

- LEGEND:**
- 1. Contour Interval 2 Ft.
  - 2. Ex. Contours 433
  - 3. Proposed Contours 430
  - 4. Spot Elevation + 30 ±
  - 5. Ex. Trees to be Retained C53

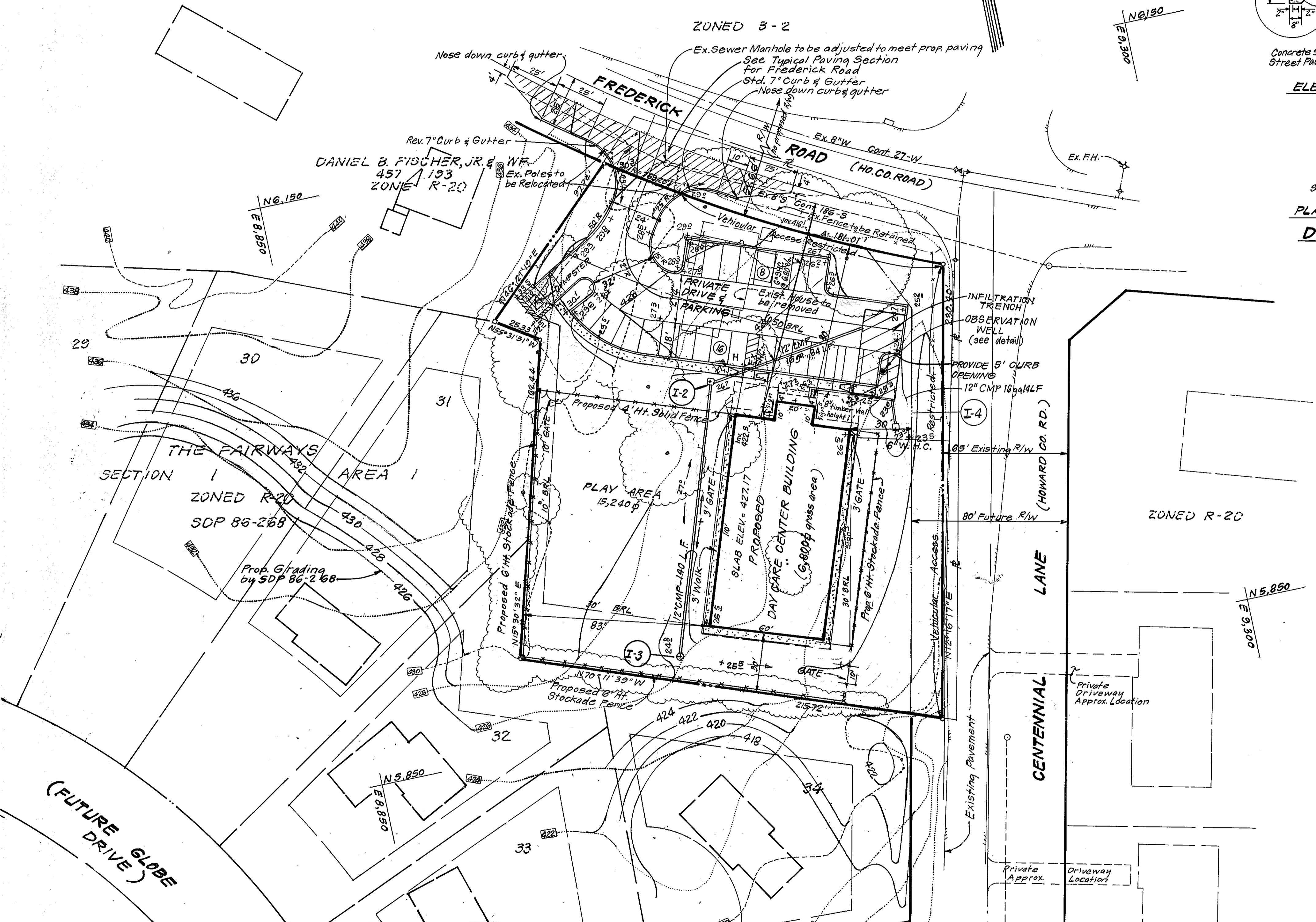
- GENERAL NOTES:**
1. All materials and construction to be in accordance with Howard County Road Construction Code and Specifications.
  2. Coordinates are based on the Maryland State Plane as projected by Howard County Monuments 3240005 and 3240006.
  3. All driveways and parking to be privately owned and maintained.
  4. Any damage to county owned rights of way to be corrected at the Developer's expense.
  5. Installation of traffic control devices shall be in accordance with the latest edition of the "Manual of Uniform Traffic Control".
  6. Topography was compiled from actual field survey.
  7. The area shown is located on Tax Map # 24 Parcel 65.
  8. Trench bedding for storm drainage shall be in accordance with Howard County Std. S.D. 62.01.
  9. Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location by digging test pits, by hand, at all utility crossings; well in advance of construction.
  10. The contractor or developer shall contact the Construction Inspection, Survey Division 24 hrs. in advance of work at 992-2417 or 792-7272.
  11. All downspout drains shall be handled by downspout to splash blocks and discharged to ground having good percolation.
  12. The developer agrees to work with the Dept. of Licenses & Inspection to resolve any problems caused by roof water discharge.
  13. Handicap Parking Details shall be in accordance with the "Maryland Building Code for the Handicapped," Sect. 5.01-7.05 and details sht 2.
  14. This plan is subject to Special Exception BA Case No. 86-14 E.
  15. Recording Reference: Liber 1554 Folio 691.
  16. Lighting: All lighting is from building only and shall be directed away from adj. properties.

**SITE ANALYSIS:**

1. Area of Parcel:	1.329 Ac.
2. Current Zoning (Subject to special exception case no. 86-14 E)	R-20
3. Buildings Floor Space	6,800 sq
4. Max. number of Employees on site per use	12
5. Max. number of Children Attending per use	135
6. Parking Spaces Required (1 per 400 sq)	17
7. Parking Spaces Provided	24
8. Building Coverage Proposed (6,800 sq)	13.5% of net
9. Building Coverage Permitted	25%
10. Area of Parcel within existing rights of way	0.1759
11. Net Area	1.1538

LOT NO	STREET	ADDRESS
	10101 Frederick Road	Ellicott City

SUBDIVISION NAME	SECT. AREA	LOTS/PARCEL
La Petite Day Care Center	-	65
PLAT #	BLOCK #	ZONE
1554/691	1/2	B-2
TAX/ZONEMAP	ELEC.DIST.	CENSUBSTR.
24	2ND	6023.01
WATER CODE	SEWER CODE	
F-14	5910800	



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

*James W. Boyd* 7-2-87  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

*W. J. ...* 7-7-87  
PLANNING DIRECTOR DATE

APPROVED: DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION

*St. ...* 7-6-87  
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

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

*James ...* 7/6/87  
DIRECTOR DATE

*...* 6-30-86  
CHIEF BUREAU OF ENGINEERING DATE

APPROVED

DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION

HOWARD COUNTY, MARYLAND

DATE 4-7-87

*...*

Date	REVISION
2-3-88	Rev. handicap space loc, rev. S.D. loc., add timber wall.
11-23-87	Modify roof line - plan & elev.
9-29-87	Revised SWM



**CLARK • FINEFROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED	SCALE
WHT	1"=30'
DRAWN	DRAWING
VLM	1 OF 4
CHECKED	JOB NO.
WHT	85-054
DATE	FILE NO.
2-20-87	85-118-X

**SITE DEVELOPMENT PLAN**

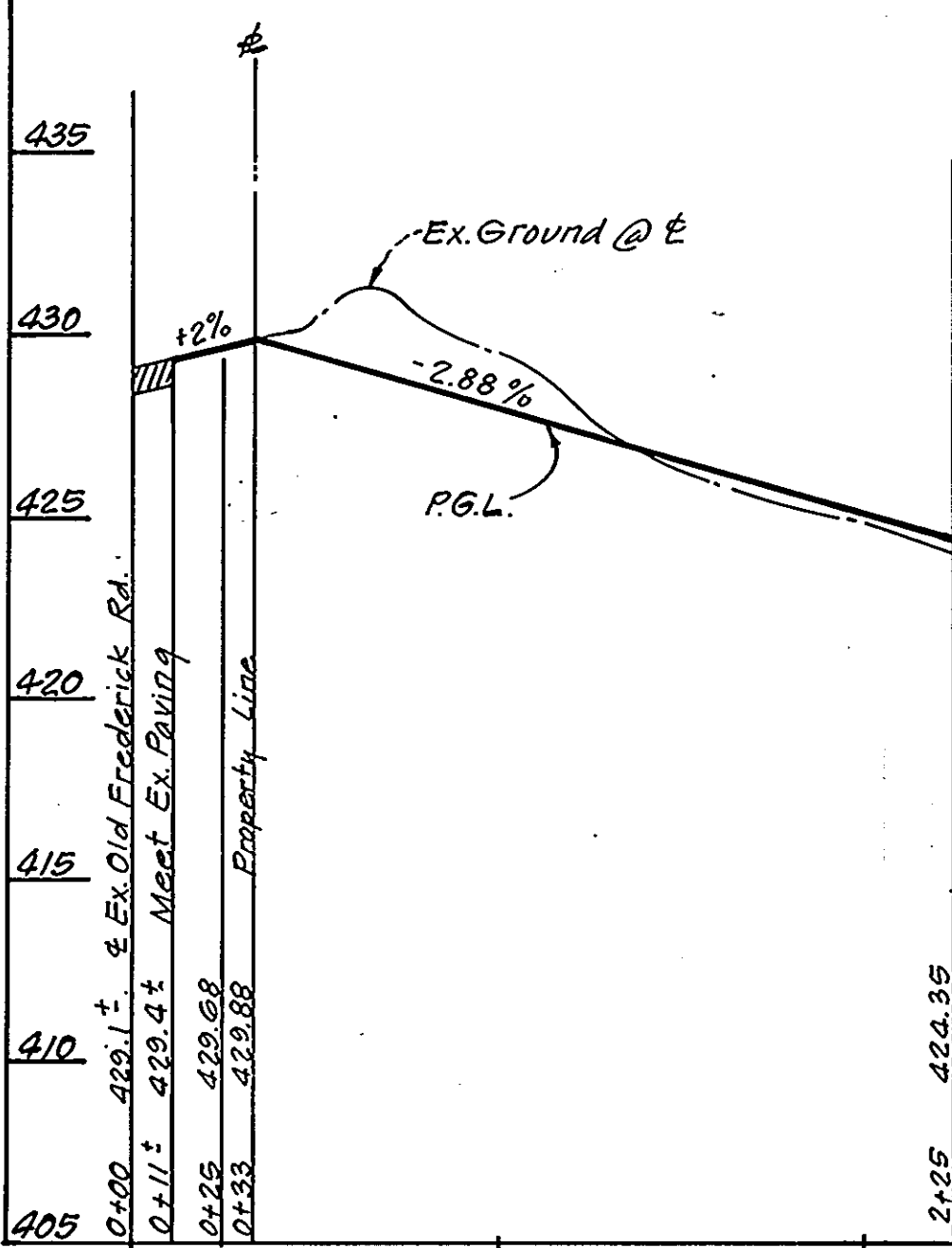
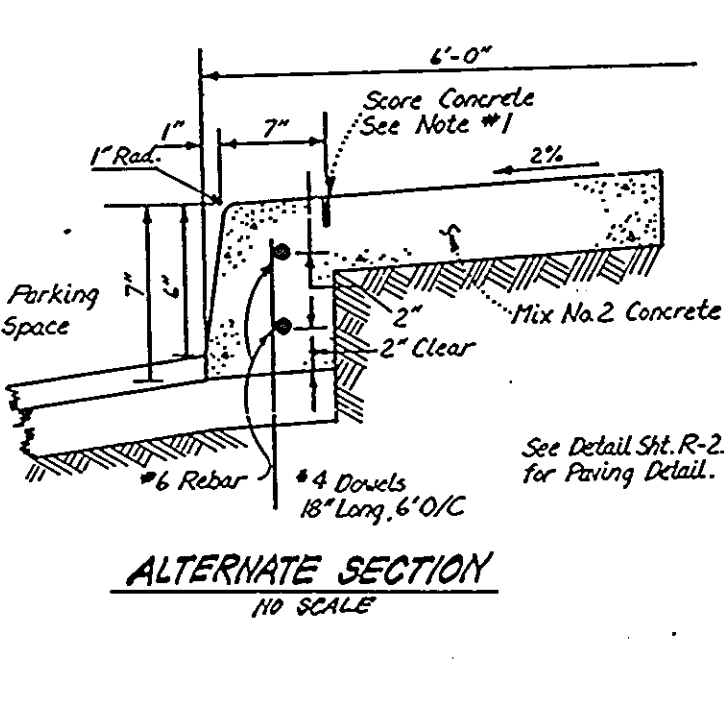
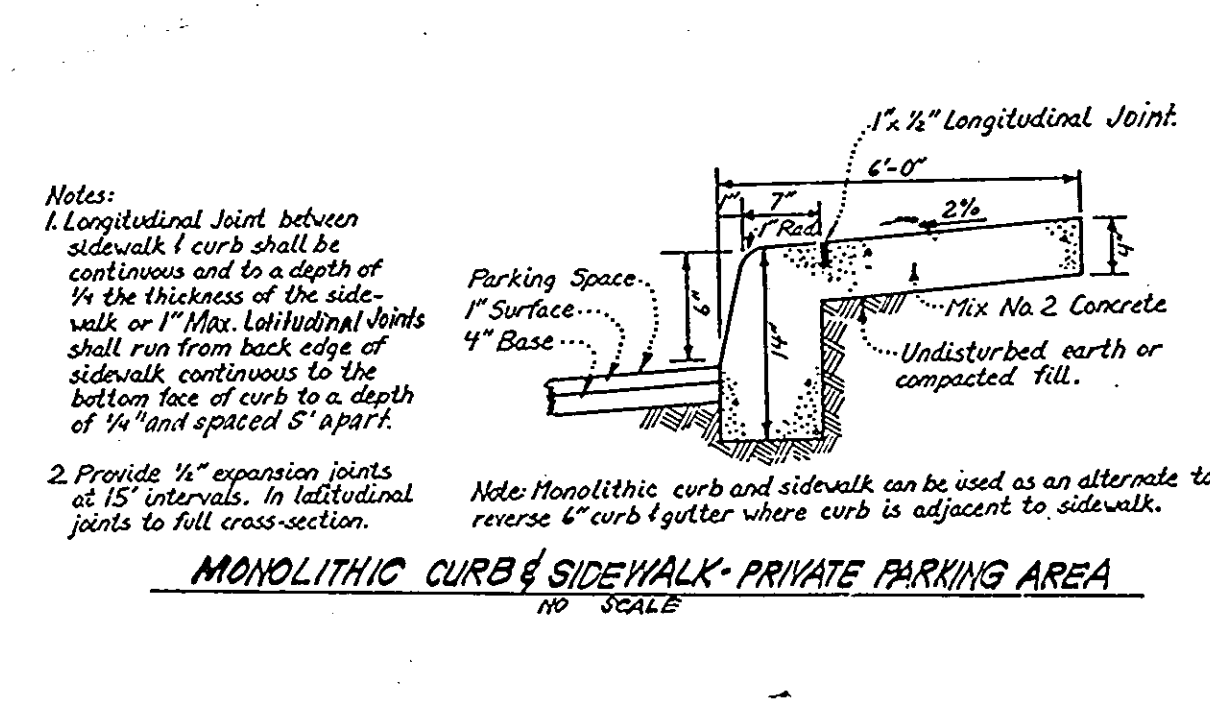
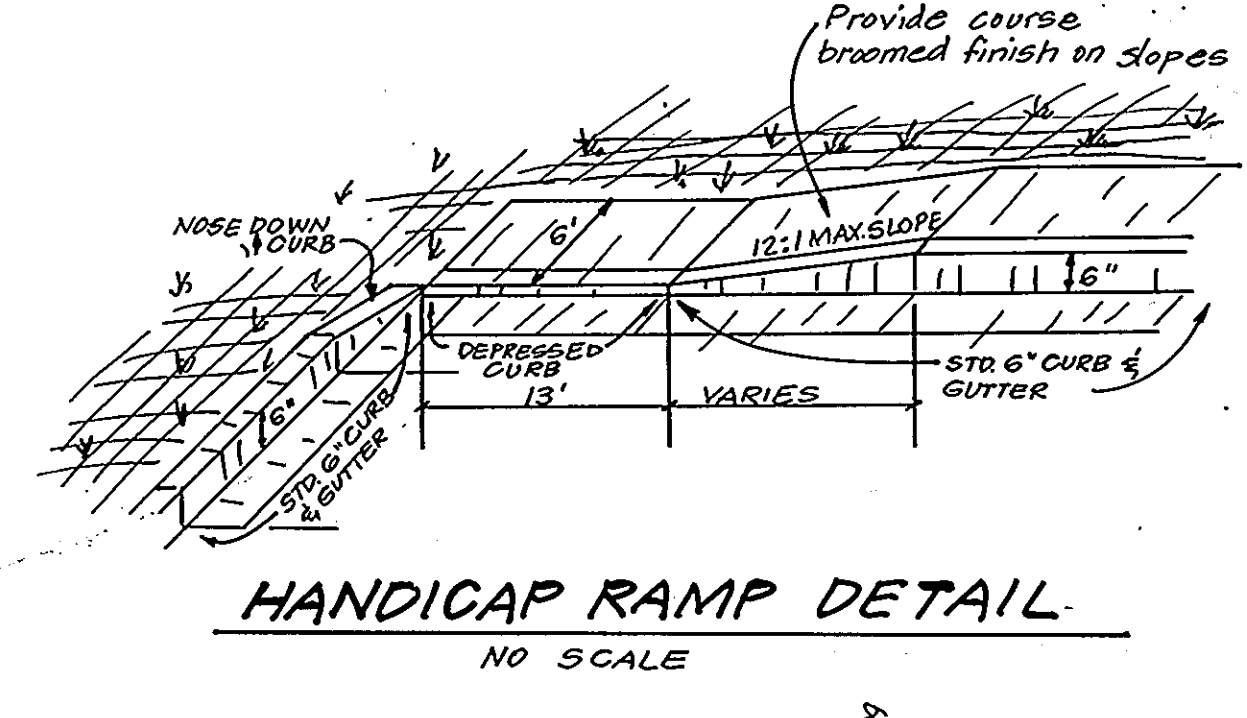
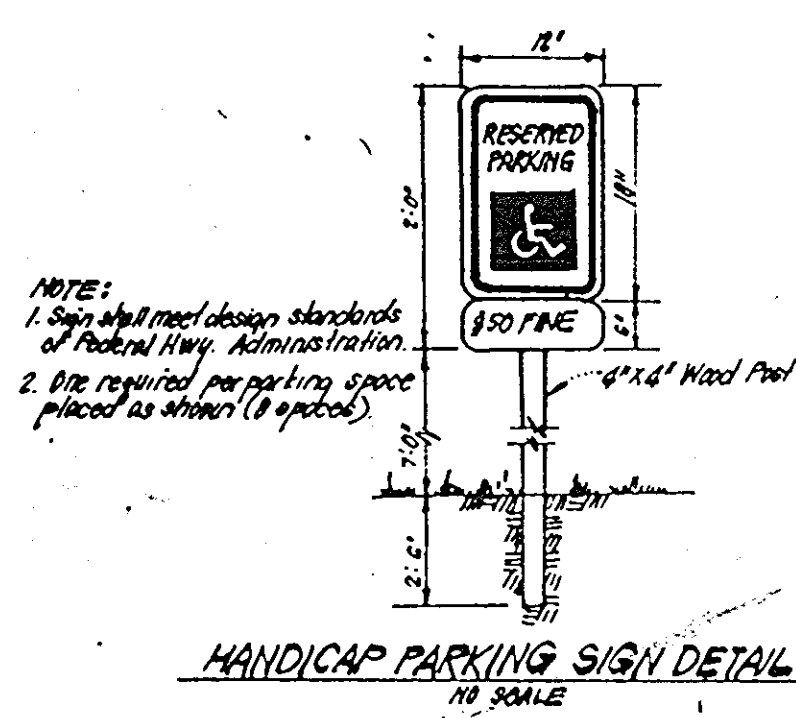
**LA PETITE DAY CARE CENTER**

PARCEL 65 TAX MAP # 24, LIBER 1554, FOLIO 691

2ND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

FOR: LA PETITE ACADEMY, INC.  
10th Floor, City Center Square, 12th & Baltimore P.O. Box 26610, Kansas City, Mo. 64136

**SDP-87-169**



**3.3.6. Construction Specifications for Infiltration Trench**

**3.3.6.1. Timing**  
An infiltration trench shall not be constructed or placed in service until all of the contributing drainage area has been stabilized and approved by the responsible inspector.

**3.3.6.2. Trench Preparation**  
Excavate the trench to the design dimensions. Excavated materials shall be placed away from the trench sides to enhance trench wall stability. Large tree roots must be trimmed flush with the trench sides in order to prevent fabric puncturing or tearing during subsequent installation procedures. The side walls of the trench shall be roughened where sheared and sealed by heavy equipment.

**3.3.6.3. Fabric Laydown**  
The filter fabric roll must be cut to the proper width prior to installation. The cut width must include sufficient material to conform to trench perimeter irregularities and for a 6-inch minimum top overlap. Place the fabric roll over the trench and unroll a sufficient length to allow placement of the fabric down into the trench. Stones or other anchoring objects should be placed on the fabric at the edge of the trench to keep the lined trench open during windy periods. When overlaps are required between rolls, the upstream roll should lap a minimum of 2 feet over the downstream roll in order to provide a shingled effect. The overlap ensures fabric continuity or to ensure that the fabric conforms to the excavation surface during aggregate placement and compaction.

**3.3.6.4. Stone Aggregate Placement and Compaction**  
The stone aggregate should be placed in lifts and compacted using plate compactors. As a rule of thumb, a maximum loose lift thickness of 12 inches is recommended. The compaction process ensures fabric conformity to the excavation sides, thereby reducing the potential for soil piping, fabric clogging, and settlement problems.

**3.3.6.5. Overlapping and Covering**  
Following the stone aggregate placement, the filter fabric shall be folded over the stone aggregate to form a 6" minimum longitudinal lap. The desired fill soil or stone aggregate shall be placed over the lap at sufficient intervals to maintain the lap during subsequent backfilling.

**3.3.6.6. Contamination**  
Care shall be exercised to prevent natural or fill soils from intermixing with the stone aggregate. All contaminated stone aggregate shall be removed and replaced with uncontaminated stone aggregate.

**3.3.6.7. Voids Behind Fabric**  
Voids can be created between the fabric and excavation sides and shall be avoided. Removing boulders or other obstacles from the trench walls is one source of such voids. Natural soils should be placed in these voids at the most convenient time during construction to ensure fabric conformity to the excavation sides. Soil piping, fabric clogging, and possible surface subsidence will be avoided by this remedial process.

**3.3.6.8. Unstable Excavation Sides**  
Vertically excavated walls may be difficult to maintain in areas where the soil moisture is high or where soft cohesive or cohesionless soils predominate. These conditions may require laying back of the side slopes to maintain stability; trapezoidal rather than rectangular cross sections may result.

**3.3.6.9. Vegetative Buffer**  
A vegetative buffer of at least 20 feet (wider, if possible) shall be used to intercept surface runoff from all impervious areas.

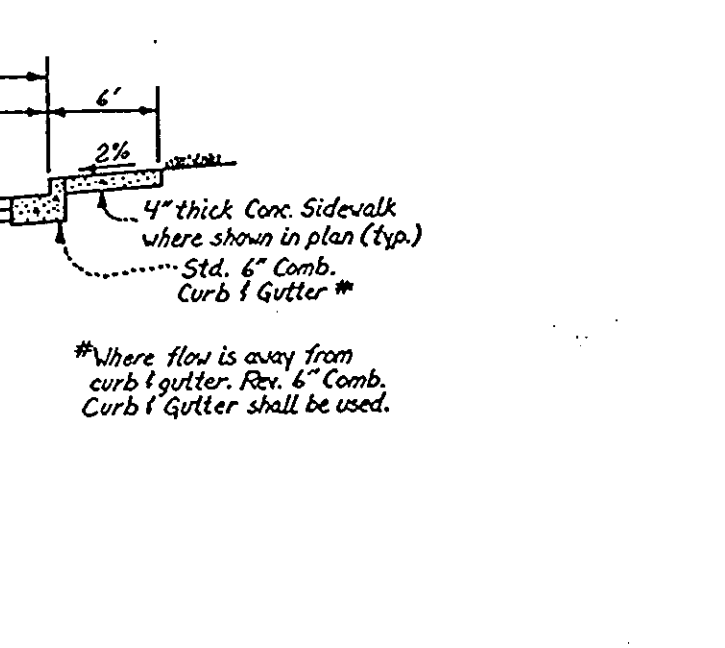
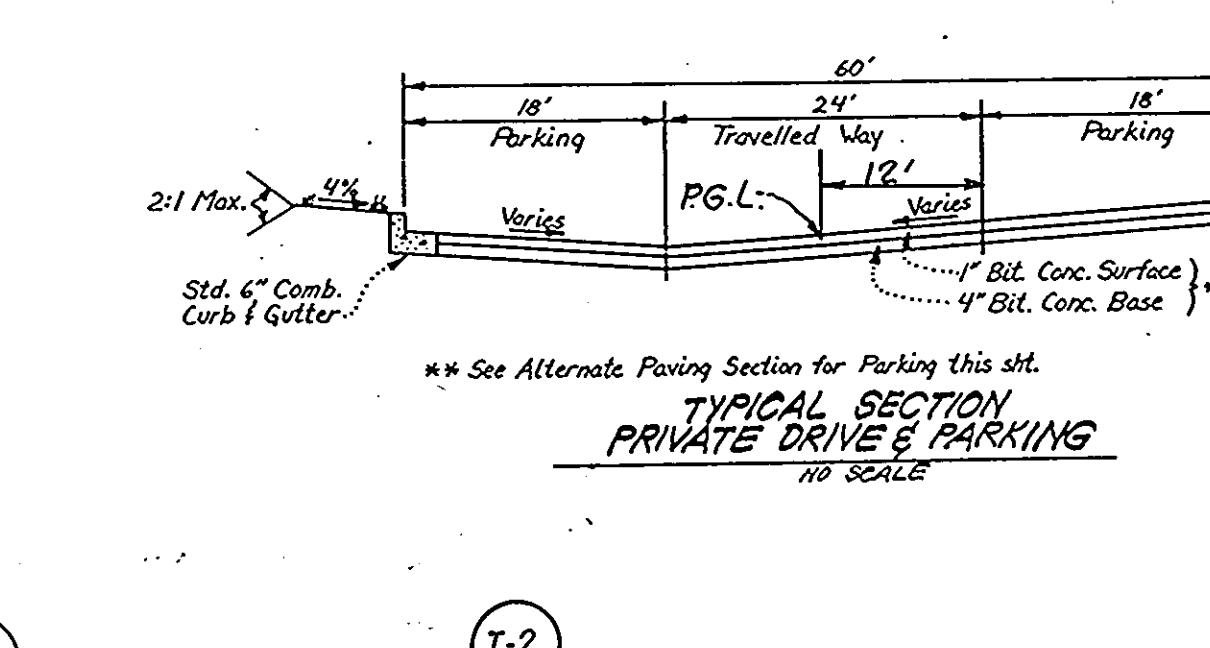
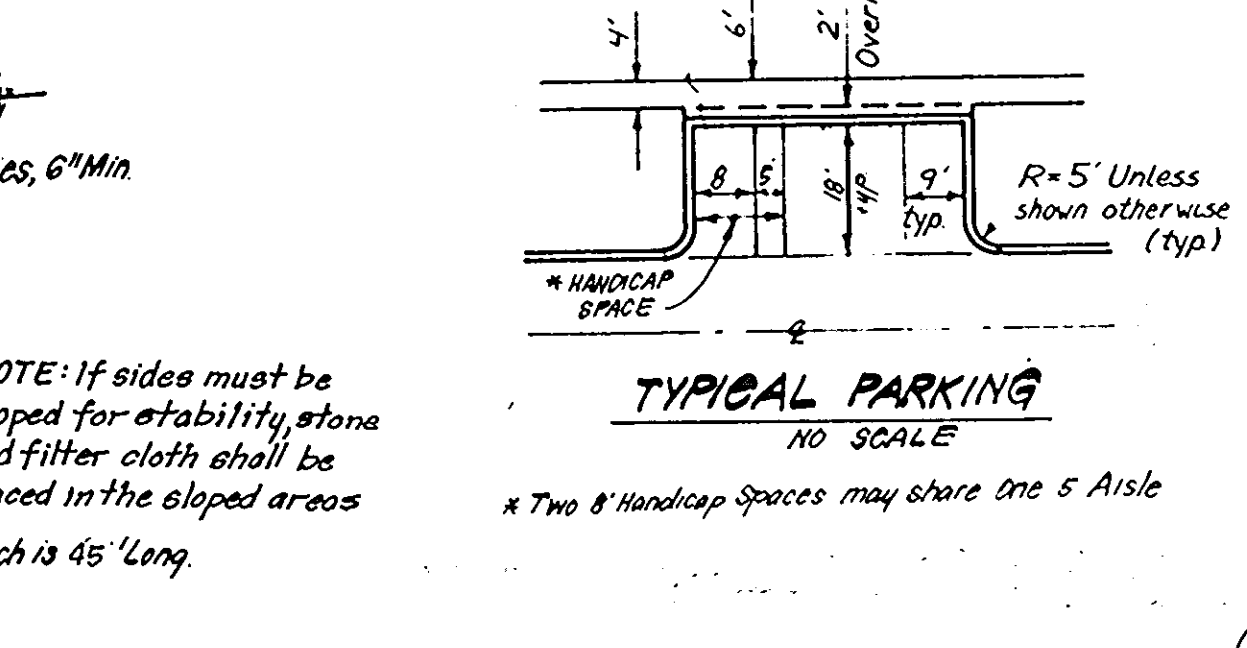
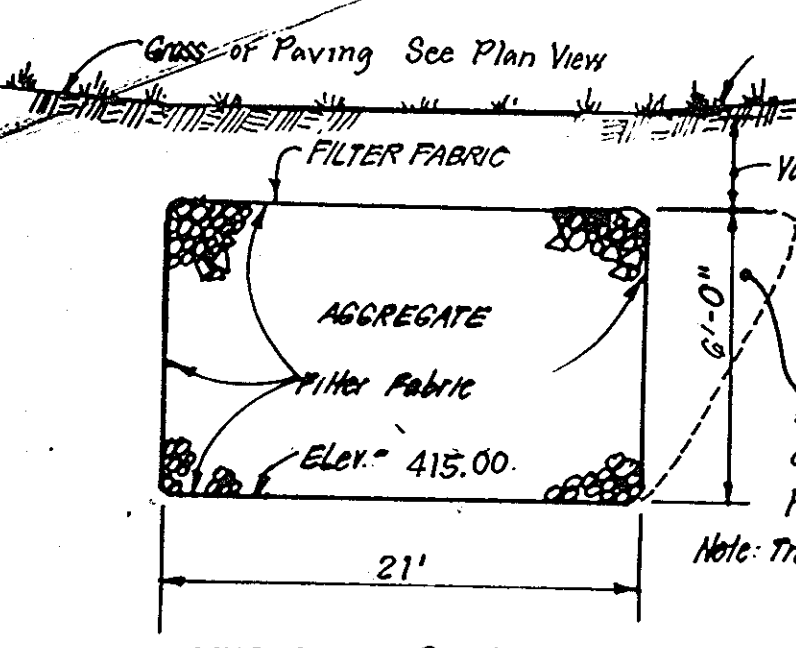
**3.3.6.10. Traffic Control**  
Heavy equipment and traffic shall be restricted from travelling over the infiltration areas to minimize compaction of the soil.

**3.3.6.11. Observation Well**  
An observation well, as described in subsection 3.3.4.8 and Figure 3-5 shall be provided. The depth of the well at the time of installation will be clearly marked on the well cap.

**3.3.7. Maintenance**  
Infiltration trenches shall be designed to minimize maintenance. However, it is recognized that all infiltration facilities are subject to clogging by sediment, oil, grease, grit and other debris. In addition, the performance and longevity of these structures is not well documented. Consequently, a monitoring observation well is required for all infiltration structures.

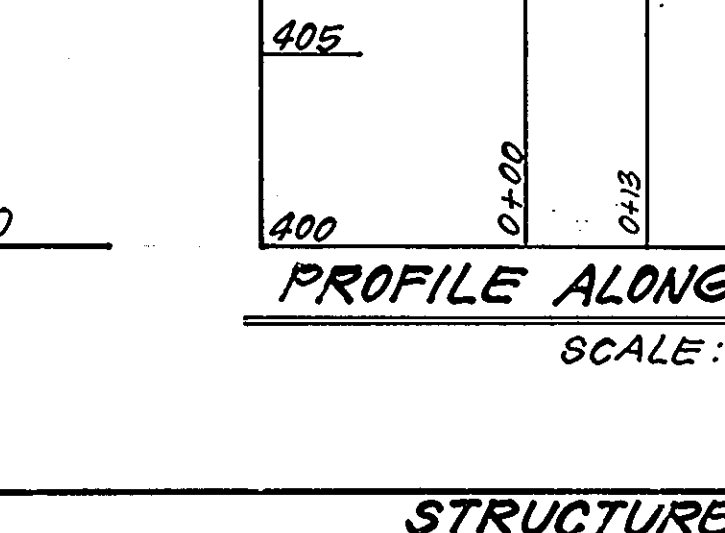
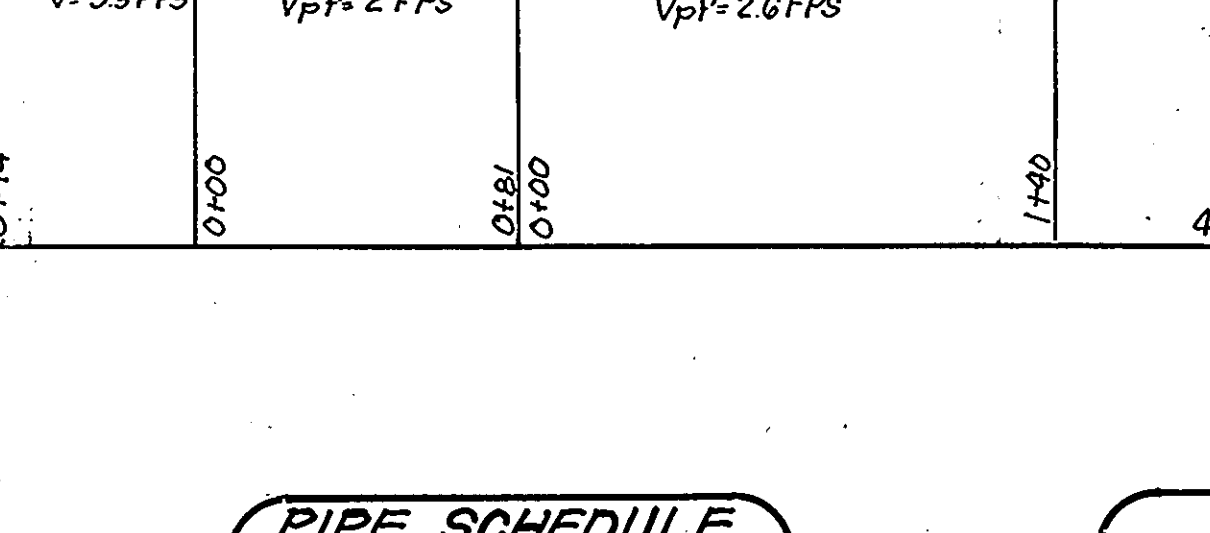
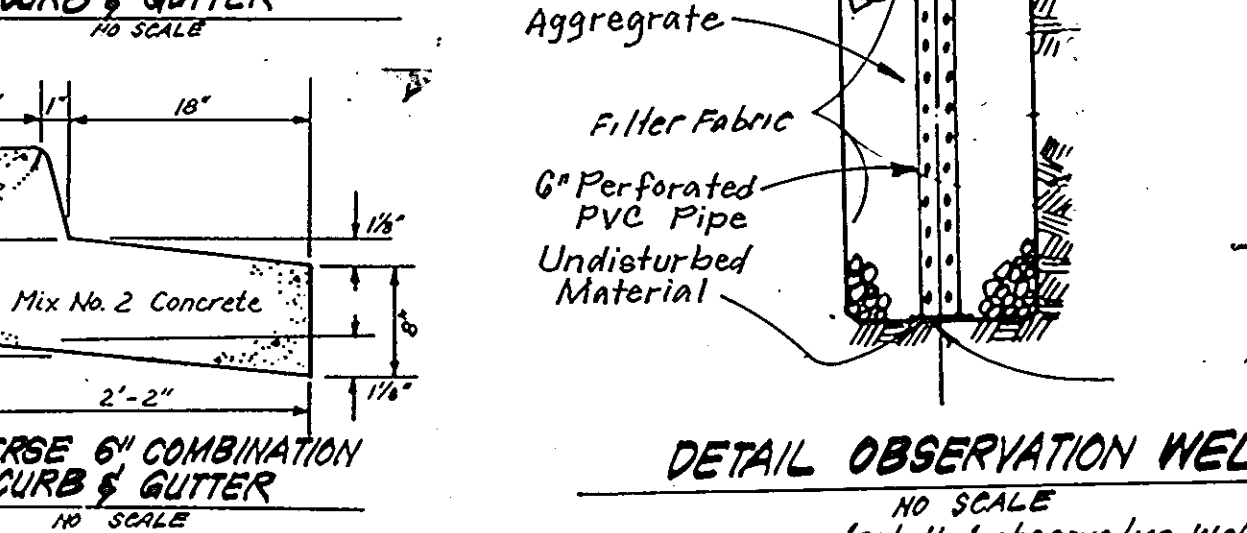
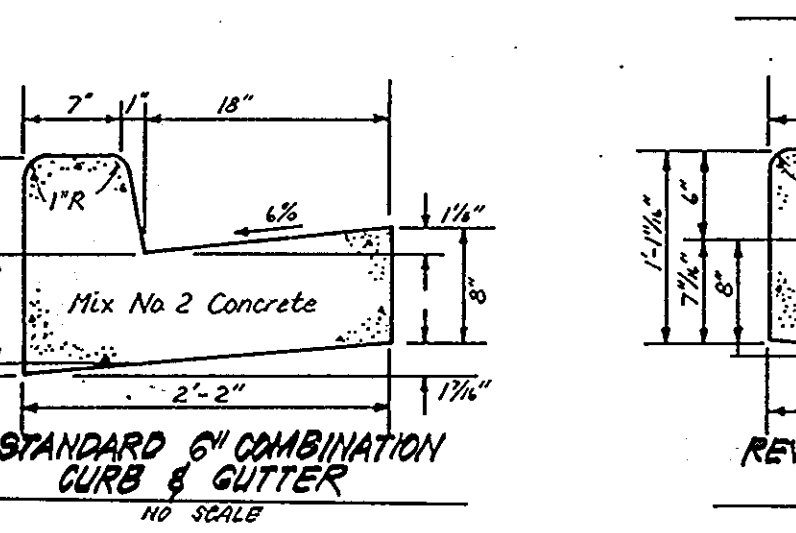
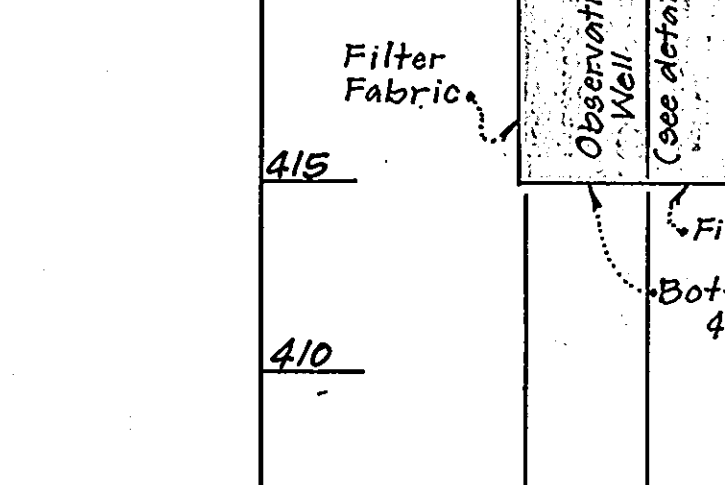
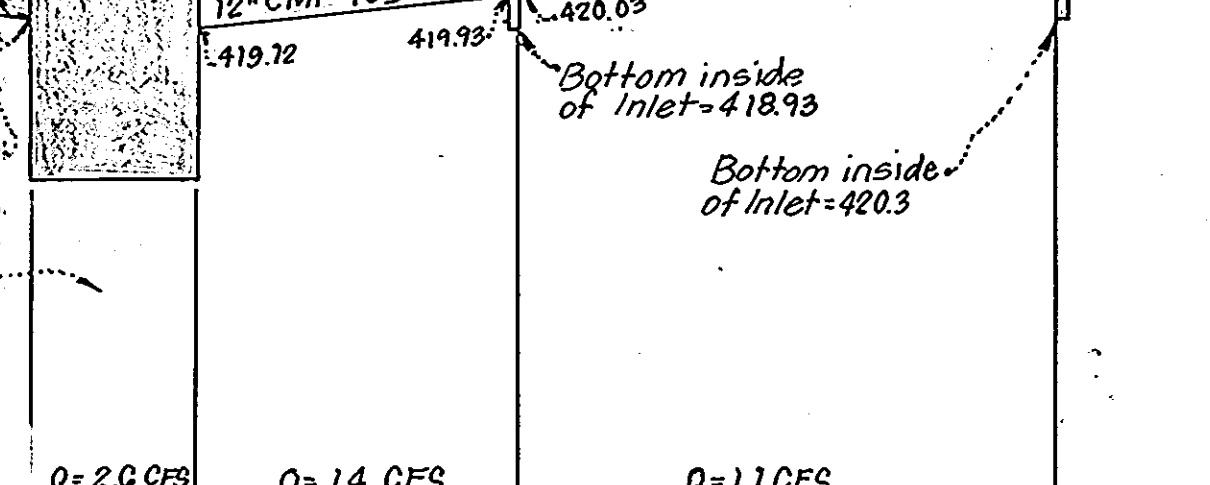
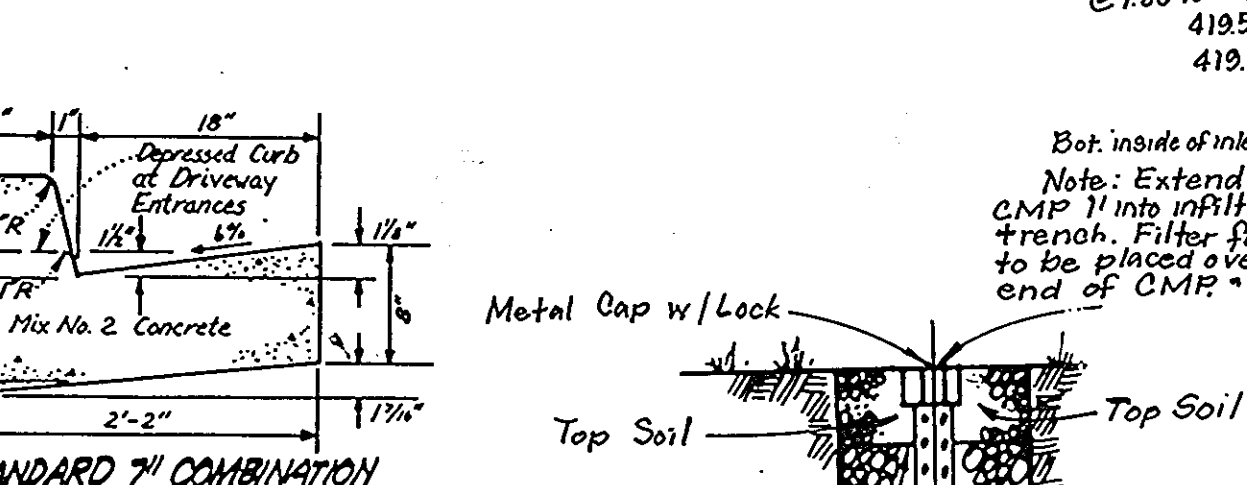
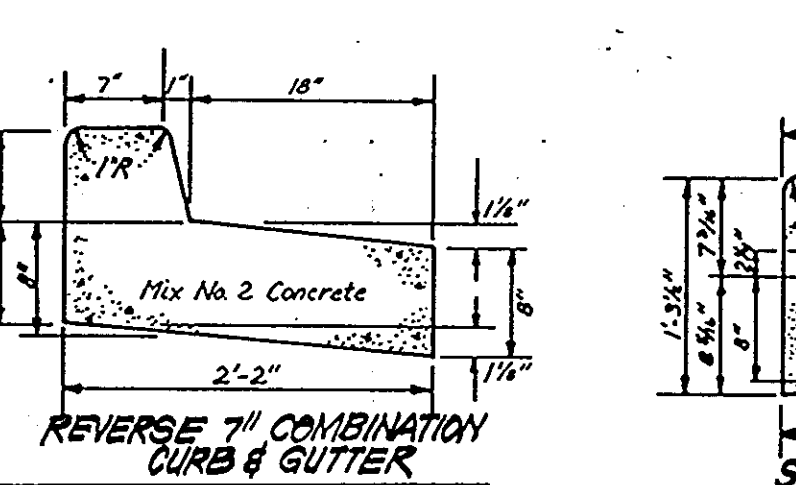
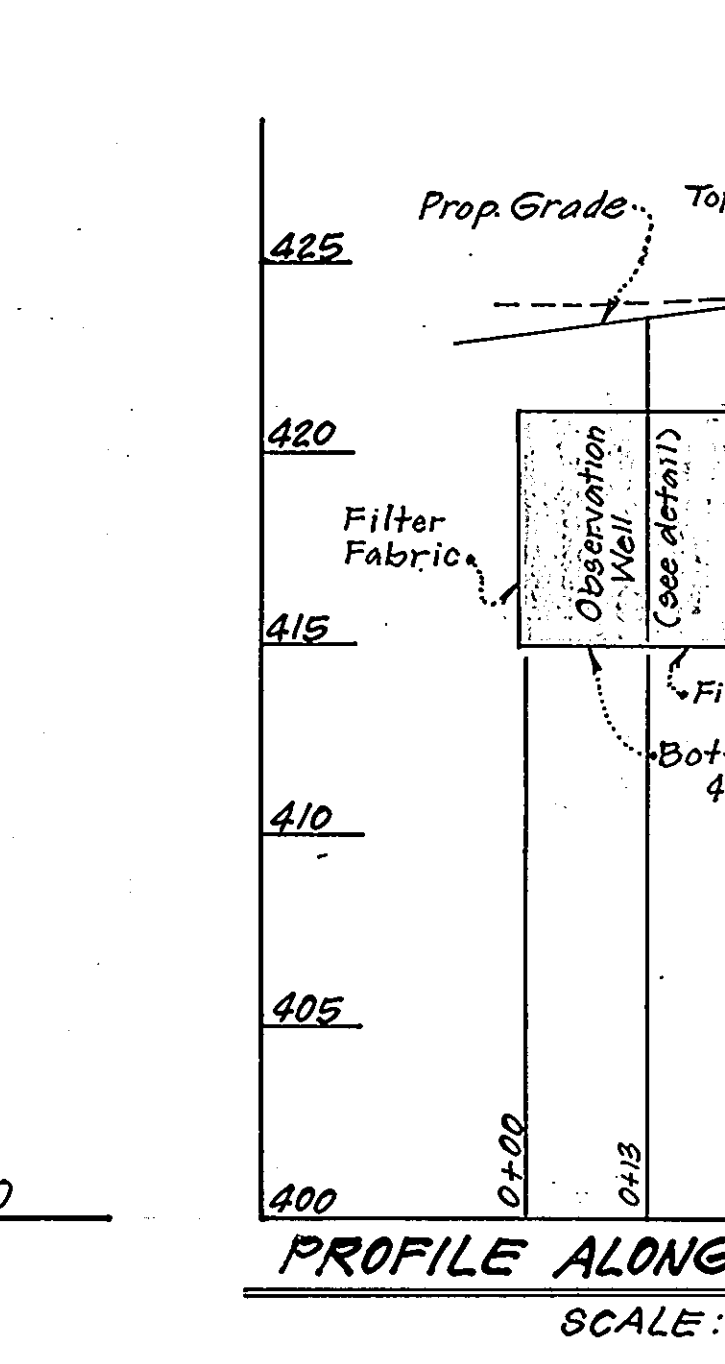
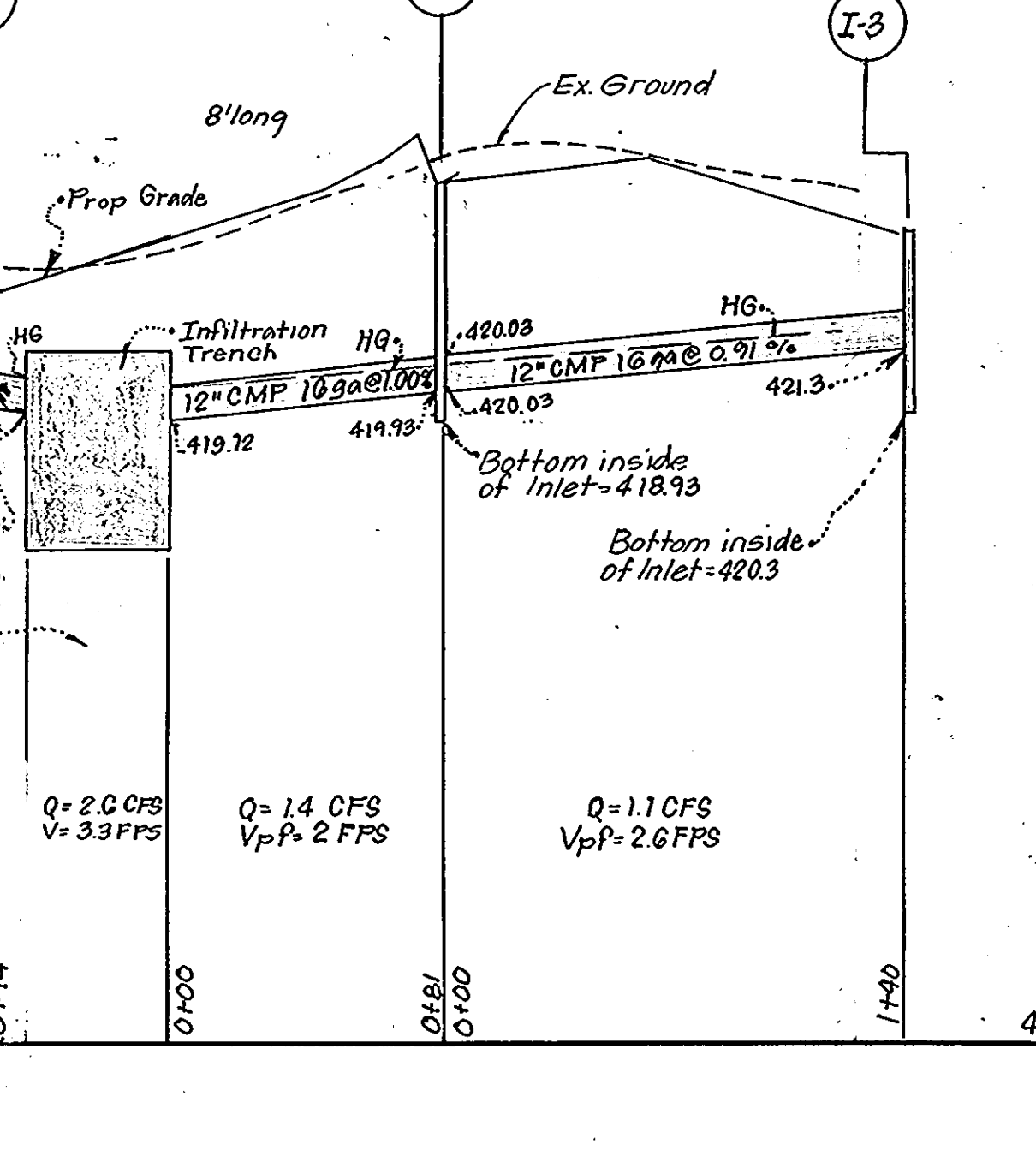
The observation well shall be monitored periodically. For the first year after completion of construction, the well should be monitored on a quarterly basis and after every large storm. It is recommended that a log book be maintained indicating the rate at which the facility deviates after large storms and the depth of the well for each observation. Once the performance characteristics of the structure have been verified, the monitoring schedule can be reduced to an annual basis, unless the performance data indicate that a more frequent schedule is required.

Sediment build-up in the top foot of stone aggregates or the surface inlet should be monitored on the same schedule as the observation well. A monitoring well in the top foot of stone aggregate will be required when a trench has a stone surface. Sediment deposited shall not be allowed to build up to the point where it will reduce the rate of infiltration into the trench.



**Notes:** Aggregates to be clean with a max. diameter of 3/4" and a min. dia. of 1/4". Filter fabric shall completely surround aggregate. Stone surface shall be 2" washed stones. Contractor shall observe all requirements of State Safety Regulations in constructing the trenches.

**NOTE:** If sides must be sloped for stability, stone and filter cloth shall be placed in the sloped areas. Note: Trench is 45' Long.



Layer	Thickness
Bituminous Conc. Surface	1"
Bituminous Conc. Base	2"
Prime	1/2"
5" Crusher Run Base Course	5"
4" Dense Graded Stabilized Aggregate Base Course	4"

Layer	Thickness
Bituminous Conc. Surface	1 1/2"
Bituminous Conc. Base	1 1/2"
Bituminous Conc. Base	4 1/2"
Bituminous Conc. Base	5"

Layer	Thickness
Bituminous Conc. Surface	1 1/2"
Bituminous Conc. Base	1 1/2"
Bituminous Conc. Base	5"
Prime	1/2"
8" Crusher Run Base Course (4 courses) or 6" Dense Graded Stabilized Aggregate Base Course	8" or 6"

SIZE	TYPE	LENGTH
12"	CMP 10ga @ 2 1/2' x 4' Conc.	235 LF

N°	TYPE	INV. IN	INV. OUT	TOP ELEVATION		REMARKS	LOCATION
				UPPER	LOWER		
* I-3	Yard Inlet	-	421.80	424.80	Ho. Co. Std. SD 4.14	2'-0" Rd.	See Plan
* I-2	Yard Inlet	420.03	419.93	426.4	Ho. Co. Std. SD 4.14	2'-0" Rd.	See Plan
* I-4	Yard Inlet	-	419.50	423.00	Ho. Co. Std. SD 4.14	2'-0" Rd.	See Plan

\* Note - Inside bottom of inlet to be 1' (H) below invert of outgoing pipe.

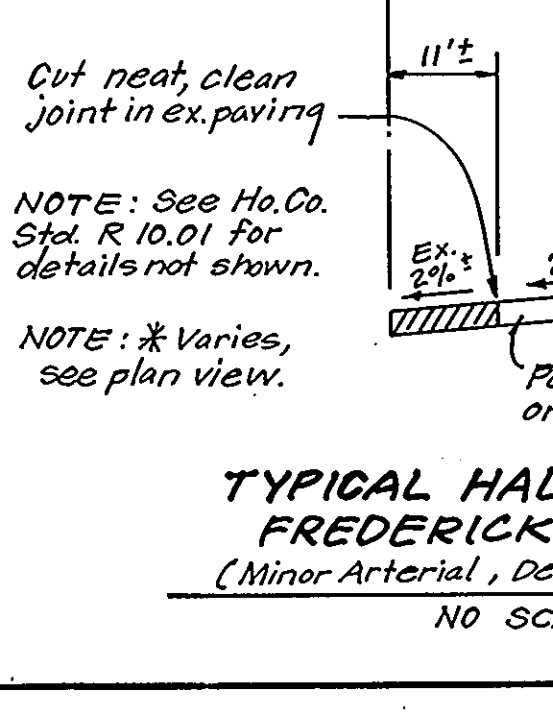
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *[Signature]* 7-2-87  
 DATE: 7-2-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR: *[Signature]* 7-7-87  
 DATE: 7-7-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *[Signature]* 7-11-87  
 DATE: 7-11-87

CHIEF BUREAU OF ENGINEERING: *[Signature]* 6-30-87  
 DATE: 6-30-87

APPROVED  
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE: 4-7-87



2-4-88 Revised Storm Drainage  
 9-29-87 Revised SWM  
 Date REVISION

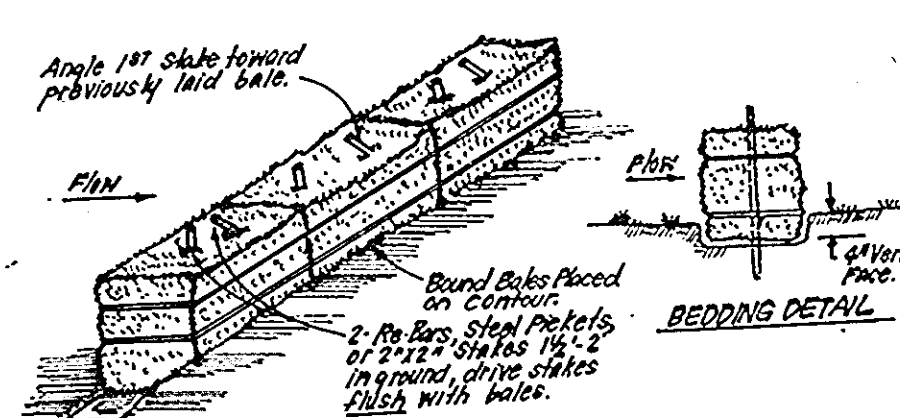
**CLARK • FINEFROCK & SACKETT**  
 ENGINEERS • PLANNERS • SURVEYORS  
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

DESIGNED: JLS  
 DRAWN: VLM  
 CHECKED: JLS  
 DATE: 2-20-87

**SITE DEVELOPMENT PLAN, PROFILES & PAVING DETAILS**  
 SCALE AS SHOWN  
 DRAWING: 2 OF 4  
 JOB NO.: 85-054  
 FILE NO.: 85-118-X

FOR: LA PETITE ACADEMY, INC.  
 1077 Floor City Center Square, 12th & Baltimore P.O. Box 2660, Kansas City, Mo. 64106

SDP-87-169

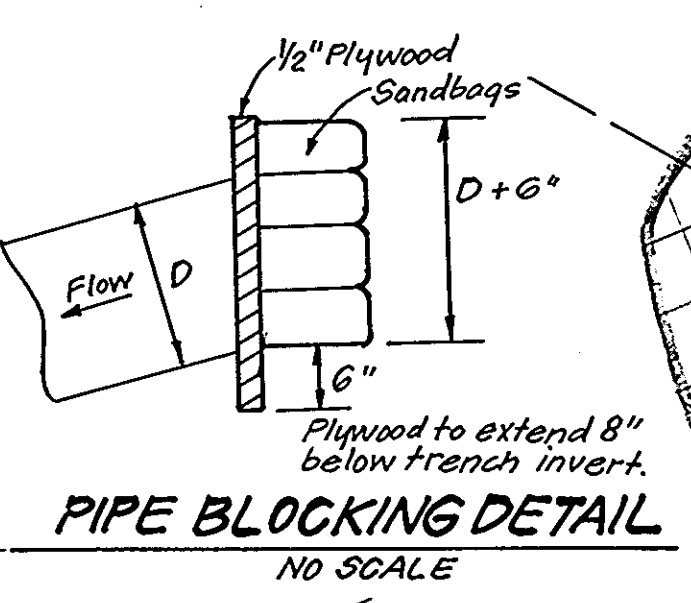


**ANCHORING DETAIL**

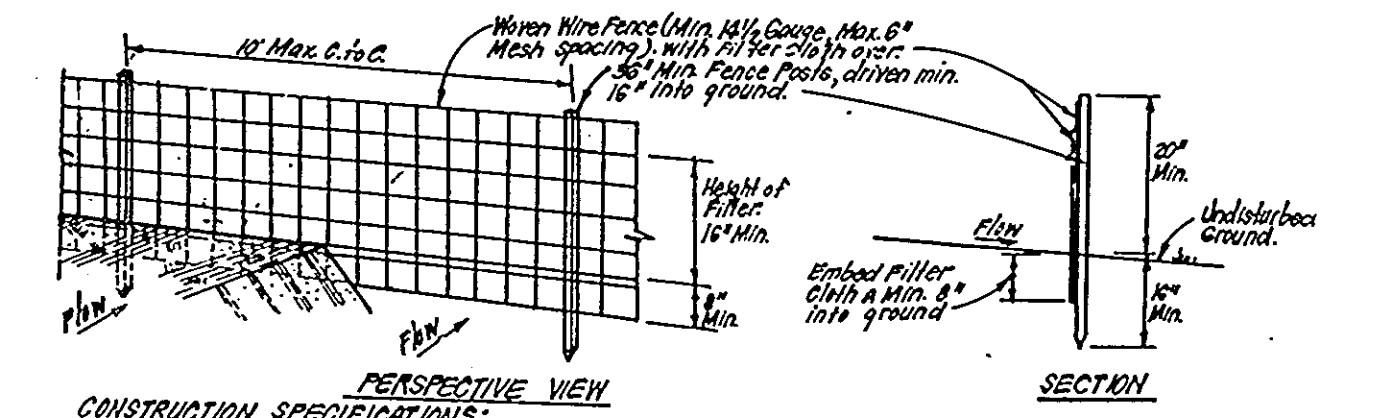
**CONSTRUCTION SPECIFICATIONS:**

- Bales shall be placed at the top of a slope or on the contour and in a row with ends facing the adjacent bales.
- Each bale shall be secured to the soil a min. of 4" and placed so the bindings are horizontal.
- Bales shall be secured to the soil by either 2 stakes or re-bars driven thru the bale. The stakes in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bales.
- Inspection shall be frequent and repair/replacement shall be made promptly as needed.
- Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

**STRAW BALE DIKE DETAIL (SBD)**  
NO SCALE



**PIPE BLOCKING DETAIL**  
NO SCALE



**CONSTRUCTION SPECIFICATIONS:**

- When wire fence is to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
- When 2 sections of filter cloth within each other they shall be overlapped by 6" and stapled.
- Material shall be removed when bales develop in silt fence.

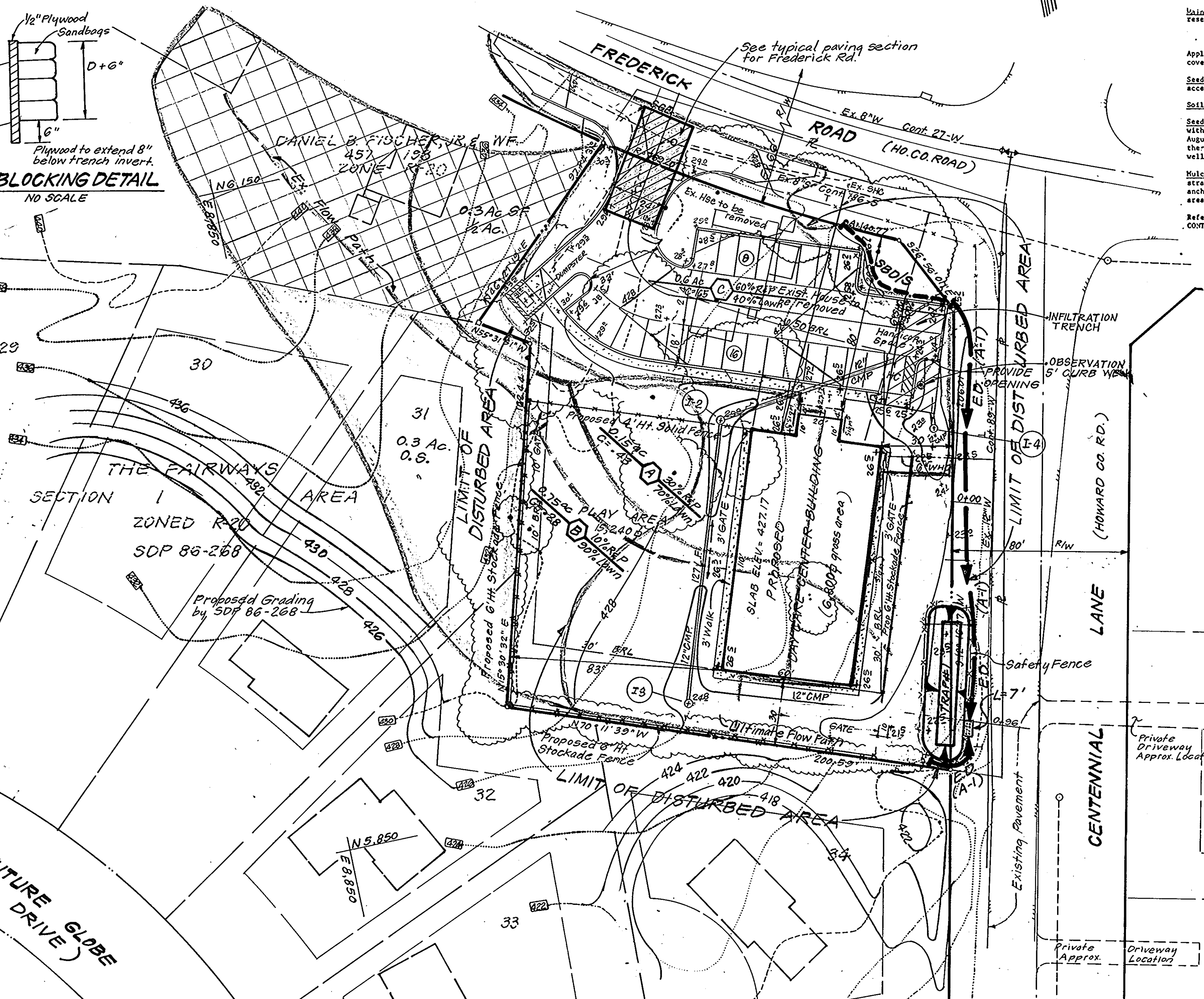
**POSTS:** Steel, either T-11 Type or Hardwood.

**FENCE:** Woven Wire, 14x14, 2x2 Max. Mesh Opening.

**FILTER CLOTH:** Filter, Miraflex 600, Sublimex, T140N or Approved Substitutes.

**PREFABRICATED UNIT:** Silt/Silt Enclosure, 24x24x10, equal.

**SILT FENCE DETAIL (S)**  
NO SCALE



**PERMANENT SEEDING NOTES**

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

**Soilbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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

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

**Seeding:** For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use seed. Option (3) Seed with 60 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 (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 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

**Maintenance:** Inspect all seeded 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.

**Soilbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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

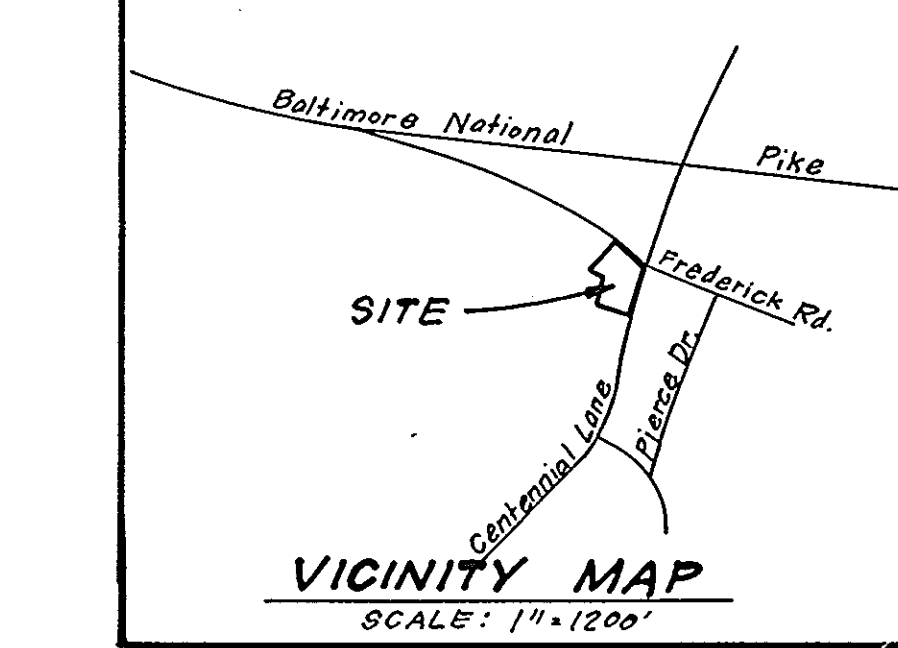
**Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 35 bushel per acre of annual ryegrass (1.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use seed.

**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 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

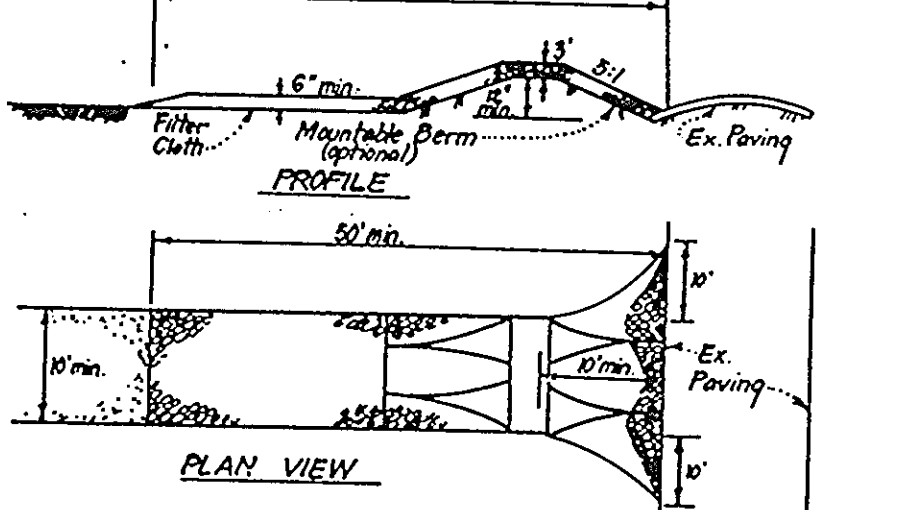
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR rate and methods not covered.

**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. (892-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, by 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seedings (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 condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:
  - Total Area of Site: 1.319 Acres
  - Area Disturbed: 0.90 Acres
  - Area to be seeded or paved: 0.87 Acres
  - Area to be vegetatively stabilized: 0.27 Acres
  - Total Cut: 330 Cu. yds
  - Total Fill: 330 Cu. yds
  - Offsite waste/borrow area location: N/A
- 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 DEW 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 control, 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.
- If houses are to be constructed on an "A-B-S-D" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail below).
- The total amount of straw bale dikes/silt fence equals 60 L.F.



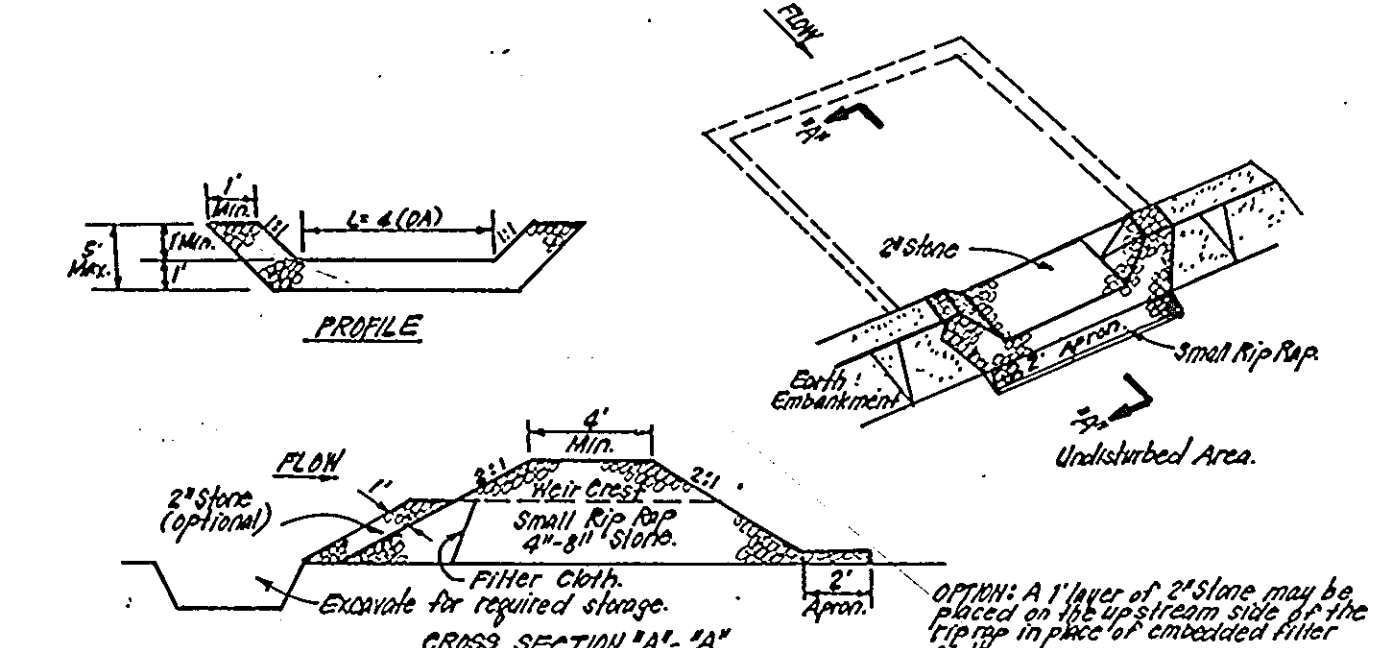
**VICINITY MAP**  
SCALE: 1"=1200'



**CONSTRUCTION SPECIFICATIONS:**

- Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot maximum length is used).
- Thickness - Not less than six (6) inches.
- Width - Ten (10) foot minimum, but not less than the full width of the pipe.
- Filter Cloth - Will be placed over the entire area prior to placing of stone.
- Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mound of earth with a slope will be permitted.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and/or removal of any material used to trap sediment. All sediment applied, trapped, washed or tracked onto public rights-of-way must be removed immediately.
- Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done in a stabilized area which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE (SCE)**  
NO SCALE



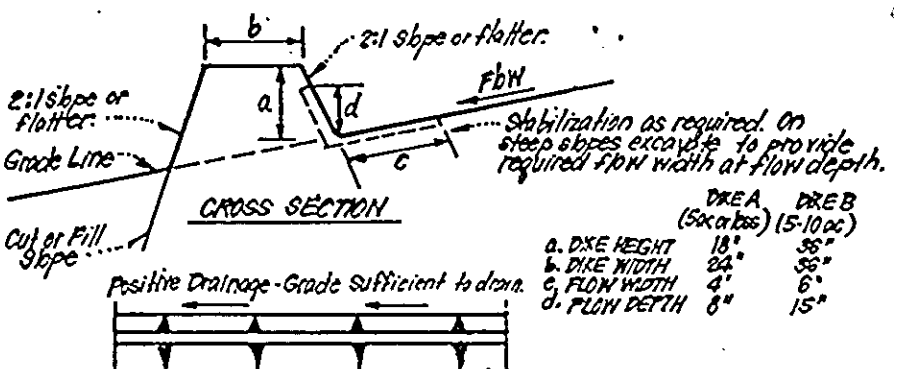
**CONSTRUCTION SPECIFICATIONS:**

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The top soil shall be preserved.
- The filter material for the embankment shall be free of roots and other woody vegetation as well as any sized stones, rocks or other objectionable material. The embankment shall be compacted by tamping with equipment while it is being constructed.
- 24" cut and fill slopes shall be 2:1 or flatter.
- The stone used in the outlet shall be small rip rap 4" to 8" with 1" thickness of 2" aggregate placed on the up-slope side on the small rip rap. A stabilized filter cloth shall be placed on the down-slope side of the trap.
- The structure shall be inspected after construction and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

**STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STV.**  
NO SCALE

**CONSTRUCTION SEQUENCE**

NO.	DESCRIPTION	# OF DAYS
1.	Obtain Grading Permit	2
2.	Install sediment & erosion control measures	7
3.	Clear & rough grade site	21
4.	Construct utilities	90
5.	Fine grade & construct paving & building	180
6.	Stabilize all other disturbed areas on site in accordance with standards & specs.	14
7.	Upon approval of the sediment control Inspector, remove sediment & erosion control measures and stabilize	14
8.	After all areas on site are stabilized, construct infiltration trench and storm drainage and stabilize area disturbed	2



**CONSTRUCTION SPECIFICATIONS:**

- All dikes shall be constructed by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired, to facilitate crossing by construction vehicles.
- Field location should be adjusted as needed to utilize a stabilized site outlet.
- Each dike shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
- Stabilization shall be: (A) In accordance with standard specifications for seed and straw mulch or straw mulch, in and in seeding season, (B) Flow channel as per chart below.

**EARTH DIKE DETAIL (E.D.)**  
NO SCALE

**LEGEND:**

- Contour Interval 2 Ft.
- Existing Contour --- 430 --- Prop. Contour --- 430 ---
- Direction of Drainage --->---
- Spot Elevation + 30.5
- Straw Bale Dike or Silt Fence --- SBD/S ---
- Earth Dike --- E.D. (A-1) ---
- Stabilized Construction Entrance --- SCE ---

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

*James J. Boyd* 7-2-87  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

*John J. ...* 7-7-87  
PLANNING DIRECTOR DATE

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

*John J. ...* 7-6-87  
SUPERVISOR OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

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

*James J. ...* 7/1/87  
DIRECTOR DATE

*James J. ...* 7-30-87  
CHIEF BUREAU OF ENGINEERING DATE

APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE: 4-7-87

DEVELOPERS/BUILDERS CERTIFICATE

I, the undersigned, certify that all construction will be done in accordance with the approved plan and that all persons involved in the construction project will have a Certificate of Attendance at a Dept. 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.

*Scott D. Spangler* 3-3-87  
Signature of Developer/Builder Date

TRAP # 1 S.O.S.T. ST - V\*

D.A. = 1.6 Acres  
Storage Required = 1.6 x 1800 = 2880 cf.  
Storage Provided = 2880 cf.  
Depth = 4'  
Top of Stone Crest = 422.0  
Bottom Elev. = 417.0  
Bottom Dim. = 56' x 8'  
Cleanout Elev. = 419.0  
\* 1:1 Side Slopes in cut

Reviewed for: HOWARD S.C.D.

*James J. ...* 6-4-87  
Signature Date

U.S. Soil Conservation Service

U.S. DEPARTMENT OF AGRICULTURE  
FOR SOIL EROSION AND SEDIMENT CONTROL BY THE MARYLAND SOIL CONSERVATION DISTRICT

*Stephen L. ...* 6/4/87  
Approved Date

*G. Nelson Clark* 3-4-87  
G. Nelson Clark Date

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.

9-29-87 Revised SWM DATE REVISION

CLARK • FINEPROCK & SACKETT  
ENGINEERS • PLANNERS • SURVEYORS  
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-1400

DESIGNED	JLS	SCALE	1"=30'
DRAWN <td>VLM <td>DRAWING <td>3 OF 4</td> </td></td>	VLM <td>DRAWING <td>3 OF 4</td> </td>	DRAWING <td>3 OF 4</td>	3 OF 4
CHECKED <td>JLS <td>JOB NO. <td>85-054</td> </td></td>	JLS <td>JOB NO. <td>85-054</td> </td>	JOB NO. <td>85-054</td>	85-054
DATE <td>2-20-87 <td>FILE NO. <td></td> </td></td>	2-20-87 <td>FILE NO. <td></td> </td>	FILE NO. <td></td>	

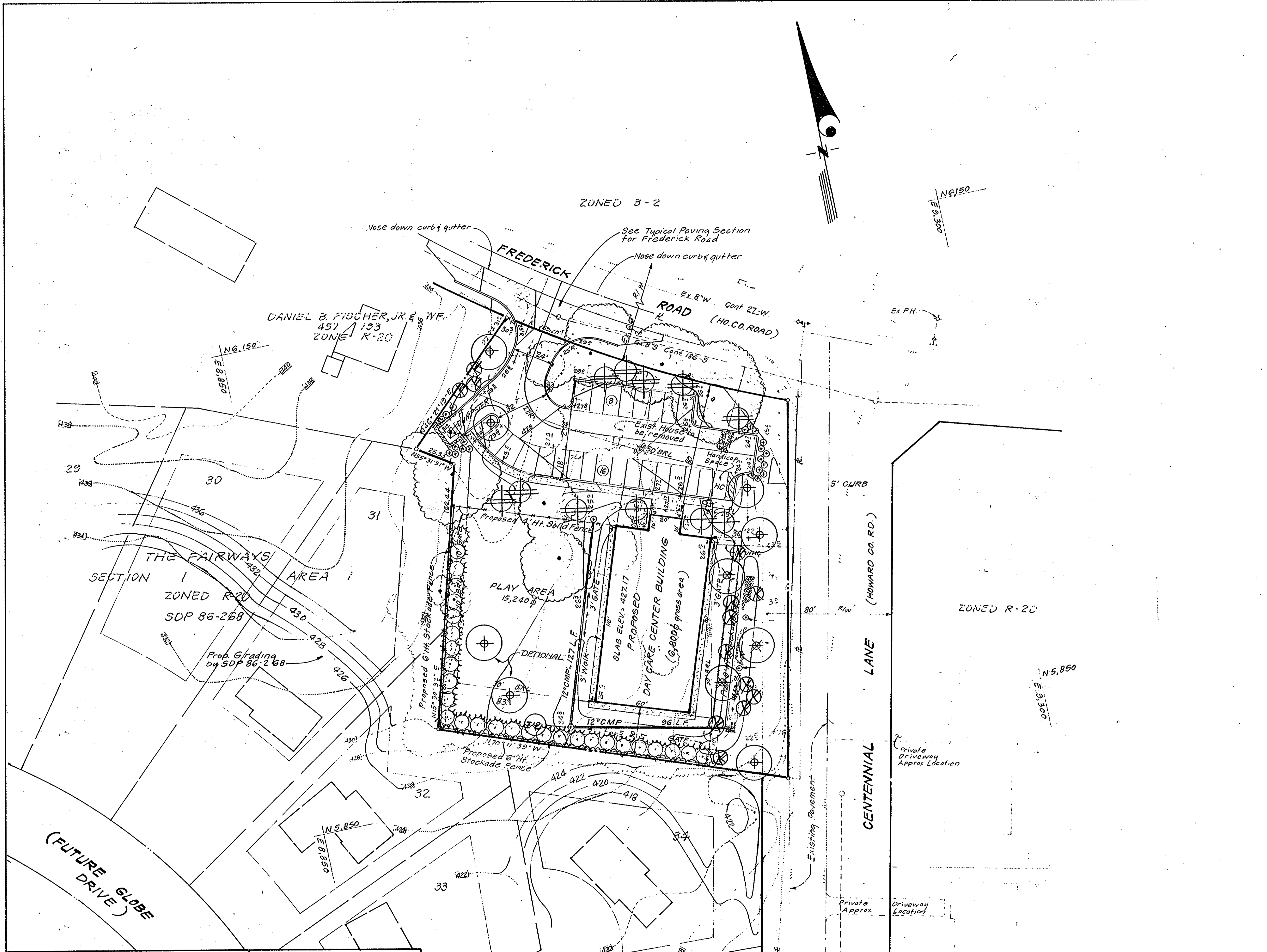
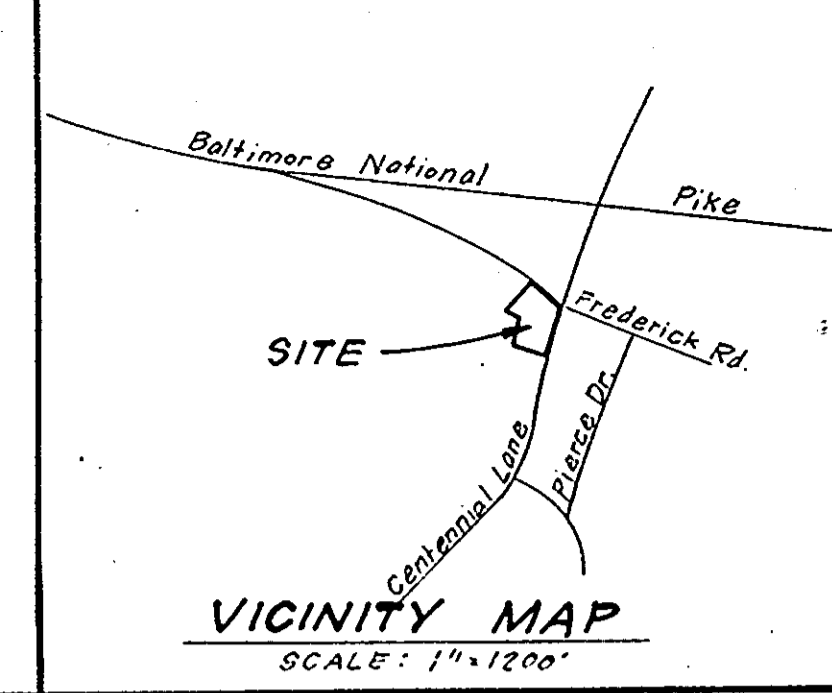
SEDIMENT AND EROSION CONTROL PLAN & DRAINAGE AREA MAP

LA PETITE DAY CARE CENTER

PARCEL 65 TAX MAP # 24  
ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: LA PETITE ACADEMY, INC.  
107th & Center City Center Square, 12th & Baltimore P.O. Box 26610, Kansas City, Mo. 64116

SDP-87-169



### PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QUANT	REMARKS
⊕	ACEP RUBRUM (RED SUNSET) RED SUNSET MAPLE	2-2 1/2" CAL	7	B & B HEAVY HEADS (2 ARE OPTIONAL)
⊗	GLEDITZIA T. INTEMPERIS SHADEMASTER HONEYLOCUST	2-2 1/2" CAL	3	B & B HEAVY HEADS
⊕	AMELANCHIER CANADENSIS SHADBLow CLUMP	5-6' HT.	8	HEAVY CLUMPS
⊕	MALUS SARGENTI SARGENT CRAB	4-5' HT.	3	B & B HEAVY HEADS
⊗	TSUGA CANADENSIS CANADIAN HEMLOCK	2" CAL	20	B & B HEAVY
⊗	PIEUS THUNBERGII JAPANESE BLACK PINE	5-6' HT.	13	B & B HEAVY
⊕	VIBURNUM PHYTIDOPHYLLUM LEATHERLEAF VIBURNUM	3-4' HT.	21	B & B HEAVY

**NOTE:**

- CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING.
- ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH ATTACHED SPECIFICATIONS.
- SUBSTITUTIONS MAY BE PERMITTED WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT (593-3400).

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
*James E. Boylan* 7-2-87  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*John W. Musselman* 7-6-87  
PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James M. Lew* 7/1/87  
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James M. Lew* 6-30-87  
CHIEF BUREAU OF ENGINEERING DATE

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 4-7-87  
*MS/AMM*



**CLARK • FINEFROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS  
11315 LOCKWOOD DRIVE SILVER SPRING MARYLAND 20904 (301) 593-3400

DESIGNED: *YBM*  
DRAWN: *YBM*  
CHECKED: *WHT*  
DATE: 2-23-87

**LANDSCAPE PLANTING PLAN**  
FOR A DAY CARE CENTER  
**LA PETITE**  
**DAY CARE CENTER**  
PARCEL 65 TAX MAP # 24  
2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE: 1" = 30'  
DRAWING: 4 OF 4  
JOB NO.: 85-054  
FILE NO.: 85-118-US

FOR: LA PETITE ACADEMY, INC.  
10th Floor, City Center Square, 12th & Baltimore  
P.O. Box 26610, Kansas City, Mo. 64126

**SDP-87-169**