GENERAL NOTES

- 1. Subject property zoned "M-2" per 2/02/04 Comprehensive Zoning Plan.
- 2. Gross area of property = 33.142 ac. \pm
- . Property is within the Metropolitan District 4. Public water and sewer will be used within this site.
- 5. Number of parking spaces required for Proposed Building: 10
- Number of parking spaces provided: 12 6. The Contractor shall notify the following utility companies or agencies at least five (5)
- working days before starting work shown on these plans: State Highway Administration BGE(Contractor Services) 410.850.4620

BGE (Underground Damage Control) 410.787.9068 Miss Utility 1.800.257,7777 Colonial Pipeline Company 410,795,1390 Howard County, Dept. of Public Works, Bureau of Utilities 410.313.4900

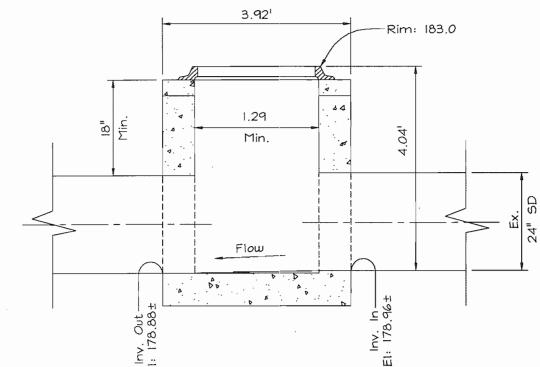
Howard County Health Department 410.313.2640 1.800.252.1133 1.800.743.0033/410.224.9210

- 7. The contractor shall notify Miss Utility at 1-800-257-7777 at least 48 hours prior to any excavation work being done. 8. The contractor shall notify the Department of Public Works/Bureau of Engineering
- Construction Inspection Division at (410) 313-1880 at least five (5) working days prior the 9. The lots shown hereon complay with the minimum ownership, width and lot area as required
- by the Maryland State Department of the Environment. 10. The project is in conformance with the latest Howard County Standards unless waivers have
- 11. All curb and gutter to be Howard County Standard R-3.01 Curb and Gutter unless otherwise noted. See Detail Sheet 2.
- 12. Boundary is based on deed liber 384 folio 437. Topography for the area subject to developement is a based on a field run topographic survey prepared by FSH Associates on or about February 2005. Five foot contours for the remainder of this site is based on Howard County 1998 Aerial Survey.
- 13. There are no floodplains, steep slopes, historic structures or cemeteries on-site.
- 14. Previous Howard County file numbers: SDP-79-36; SDP-95-128; 24-3462-D. 15. The coordinates shown hereon are based upon the Howard County Geodetic Control which is based on the Maryland State Plane Coordinate system. Howard County monument numbers 43HA and 48AA were used for this project.
- 16. No clearing, grading or construction is permitted within wetlands, streams or their required
- 17. This plan has been prepared in accordance of Section 16.124 of Howard County code and Landscape Manual 2. Financial Surety for the required landscaping shall be posted as part of the Grading Permit in the amount of \$300.00 (I shade tree @ 300.00 each).
- 18. All paving to be P-2 unless otherwise noted, see sheet 2 for details. 19. All proposed spot elevations along curb and gutter are to the flowline unless otherwise noted.
- 20. This project is exempt from the requirements of Section 16.1200 of the Howard County Code for Forest Conservation since the proposed disturbed area is within the original limit of disturbance shown on SDP-79-36, per Subdivision Section 16.1202(b)(1)(iii).
- 21. All construction shall be in accordance with the latest standards and specifications of Howard County in addition to MSHA standards and specifications if applicable.
- 22. Contractor is responsible to construct all handicap ramps and handicap access in accordance with current ADA requirements. See sheet 2 for Handicap Parking Signs.
- 23. Any damage to public right-of ways, paving or existing utilities will be corrected at the contractor's expense.
- 24. Existing utilities are located by the use of any or all of the following: Road Construction Plans, Field Surveys, Public Water and Sewer Plans and other available record drawings. Approximate location of the existing utilities are shown for the contractors information. Contractor shall locate existing utilities well in odvance of construction activities and take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the contractor's operation shall be repaired immediately at the contractor's expense.
- 25. All reinforced concrete for storm drain structures shall have a minimum of twenty-eight (28) days strength at 3,500 psi. Any RCP Storm Drain pipe bedding shall be Class 'C'.
- 26. Soil compaction specifications, requirements, methods and materials are to be in accordance with the recommendations of the project Geotechnical Engineer. Geotechnical Engineer to confirm acceptability of proposed paving section, based on soil test, prior to construction.
- 27. All traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD)
- 28. Estimates of Earthwork quantities are provided solely for the purpose of calculating fees. 29. All exterior light fixtures shall be oriented to direct light inwards and downwards on-site away from all adjoining residential properties and public roads and comply with the Requirements of Zoning Section 134. Proposed outdoor lights are wall mounted. See
- architectural plans. 30. Contractor to match proposed grade with tops of existing watermain # water valve within
- proposed paving. 31. Stormwater Management for this site for Cpv, Way and Rev is provided by reduction of impervious area by at least 20% in accordance with the redevelopment guidelines in the Maryland 2000 Stormwater Management Design Manual.
- Proposed Building: 3,456 sf± Proposed Sidewalk: 1,049 sft
- Proposed Paving: 7,148 sf± Total: 11,653 sf±
- 20% of the Total Proposed Impervious Area: 2,330.6 sf±
- Total Existing Impervious area to be removed: 5,668 sf 32. In Accordance with the MSHA Comments of 11/07/05 for this plan, the existing Vehicular
- Access Point(s) onto MD Route 175 must be removed from this site.

 33. A Knox box shall be provided to the right of the main entrance to the building 2t2 range of 4-5 feet in height and not more than 6 feet laterally from the door. A Knox box shall be installed at the entry gate:

NO.	TYPE	LOCATION	TOP I	INV. INV. IN OUT	REMARKS	
1-1	Type 'S' Inlet	N 540,958.1904 E 1,374,683.2591	183.00 17	78.96 178.88	*	
NOTES: I. Top elevations for Type 'S' Inlets in grass areas are to the center top of grate. * See detail this sheet.						
		3 921				

STRUCTURE SCHEDULE



Note: For additional information see Howard County Standard Detail SD4.22

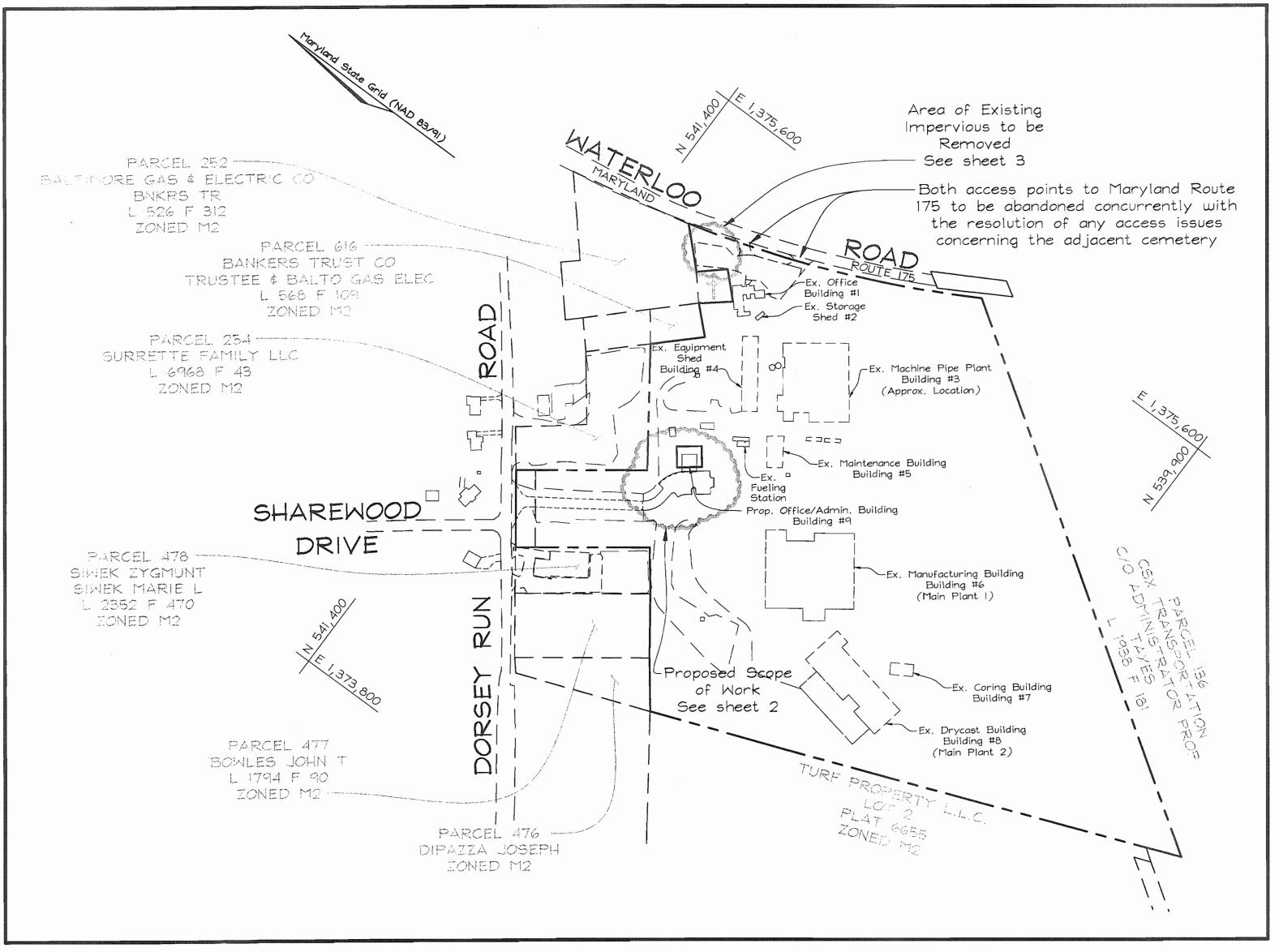
INLET 1-1

Not to scale

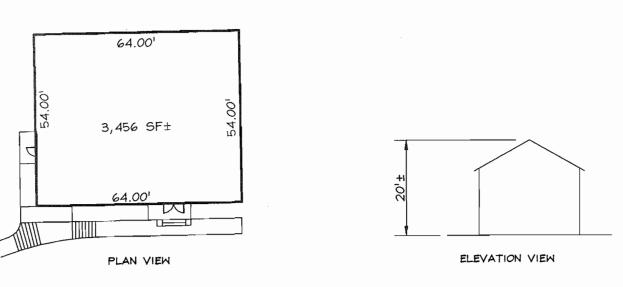
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

SITE DEVELOPMENT PLANS HANSON PIPE & PRODUCTS, INC

HOWARD COUNTY, MARYLAND



LOCATION MAP SCALE: 1"=2001



BUILDING TEMPLATE

LEGEND Existing Contour Proposed Contour 82 Spot Elevation Direction of Flow \sim Existing Trees to Remain

Stabilized Construction Entrance

Silt Fence Super Silt Fence Limit of Disturbance Soil Boundary

Fense Line At Grate Inlet Protection

Landscape Trees

Proposed Drainage Divide

Existing BGE High Voltage Direct-Burial Cable Proposed Paving

SF-----SF------LOD 在2007 2000年 1000年 2000年 ____X X X — c — c — с

> VICINITY MAP SCALE:1=20001

Existing Cemetary

PERMIT INFORMATION CHART

Tax Map No. | Elect. District | Census Tract

Lot/Parcel No.

6069.01

Section/Area

Bewer Code

Subdivision Name:

L.384 F.437

Water Code

DEED

BENCHMARKS

N 164,824.5009 E 418,746.4664 E1.: 68.5518 (meters) N 540,761.716 E 1,373,837.365 E1.: 224.907 (feet) N 164,383.5104 E 418,045.9999 EL: 73.3988 (meters) N 539,314.900 E 1,371,539.251 El.: 400.686 (feet)

SHEET INDEX	
DESCRIPTION	SHEET No.
Cover Sheet	1 of 4
Site Development, Landscaping, Sediment and Erosion Control Plan	2 of 4
Site Development, Sediment and Erosion Control Plan, Details, Sewer Profile and Parking	3 of 4
Sediment and Erosion Control Details and Sidewalk Details	4 of 4

ADDRESS CHART Street 7970 Waterloo Road

EXISTING BUILDING IDENTIFICATION / USES AND PARKING SPACE REQUIREMENT CHART

BUILDING AREA S.F.	BUILDING NAME / USE	PARKING SPACES (REQUIRED)
2,892	Office / Administration (To be removed)	0
476	Storage Shed	0
34,340	Machine Pipe Plant / Manufacturing	1.0 Space per Employee on the Major Shift = 85
9,500	Equipment Shed / Equipment Storage	0
2,880	Maintenance Building / Equipment Maintenance	0
42,550	Manufacturing Building / Manufacturing	0
1,920	Coring Building / Manufacturing	0
36,472	Drycast Building / Manufacturing	0
3,456	Proposed Office / Administration	* 3.3 per 1,000 SF = 12
	2,892 476 34,340 9,500 2,880 42,550 1,920 36,472	AREA S.F. Office / Administration (To be removed) 476 Storage Shed 34,340 Machine Pipe Plant / Manufacturing 9,500 Equipment Shed / Equipment Storage 2,880 Maintenance Building / Equipment Maintenance 42,550 Manufacturing Building / Manufacturing 1,920 Coring Building / Manufacturing 36,472 Drycast Building / Manufacturing

* Included in the total of 85 employees on the major shift.

SITE ANALYSIS DATA CHART

- a. Total project area: 33.124 Acres±
- b. Area of plan submission: 33.124 Acrest c. Limit of disturbed area: 1.264 Acrest
- d. Present zoning: "M-2" per 02/02/04 Comprehensive Zoning Plan. e. Proposed uses for site \$ structures: See above chart
- f. Floor space on each level of building(s) per use: One Level; 3456 s.f. per Level;
- 3456 s.f. Total h. DPZ file references: SDP-79-36, SDP-95-128, 24-3462-D
- i. Number of parking spaces required: 85 spaces Machine Pipe Plant/Manufacturing: 1.0 Space per Employee on Major Shift = 85 spaces
- Total number of parking spaces provided: 107 spaces
 Total required Handicap parking spaces: 5 spaces; including
- van accessable space Total provided Handicap parking spaces: 5 spaces; including

OWNER/DEVELOPER

I van accessable space

Hanson Pipe & Products, Inc. John Blankenship 2900 Terminal Avenue Richmond, VA 23234 804-233-5471 (Ph)

COVER SHEET

804-233-5542 (Fax)

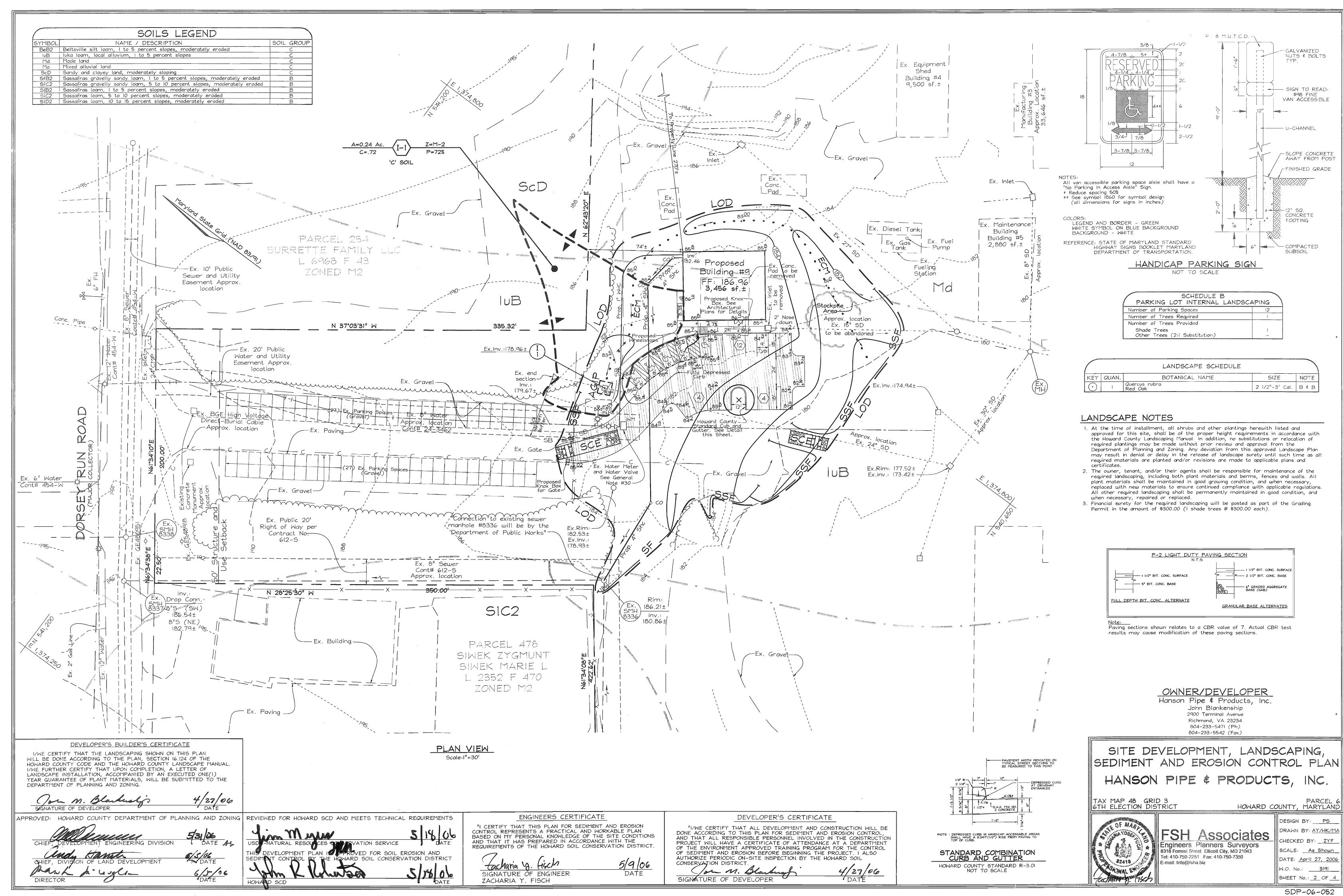
HANSON PIPE & PRODUCTS, INC

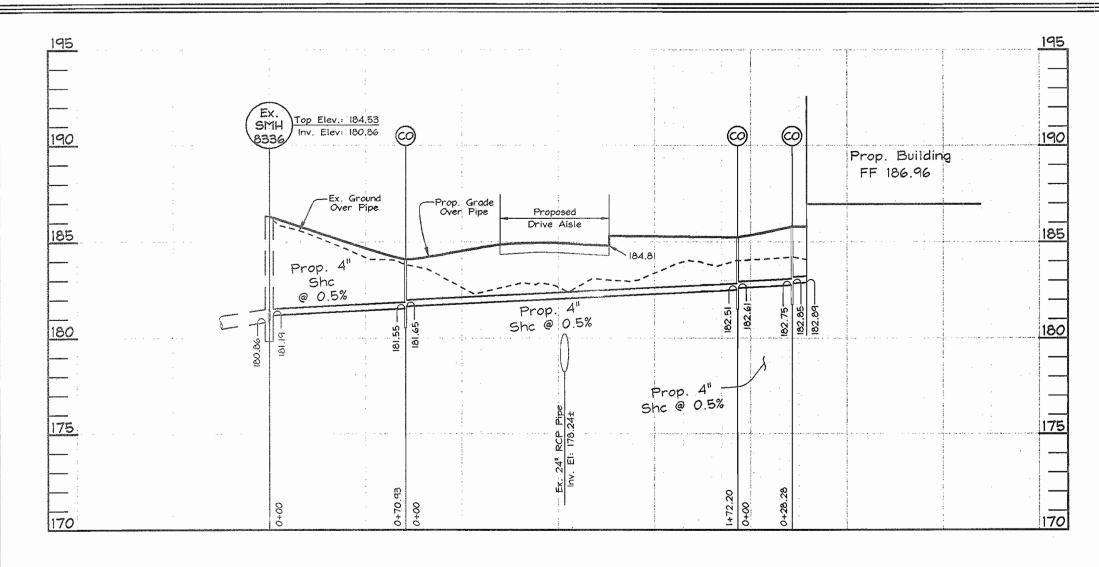
TAX MAP 48 GRID 3 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

Engineers Planners Surveyors 8318 Forrest Street Ellicott City, MD 21043 Tel: 410-750-2251 Fax: 410-750-7350 E-mail: Info@fsha.biz

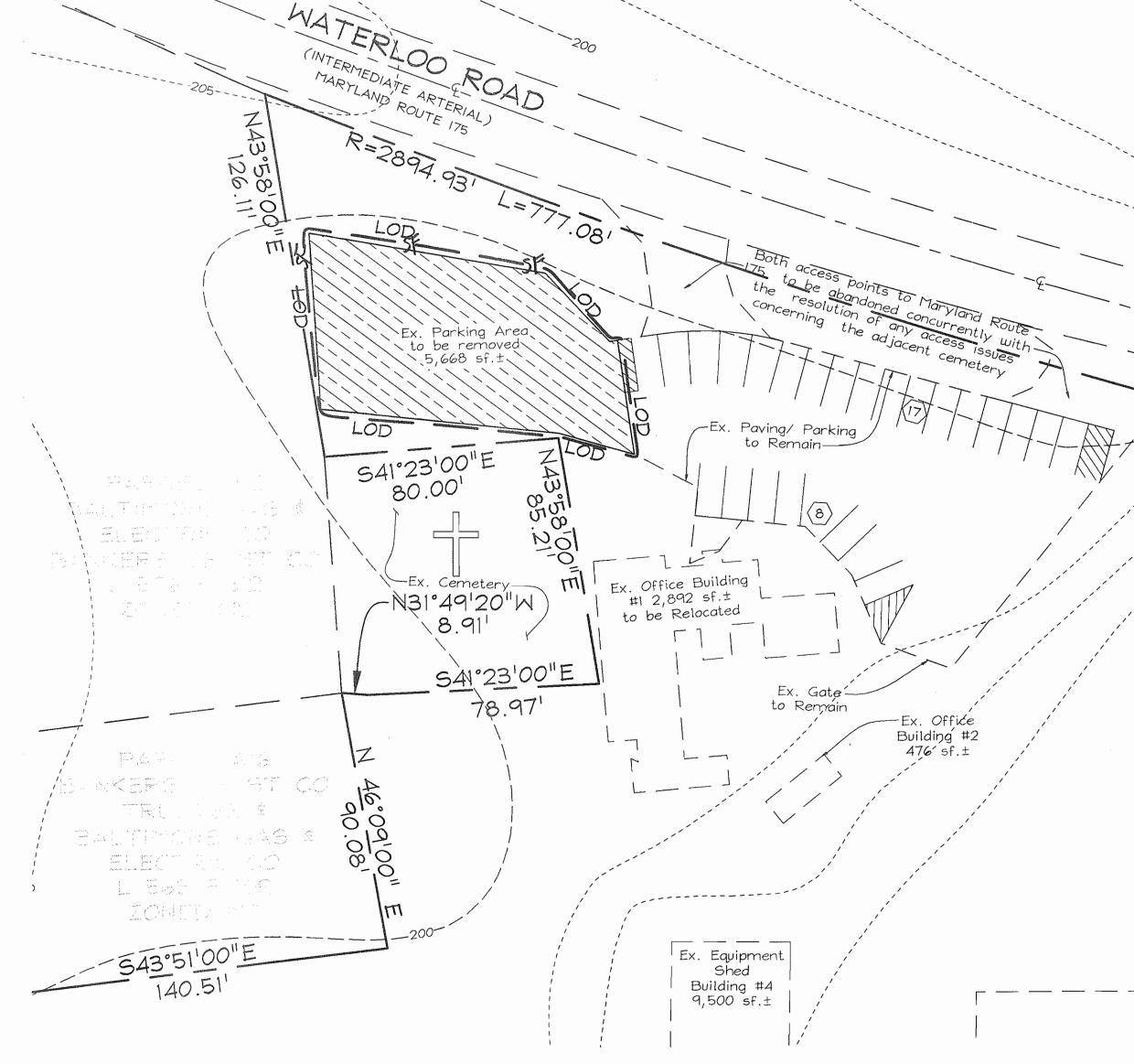
DESIGN BY: PS DRAWN BY: AY/HK CHECKED BY: ZYF SCALE: As Shown DATE: <u>April 27, 2006</u> W.O. No.: <u>3191</u> SHEET No .: 1 OF 4

SDP-06-052



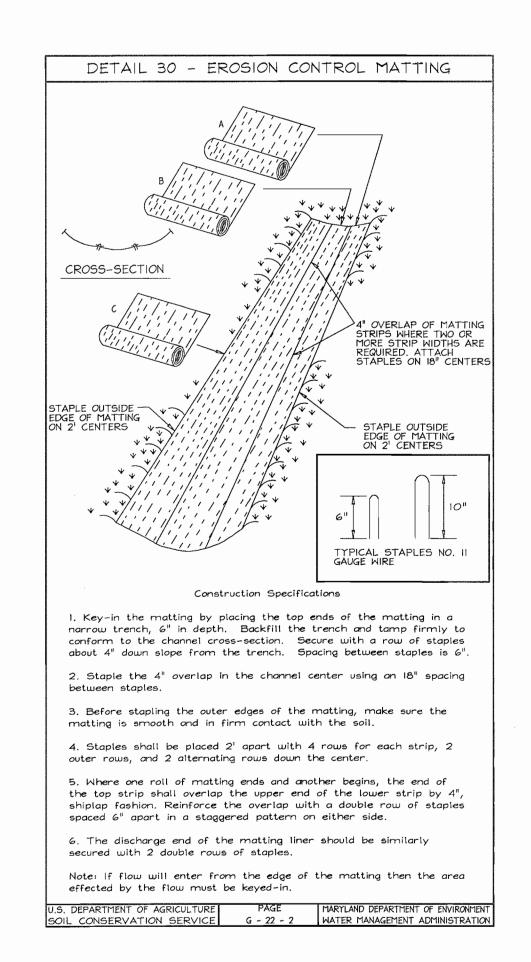


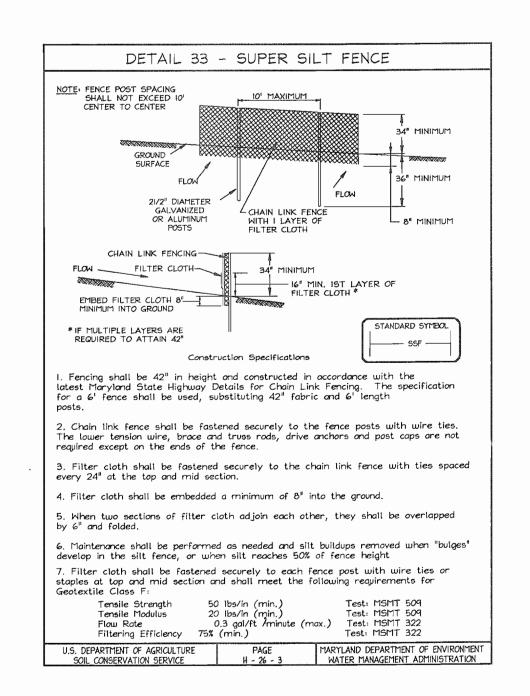
SEWER HOUSE CONNECTION PROFILE SCALE: Hor.: 1"=50' Vert.: 1"=5'

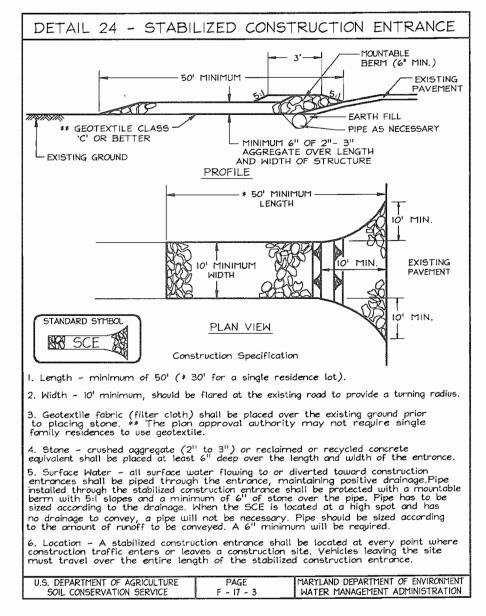


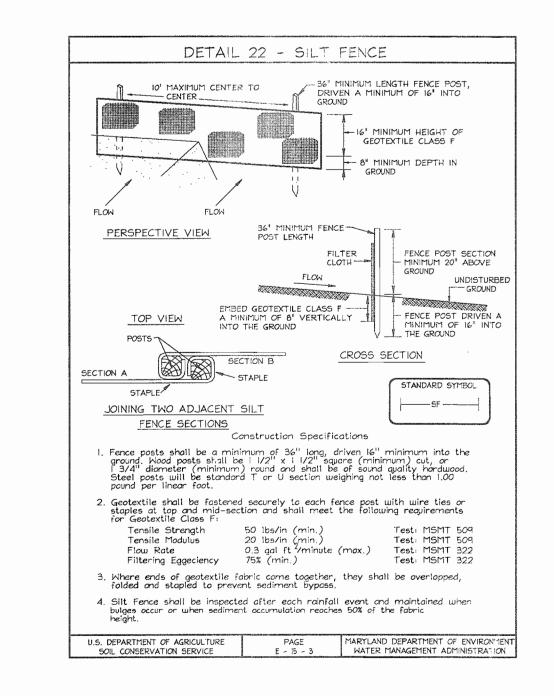
DETAIL OF EXISTING IMPERVIOUS AREA TO BE REMOVED SCALE: 1"=30'

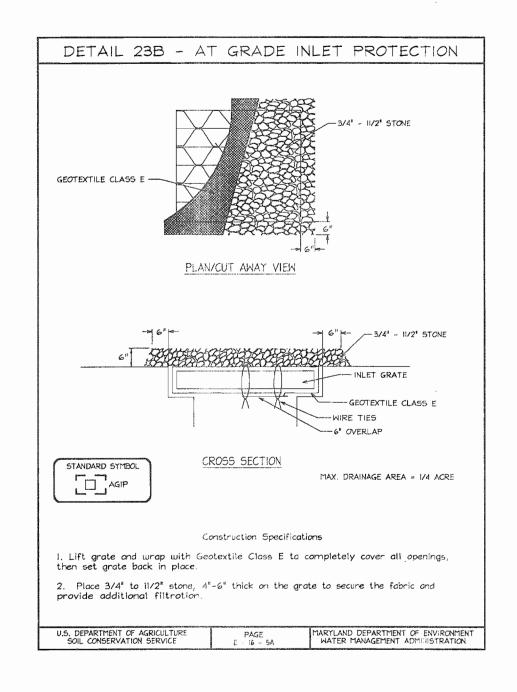
DA-NATURAL RESOURCES ONSERVATION SERVICE











OWNER/DEVELOPER Hanson Pipe & Products, Inc. John Blankenship 2900 Terminal Avenue Richmond, VA 23234 804-233-5471 (Ph)

804-233-5542 (Fax)

SITE DEVELOPMENT, SEDIMENT AND EROSION CONTROL PLAN, DETAILS, SEWER PROFILE AND PARKING HANSON PIPE & PRODUCTS, INC.

6TH ELECTION DISTRICT

TAX MAP 48 GRID 3

Engineers Planners Surveyors 8318 Forrest Street Ellicott City, MD 21043 Tel: 410-750-2251 Fax: 410-750-7350 E-mail: Info@fsha.biz

HOWARD COUNTY, MARYLAND DESIGN BY: PS DRAWN BY: AY/HK CHECKED BY: ZYF SCALE: As Shown DATE: <u>April 27, 2006</u> ||| W.O. No.: <u>3191</u> SHEET No.: 3 OF 4

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS PLANS APPROVED FOR SOIL EROSION AND BY THE HOWARD SOIL CONSERVATION DISTRICT SIGNATURE OF ENGINEER

ENGINEERS 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 CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ZACHARIA Y. FISCH

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. 4/27/06 DATE

21.0 STANDARDS AND SPECIFICATIONS

FOR TOPSOIL

Hir tion Placement of topso. ver .. one sared subsoil prior to establishment of per nament vegetation.

To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient

levels, low pH, materials toxic to plants, and/or unacceptable soil graduation. Conditions Where Practice Applies

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

a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.

b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.

c. The original soil to be vegetated contains material toxic to plant growth.

d. The soil is so acidic that treatment with limestone is not feasible.

11. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate

stabilization shown on the plans. Construction and Material Specifications

I. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be 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:

Topsoil shall be a loam, sandy loam, clay loam. silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger that I and 1/2" in

ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.

iii. Where the aubsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedure:

II. For sites having disturbed areas under 5 acres: i. Place topsoil (if required) and apply soil amendments as specified in <u>20.0 Vegetative Stabilization</u> - Section 1 - Vegetative Stabilization Methods and Materials. iii. For sites having disturbed areas over 5 acres: On soil meeting topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:

a. pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher. b. Organic content of topsail shall be not less than

1.5 percent by weight.

c. Topsoil having soluble salt content greater than 500 parts per million shall not be used. d. No sod or seed shall be placed on soil soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has

elapsed (14 days min.) to permit dissipation of phyto-toxic materials. NOTE: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of

ii. Place topsoil (if required) and apply soil ammendments specified in 20.0 Vegetative Stabilization-Section I-Vegetative Stabilization Methods and Materials.

V. Topsoil Application

natural topsoil.

i. When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.

ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.

iii. Topsoil shall be uniformly distributed in a 4" -8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.

iv. Topsoil shall not be place while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

SEDIMENT CONTROL NOTES

- 1. A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).
- 2. All vegetation 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. and revisions thereto.
- 3. Following initial soil disturbance or redisturbance, 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
- 4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, 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 seeding, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall 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	33.124 Acres
Area Disturbed	1.267 Acres
Area to be roofed or paved	0.3064 Acres
Area to be vegetatively stabilized	0.9606 Acres
Total Cut —————	*244 CY
Total Fill	*3,067 CY
Offsite waste/borrow area location	**
Offsite waste/borrow area location	<u> </u>

- 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 Sediment Control Inspector.
- 10. 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.
- 11. Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.
- * Earthwork quantities are solely for the purpose of calculating fees. Contractor to verify all quantities prior to the start of construction.
- ** To be determined by contractor, with pre-approval of the Sediment Control Inspector with an approved and active grading permit

SEQUENCE OF CONSTRUCTION

- 1. Obtain grading permit.
- 2. Notify Howard County Department of Inspections, License and Permits at (410) 313-1880 at least 24 hours before starting any
- 3. Install Stabilized Constructon Entrance, Silt fence and Super Silt
- Fence. (I week)
- 4. Rough grade site, construct storm drain inlet, install at grade inlet
- protection and begin building construction. (I week) 5. Construct drive aisles, parking areas and finish building construction.
- 6. Fine grade site. (2 weeks)
- 7. Remove existing paved area (see sheet 3) and topsoil stabilize with permanent stabilization measures (2 days).
- 8. Upon stabilization of all disturbed areas and with the permission of the Sediment Control Inspector, remove all sediment control measures and stabilize any remaining disturbed area. (I week)

at rates recommended by the manufacturers. Permanent Seeding Summary Lime Rate Seed Mixture (Hardiness Zone <u>7a</u> and 6b) Fertilizer Rate From Table 25 (10-20-20) Application | Seeding N P205 K20 Species Rate (1b/ac) Dates 901b/ac 1751b/ac 1751b/ac 2tons/ac

PERMANENT SEEDING NOTES

SOIL AMENDMENTS: In lieu of soil test recommendations, se the following schedule: Apply 2

a ratio of 50 lbs. Of wood fibre/ 100 gal. of water. I reflect tiquid binders such as Terra

3/1-5/15

8/15-11/15

Tax II, Acrylic DLR (Agro- Tack), DCA-70, Petroset and their approved equals may be used

SEEDING: Apply a mixture of Turf Type Tall fescue(80°) 1 Hard Fescue (20%) in

tons per acre dolomitic limestone(92 lbs/1000 s.f.) And 900 lbs. / acre (20.7 lbs./1000s.f.) of

MEDIATE FURTHER

raking, dische or other

ent Seeding Summary shown on

2 in. Deep layer of un-rotted

facre if a mulch anchoring tool is

a rate of 750 lbs. / acre mixed at

(2.01b/ (41b/ (41b/ (1001b/

1000sf) 1000sf) 1000sf)

ly straw mulch at rates and

11thin proper seeding dates.

VE COVER IS NEEDED.

APPLY TO GRADED OR CLEARED AREAS NOT SUBJE-

10-20-20 before seeding. Harrow or disc into upper 3 in. 13 so

120

DISTURBANCE WHERE A PERMANENT LONG-LIVED VI

SEEDBED PREPARATION: Loosen upper three inches of

acceptable means before seeding, if not previously looses

accordance with seeding dates and rates shown in the

this sheet. For stabilization outside of the seeding dot

methods specified below and apply permanent seeding

MULCHING: Immediately following seeding, apply a unif.

small grain straw at a rate of 2 tons/acre. (Apply 2.)

used). Straw may be anchored with wood cellulose fiber

Tall Fescue (80%)

Hard Fescue (20%)

TEMPORARY SEEDING NOTES

0.5 in.

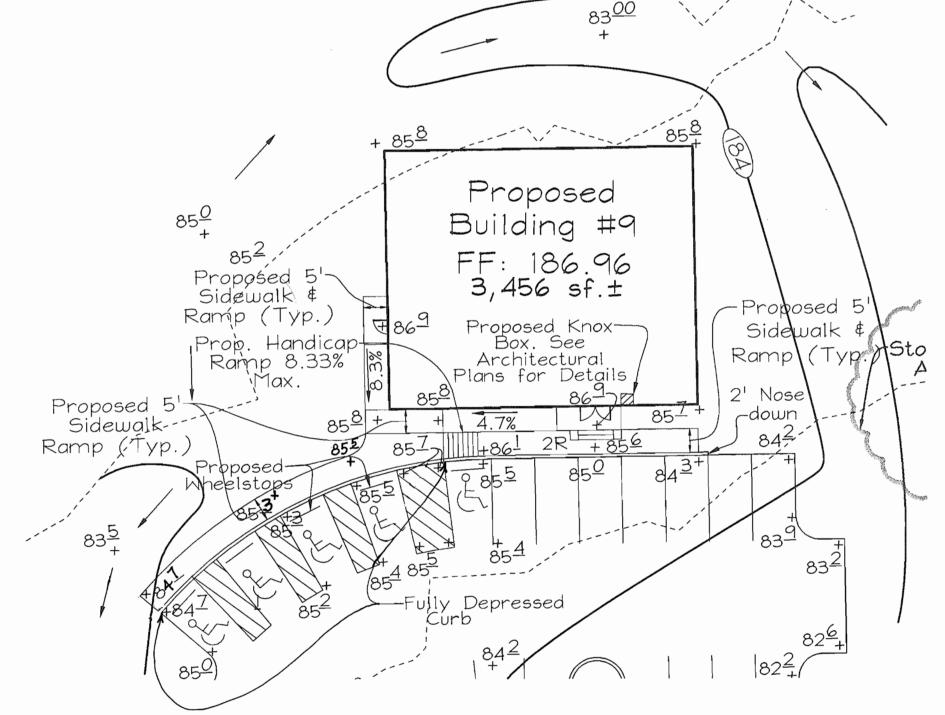
SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use the following schedule: Apply 2 tons per acre dolomitic limestone(92 lbs/1000 s.f.) And 600 lbs. / acre (15 lbs./1000s.f.) of 10-10-10 before seeding. Harrow or disc into upper 3 in. Of soil. SEEDING: Apply the Maryland State Highway approved seed mixture of Barley or Rye plus Foxtail Millet in accordance with seeding dates and rates shown in the Temporary Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below.

MULCHING: Immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is used). Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. Of wood fibre/ 100 gal. of water. Synthetic liquid binders such as Terra Tax II, Acrylic DLR (Agro- Tack), DCA-70, Petroset and other approved equals may be used at rates recommended by the manufacturers.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROLFOR RATE AND METHODS NOT COVERED.

Temporary Seeding Summary							
	Seed Mixtu	re (Hardiness Zor From Table 26			Fertilizer Rate (10-10-10)	Lime Rate	
No.	Species	Application Rate (1b/ac)	Seeding Dates	Seeding Depths			
2	Barley or Rye plus Foxtail Millet	150 1bs (3.51bs/1000sqf)	2/1-11/30 (7a) 3/15-10/31 (6a)		600 lb/ac (151b/1000sf)	2 tons/ac (1001b/1000sf)	



DETAIL OF PROPOSED SIDEWALK SCALE: 1"=20'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

CONSERVATION DISTRICT

ENGINEERS 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 CONDITIONS
AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER ZACHARIA Y. FISCH

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

OWNER/DEVELOPER Hanson Pipe & Products, Inc

John Blankenship 2900 Terminal Avenue Richmond, VA 23234 804-233-5471 (Ph) 804-233-5542 (Fax)

SEDIMENT AND EROSION CONTROL DETAILS AND SIDEWALK DETAILS

HANSON PIPE & PRODUCTS, INC

TAX MAP 48 GRID 3 6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



|Engineers Plancer Surveyors 8318 Forrest Street Ellica Tel: 410-750-2251 Fax: E-mail: Info@fst biz

DESIGN BY: PS DRAWN BY: AY/HK . CHECKED BY: ZYF SCALE: As Shown DATE: <u>April 27, 2006</u> W.O. No.: ____3191 SHEET No.: 4 OF 4