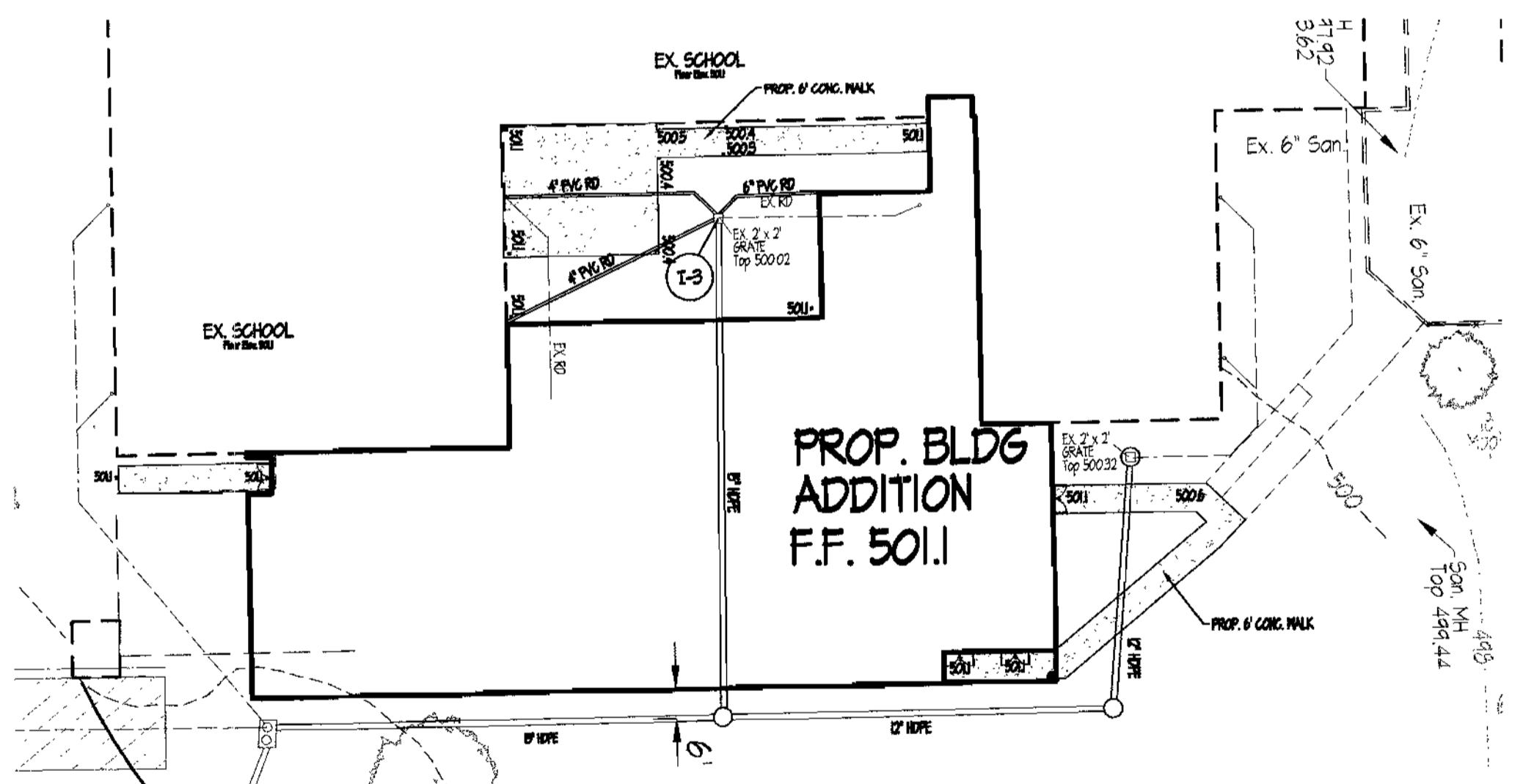


PROFILE SCALE: HOR. 1" = 50'
STRUCTURE SCHEDULE

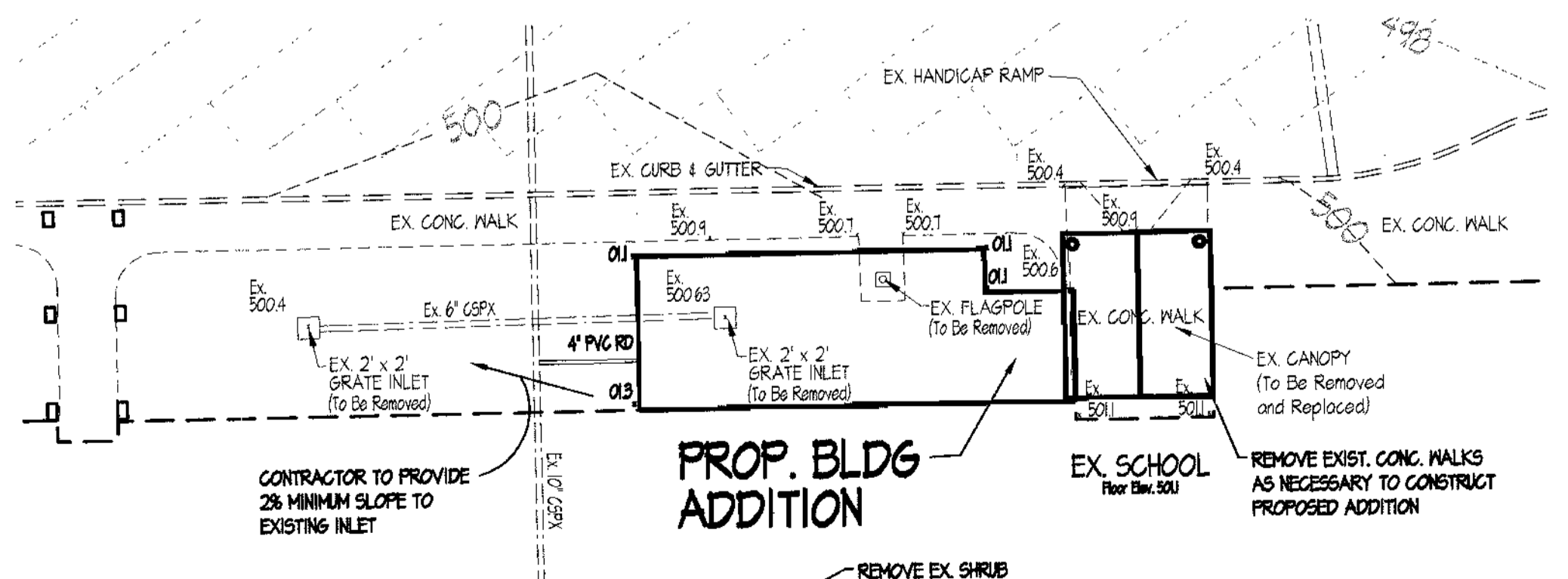
No.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS	LOCATION
M-1	PRECAST MANHOLE	444.98 / 445.23	444.78	501.1	HO. CO. STD. 65.12 - 4'-0" ROUND	SEE PLAN
M-2	PRECAST MANHOLE	446.02	446.22	501.1	HO. CO. STD. 65.12 - 4'-0" ROUND	SEE PLAN
M-3	PRECAST MANHOLE	-	446.76	500.8	HO. CO. STD. 65.12 - 4'-0" ROUND	SEE PLAN
I-3	PRECAST SINGLE INLET	-	446.92	500.02	HO. CO. STD. 5D4.3T	SEE PLAN

PIPE SCHEDULE

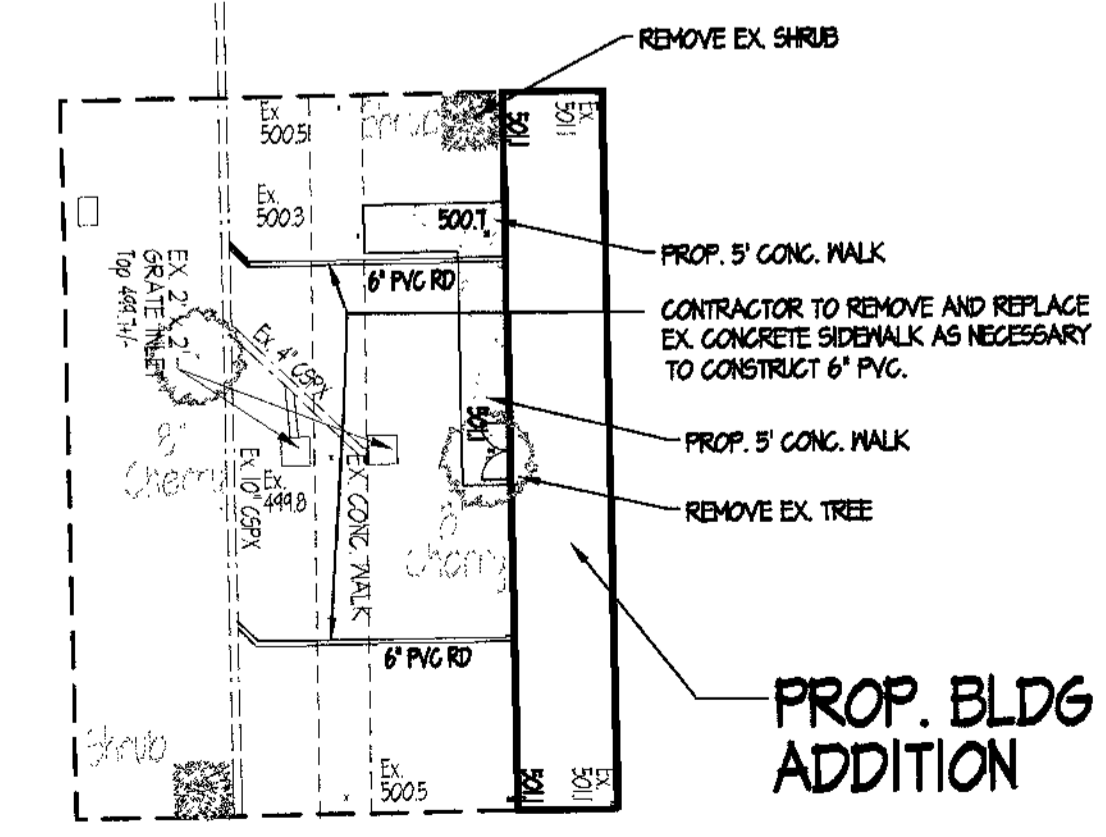
SIZE	TYPE	L.F.
12"	HDPE (n12)	136
15"	HDPE (n12)	202



INSET PLAN No. 3 DETAIL
SCALE: 1" = 30'



INSET PLAN # 1 DETAIL
SCALE: 1" = 20'



INSET PLAN No. 2 DETAIL
SCALE: 1" = 20'

OWNER: Board of Education of Howard County
 Elkott City, MD, 21043 Phone: 410-313-6704

Clarksville Elementary School Additions - Renovations
 12041 Md. Route 108 Clarksville, Maryland 21024
 5 th Election District Howard County, Maryland
 Tax Map 24 Grid H4 Parcel 124 Zoning: R-20 Deed Ref. 346 / 287

Drainage Area Map And Storm Drain Profiles

REVISIONS

STATE OF MARYLAND
 PROFESSIONAL ENGINEER

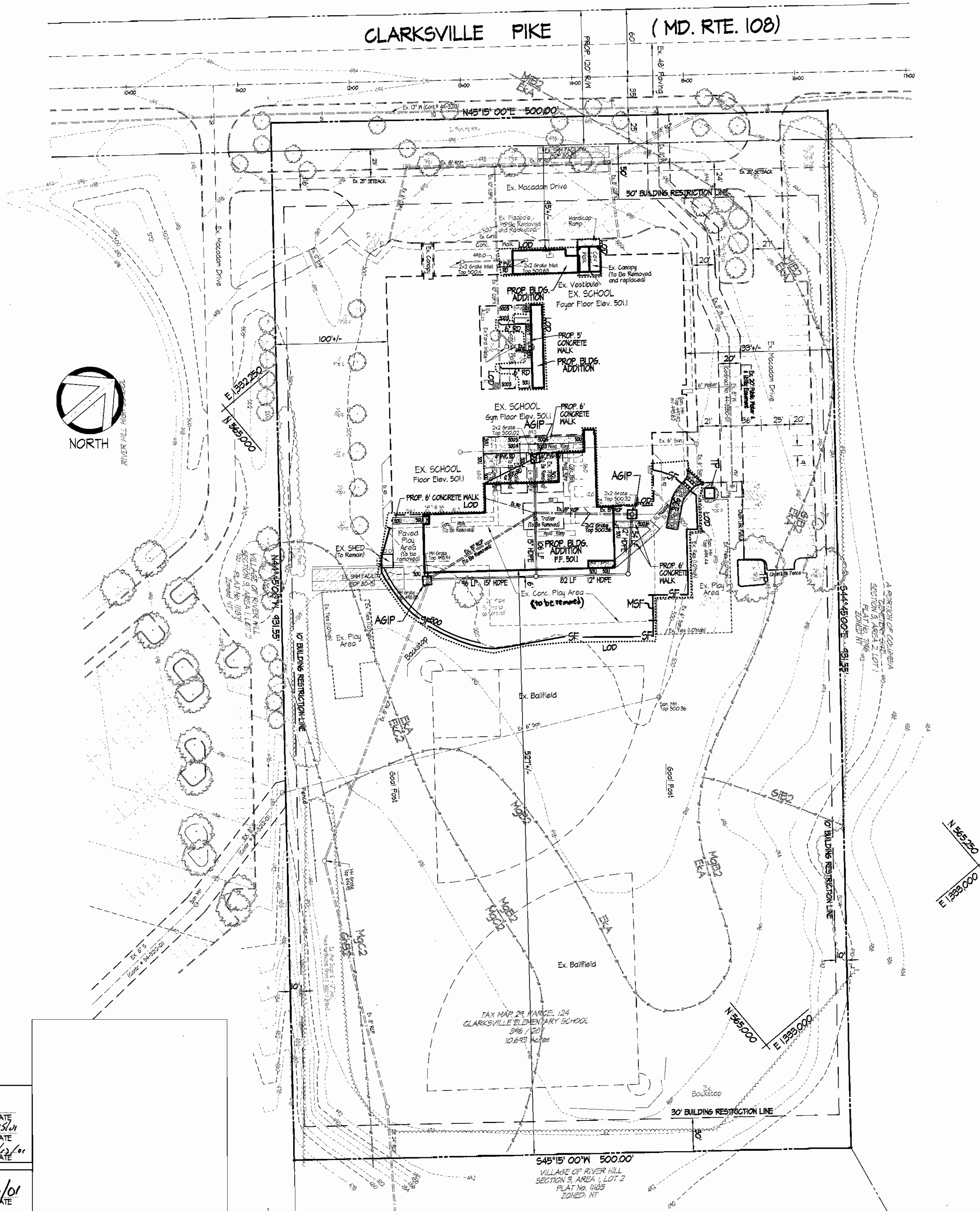
SITE RESOURCES
 Comprehensive Land Planning & Site Design Services
 16397 Arrettsville Pike • Phoenix, Maryland 21151
 (410) 683-3388 • Fax (410) 683-3389

DRAWN BY: TPD CONTRACT NO.:

DESIGNED BY: JST/JLS SCALE: 1" = 50'

CHECKED BY: JLS SRI PROJECT NO: 01048

DATE: July 20, 2001 SHEET 2 OF 4



SITE ANALYSIS

TOTAL AREA OF SITE:	10.61 AC +/- / 465,886 SF +/-
DISTURBED AREA:	0.92 AC +/- / 39,936 SF +/-
IMPERVIOUS AREA:	0.34 AC +/- / 14,810 SF +/-
VEG. STABILIZED AREA:	0.58 AC +/- / 25,121 SF +/-
TOTAL CUT:	500 C.Y. +/-
TOTAL FILL:	500 C.Y. +/-
SILT FENCE:	625 L.F.
STAB. CONSTR. ENTR.	1 Each

Legend

- PROPERTY LINE
- RIGHT OF WAY LINE
- EXISTING CONTOURS
- PROPOSED CONTOUR
- LIMIT OF DISTURBANCE
- STABILIZED CONSTRUCTION ENTRANCE w/ MOUNTABLE BERM
- SILT FENCE
- MODIFIED SILT FENCE
- AT GRADE INLET PROTECTION
- TREE PROTECTION FENCE

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.
John M. ... 7/27/01
 USNR - NATURAL RESOURCES CONSERVATION SERVICE DATE
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John M. ... 7/27/01
 HOWARD SOIL CONSERVATION DISTRICT DATE

ENGINEER'S CERTIFICATE
 "I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."
Jeffrey L. Schwab 7/20/01
 ENGINEER JEFFREY L. SCHWAB DATE

DEVELOPER'S CERTIFICATE
 "I/We certify that all development and construction will be done according to this plan for sediment and erosion 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 Soil Conservation District."
Wm. B. 7-20-01
 DEVELOPER DATE

OWNER: Board of Education of Howard County
 10410 Route 108
 Elkocott City, MD. 21043 Phone: 410-313-6104
Clarksville Elementary School Additions - Renovations
 12041 Md. Route 108 Clarksville, Maryland 21024
 5th Election District Howard County, Maryland
 Tax Map 29 Grid 19 Parcel 124 Zoning: R-20 Deed Ref. 346 / 287

Erosion & Sediment Control Plan

REVISIONS

SITE RESOURCES
 INCORPORATED
 Comprehensive Land Planning & Site Design Services
 14307 Jarrattville Pike • Plover, Maryland 21131
 (410) 683-3388 • fax (410) 683-3389

DRAWN BY: TPD	CONTRACT NO.:
DESIGNED BY: JST/LLS	SCALE: 1" = 50'
CHECKED BY: JLS	SRI PROJECT NO: 01048
DATE: July 20, 2001	SHEET 3 OF 4

APPROVED: DEPARTMENT OF PLANNING & ZONING
[Signature] 7/20/01
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
[Signature] 8/13/01
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT

- Copyright, Site Resources, Inc.
 7/20/01 9:35 AM 01048_SEC_1Plan.dwg

SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (410-313-1055).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol.1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec.51), sod (Sec.54), temporary seeding (Sec.50) and mulching (Sec.52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative conditions until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- SITE ANALYSIS:
 - Total Area of Site: 106.9 Acres
 - Area Disturbed: 106 Acres
 - Area to be roofed or paved: 0.34 Acres
 - Area to be vegetatively stabilized: 0.72 Acres
 - Total Cut: 302 Cu. Yds.
 - Total Fill: 300 Cu. Yds.
 - Offsite Paved/Borrow Area Location: _____
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control 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. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized by the end of each work day, whichever is shorter.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules

- Preferred** -- Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs/acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft.)
- Acceptable** -- Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs/acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.

Seeding -- For the periods March 1 -- April 30, and August 1 -- October 15, seed with 60 lbs/acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 -- July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs/acre (.05 lbs/1000 sq. ft.) of weeping lovegrass. During the period of October 16 -- February 28, protect site by: **Option 1** -- Two tons per acre of well anchored straw mulch and seed as soon as possible in the spring. **Option 2** -- Use sod. **Option 3** -- Seed with 60 lbs/acre Kentucky 30 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching -- Apply 1-1/2 to 2 tons per acre (10 to 90 lbs/1000 sq. ft.) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2lb gallons per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slope 8 feet or higher, use 34b gallons per acre (8 gal/1000 sq. ft.) for anchoring.

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

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be re-disturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: -- Apply 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.)

Seeding -- For the periods March 1 -- April 30, and August 1 -- October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq. ft.). For the period May 1 -- August 14, seed with 3 lbs/acre of weeping lovegrass (.07 lbs/1000 sq. ft.). For the period November 16 -- February 28, protect site by apply 2 tons/acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching -- Apply 1-1/2 to 2 tons per acre (10 to 90 lbs/1000 sq. ft.) of unrattled need-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2lb gallons per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slope 8 feet or higher, use 34b gallons per acre (8 gal/1000 sq. ft.) for anchoring.

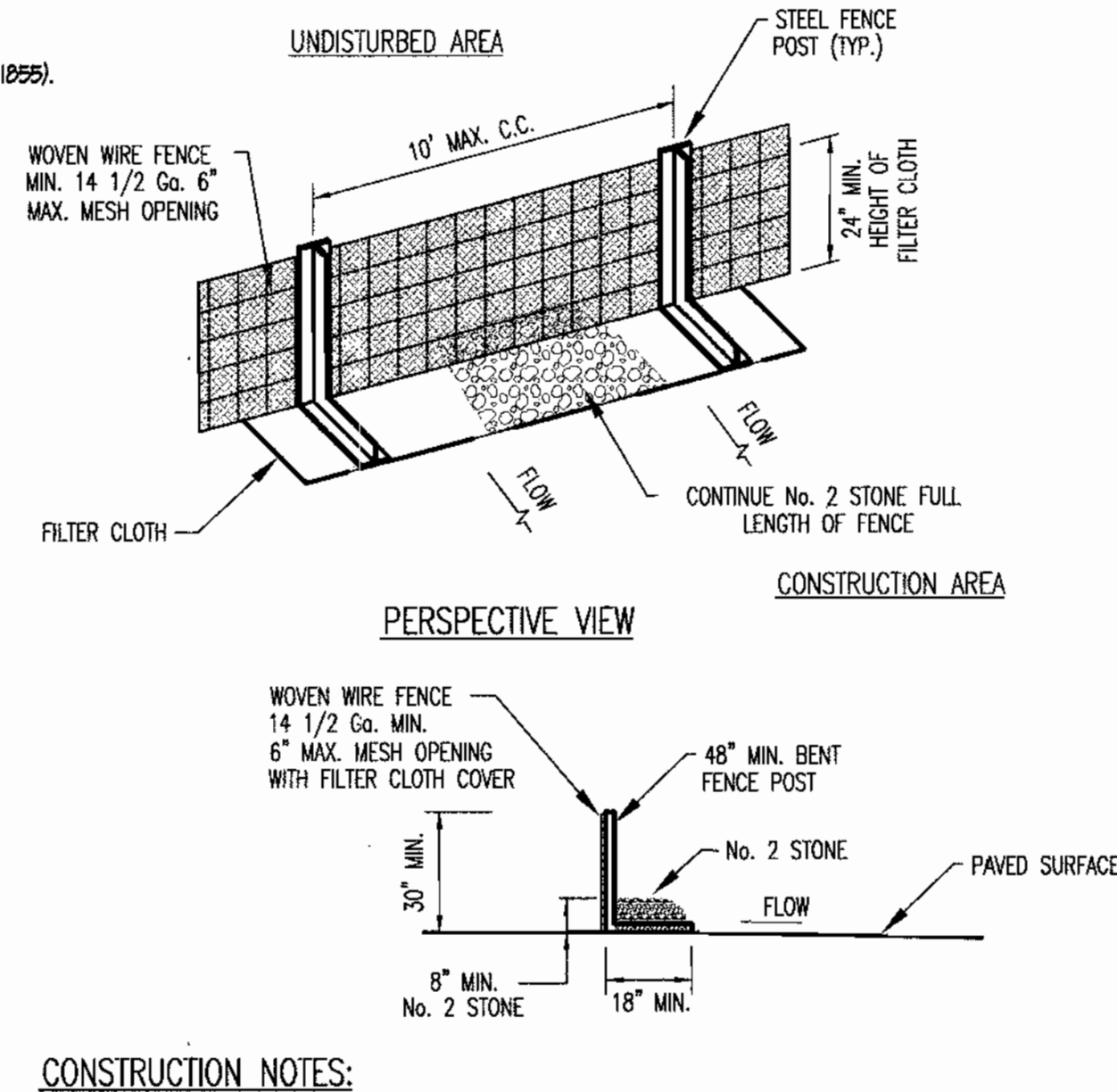
Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

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

DATE: 7/20/01
 DATE: 8/13/01
 DATE: 8/13/01

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

DATE: 8/13/01

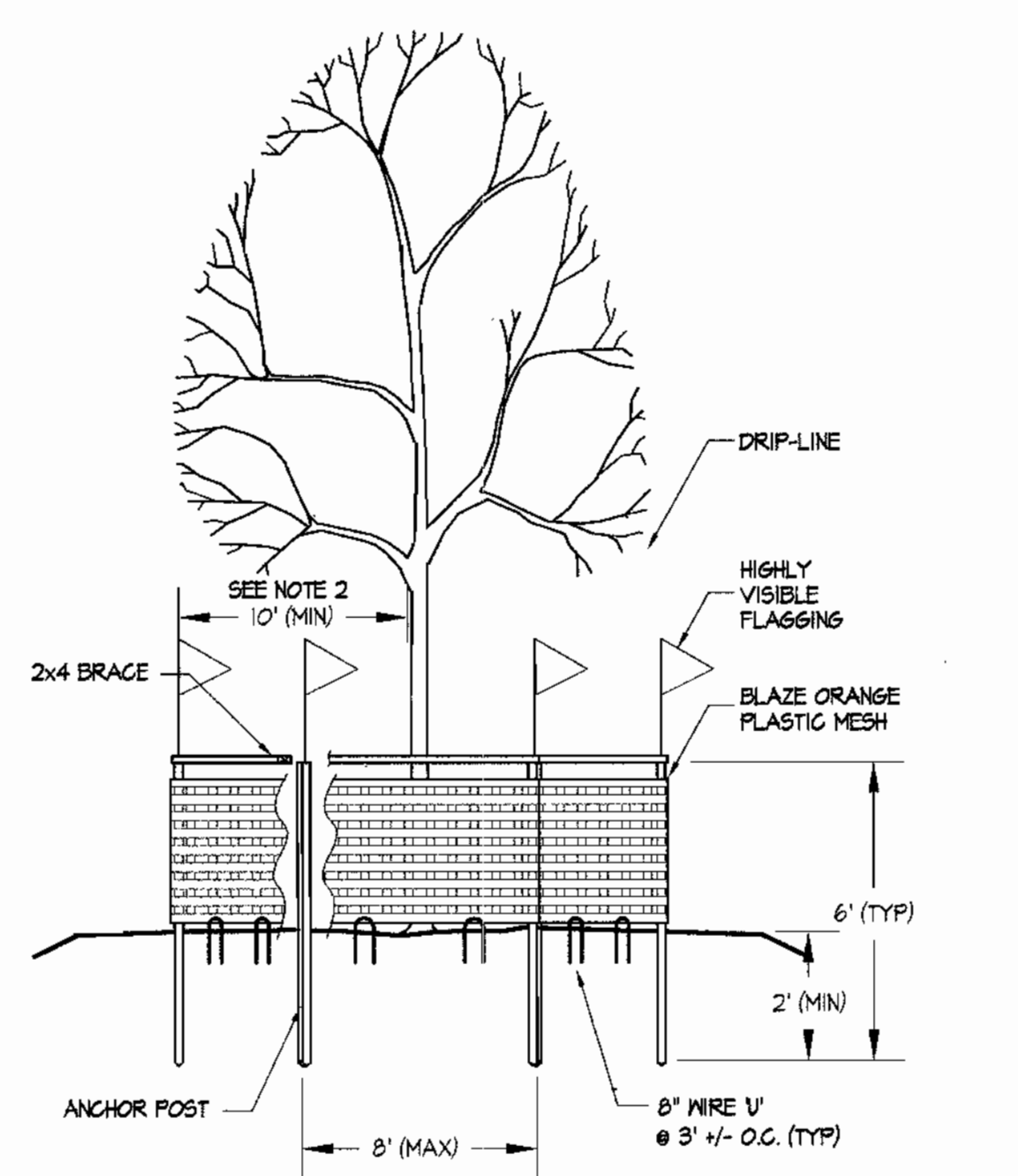


CONSTRUCTION NOTES:

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH TIES OR STAPLES.
 - FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
- POSTS: STEEL EITHER T OR D TYPE.
 FENCE WOVEN WIRE 14 1/2 Ga. 6" MAX. MESH OPENING.
 FILTER CLOTH: 600 X MIRAFI RAILROAD CLOTH OR EQUIVALENT.

MODIFIED SILT FENCE - PAVED AREAS

NOT TO SCALE



- Forest protection device only.
- Retention area will be set as part of the review process.
- Boundaries of retention area to be staked and flagged prior to installing device.
- Root damage should be avoided.
- Protection signage may also be used.
- Maintain tree protection devices throughout construction.
- This fence is a tree protection device only.

TREE PROTECTION FENCE

NOT TO SCALE

MATERIALS SPECIFICATIONS
 Geotextile Fabrics

CLASS	APPARENT OPENING SIZE MM. MAX.	GRAB TENSILE STRENGTH LB. MIN.	BURST STRENGTH PSI. MIN.
A	0.30**	250	500
B	0.60	200	320
C	0.30	200	320
D	0.60	90	145
E	0.30	90	145
F (SILT FENCE)	0.40-0.80*	90	190

*1/2 Std. Sieve CW-02215 **50 mm. max. for Super Silt Fence

The properties shall be determined in accordance with the following procedures:

- Apparent opening size MSMT 323
- Grab tensile strength ASTM D 1682: 4xØ specimen, 1x2" clamps, 12"/min. strain rate in both principal directions of geotextile fabric.
- Burst strength ASTM D 3786

The fabric shall be inert to commonly encountered chemicals and hydrocarbons, and will be rot and mildew resistant. It shall be manufactured from fibers consisting of long chain synthetic polymers, and composed of a minimum of 85% by weight of polypropylene, polyesters, or polyamides. The geotextile fabric shall resist deterioration from ultraviolet exposure.

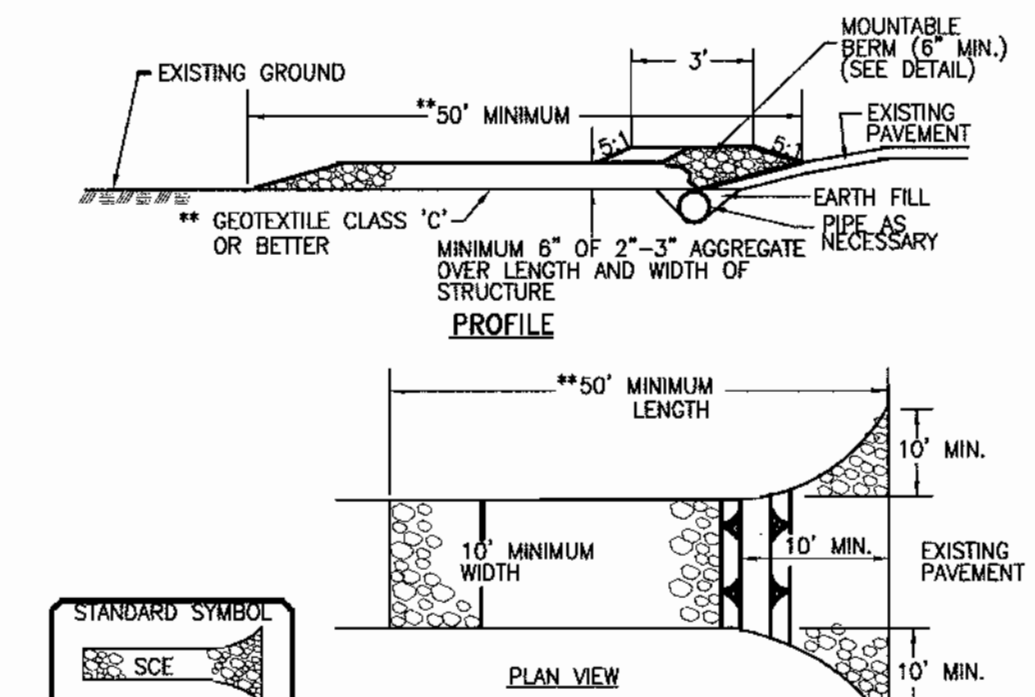
In addition, Classes A through E shall have a 0.01 cm/sec. minimum permeability when tested in accordance with MSMT 501, and an apparent minimum elongation of 20 percent (20%) when tested in accordance with the grab tensile strength requirements listed above.

Silt Fence
 Class F geotextile fabrics for silt fence shall have a 50 lb./in. minimum tensile strength and a 20 lb./in. minimum tensile modulus when tested in accordance with MSMT 501. The material shall also have a 0.3 gal./sq. min. flow rate and seventy-five percent (75%) minimum filtering efficiency when tested in accordance with MSMT 322.

Geotextile fabrics used in the construction of silt fence shall resist deterioration from ultraviolet exposure. The fabric shall contain sufficient amounts of ultraviolet ray inhibitors and stabilizers to provide a minimum of 12 months of expected usable construction life at a temperature range of 0 to 120 degrees F.

SEQUENCE OF CONSTRUCTION

- | SEQUENCE OF CONSTRUCTION | NUMBER OF DAYS |
|--|----------------|
| 1. Obtain grading permit. | 7 |
| 2. Install tree protection fence where shown. | 7 |
| 3. Install erosion and sediment control measures. | 7 |
| 4. Excavate for building and rough grade site. | 14 |
| 5. Construct storm drainage and install IPD. | 14 |
| 6. Construct building addition. | 90 |
| 7. Fine grade and stabilize all disturbed areas on site, in accordance with standards and specifications. | 90 |
| 8. When graded areas are stabilized and with the approval of the sediment control inspector, remove erosion and sediment control measures and stabilize areas disturbed by this process. | 30 |

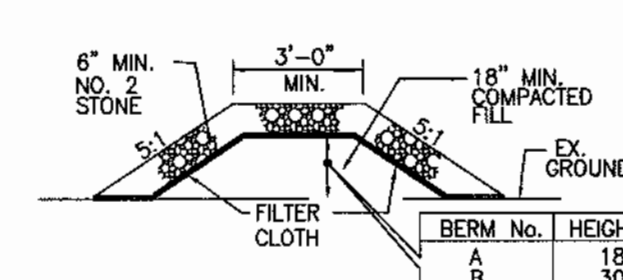


CONSTRUCTION SPECIFICATION

- LENGTH - MINIMUM OF 50' (*30' FOR SINGLE RESIDENCE LOT).
- WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE. **THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE.
- STONE - CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
- SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 8" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SOE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.
- LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.

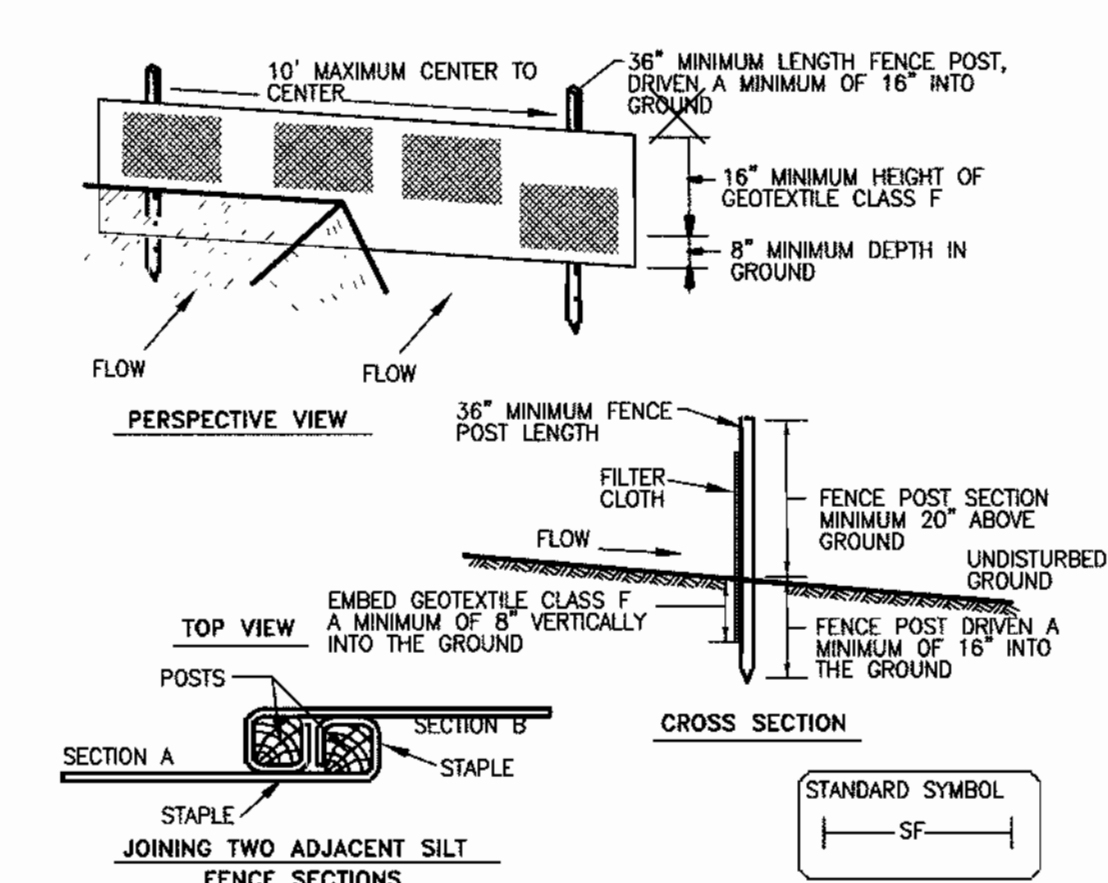
STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



MOUNTABLE BERM

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

- FENCE POSTS SHALL BE A MINIMUM OF 36" LONG DRIVEN 16" MINIMUM INTO THE GROUND. WOOD POSTS SHALL BE 1 1/2" X 1 1/2" SQUARE (MINIMUM) CUT, OR 1 3/4" DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.
- GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:

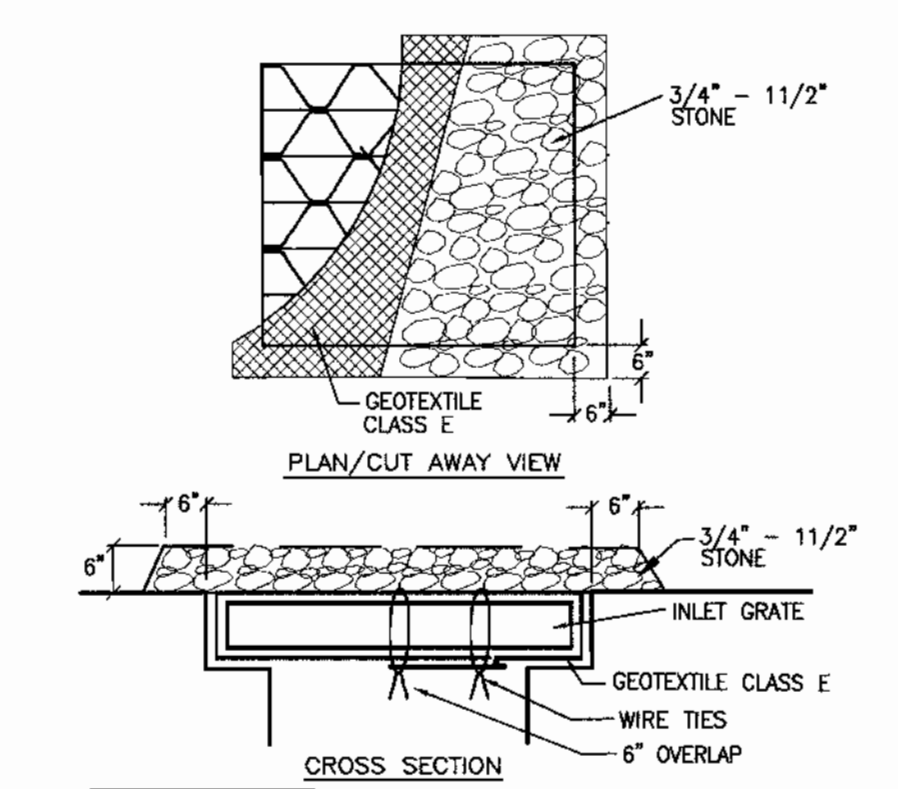
TENSILE STRENGTH	50 LBS./IN. (MIN.)	TEST: MSMT 509
TENSILE MODULUS	20 LBS./IN. (MIN.)	TEST: MSMT 509
FLOW RATE	0.3 GAL. FT. / MINUTE (MAX.)	TEST: MSMT 322
FILTERING EFFICIENCY	75% (MIN.)	TEST: MSMT 322
- WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
- SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

CLASS	APPARENT OPENING SIZE MM. MAX.	GRAB TENSILE STRENGTH LB. MIN.	BURST STRENGTH PSI. MIN.
F (SILT FENCE)	0.40 - 0.80*	90	190

* 1/2 STD. SIEVE CW-02215

SILT FENCE

NOT TO SCALE



AT GRADE INLET PROTECTION

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. LIFT GRATE AND WRAP WITH GEOTEXTILE CLASS E TO COMPLETELY COVER ALL OPENINGS THEN SET GRATE BACK IN PLACE.
2. PLACE 3/4" TO 1 1/2" STONE, 4" - 6" THICK ON THE GRATE TO SECURE THE FABRIC AND PROVIDE ADDITIONAL FILTRATION.

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

Jim Myers
 USFS - NATURAL RESOURCES CONSERVATION SERVICE
 DATE: 7/27/01

J.P. Williams
 HOWARD SOIL CONSERVATION DISTRICT
 DATE: 7/27/01

ENGINEER'S CERTIFICATE

I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

ENGINEER: Jeffrey L. Schwab
 DATE: 7/26/01

DEVELOPER'S CERTIFICATE

I/we certify that all development and construction will be done according to this plan for sediment and erosion 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.

DEVELOPER: Wm. B. [Signature]
 DATE: 7.20.01

OWNER:

Board of Education of Howard County
 10410 Route 100
 Elkott City MD, 21043 Phone: 410-319-6104

Clarksville Elementary School Additions - Renovations

12041 Md. Route 100 Clarksville, Maryland 21024
 5th Election District Howard County, Maryland
 Tax Map 24 Grid 19 Parcel 124 Zoning: R-20 Dead Rpt. 946 / 287

Erosion & Sediment Control Notes & Details

REVISIONS

DRAWN BY: TPD CONTRACT NO.:

DESIGNED BY: JST/JLS SCALE: 1" = 50'

CHECKED BY: JLS SRI PROJECT NO: 01048

DATE: July 20, 2001 SHEET 4 OF 4

STATE OF MARYLAND

SITE RESOURCES

Incorporated
 Comprehensive Land Planning & Site Design Services

14077 Jarrville Pike • Phoenix, Maryland 21151
 (410) 683-3388 • Fax (410) 683-3389

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