SITE DEVELOPMENT PLAN DESCRIPTION ITLE SHEET SITE DEVELOPMENT PLAN DRAINAGE AREA MAP AND SEDIMENT CONTROL PLAN L.B.SMITH STORMWATER MANAGEMENT AND SEDIMENT CONTROL NOTES AND DETAIL LANDSCAPE PLAN 1ST ELECTION DISTRICT 1 ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW HOWARD COUNTY, MARYLAND 2 ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, 1 e , STANDARD SPECIFICATIONS AND DETAILS APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST VICINITY MAP PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTLD SERVICE ANY DAMAGE INCURRED DUE TO CONTRACTOR'S LOCATION AND ELEVATION THE CONTRACTOR SHALL NOTIFY THE ENGINEER CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS L & P TELEPHONE COMPANY HOWARD COUNTY BUREAU OF UTILITIES 992-2366 AS BUILT CERTIFICATION 393-3553 ATAT CABLE LOCATION DIVERSION BALTIMORE GAS & ELECTRIC COMPANY 531-5533 STATE HIGHWAY ADMINISTRATION HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT D ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTIRIOR MANHOLE WALLS N 71° 52° 08' E 17 23' APPROVED FOR PUBLIC WATER AND PUBLIC SEWERACE SYSTEMS PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN 10 NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO 13 ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL G2 OF (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL IV OF HOWARD COUNTY DESIGN MANUAL UNLESS 14 THE DEVELOPER IS RESPONSIBLE FOR THE AQUISITION OF ALL EASEMENTS RIGHTS AND / OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACCROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN HE IS ALSO RESPONSIBLE FOR THE AQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT COMMUNITY PLANNING AND PROPERTIES INCLUDED IN THIS PLAN LAND DEVELOPMENT 15 THE OWNER SHALL PROVIDE A SEPARATE AND INDEPENDENT SEWER CONNECTION FOR EACH TENANT OR OCCUPANT OF ANY BUILDING, SHOWN ON THIS SITE DEVELOPMENT PLAN, WHO WILL DISCHARGE NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM IF THIS WASTE IS REGULATED UNDER SECTION 18 122A OF THE HOWARD COUNTY CODE EACH SEPARATE AND INDEPENDENT APPROVED: FOR PUBLIC, WATER, PUBLIC SEWERAGE, STORM SEWER CONNECTION SHALL INCLUDE A STANDARD MANHOLE AND OTHER WASTE DRAINAGE SYSTEMS AND PUBLIC ROADS PRETREATMENT DEVICES AS REQUIRED AND APPROVED BY HOWARD COUNTY WASTE LINES ON THE INTERIOR OF THE BUILDING SHALL BE DESIGNED, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS CONSTRUCTED OR MODIFIED SUCH THAT NON-DOMESTIC WASTE WILL BE DISCHARGED TO THE SEPARATE AND INDEPENDENT SEWER CONNECTION NO TENENT OR OCCUPANT OF ANY BUILDING SHOWN ON THIS SITE DEVELOPMENT PLAN SHALL DISCHARGE REGULATED NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM PRIOR TO INSTALLATION OF THE SEPARATE AND INDEPENDENT SEWER CONNECTION AND RELATED INTERIOR WASTE LINES THE ABOVE REQUIREMENTS SHALL APPLY TO ALL INITIAL AND FUTURE OCCUPANTS N 46" 11 42"E 261 PROPOSED BUILDING 16 REFERENCE WP-88-42 5-88-17, F-88-191 N71° 47 ' 56"E STTE TABULATION 266020.92 SQ FT. AREA OF PARCEL 6.107 ACRES PRESENT ZONING. K-2 PROPOSED USE: OFFICE; CONSTRUCTION EQUIPMENT PEPAIR & SERVICE PROPOSED BUTLDING COVERAGE: 151// SO FT. OWNER / DEVELOPER PROPOSED FLOOR SPACE (ONE STORY STRUCTURE) SMITH LAND & IMPROVEMENT CORPORATION 3,638 SQ FT. FIRST FLOOR. OFFICES SERVICE AND REPAIR 11,506 SQ. FT. 2001, STATE ROAD MAXIMUM NUMBER OF EMPLOYEES: CAMP HILL, PA 17011 SERVICE AREA EMPLOYEES: 10 (717) - 737 - 3431 OFFICE EMPLOYEES: NUMBER OF PARKING SPACES REQUIRED N4750 23@ 1 SPACE /500 5Q FT L.B.SMITH SERVICE AREA. 6 @ 7 EMPLOYEES/10 SPACES OFFICE. TOTAL NUMBER OF PARKING SPACES REQUIRED: 29 (OFFICE AND SERVICE BUILDING) TOWAL NUMBER OF PARKING SPACES PROVIDED: 29 (INCLUDING 1 HANDICAPPED SPACE) TOTAL PARKING AREA: 7,353 SQ. FT. AREA TAX MAP 43 LANDSCAPED 'SLANDS REQUIRED: 5% 367.55 SQ. YT. 1ST ELECTION DISTRICT LANDSCAPED 'SLANDS PROV'DED: 5% 369 SQ. FT. HOWARD COUNTY, MARYLAND OPEN SPACE PROVIDED 70% (187,177 5Q FT) 4207Ac TITLE SHEET THE RIEMER GROUP, INC. The Riemer Group, Inc. A Land Planning Design & Civil Engineering Firm 3105 North Ridge Road, Ellicott City, Maryland 21043 (301) 461 2690 ADDRESS CHART LOT NUMBER 7430 MONTEVIDEO ROAD 7-1-88 SUBDIVISION NAME PARCEL A SOUTH ELEVATION 5551000

PROJECT

REVISION

5-88-17 WP-88-42 88-101

DESIGNED BY JDP

DRAWN BY DDB

PROJECT NO 43100

SCALE AS SHOWN

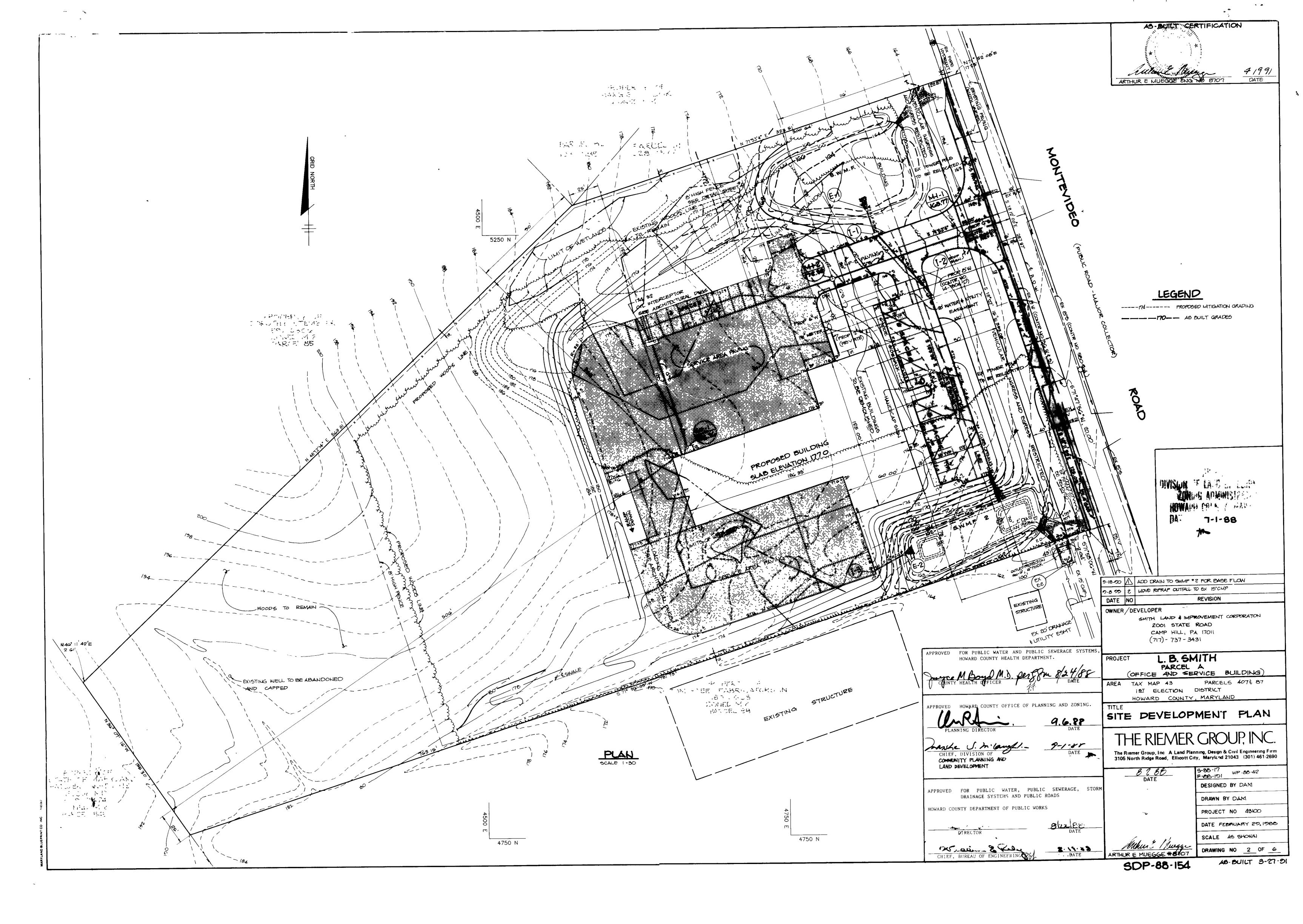
DATE FEBRUARY 29, 1988

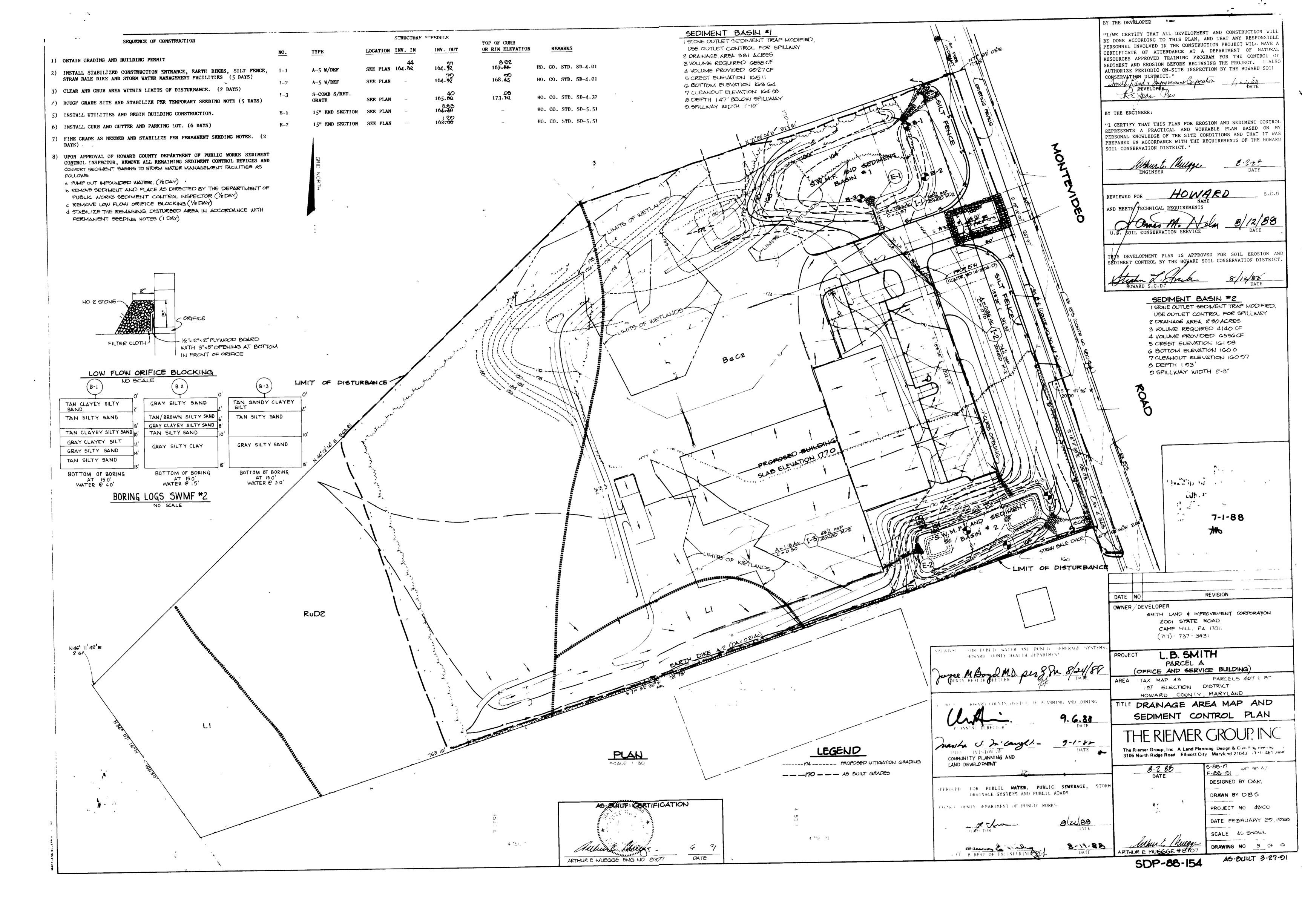
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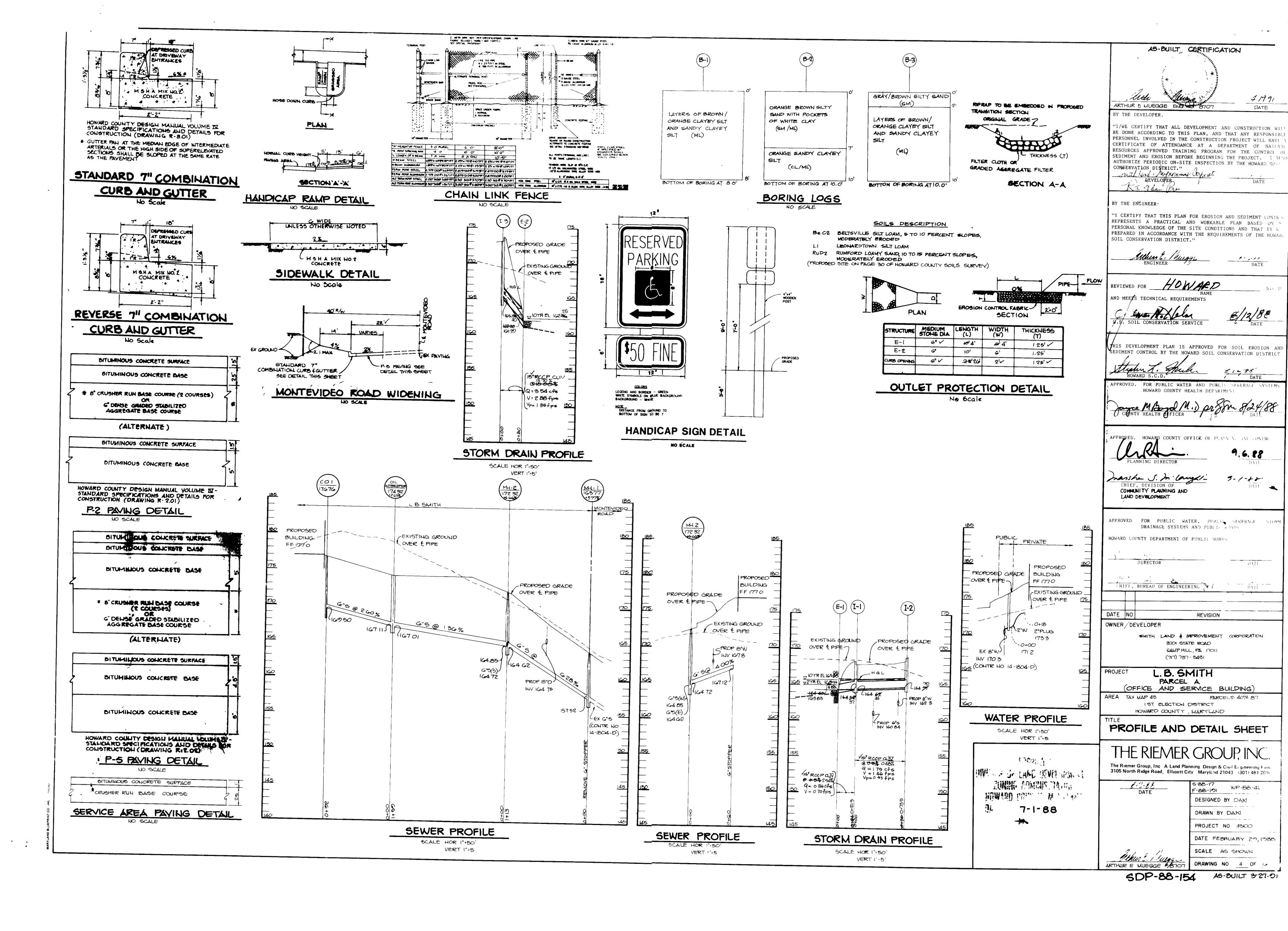
AS-BUILT 3-27-01

PARCEL A

SHEET INDEX







1 A minimum of 24 hours rotice must be given to the Howard County Office of Inspections and Permits prior to the start of any " HOARD SYMBOL THE

PROFILE

PLAN VIEW

CONSTRUCTION SPECIFICATIONS

ROLOWIEL STATE DITTO

SEED HITH LATE, OR SODI

B RIP-NO TO ME 4-5 MIDES IN A LAWER AT LEAST 5 INDES THEOREM AND PRESENT IN

THE SOIL.

TO PROVED ENVIYOUENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.

PERIODIC EMPECTION AND REGULARD HAZMENHARE PLAT BE PROVIDED AFTER EACH FARM ENGINE.

EARTH DIKE

FILL MATERIAL SHALL

BE MOST IMPERVIOUS MATERIAL AVAILABLE

AND SHALL BE PLACED

AND TAMPED TO 95%

CORE TRENCH TYP. SECTION

HO SCALE

-4 VERTICAL PACE

BEDDING DETAIL

EXISTING GROUND

COMPACTION.

3.1-5.05 Som we Smort Race

longe lot where a 30 feet minimum length would apply).

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

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 project site

4 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 DESICN MANUAL, Storm Drainage

All disturbed areas must be stabilized within the time period SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec 51) sod (Sec 54), temporary seeding (Sec 50) and mulching (Sec 52) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses

over the entire length of the fill. The most porous borrow material . 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

> Total Area of Site GIOT acres Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized Total Cut total Fill

Any sediment control practice which is disturbed by grading activity. for placement of utilities must be repaired on the same day of

Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector

sures have been installed and are in a functioning condition Sediment will be removed from traps when its depth reaches the clean

or cleared areas likely to be redisturbed where a

Soil Amendments Apply 600 lbs per acre 10-10-10 tertilizer trelibs /1000 sq ft) Where soil is highly acidic, apply dolomitic

sq.ft.). For the period Hay 1 thru August 14, seed with 3 lbs per acreof weeping lovegrass (07 lbs /1000 sq ft) For the period November 16

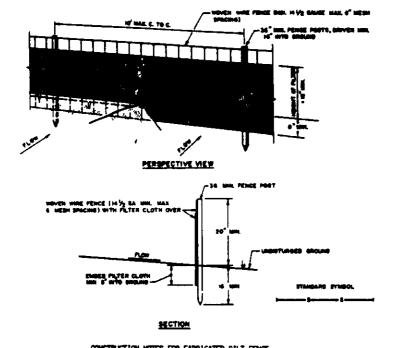
Mulching Apply 1½ to 2 tons per acre (70 to 90 lbs /1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch slopes, 8 ft or higher, use 348 gal per acre (8 gal /1000 sq ft.) for

acre Harrow or disc lime and 0-20-20 fertilizer into the soil to a and leveled with a York rake. At the time of seeding, apply 400 lbs of 30-0-0 ureaform fertilizer and 500 lbs of 10-20-20 or equivalent

For the periods Harch 1 thru April 30, and August 1 thru Seeding For the periods March 1 thru April 30, and August 1 thru October 15, seed with 40 lbs per acre (1 lb/1000 sq fr) of a mixture of certified 'Merion' Kentucky bluegrass, common Ketucky bluegrass @ 40 lbs per acre (1 lb /1000 sq ft) and Red Fescue, Pennlawn or Jamestown 31, seed with 40-40-20 mix as specified above and 2 lbs per acre (0 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 scre of

immediately after application using mulch anchoring tool or 218 gallons

Maintenance Inspect all seeded areas and make needed repairs,



E RE BARB STEEL MCHETS ON 2'12 STAKES 14/2 TO 2 IN SNOUND DRIVE STAKES FLUSH WITH BALES ANCHORING DETAIL CONSTRUCTION SPECIFICATIONS BALES BHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH BOS TENHILY ABUTTING THE ADJACENT BALES 2 EACH BALE BALL BE BREZDED IN THE SOIL A HINIMUM OF (4) INCHES AND PLACED SO THE SINDHARS ARE NOTICED FALL. 3 BALES BHALL BE RECORD OF PLACE OF SETTER THE STAGES ON RE-MAN INVENTIGATION OF THE SALE. IN EFFORT STAGE OF RECORD OF SALE, BE DEVINE TOWNED THE PREVIOUSLY LAID BALE AT AN ANGLE TO PORCE THE BALES TOMETHER. STAGES BHALL BE DRIVEN FLOW HITH THE BALE.

4 INSPECTION SHALL BE FREQUENT AND REPLICE REPLACEMENT SHALL BE MADE PROPERLY AS S BLES BALL IE MOND WAS THEY HAVE SUMED THEIR LIBERTUNESS SO AS NOT TO BLOCK OR INVESTE STORY FLOY OR DISASMOSE

STRAW BALE DIKE

NO SCALE

⊢--110 - --i

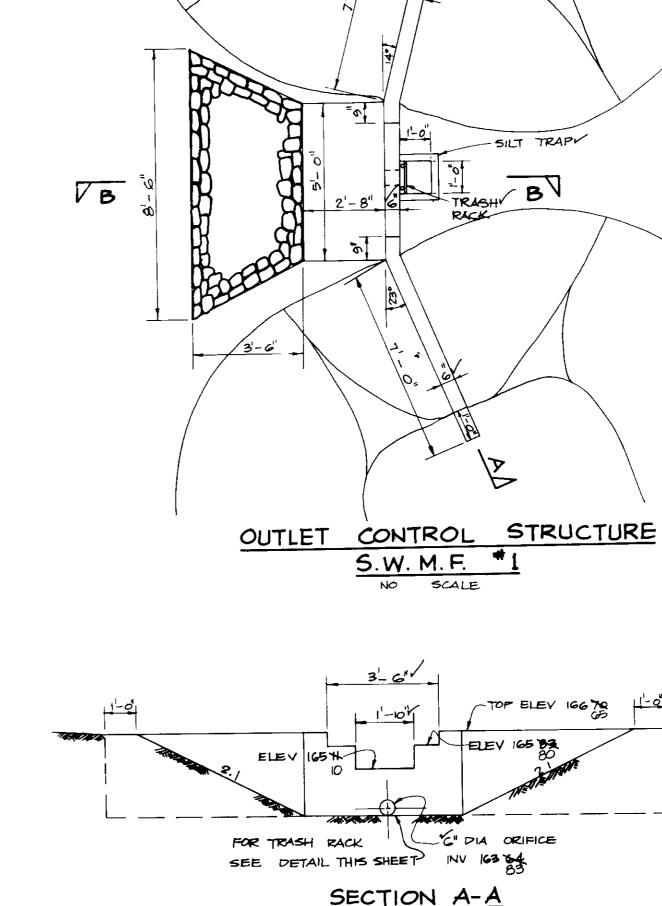
Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent. Longth - As required, but not less than 50 feet (except on a single resi-Filter Clath - Will be placed over the entire area prior to placing of atoms Pilber will not be required on a single family residence lot.

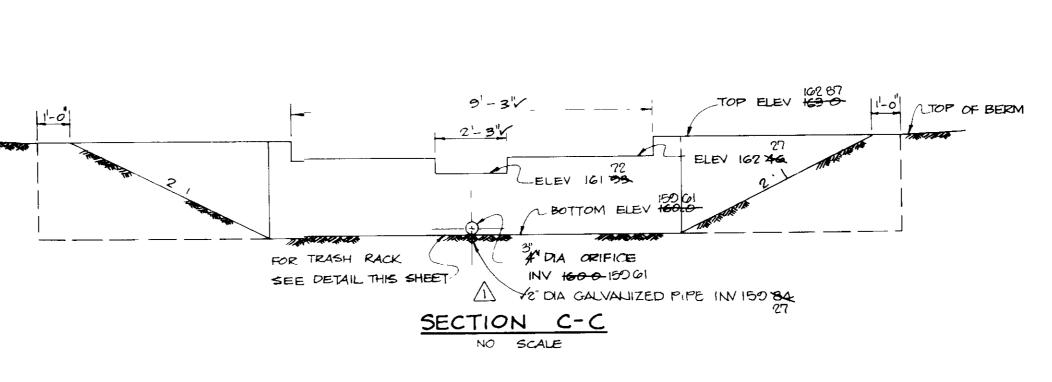
6. Surface Mater - All surface vater flowing or diverted toward construction Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional atoms as conditions demand 2" GALVANIZED PIPE and repair and/or cleanout of any measures used to trap sediment. All VTRAS RACK Mosting - Wheels shall be cleaned to remove sediment prior to entrance ente public rights-of-way. When weshing is required, it shall be done on an area STABILIZED CONSTRUCTION

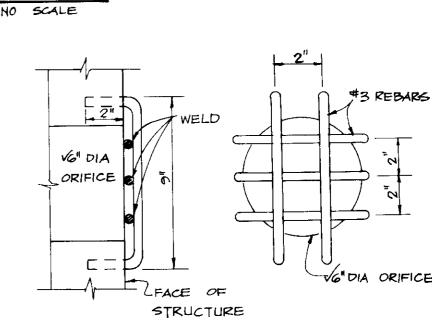
OUTLET CONTROL STRUCTURE

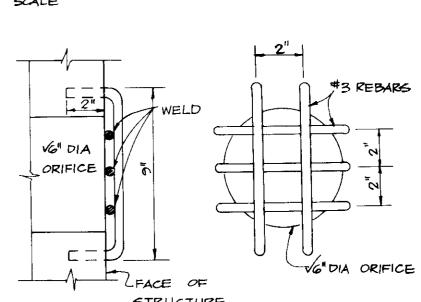
S.W.M.F #2

NO SCALE

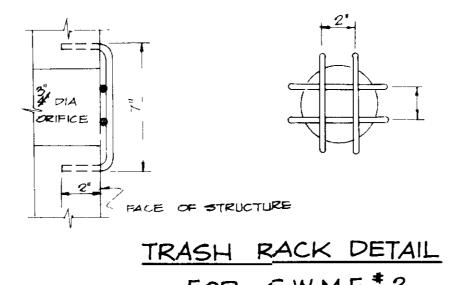




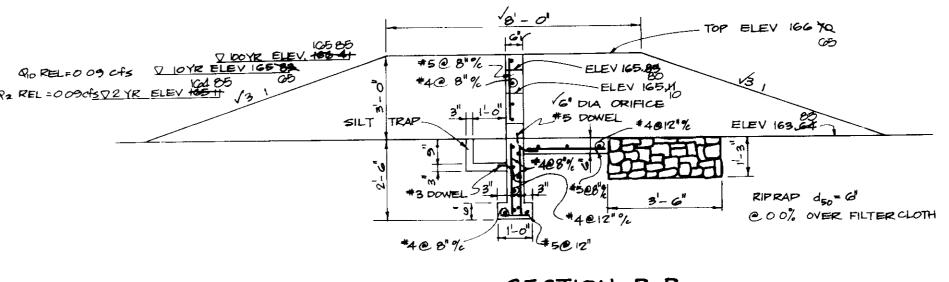




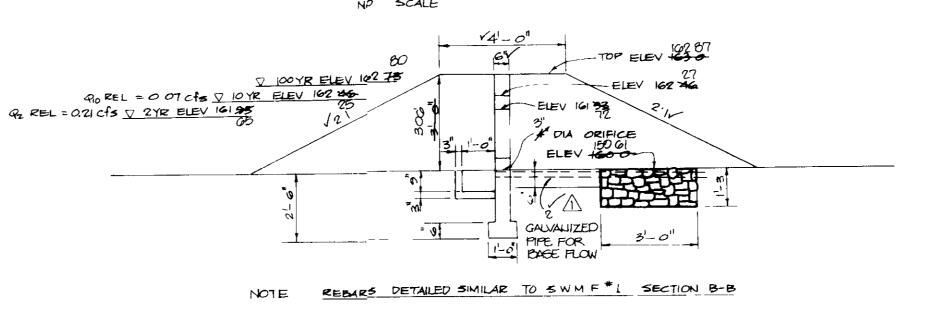
TRASH RACK DETAIL FOR SW.M.F*



Q2 REL = 0090 15 72 YR ELEV 1851 FOR 5.W.M.F * 2



SECTION B-B



SECTION D-D

NO SCALE

7-1-88

3105 North Ridge Road, Ellicott City, Maryland 21043 (301) 46 (269) WP-38 42 -88-19<u>1</u> DESIGNED BY DAM DRAWN BY DAM PROJECT NO 43400 DATE FEBRUARY 29, 988 SCALE AS SHOWN DRAWING NO 5 OF 6 ARTHUR E MUEGGE \$870

CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WI BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE

CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL

RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL O

SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT 1 M

AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL

'I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT (ON K

REPRESENTS A PRACTICAL AND WORKABLE PLAN BASEL ON V

PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WA

PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWAK

HIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AN

FOR PUBLIC WATER AND PUBLIC SEWERACE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM

i) ATF

DRAINAGE SYSTEMS AND PUBLIC ROLL

9-18-20 A REVISE COUTROL STRUCTURE DETAIL TO SHOW

REVISION

SMITH LAND & IMPROVEMENT CORPORATION

HOWARD COUNTY HEALTH DEPARTMEN

bashe J. In lange.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

(HIEF, BUREAU OF ENGINEERING

CAOS STATE ROAD

(רור) 3431

CAMP HILL, PA 17011

L.B. SMITH

(OFFICE AND SERVICE BUILDING)

IST ELECTION DISTRICT

SEDIMENT CONTROL NOTES AND DETAIL SHEET

THE RIEMER GROUP, INC

The Riemer Group Inc. A Land Planning, Design & Civil Eng. Bering r

HOWARD COUNTY, WARYLAND

PARCEL A

TITLE STORM WATER MANAGEMENT AND

CHIEF, DIVISION OF

LAND DEVELOPMENT

COMMUNITY PLANNING AND

DIRECTOR

DATE NO

PROJECT

OWNER / DEVELOPER

AREA TAX MAP 43

41991

AS-BUILT

BY THE DEVELOPER.

BY THE ENGINEER.

CONSERVATION DLSTRICT."

SOIL CONSERVATION DISTRICT."

AND MEERS TECHNICAL REQUIREMENTS

6DP-88-154

A5-BUILT 3.27.01

PARCELE 407E 87

10 Site grading will begin only after all perimeter sediment control Apply 600 lbs per acre 10-10-10 fertilizer (14 Seeding For periods March 1 thru April 30 and from Agust 15 thru November 15, seed with 140 lbs per acre of annual rye (3 2 lbs /1000 drain pipe or barrel connection to the riser shall be welded all thru February 28, protect site by applying 2 tons per acre of well around when the pipe and riser are metal Watertight coupling anchored straw mulch and seed as soon as possible in the spring, or use bands shall be used at all joints Antiseep collars shall be con- sod The pipe shall be firmly and uniformly bedded throughout its entire immediately after application using mulch anchoring tool or 218 gal per length Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with slones. B fr or higher, use 348 gal per scre (8 gal /1000 sq ft.) for to graded or cleared areas not subject to immediate further a one-quarter inch aleve Limestone sand shall not be used Course Aggregate - The course aggregate shall be clean, hard, Renforcing Steel - The reinforcing steel shall be be deformed bars of intermediate grade billet steel or rail steel conforming The concrete shall be mixed in the following proportions, measured by weight. The water-cement ration shall be 5-1 to 6 U.S. gallons of water per 94 pound bag of cement. The proportion of materials for the trial mix shall be 1 2:3-3 The combination of aggregates may be adjusted to produce a plastic and workable mix that will @ 20 lbs per acre (0 5 lb /1000 sq ft) for the period May 1 thru July The concrete ingredients shall be mixed in batch mixers until the well-anchored straw mulch and seed as soon as possible in the spring mixture is homeogenous and of mixed in batch mixers until the well-anchored straw mulch and seed as soon as possible in the spring mixture is homogeneous and of uniform consistency. The mixing (Option 2) Use sod (Option 3) Seed with 40-40-20 mix specified above of each batch shall continue for not less than one and one-half minutes after all the ingredients except the full amount of water, and mulch with 2 tons/acre well-anchored straw are in the mixer. The minimum mixing time is predicted on proper control of the speed of rotation of the mixer and of the introduction of the material, including water, into the mixer and of the introduction added prior to during, and following the mixer water shall be added prior to during, and following the mixer-charging operations Excessive overmixing requiring the additions of water to perserve per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas On the required concrete consistency shall not be seen to perserve per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. the required concrete consistency shall not be permitted. Truck mixing will be allowed provided that the required of the slopes 8 feet or higher, use 348 gallons per acre (8 gal /1000 sq ft.) mixing will be allowed provided that the use of this method shall cause no violation of any applicable provisions of the specifications replacements and reseedings The forms shall have sufficient strength and rigidity to hold the concrete and to with stand the necessary pressure tamping and vibration without deflection from the prescribed lines. They shall be mortar-tight and constructed so that they can be removed without hammering or prying against the concrete The inside of forms shall be oiled with a non-straining mineral oil or thoroughly wetted before concrete is placed forms may be removed 24 hours after the placement of concrete All wire ties and other devices used shall be recessed from the surface of the concrete All reinforcing material shall be free of dirt, rust, scale, oil, paint or other coatings. The steel shall be accurately placed and securely tied and blocked into position so that no movement of the steel will occur during placement of concrete Concrete shall be consolidated with internal type mechanical vibra-tors. Vibration shall be suplemented by spading and hand tamping as necessary to insure smooth and dense concrete along form surfaces in corners, and around embedded items Finishing Defective concrete, honeycombed areas, voids left by the removal of the rods, ridges on all concrete surfaces permanently exposed to view or exposed to water on the finished structure, shall be repaired immediately after the removal of forms. All voids shall be reamed and completely filled with dry-perching mortar CONSTRUCTION NOTES FOR FARRICATED SILT FEWE Protection and Curing: Exposed surfaces of concrete shall be protected from the direct rays of the sun for at least the first three (3) days. All concrete MOVEN WIRE PRICE TO BE FASTENED SECURELY TO PRICE POSTS WITH WIRE TIES OR STAPLES POSTS STEEL SITHER T OR U shall be kept continuously moist for at least ten (10) days after And I be kept continuously moist for at least ten (10) days after being placed. Moisture may be applied by spraying or sprinkling as necessary to prevent the congrete from drying. Concrete shall not be exposed to freezing during the curing period. Curing compounds may also by used. FILTER CLOTH TO BE FASTEND SECURELY TO HOVEN YINE PRICE WITH TIES SPACED EVERY 24" AT TOP AND HID SECTION FENCE HOVEN WIRE, 145 GA FILTER CLOTH FILTER X.
HIRAFI LITER X.
LINEA THAN OR APPROVED Placing Temperature Concrete may not be placed at temperatures below 37° F with the PREFABRICATED UNIT GEOFAB, DIVINOFENCE, OR APPROVED temperature failing or 34" with the temperature rising SI BILIZATION All borrow areas shell be graded to provide proper drainage and iert in a sightl sondition. All exposed surfaces of the embankment, spillway, spoil and berrow areas, and berms shall be stabilized by seeding, fe ulixing and mulching (if required) in accordance with the vegetative treatment specifications shown on or accompanying

