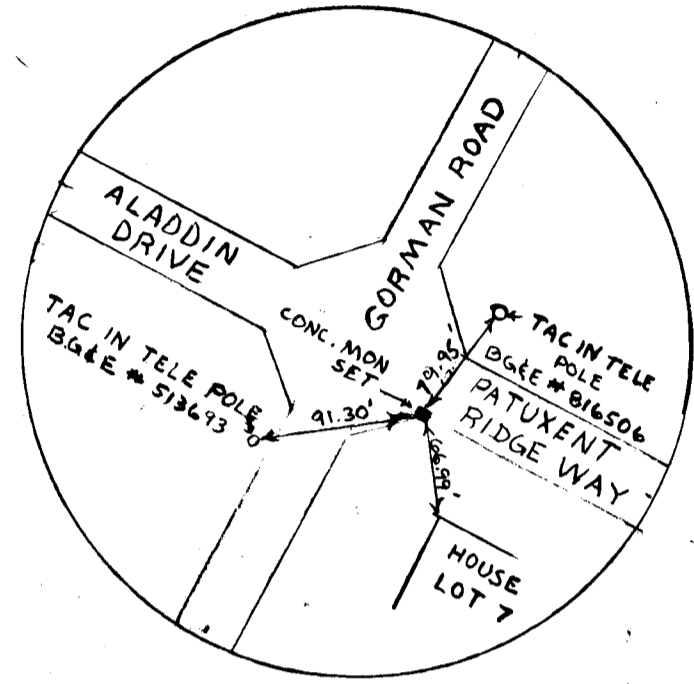


- GENERAL NOTES:**
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATION AND DETAILS FOR CONSTRUCTION.
 2. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
 3. ANY DAMAGE TO PUBLIC RIGHTS OF WAY OR PAVING WILL BE COLLECTED AT THE DEVELOPER'S EXPENSE.
 4. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT LEAST THREE (3) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TELEPHONE 332-7455.
 5. CONTRACTOR TO NOTIFY THE HOWARD COUNTY BUREAU OF INSPECTIONS AND SURVEYS BEFORE STARTING WORK ON GORMAN ROAD DUE TO POSSIBLE RELOCATION OF HO. CO. MON 2140001-2 TELEPHONE 332-7272.



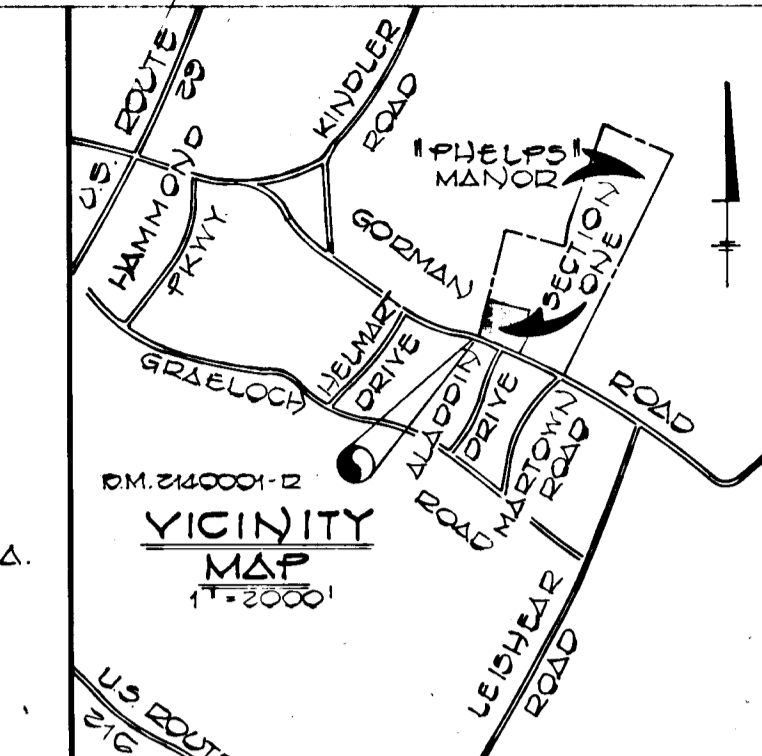
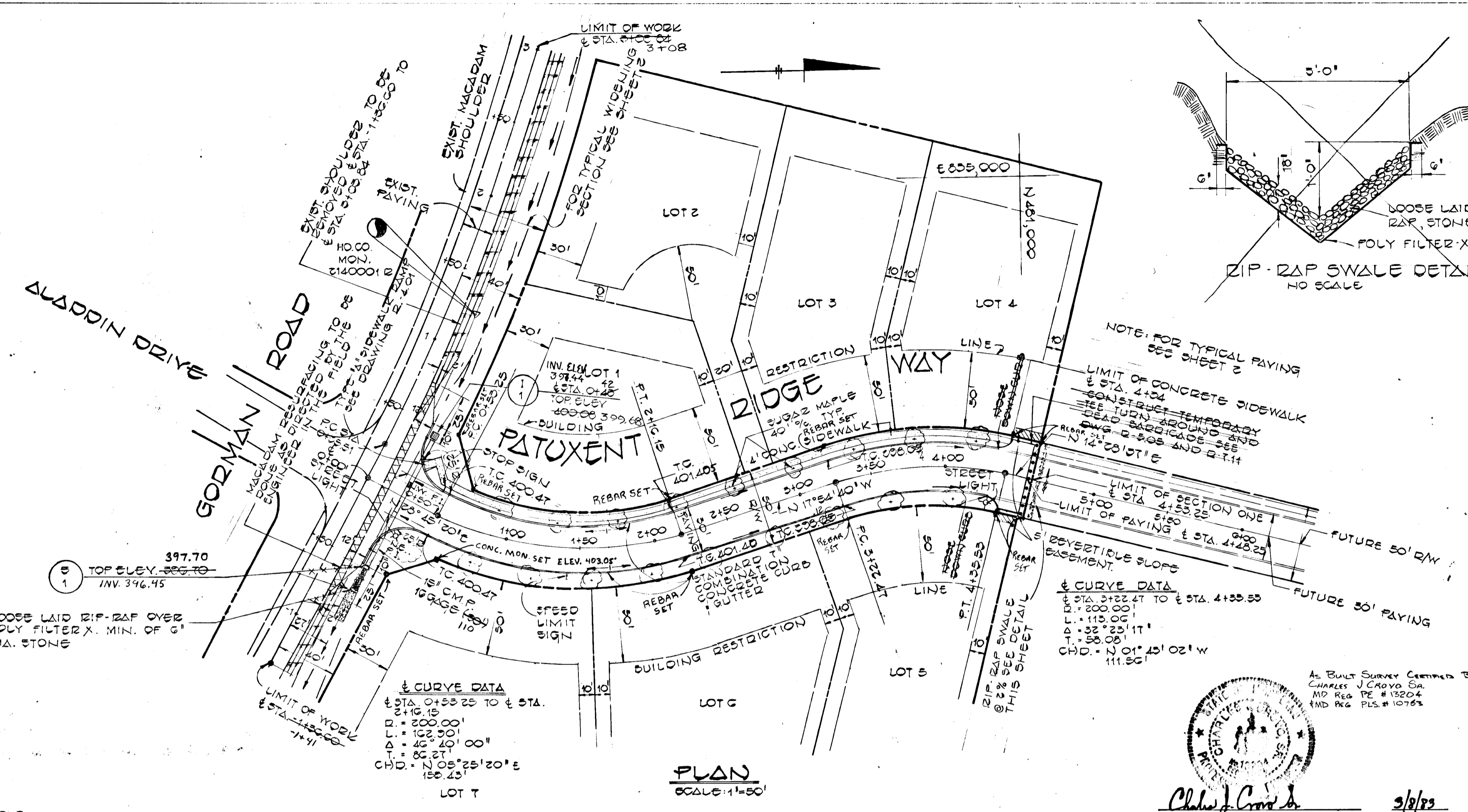
HORIZONTAL CONTRL POINTS:
 # 2140001-A N 480,645.891
 E 835,083.277
 # 2140002-A N 480,817.393
 E 834,370.438

BENCH MARKS:
 HO CO 2140001-2 ELEV. 402.515
 CONCRETE MONUMENT 11" NORTH OF
 EDGE OF ROAD 00' BELOW THE SURFACE

APPROVED
 DEPARTMENT OF PUBLIC WORKS
William S. Rahn 3-28-83
 CHIEF ENGINEER DATE

APPROVED
 OFFICE OF PLANNING AND ZONING
William S. Rahn 3-28-83
 CHIEF PLANNING ADMINISTRATOR DATE

STREET LIGHT
 STREET LIGHTING: 250 WATT MERCURY
 VAPOR PENDANT MOUNTED FIXTURES
 INSTALLED ON 25' GALVANIZED STEEL POLE



PHELPS MANOR SECTION ONE
 SIXTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

PATUXENT RIDGE WAY
 PLAN AND PROFILE

OWNER:
 JANET W. PHELPS
 10504 GORMAN ROAD
 LAUREL, MARYLAND 20707

DEVELOPER:
 NEWBURN DEVELOPMENT CORPORATION
 SUITE 314 TEACHERS BUILDING
 COLUMBIA, MARYLAND 21044

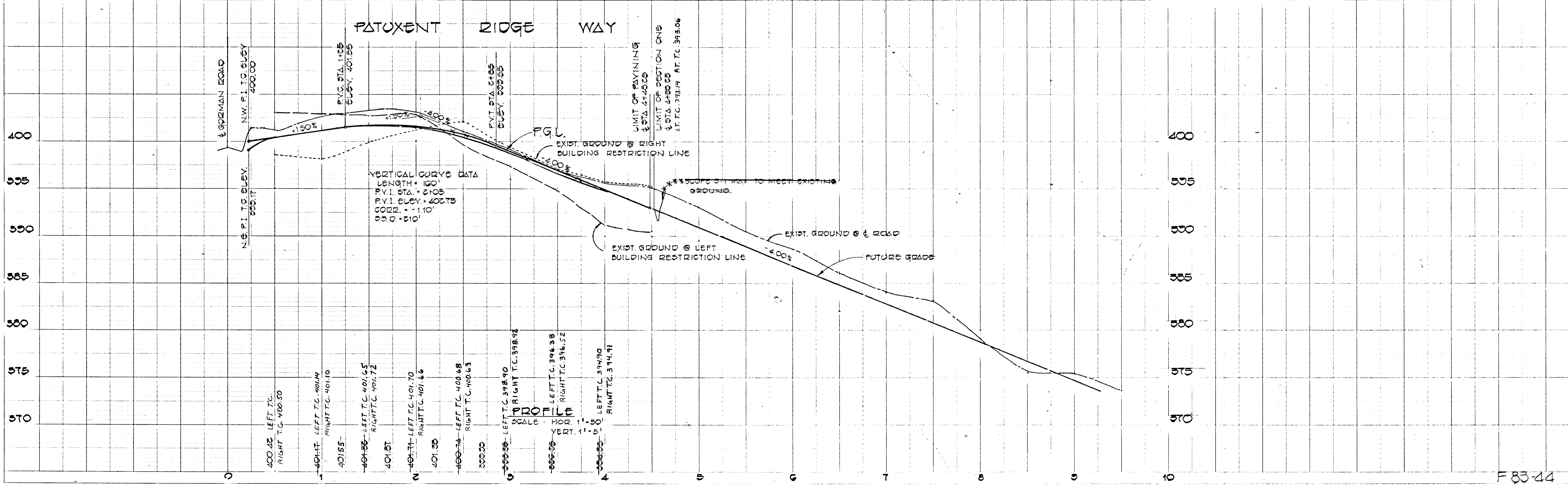
SCALE: AS SHOWN DATE: OCT. 22, 1982

DES: C. CROVO
 DES: K. FRALIC
 DES: R.B. CARTER

FISH R, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE.
 ELLICOTT CITY, MARYLAND 21033

As Built Survey Certified by
 Charles J. Crovo Sr.
 MD Reg. PE # 13204
 END REG. PLS. # 10765

Charles J. Crovo Sr.
 CHARLES J. CROVO SR.
 9/1/83
 DATE



917

F 83-44

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.

Charles J. Crovo
 SIGNATURE OF ENGINEER DATE 3/18/83

DEVELOPER'S CERTIFICATE
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT 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."

Newburn Development Corp.
 James W. Newburn, Pres.
 SIGNATURE OF DEVELOPER DATE 3-16-83

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 Y. Haroon
 U.S. SOIL CONSERVATION SERVICE DATE 3/22/83

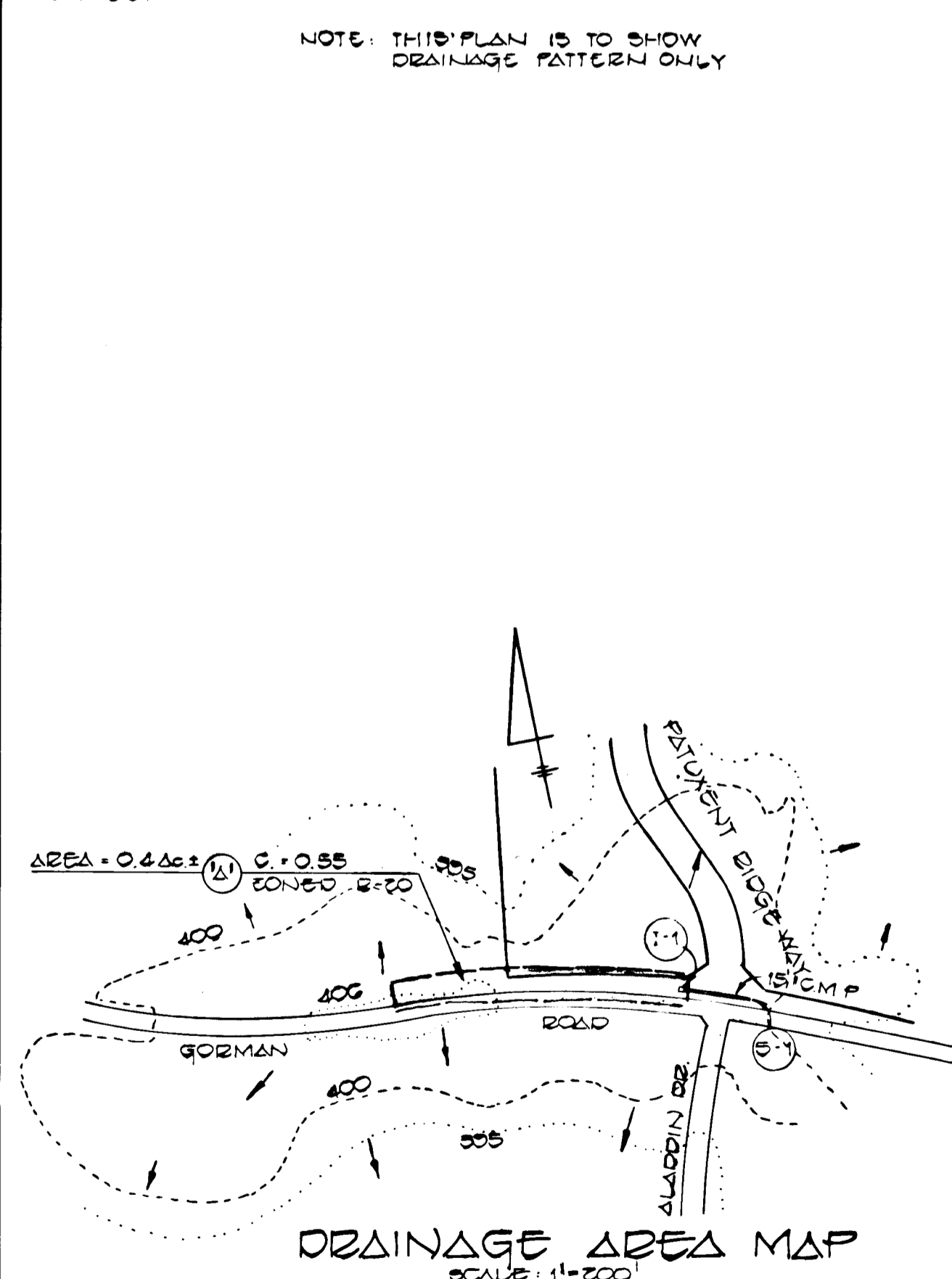
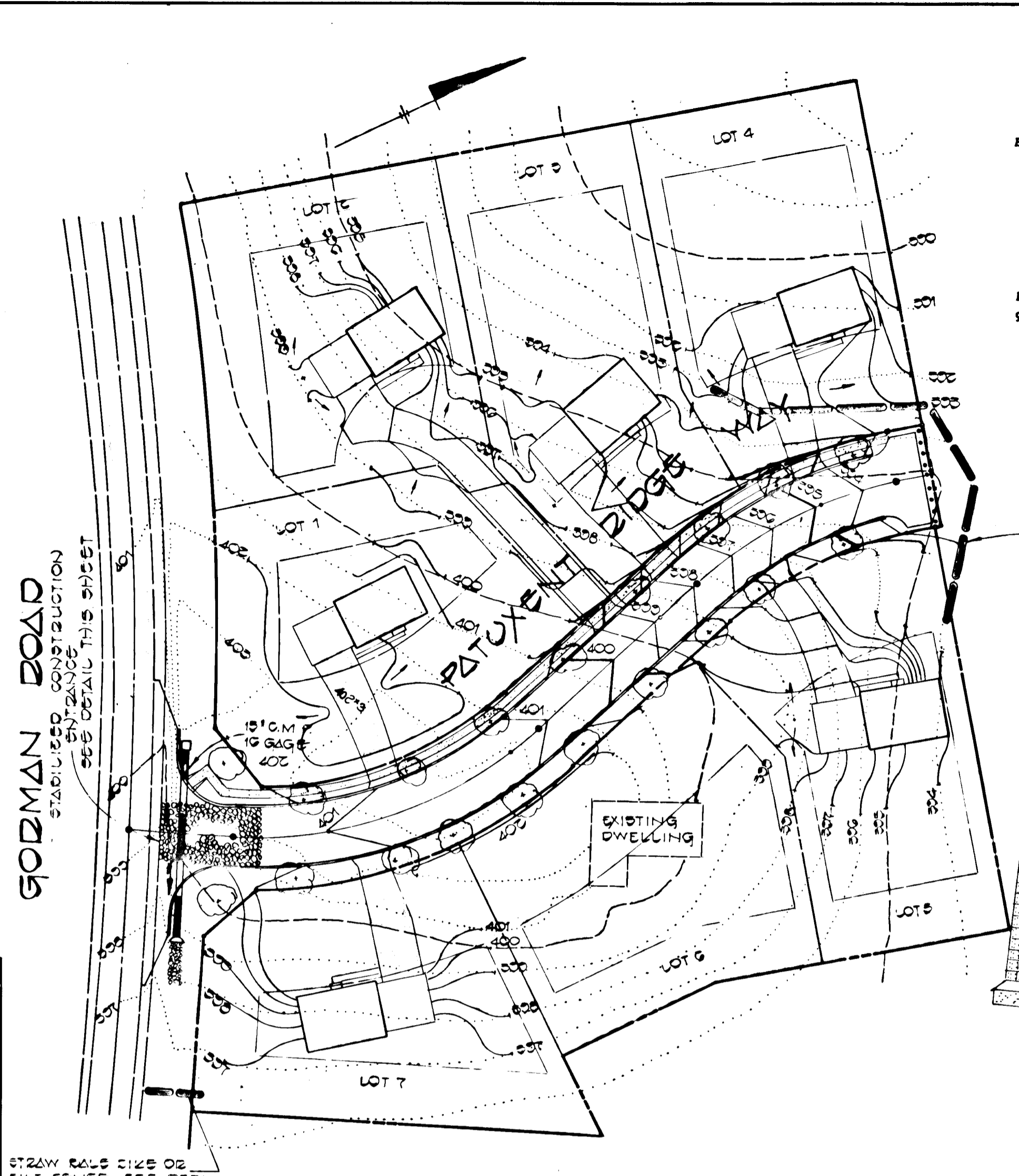
APPROVED:
 Dan S. Brown
 DISTRICT HOWARD SOIL CONSERVATION DISTRICT DATE 3-22-83

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
 W. Carlin & Sons
 CHIEF, BUREAU OF ENGINEERING DATE 3-28-83

APPROVED: OFFICE OF PLANNING AND ZONING
 William M. Anderson
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE 3-22-83

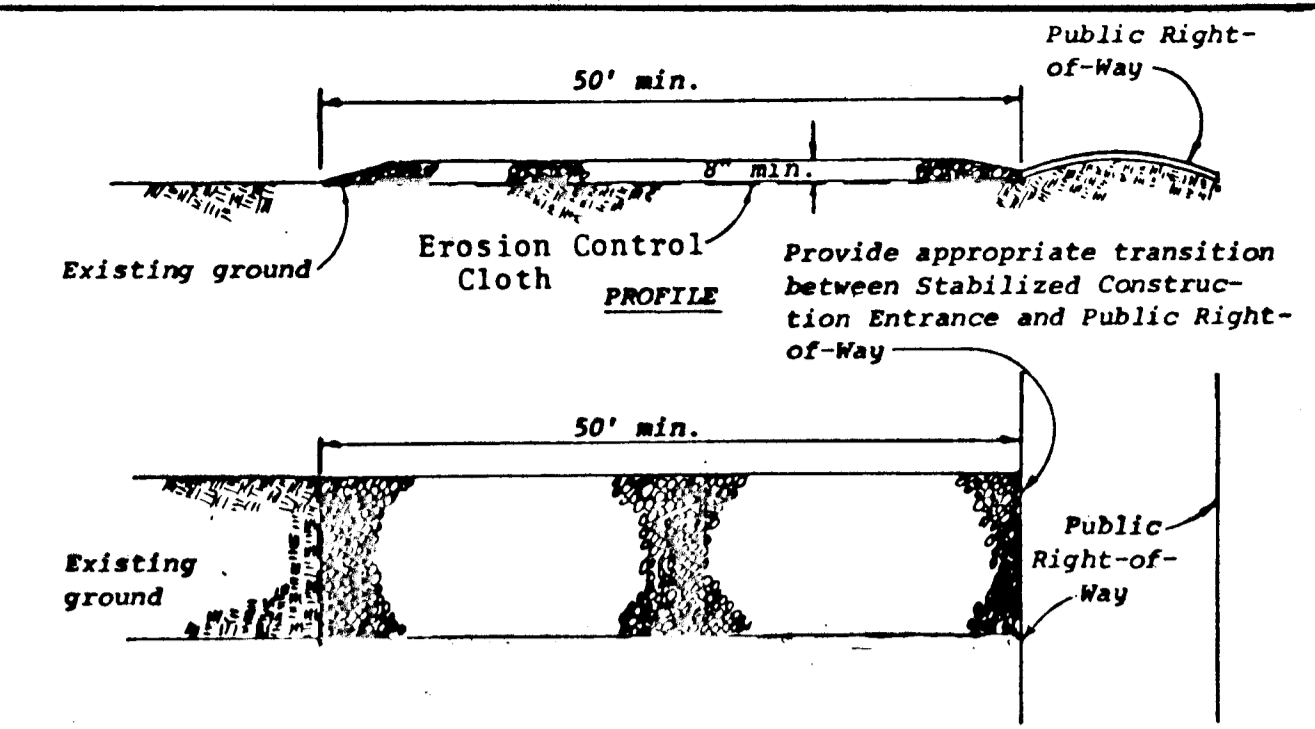
- SEDIMENT CONTROL NOTES**
- Specifications for the Sediment Control Details shown hereon are included in the U.S.D.A. Soil Conservation Service "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas."
 - The developer shall notify the Howard County Office of Inspection and Permits at least 24 hours prior to beginning any construction shown hereon (992-2433).
 - Sediment control structures to be constructed prior to any on-site grading or disturbance to any existing surface material, and are to be stabilized as soon as constructed.
 - All sediment control structures to remain in place until permission for their removal has been obtained from the Howard County Office of Inspection and Permits. (992-2433).
 - All graded areas not to be sodded shall be stabilized by seeding and mulching in accordance with the following:
 - Site Preparation
 - Harrow or disc in areas proposed to be seeded the following materials:
 - Pulverized limestone at 2 tons/acre.
 - Commercial fertilizer 10-10-10 at 3/4 tons/acre.
 - Super phosphate at 600 lbs./acre.
 - Seeding
 - Sow the following seed mixture at the rate of 200 lbs./acre with a mechanical spreader.
 - Temporary: Italian or Perennial Rye Grass
 - Permanent: 40% Marion Blue Grass, 40% South Dakota Blue Grass and 20% Penn Lawn Creeping Fescue.
 - The seeded area shall then be raked with a York Rake (a minimum of 2 passes) covered and compacted with Cultipacker or other approved method.
 - Mulching
 - Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 - 2 tons/acre.
 - Tie mulch down with liquid asphalt at 0.1 gal./s.y. or emulsified asphalt at 0.04 gal./s.y. or mulch netting.

- CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT.
 - CONSTRUCT STONE CONSTRUCTION ENTRANCE AT GORMAN ROAD AND PATUXENT RIDGE WAY.
 - INSTALL STRAW BALE DIKES OR SILT FENCE ALONG WEST R/W LINE AND AT TEE TURNAROUND.
 - GRADE PATUXENT RIDGE WAY TO SUBGRADE. STABILIZE SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB, AND CUT AND FILL SLOPE AREAS WITH PERMANENT SEEDING.
 - CONSTRUCT STORM DRAIN SYSTEM FROM I-1 TO S-1.
 - CONSTRUCT DITCH ALONG GORMAN ROAD AND STABILIZE WITH PERMANENT SEEDING. THE CONTRACTOR SHALL PLACE STRAW BALE DIKES DOWNSTREAM FROM THE DITCH CONSTRUCTION AT THE END OF EACH WORKING DAY.
 - LAY BASE COURSE.
 - DURING CONSTRUCTION AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE OF THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON.
 - CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE, LAY SURFACE COURSE, CONSTRUCT CONCRETE CURBS AND SIDEWALK, AND STABILIZE SHOULDERS WITH PERMANENT SEEDING.
 - REMOVE STRAW BALE DIKES AND SILT FENCE.
 - ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.

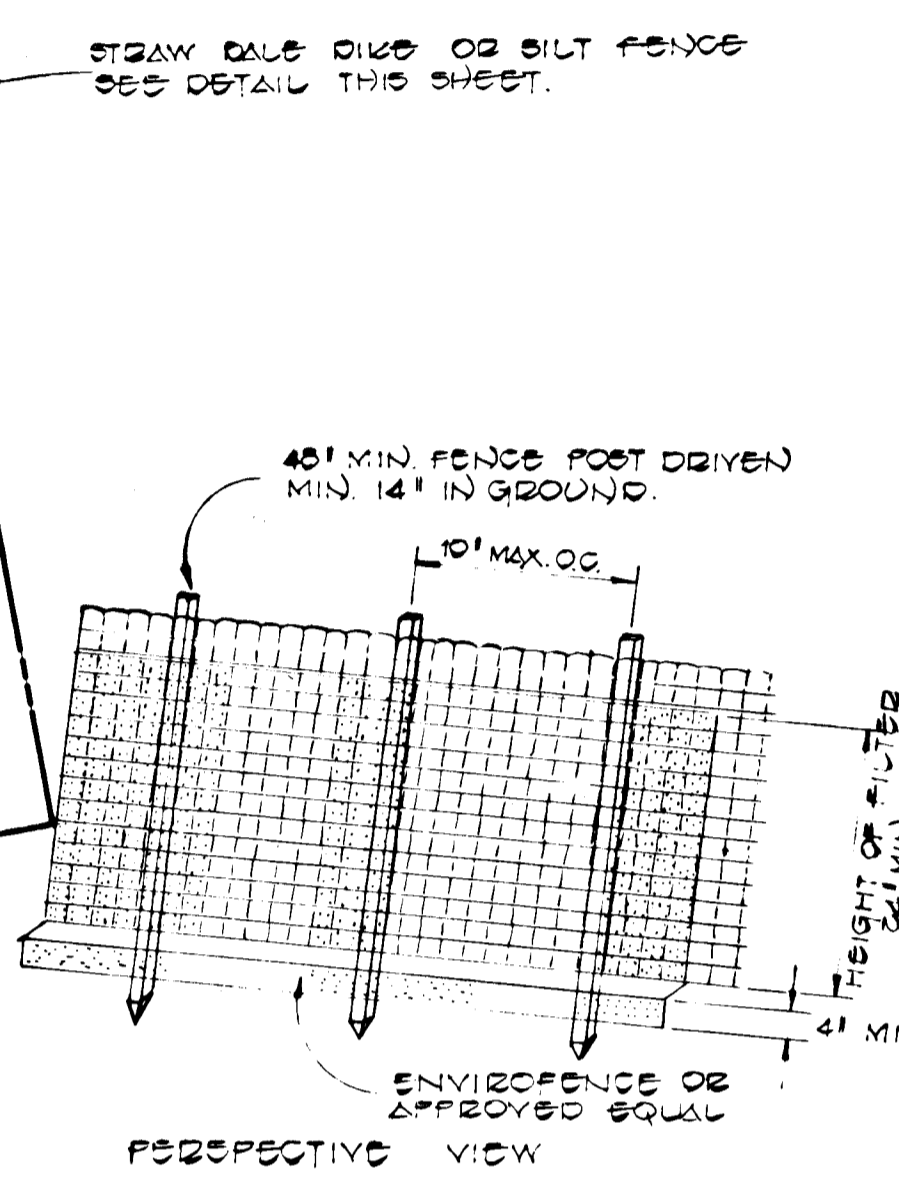


SITE ANALYSIS

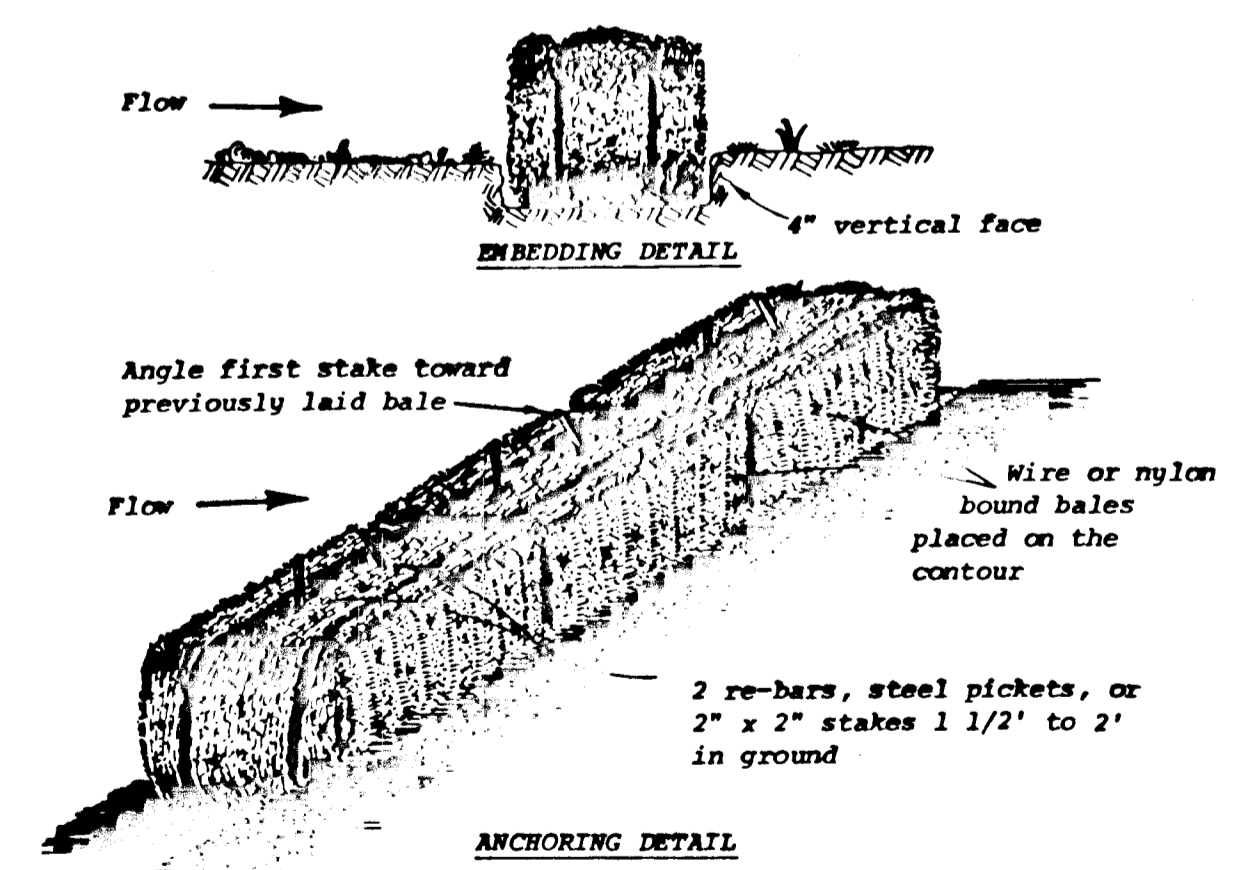
1) TOTAL AREA OF SECTION ONE.	4.20 AC.±
2) AREA TO BE DISTURBED.	0.6 AC.±
3) IMPERVIOUS AREA.	0.35 AC.±
4) AREA TO BE VEGETATED.	0.25 AC.±



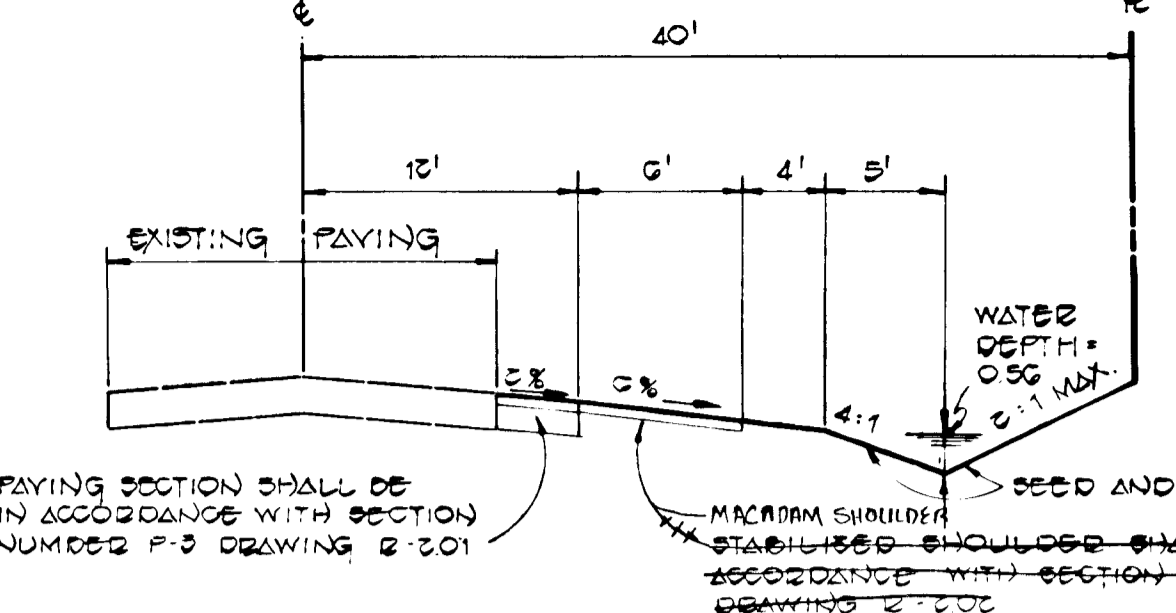
STABILIZED CONSTRUCTION ENTRANCE
 NOT TO SCALE



SILT FENCE DETAIL



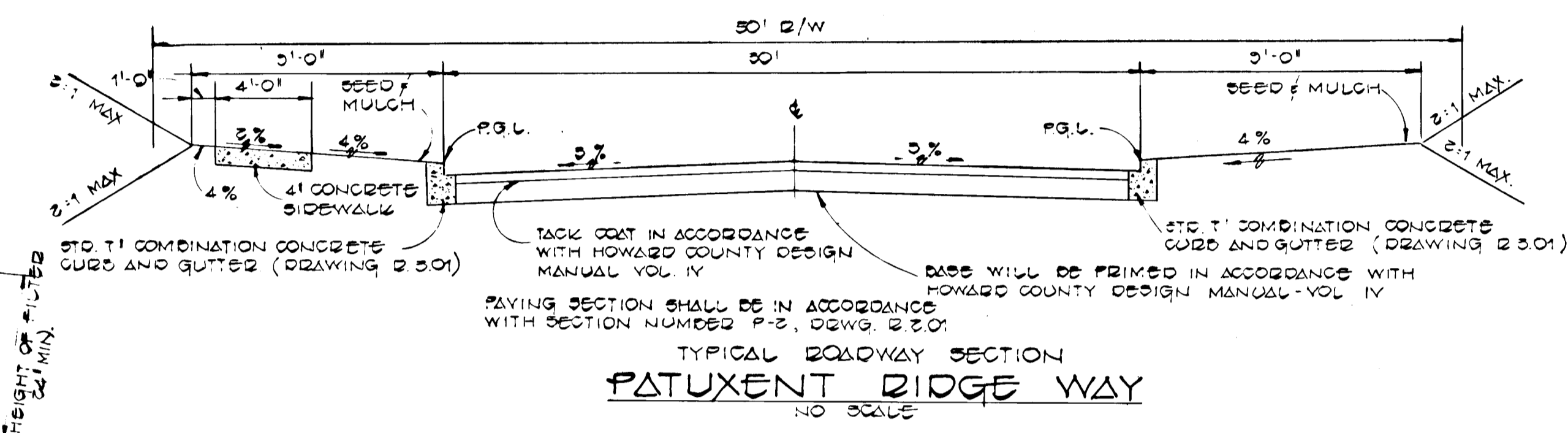
STRAW BALE DIKE
 NO SCALE



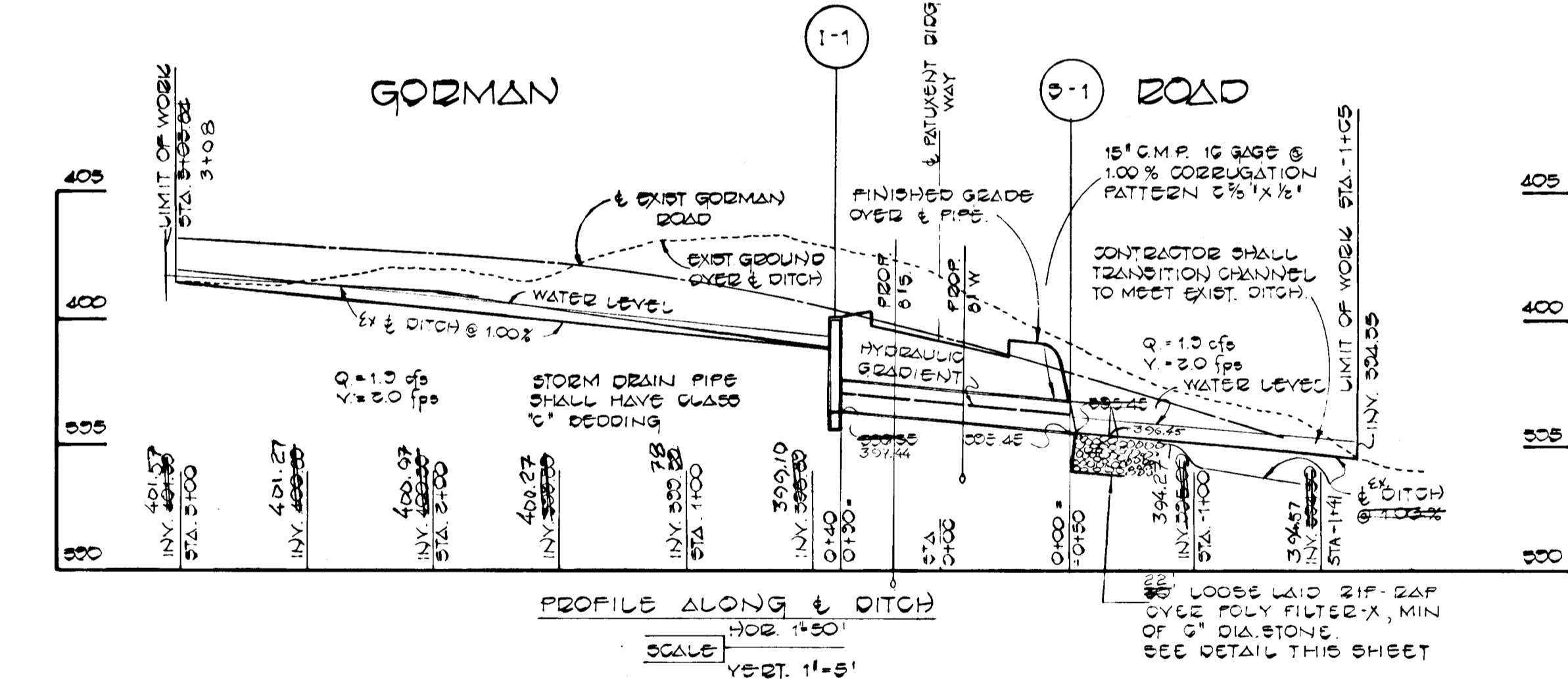
TYPICAL WIDENING SECTION ALONG GORMAN ROAD
 NO SCALE

CHANNEL DESIGN DATA

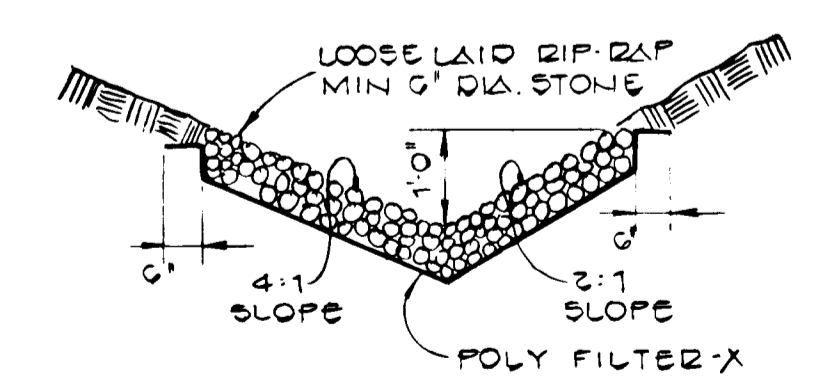
Δ: 0.54'
P: 0.55'
Q: 0.0540
S: 0.1%
W: 0.415
N: 0.1000
V: 1.485
Q: Δ X V: 0.54 X 0.04 = 10 cfs
WATER DEPTH: 0.55'



TYPICAL ROADWAY SECTION PATUXENT RIDGE WAY
 NO SCALE



PROFILE ALONG DITCH
 SCALE: HORZ. 1"=50' VERT. 1"=5'



RIP-RAP CHANNEL
 NO SCALE

Charles J. Crovo
 3/18/83

PHELPS MANOR SECTION ONE
 SIXTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

PATUXENT RIDGE WAY
 SEDIMENT CONTROL PLAN AND DETAILS

OWNER JANET W. PHELPS 10504 GORMAN ROAD LAUREL, MARYLAND 20707	DEVELOPER NEWBURN DEVELOPMENT CORPORATION SUITE 314 TEACHERS BUILDING COLUMBIA, MARYLAND 21044	
SCALE: AS SHOWN	DATE: OCT 22, 1982	DWG. NO. 2 OF 2
DES. C. CROVO	DRN. K. FRALIC	CHK. R.B. CARTER

STRUCTURE SCHEDULE

NO.	TYPE	IN	OUT	JOB	REMARKS
1-1	12" INLET	0380	0385	400	DWG. 0-D-210
0-1	STO. RETAIN. END	0384	0390	10	DWG. 0-D-0-G1

• INLET 1-1 SHALL HAVE OPENING ON WEST SIDE ONLY.