Sheet Index

SHEET	DESCRIPTION
1	COVER SHEET
2 ·	SITE PLAN
3	SITE DETAILS
4	SEDIMENT CONTROL PLAN & SU D.A.M
5	SEDIMENT CONTROL DETAILS / NOTES
6	STORMWATER MANAGEMENT DET.
7	STORMWATER MANAGEMENT DET.
8	SWM DRAINAGE AREA MAP
9	LANDSCAPE PLAN
10	RETAINING WALL PLAN

SITE ANALYSIS DATA CHART

1. General Site Data a. Present Zoning: ______M-2___ b. Applicable DPZ File References: F 75-57, GP 74-65 c. Proposed Use of Site or Structure(s): _____PARKING LOT

d. Proposed Water and Sewer Systems: _____ Public _____ c. Water and Sewer Contract Number: ______2660-D-W & S

2. Area Tabulation

- a. Total Project Area: _____ 1.95 Acres (Indicate by Section and Area As Shown on the Final Plat or As Shown on Deed) b. Net Area of Site: ______ 1.95 _____ Acres
- (Indicate by Section and Area As Shown on Final Plat) c. Area of This Plan Submission: ______1.95 d. Limit of disturbed Area: _____1.75 ACRES IMPERVIOUS AREA 0.91 Acres
- e. Building Coverage of Site: _____ Acres and ____% of Gross Area (Proposed) 3. Open Space Data: N/A
- 4. Parking Space Data:

 - a. Floor Space on Each Level per Building(s) per Use: . 🔔 First Floor N/A _ Second Floor b. Number of Parking Spaces Required by Zoning Regulations:
 - c. Total Number of Parking Spaces Provided On-Site: d. Number of Handicapped Parking Spaces Provided: <u>N/A HANDICAPPED SPACES</u> PROVIDED FOR PARCEL C-2 USER ON WEST SIDE OF BUILDING.

	GEN	ERAL	NOTES	5
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1. All construction shall be performed in accordance with the latest standards and specification of Howard County, plus MSHA standards and specifications if applicable or as specified.

2. Approximate location of existing utilities are based solely on available records. Contractor shall verify the location of any utilities which may be impacted by the work. The contractor shall take all necessary precautions to protect the existing utilities and maintain uninterrupted service. Any damage incurred due to contractors operation SHALL BE REPAIRED AT CONTRACTORS EXPENSE.

3. The contractor shall test pit existing utilities at least five (5) days before starting work shown on these drawings to verify their location and elevation. The contractor shall notify the engineer immediately if the location of utilities is other then shown.

4. The contractor shall notify 'Miss Utility' at 1 (800) 257-7777 at least 48 hours prior to any excavation work being done, and shall notify the Department of Public works/Bureau of Engineering/Construction Inspection Division at (410) 313-1880 at least five (5) working days prior to the start of the work.

5. Traffic control devices, markings, and signing, shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs be in place prior to the placement of asphalt.

6. Any damage caused by the contractor to existing public right-of-way, existing paving, existing curb and gutter, existing utilities, etc. shall be repaired at the contractor's expense.

7. The existing topography inside property line was based on field run survey by DMW, Inc. in September 1997.

8. All hydraulic data is for the 10-year storm unless otherwise noted.

SITE DEVELOPMENT PLAN FOR CIENA PARKING LOT AT CORRIDOR INDUSTRIAL PARK PARCEL B HOWARD COUNTY, MARYLAND CORRIDOR ROAD PARCEL 'A' SECTION I CORRIDOR INDUSTRIAL PARK PLAT # 4919 SDP 85-219 ZONED M-2 CEMETER PARCEL P-1 200 SECTION 1 5.88°25'00" W 5 88°25'00" 1 CORRIDOR INDUSTRIAL PARK PARCEL C-2 PLAT # 4919 120.82 SECTION I SDP 86-26 ORRIDOR INDUSTRIAL PARK PLAT # 4919 SDP 85-13 5 78°18'42" E ZONED M-2 PARCEL 'B' ORRIDOR INDUSTRIALPARK | 300.00' N 88°25'00''W R = 30.00'⁻ L = 47.12' GREENWOOD PLACE CHD = N 43°25'00" E 42.43' NORTH OVERALL PROPERTY OUTLINE NOT TO SCALE 9. The subsurface exploration and geotechnical engineering analysis for this project was completed by Herbst and Associates in September 1997. 10. All fill areas shall be compacted to a minimum of 95% of the maximum dry density as determined and verified in accordance with AASHTO T-180. 11. All plan dimensions are to face of curb unless otherwise noted. Numerically written dimensions take precedence over scale dimensions. 12. The coordinates shown hereon are based upon the Howard County geodetic control which is based upon the Maryland State plane coordination system.

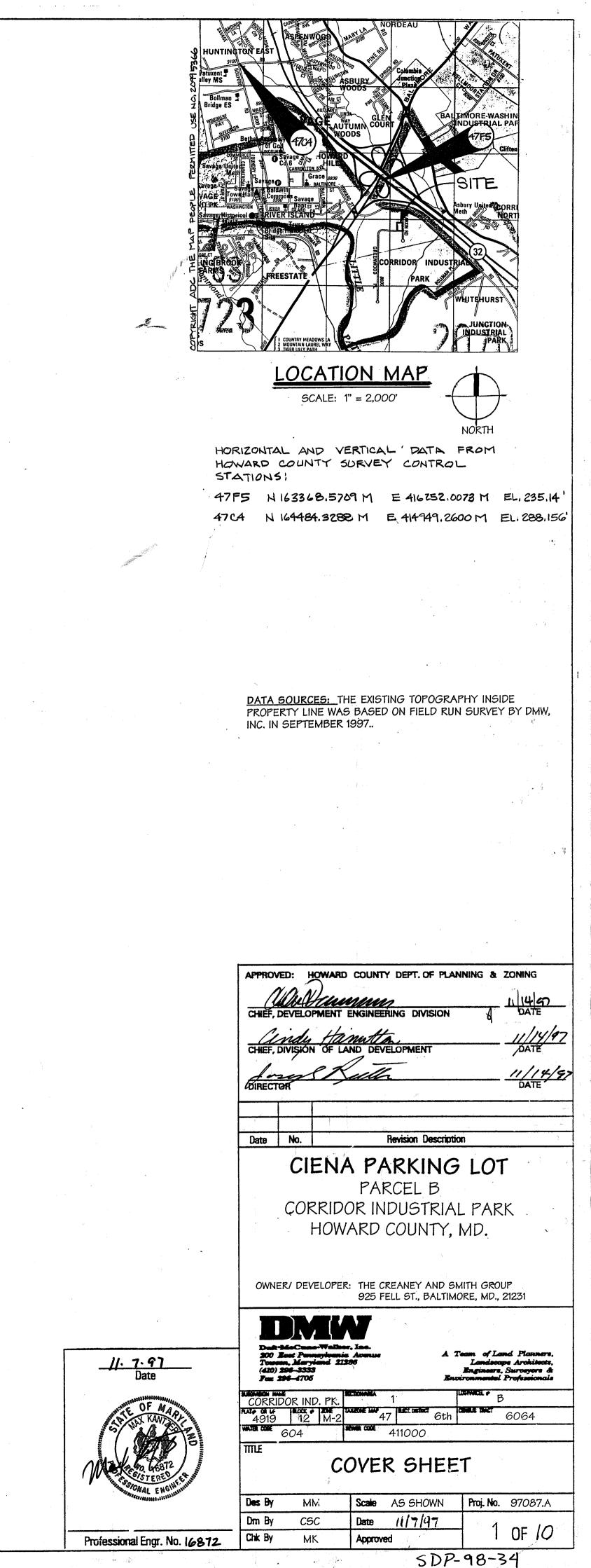
13. Storm water management quantity and quality is provided on site by underground detention facility and stormceptors.

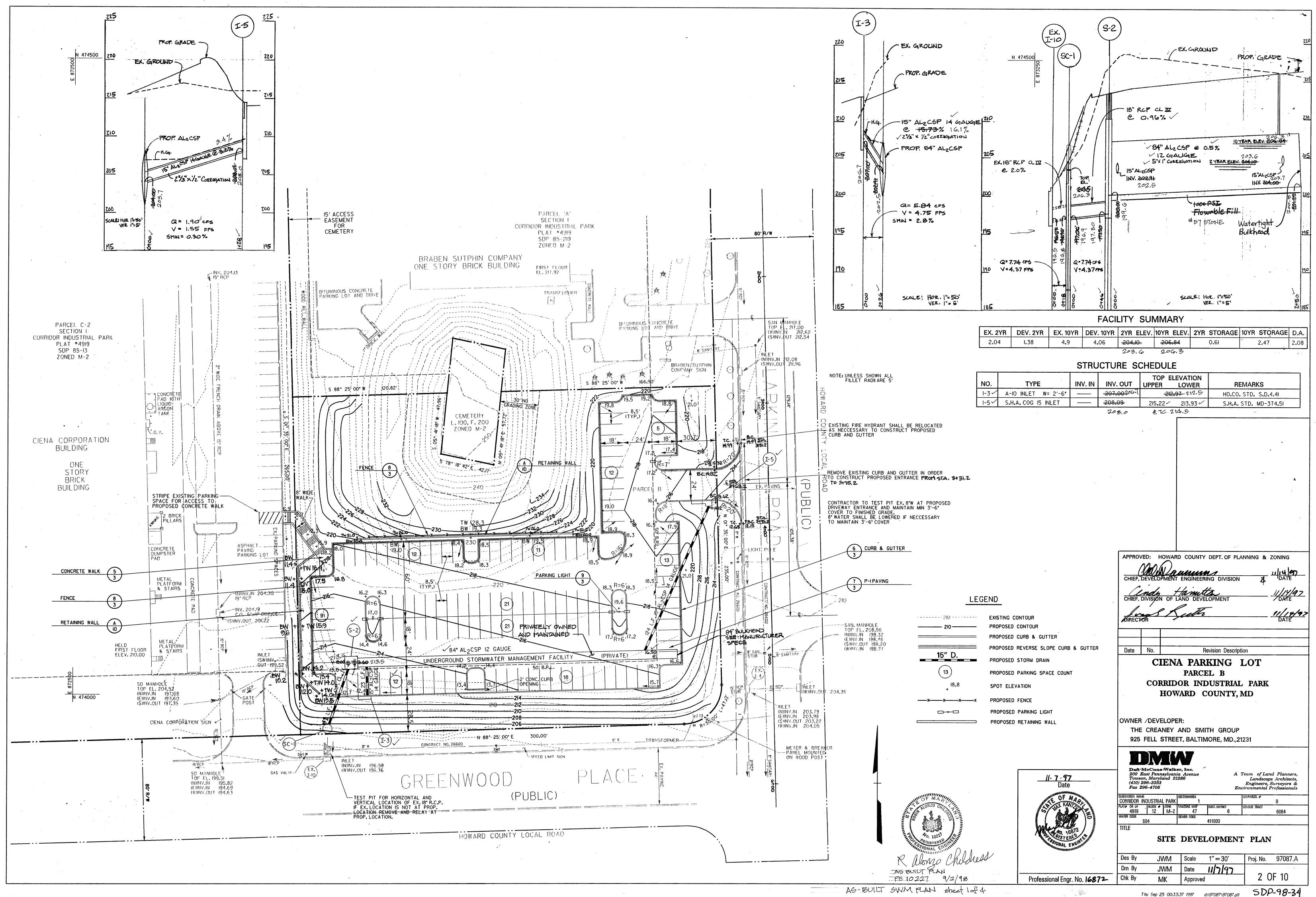
14. Neither public water nor public sewer to be utilized. (Contract 2660, main Patuxent Area) 15. There are no 100 year floodplains or wetlands on this site.

16. There are no known cemeteries or burial grounds on this site. Cemetery to north of parcel is identified on the Howard County inventory as site 47-1; it was field checked.

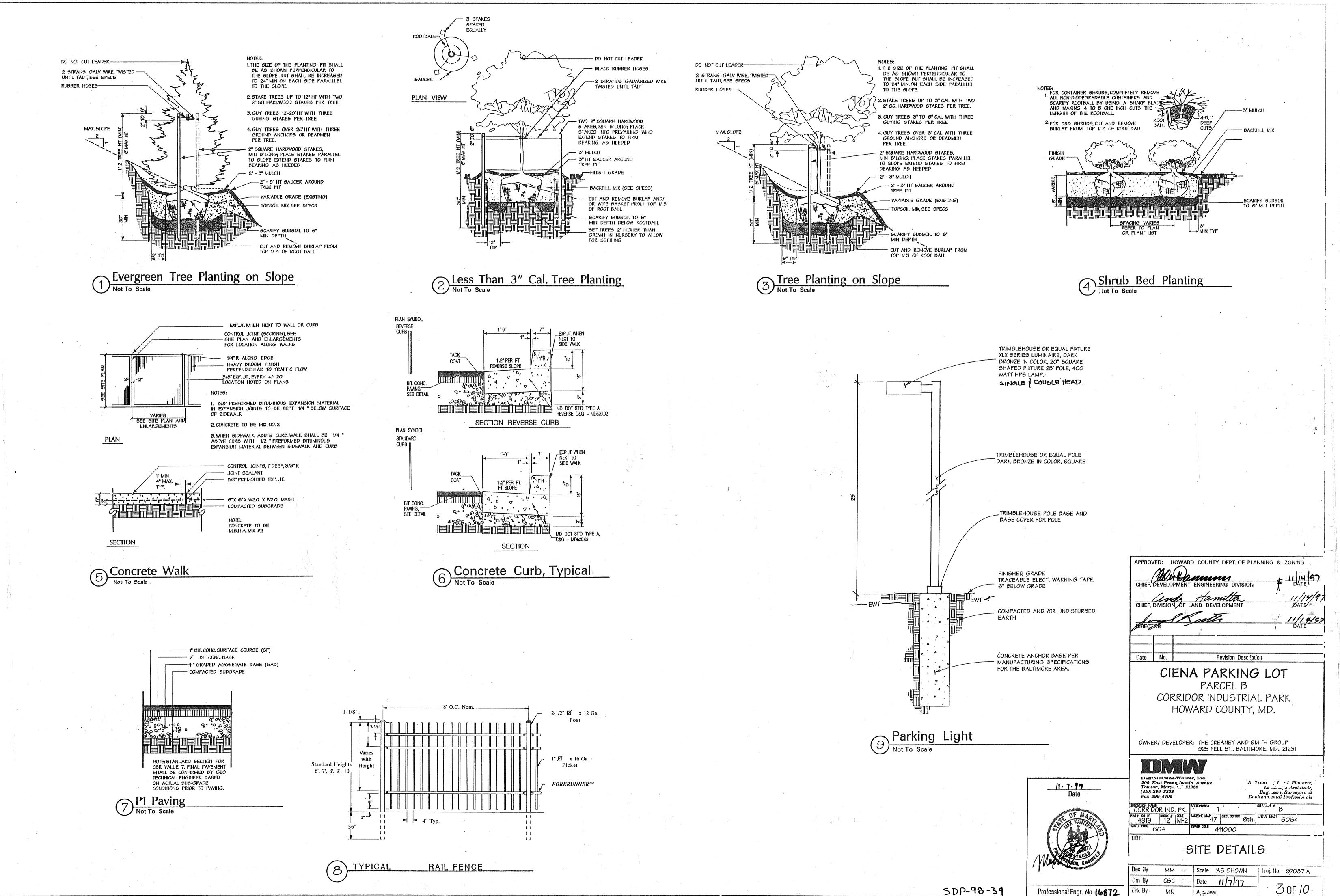
17. No traffic study is required for this project.

18. Outdoor lighting has been designed in conformance with the Howard County Zoning Regulations Section 134.





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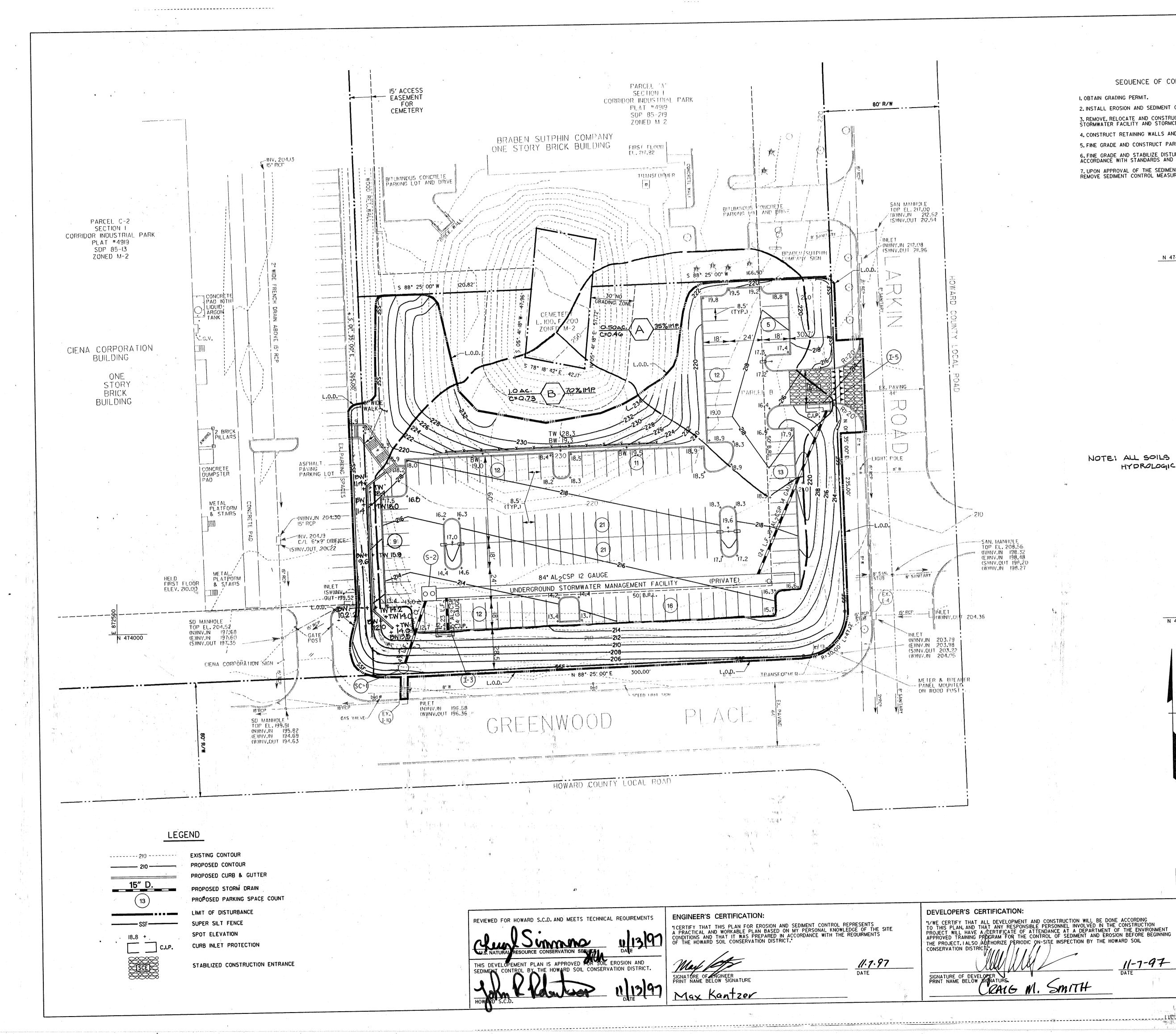


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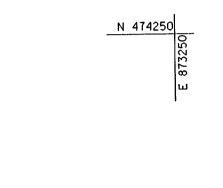
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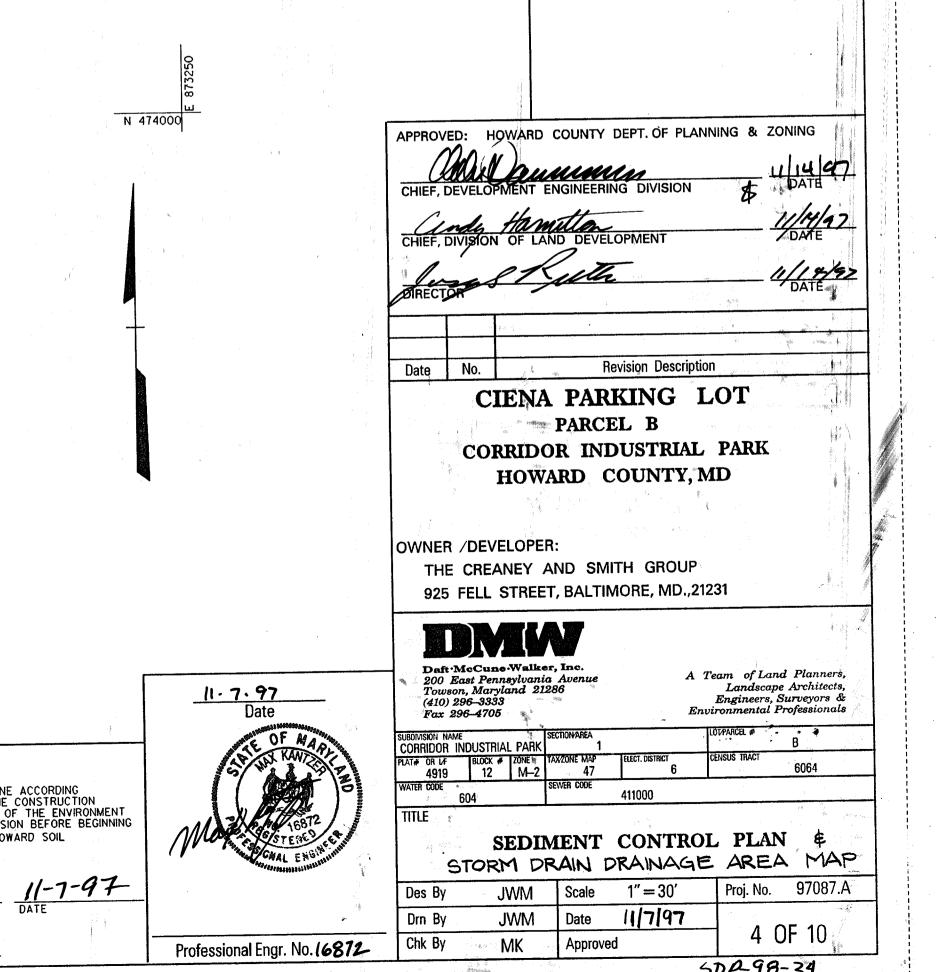
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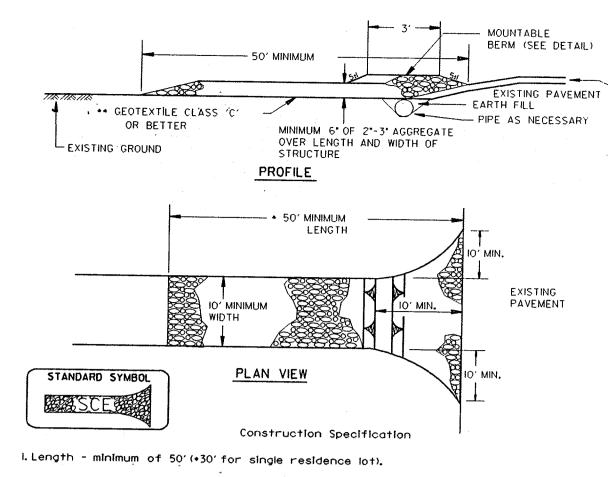
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SEQUENCE OF CONSTRUCTION		. v	•	
I. OBTAIN GRADING PERMIT.	IDAY	•		
2. INSTALL EROSION AND SEDIMENT CONTROL MEASURES.	IDAY			
3. REMOVE, RELOCATE AND CONSTRUCT UTILITIES, UNDERGROUND STORMWATER FACILITY AND STORMCEPTOR.	14 DAYS			
4. CONSTRUCT RETAINING WALLS AND ROUGH GRADE PARKING LOT.	14 DAYS			
5. FINE GRADE AND CONSTRUCT PARKING LOT.	21 DAYS	. •	· 2	I .
6. FINE GRADE AND STABILIZE DISTURBED AREAS ON SITE IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS.	14 DAYS		4	
7. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE.	IDAY		· •	



NOTE: ALL SOILS ARE HYDROLOGIC GROUP C



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2. Width - 10' minimum, should be flared at the existing road to provide a turning radius

3. Geotextile fabric Class C (filter cloth) shallbe placed over the existing ground prior to placing stone. ••The plan approval authority may not require single family residences to use geotextile.

4. 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 entronce.

5. Surface Water - all surface water flowing to or diverted toward construction entrances shallbe piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shallbe protected with a mountable berm with 5: I slopes and a minimum of 6 of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE 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.

6. 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 travelover the entire length of the stabilized construction entrance.

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U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

STABILIZED CONSTRUCTION ENTRANCE

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WATER MANAGEMENT ADMINISTRATION NOT TO SCALE

MARYLAND DEPARTMENT OF ENVIRONMENT

SOIL CONSERVATION SERVICE SUPER SILT FENCE

U.S. DEPARTMENT OF AGRICULTURE

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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: I. <u>PREFERRED</u> - APPLY 2 TONS PER ACRES DOLOMITIC LIMESTONE (92 LBS/1000 SO.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SO.FT.) BEFORE SEEDING. HARROW OR DISK 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.)

2. ACCEPTABLE - APPLY 2 TOMS PER ACRES DOLOMITIC LIMESTONE (92 LBS/1000 S0.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 S0.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH I THRU APRIL 30, AND AUGUST I THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS/1000 SO.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY ITHRU JULY SISEED WITH 60 LBS. KENTUCKY SITALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS/1000 SO.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 SOD. OPTION (3) - SEED WITH 60 LBS/ACRE KENTUCKY 3I 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 SO.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATIONS USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SO.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SO.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

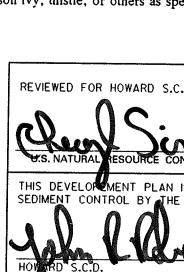
SEEDBED PREPARATION - LOOSEN UPPER THREE INCHES OF SOIL BE RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED. SOIL AMENDMENTS - APPLY 600 LBS. PER ACRE IO-IO-IO FERTILIZER (14 LBS/1000 SO.FT.)

SEEDING - FOR THE PERIODS MARCH I THRU APRIL 30, AND AUGUST IS OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SO.FT.). FOR THE PERIOD MAY I 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 SOD.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SO.FT.) OF UNROTTED WEED FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL. PER ACRE (5 GAL/1000 SO.FT.) OF EMULSIFIED ASPHLAT ON FLAT AREAS. ON SLOPES 8 FT. OR HIGHER, USE 348 GAL. PER ACRE (8 GAL/1000 SO.FT.) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES



Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

This practice is limited to areas having 2:1 or flatter slopes where:

furnish continuing supplies of moisture and plant nutrients.

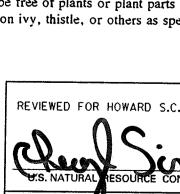
shall have the appropriate stabilization shown on the plans.

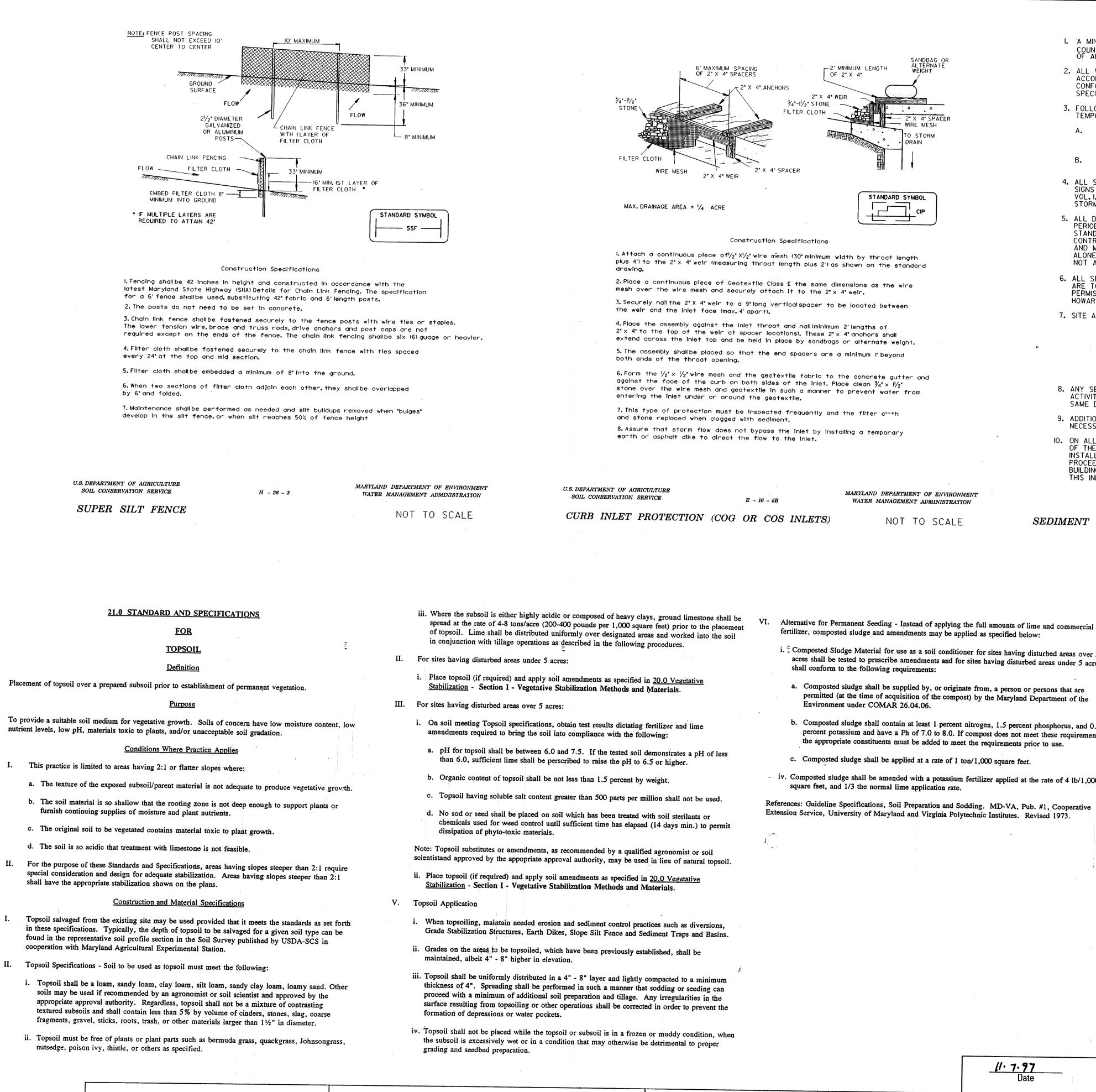
Construction and Material Specifications

found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experimental Station.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following:

- appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting fragments, gravel, sticks, roots, trash, or other materials larger than 11/2" in diameter.
- nutsedge, poison ivy, thistle, or others as specified.





C.D. AND MEETS TECHNICAL REQUIREMENTS	ENGINEER'S CERTIFICATION:	DEVELOPER'S CERTIFICATION:
ONSERVATION SERVICE	"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 REQUIRMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."	"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DON TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROS THE PROJECT, I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HO
IS APPROVED FOR SOLL EROSION AND E HOWARD SOIL CONSERVATION DISTRICT.	May 11.7.97	CONSERVATION DISTRICT.
ntoo (1)13/97	SIGNATURE OF ENGINEER PRINT NAME BELOW SIGNATURE Max Kantzer	SIGNATURE OF DEVELOPER PRINT NAME BELOW JSIGNATURE

11NIMUM LENGTH 2" X 4"	SANDBAG OI ALTERNATE WEIGHT
	- 2" X 4" SPACE
	TO STORM
	RD SYMBOL

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- MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
- NOT TO SCALE

I. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).

- 2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - SEVEN CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1
- B. FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE
- 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 12, OF THE "HOWARD COUNTY DESIGN MANUAL," STORM DRAINAGE.
- 5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS, SOD, TEMPORARY SEEDING, AND MULCHING (SECTION G). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 7. SITE ANALYSIS:
 - TOTAL AREA OF SITE AREA DISTURBED

TOTAL CUT

TOTAL FILL

- AREA TO BE ROOFED OR PAVED AREA TO BE VEGETATIVELY STABILIZED
 - 0.91 ACRES 0.84 ACRES 5.645 CUBIC YARDS 1.675 CUBIC YARDS

1.95 ACRES

1.75 ACRES

- OFF-SITE WASTE/BORROW AREA LOCATION WASTE = NA
- 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
- IO. 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.

SEDIMENT	CONTROL	GENERAL	NOTES	

- fertilizer, composted sludge and amendments may be applied as specified below:
- i. \tilde{z} Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
- a. Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.
- b. Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and percent potassium and have a Ph of 7.0 to 8.0. If compost does not meet these requirem the appropriate constituents must be added to meet the requirements prior to use.
- c. Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.
- iv. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,0 square feet, and 1/3 the normal lime application rate.
- References: Guideline Specifications, Soil Preparation and Sodding. MD-VA, Pub. #1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institutes. Revised 1973.

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<u>11-7-9+</u> DATE	SICHAL ENGINE	Des By
	A LEC	Drn By
	Professional Engr. No. 16872	Chk By

11. 7.97

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1'' = 30'

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Scale

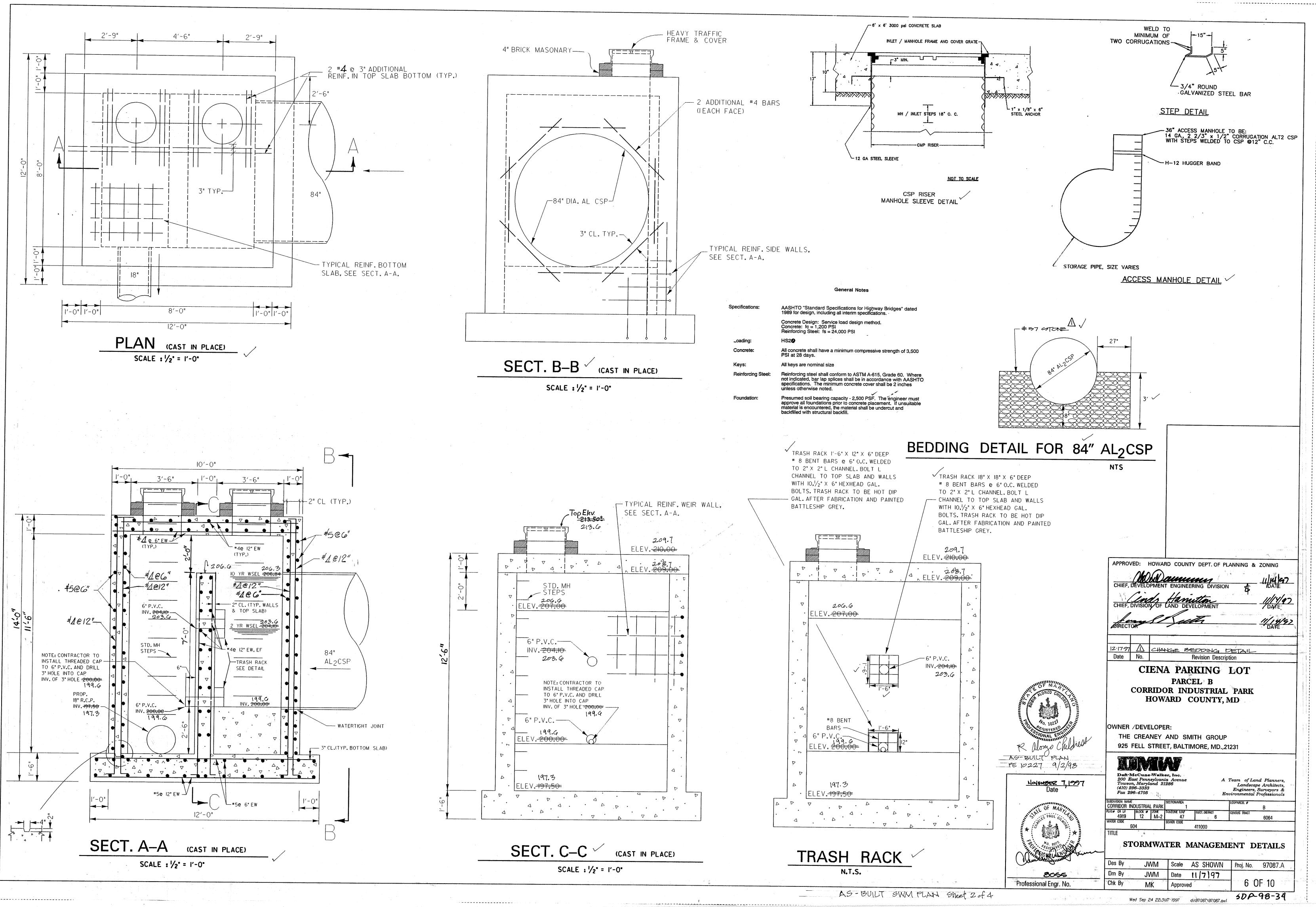
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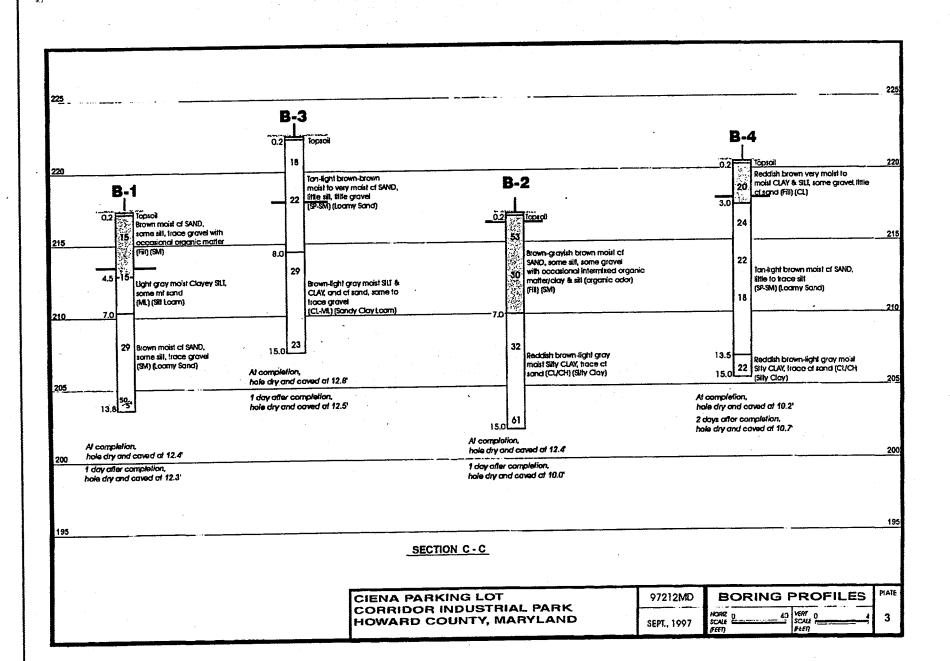
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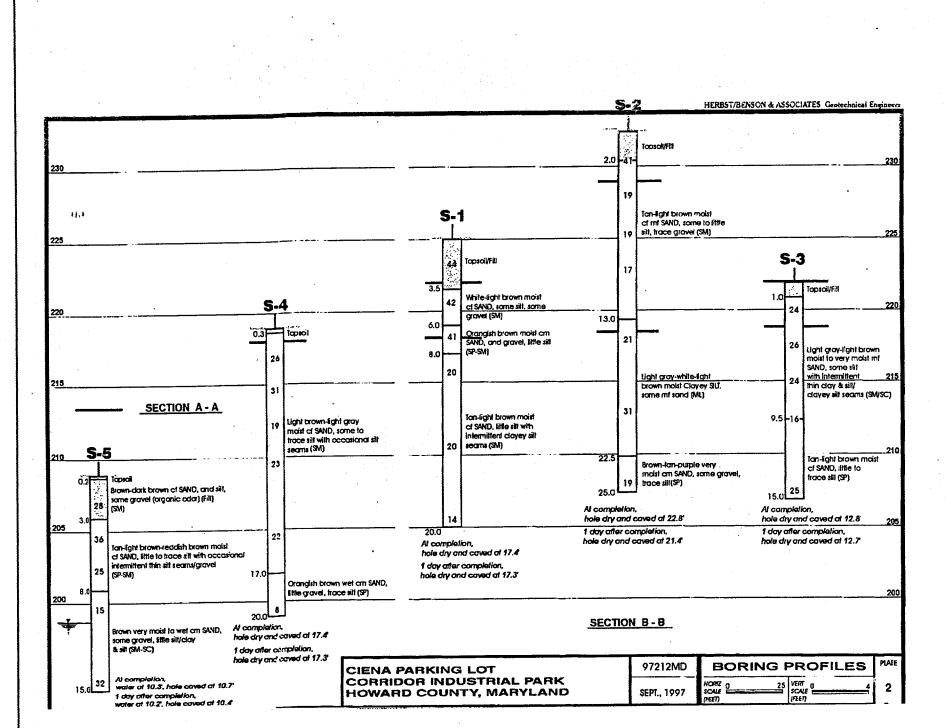
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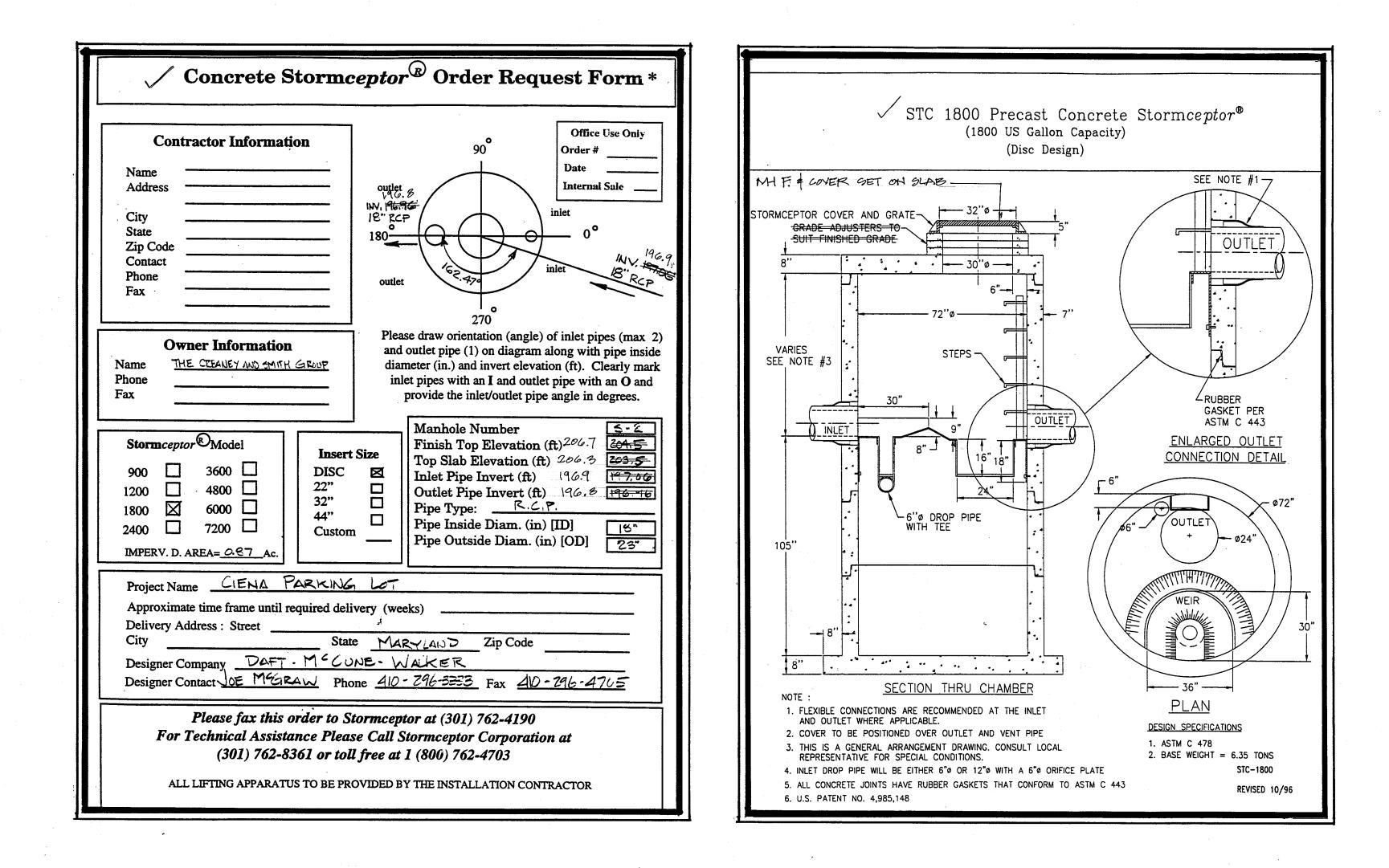






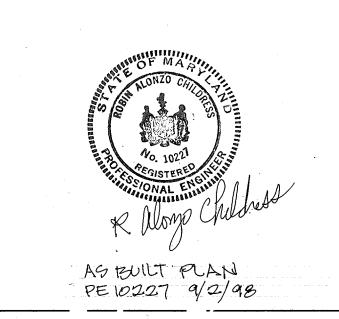
OPERATION AND MAINTENANCE SCHEDULE FOR STORMCEPTOR WATER QUALITY DEVICE

- 1. The Stormceptor water quality structure shall be periodically inspected and cleaned to maintain operation and function. The owner shall inspect the Stormceptor unit yearly at a minimum, utilizing the Stormceptor Inspection/Monitoring Form. Inspections shall be done by using a clear Plexigiass tube ("sludge judge") to extract a water column sample. When the sediment depths exceed the level specified in Table 6 of the Stormceptor Technical Manual, the unit must be cleaned.
- ⁻². The Stormceptor water quality structure shall be checked and cleaned immediately after petroleum spills. The owner shall contact the appropriate regulatory agencies.
- The maintenance of the Stormceptor unit shall be done using a vacuum truck which will 3. remove the water, sediment, debris, floeting hydrocarbons and other materials in the unit. Proper cleaning and disposal of the removed materials and liquid must be followed by the OWBEL.
- The injet and outlet pipes shall be checked for any obstructions at least once every six 4. months. If obstructions are found the owner shall have them removed. Structural parts of the Stormceptor unit shall be repaired as needed.
- 5. The owner shall retain and make the Stormceptor Inspection/Monitoring Forms available the Howard County officials upon their request.



Underground S.W.M. Facility Maintenance Schedule

The facility shall be inspected twice annually. The underground facility owner(s) and any heirs, successors, or assigns shall be responsible for the safety of the facility and the continued operation, surveillance, inspection, and maintenance thereof. All appurtenances shall be kept free of trash.

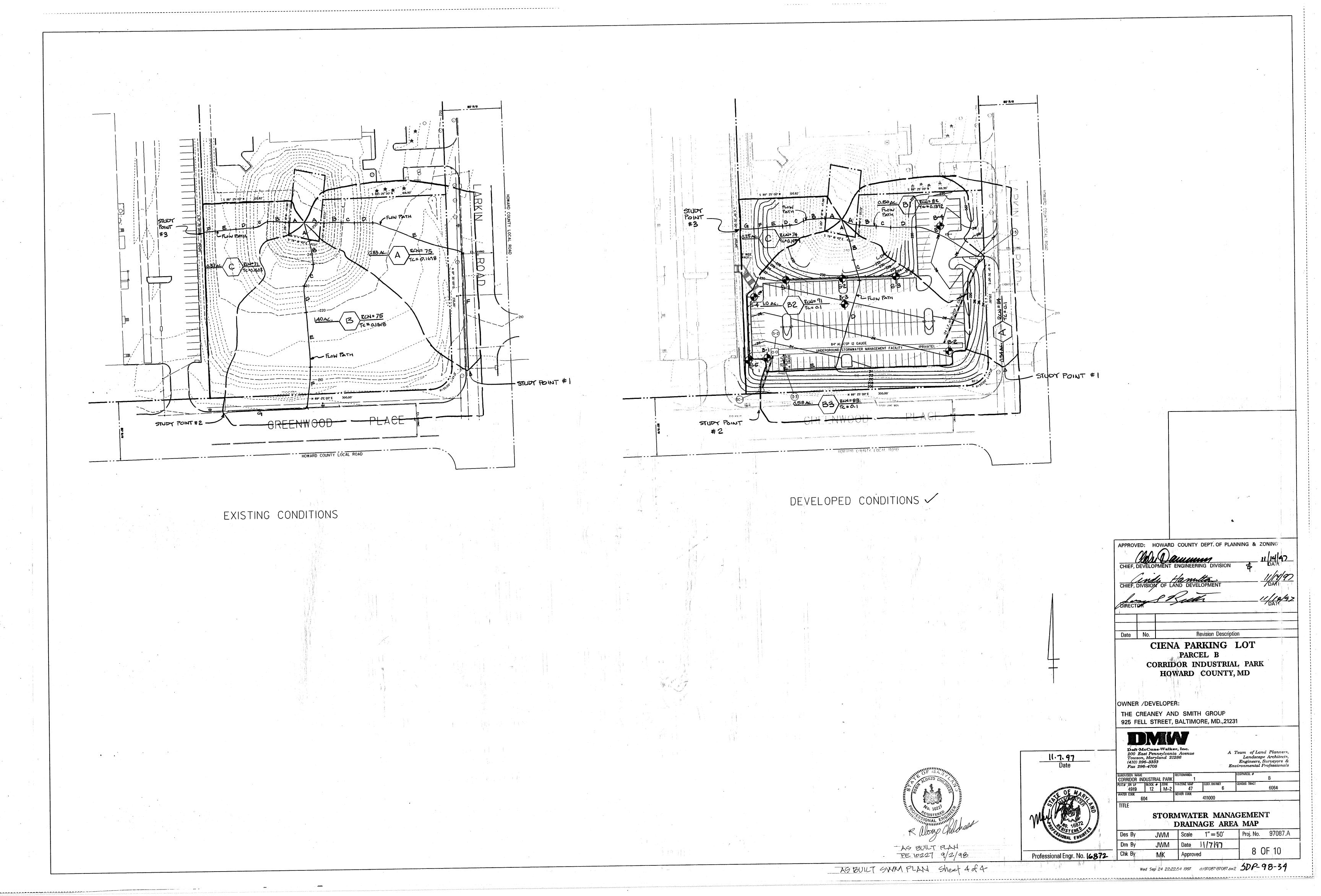


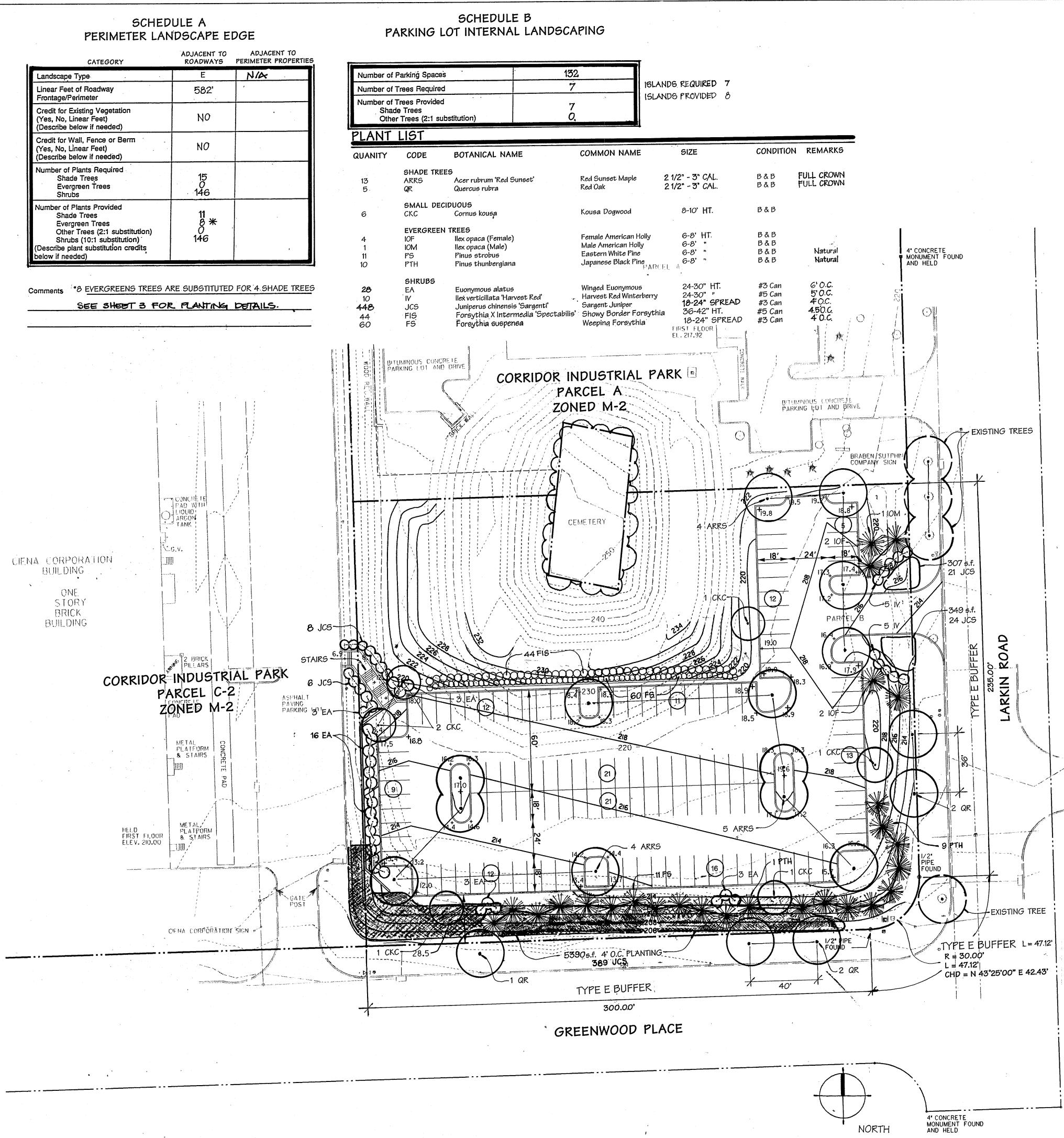
AS BUILT SWM PLAN Sheet 3 of 4

	APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
	Date No. Revision Description
	CIENA PARKING LOT
	PARCEL B
	CORRIDOR INDUSTRIAL PARK
	HOWARD COUNTY, MD.
	OWNER / DEVELOPER: THE CREANEY AND SMITH GROUP 925 FELL ST., BALTIMORE MD. 21231
	925 FELL ST., BALTIMORE MD. 21231
<u>וו. 7.97</u> Date	OWNER / DEVELOPER: THE CREANEY AND SMITH GROUP 925 FELL ST., BALTIMORE MD. 21231 Deft:McCune:Walker, Inc. 200 East Pennsylvania Avenue Touson, Maryland 21286 (410) 296-3333 Fax 296-4705
Date	925 FELL ST., BALTIMORE MD. 21231 Deft: McCune Walker, Inc. 200 East Pennsylvania Avenue Towson, Maryland 21286 (410) 296-3333 Fax 296-4705 SUBOWSON NAME CORRIDOR IND. PK. 925 FELL ST., BALTIMORE MD. 21231 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals B
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LANDSCAPE NOTES

1. The contractor shall review architectural/ engineering plan to become thoroughly familiar with grading and surface utilities.

2. All equipment and tools shall be placed so as not to interfere or hinder the pedestrian and vehicular traffic flow.

3. The contractor shall coordinate with a lighting contractor regarding the timing of the installation of plant material.

4. the contractor shall insure that his work does not interrupt established or projected drainage patterns.

5. During planting operations, excess waste materials shall be promptly and frequently removed from the site.

6. The contractor is advised of the existence of underground utilities on the site. . Their exact location shall be verified in the field with the owner or general contractor prior to the commencement of any digging operations. In the event they are uncovered, the contractor shall be held responsible for all damage to utilities and such damage shall not result in any additional expenses to the owner.

7. If utility lines are encountered in excavation of tree pits, other locations for trees shall be made by the contractor without additional compensation. No changes of location shall be made without approval of the landscape architect.

8. Maintain positive drainage out of planting beds at a minimum 2 % slope. All grades, dimensions, and existing conditions shall be verified by the contractor on site before construction begins. Any discrepancies shall be brought to the attention of the landscape architect or owner.

9. Every possible safeguard shall be taken to protect building surfaces, equipment, and furnishings. The contractor shall be responsible for any damage or injury to person or property which may occur as a result of his negligence in the execution of the work.

10. In the event of variation between quantities shown on the pant list and the plans, the plans shall control. The contractor is responsible for verifying all plant quantities prior to the commencement of work. All discrepancies shall be reported to the landscape architect, for clarification prior to bidding. The contractor shall furnish plant materials in sizes as specified in the plant list.

11. The contractor shall stake all materials located on the site for review and/or adjustment by the landscape architect prior to planting. All location are to be approved by the landscape architect before excavation.

12. Plants shall conform to current "American Standards for Nursery Stock" by American Association of Nurserymen (AAN), particularly with regard to size, growth, size of ball, and density of branch structure. Plant material shall be tagged at the source by the landscape architect unless this requirement is specifically waived.

13. All plants (B & B or container) shall be properly identified by weather-proof labels securely attached thereto before delivery to project site. Label shall identify plants by name, species, and size. Labels shall not be removed until the final inspection by the landscape architect or agent in charge.

14. Any material and/or work may be rejected by the landscape architect if it does not meet the requirements of the specifications. All rejected material shall by removed from the site by the contractor.

landscape architect.

16. The landscape architect or owner shall have the right at any stage of the operations, to reject any and all work and material which, in his opinion, does not meet the requirements of these plans and specifications.

17. The contractor shall be wholly responsible for stability and conditions of all trees and shrubs and shall be legally liable for any damage caused by instability of any plant materials.

18. All proposed trees to be installed either entirely in or entirely out of planting beds. Planting beds lines are not to be obstructed. All shrubs and ground cover areas shall be planted in continuous prepared bed and top dressed with 3-inch shredded hardwood mulch. Much shall have been shredded within the last six months.

edged.

20. Maintenance shall begin after each plant has been installed and shall continue until 90 days after final acceptance by the architect or owner representative. Maintenance includes mowing of turf, watering pruning, weeding, fertilizing, mulching, replacement of sick or dead plants, and any other care necessary for the proper growth of the pant material. The contractor must be able to provide continued maintenance if requested by the owner.

21. Upon completion of all landscaping, an acceptance of the work shall be held. The contractor shall notify the landscape architect or owner for scheduling the inspection at least seven (7) days prior to the anticipated inspection date.

22. All trees shall be guaranteed for 12 months from the date of acceptance. All shrubs and ground covers shall be guaranteed for 12 months from the date of acceptance.

23. The contractor shall dispose of stumps and major roots of all plants to be remove. Any depression caused by the removal operations shall be refilled with fertile, friable soil placed and compacted so as to reestablish proper grade for new planting and / or lawn areas.

24. The contractor shall insure adequate vertical drainage in all plant beds and planters.

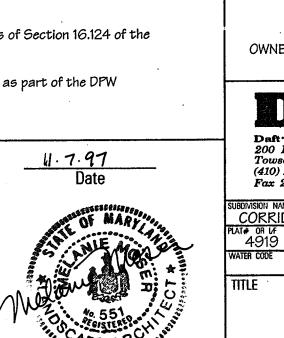
25. Al disturbed areas on the site not planted with shrubs or ground cover shall be fine graded and seeded as noted on the landscape plan.

26. This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County code and the landscape manual.

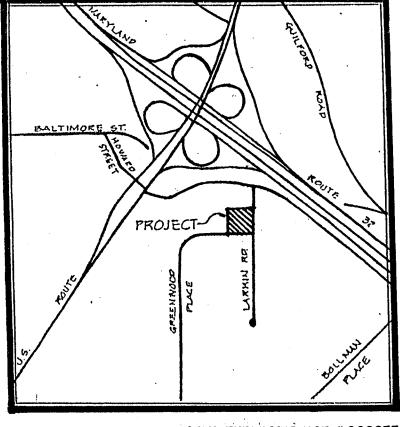
27. Financial surety for the required landscaping has been posted as part of the DPW Developers agreement in the amount of $\frac{$4060,\infty}{}$.

15. No substitutions shall be made without written consent of the owner or

19. All planting beds adjacent to lawn, sod, or seeded areas shall be spade



PROFESSIONAL LA No. 551



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SCALE: 1" = 2,000

LOCATION MAP

NORTH

DATA SOURCES: THE EXISTING TOPOGRAPHY INSIDE PROPERTY LINE WAS BASED ON FIELD RUN SURVEY BY DMW, INC. IN SEPTEMBER 1997 ..

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING AMMUM 11/19/9

Revision Description Date No. CIENA PARKING LOT PARCEL B

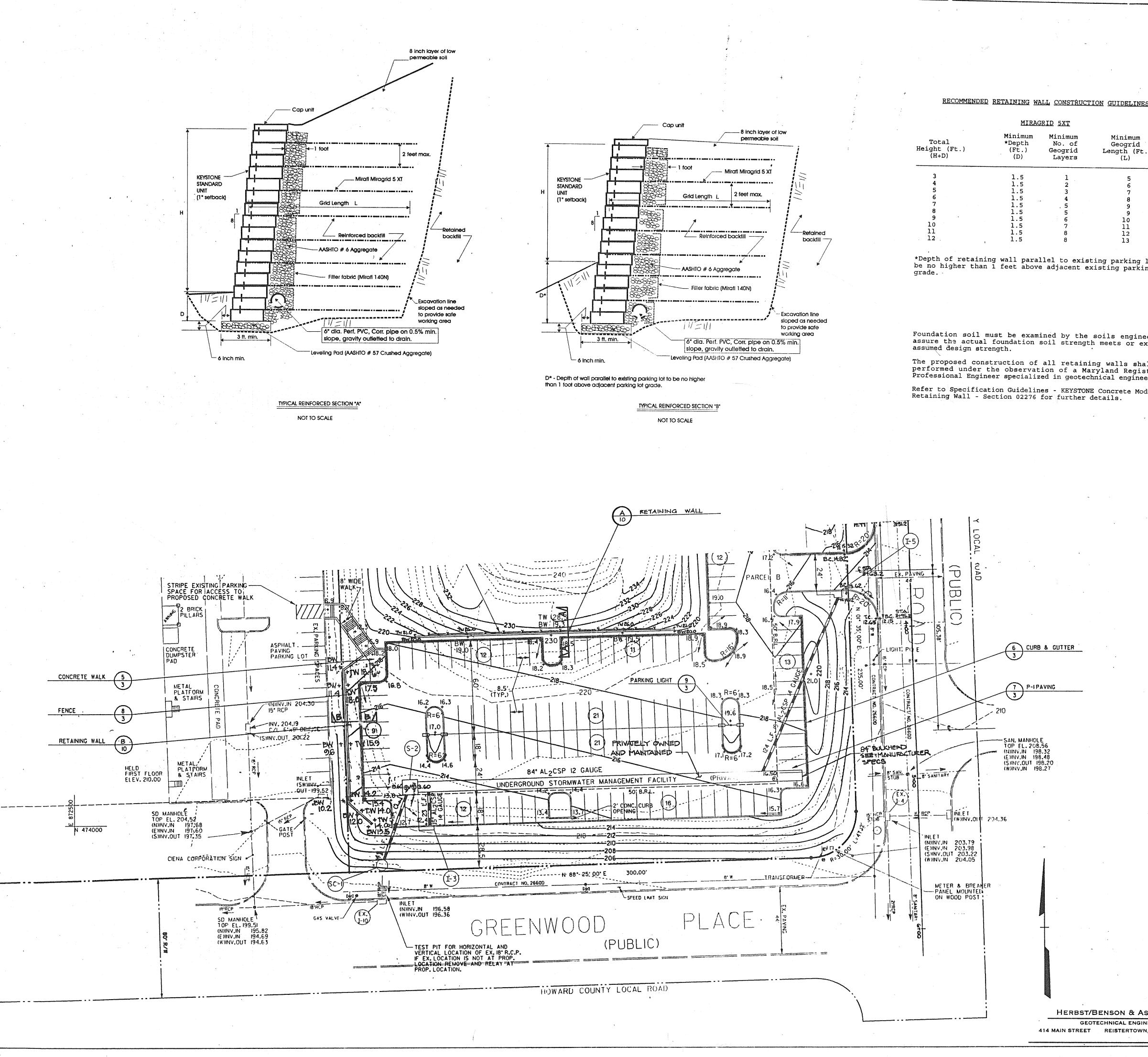
> CORRIDOR INDUSTRIAL PARK HOWARD COUNTY, MD.

OWNER/ DEVELOPER: THE CREANEY AND SMITH GROUP 925 FELL ST., BALTIMORE, MD., 21231

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