

PLAN
SCALE: 1"=50'

SEQUENCE OF CONSTRUCTION

1. Obtain a grading permit. (1 day)
2. Install all sediment control devices for Berger Road improvements as per SDP-05-115. (1 day)
3. Rough grade road, maintaining all sediment control devices. (1 week)
4. Stabilize all disturbed areas in accordance with the temporary seeding notes. (1 day)
5. Install all curb and gutter and begin paving. (3 days)
6. Complete paving and repair all disturbed paving. (3 days)
7. Upon approval of the Howard County Department of Public Works Sediment Control Inspector, remove all sediment control devices and stabilize all disturbed area in accordance with the permanent seeding notes. (1 day)

BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY 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."

Signature: *Richard P. ...* DATE: 5-19-88

DEVELOPER: *Richard P. ...* DATE: 5-19-88

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS THE 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: *Arthur E. ...* DATE: 5-17-88

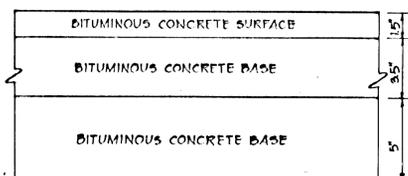
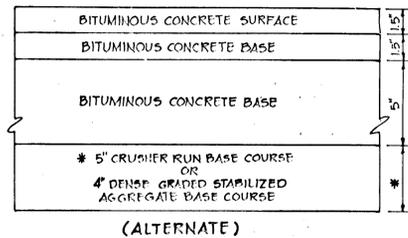
ENGINEER: *Arthur E. ...* DATE: 5-17-88

REVIEW FOR: HOWARD S.C.D.
NAME: HOWARD
AND MEETS TECHNICAL REQUIREMENTS

Signature: *James McNeil* DATE: 5-19-88
U.S. SOIL CONSERVATION SERVICE

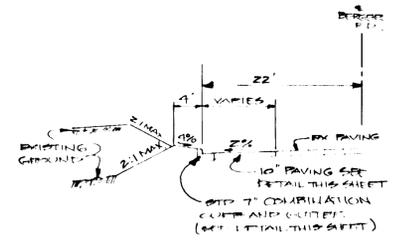
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Stephen P. ...* DATE: 5-18-88
HOWARD S.C.D.



HOWARD COUNTY DESIGN MANUAL VOLUME IV - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-2.01)

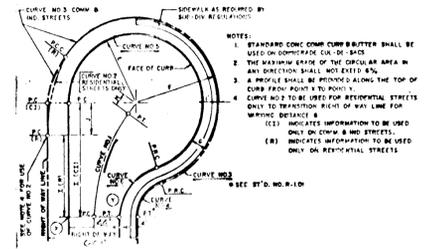
(10" PAVING, P-4)



BERGER ROAD ROAD WIDENING
SCALE: 1"=20'

GENERAL NOTES

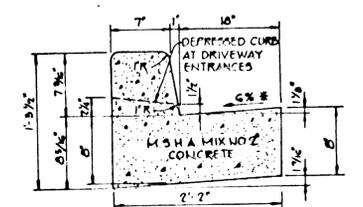
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL VERIFY ALL 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 LOCATION OF UTILITIES IS OTHER THAN SHOWN.
4. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK ON THESE DRAWINGS:
 - MISS UTILITY 1-800-257-7777
 - CAP TELEPHONE COMPANY 725-9976
 - AT&T CABLE LOCATION DIVISION 393-3553
 - BALTIMORE GAS AND ELECTRIC COMPANY 685-0123
 - STATE HIGHWAY ADMINISTRATION 531-5533
 - HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK) 752-7272
5. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOL. IV, I.E., STANDARD SPECIFICATIONS AND DETAILS.
6. STORM DRAIN BACKFILL WITHIN ROADWAYS, UNDER STRUCTURES AND FOR STORM DRAIN TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM 1557.



LP = 377.66' E=47' F=VARIES G=VARIES H=9.42' I=78.30'

| STATION | ELEVATION | CHORD BEARING | CHORD DISTANCE |
|---------|-----------|---------------|----------------|
| 1+00.00 | 377.66 | 60° 01' 30" | 242.08 14" |
| 1+25.00 | 377.66 | 21° 00' | 47.00 |
| 1+50.00 | 377.66 | 28° 00' | 201.50 |
| 1+75.00 | 377.66 | 40° 30' | 40.27 |

CUL-DE-SAC DETAIL
SCALE: 1"=20'



HOWARD COUNTY DESIGN MANUAL VOLUME IV - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-2.01)

STANDARD 7" COMBINATION CURB AND GUTTER
SCALE: 1"=20'

GENERAL NOTES

7. NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.
8. ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL G2.01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
9. ALL STREET CURB RETURNS SHALL HAVE 35.0' RADIUS UNLESS OTHERWISE NOTED.
10. ALL ELEVATIONS SHOWN ARE BASED ON U.S.C.S. MEAN SEA LEVEL DATUM, 1929.
11. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
12. TOPO TAKEN FROM FIELD RUN SURVEY DATED 1988.
13. SUBJECT PROPERTY ZONED PER 8.2.85 COMPREHENSIVE ZONING PLAN.
14. INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING, AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1978 EDITION.
15. DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARDS:

ALL 60' RIGHT-OF-WAYS 30 M.P.H.

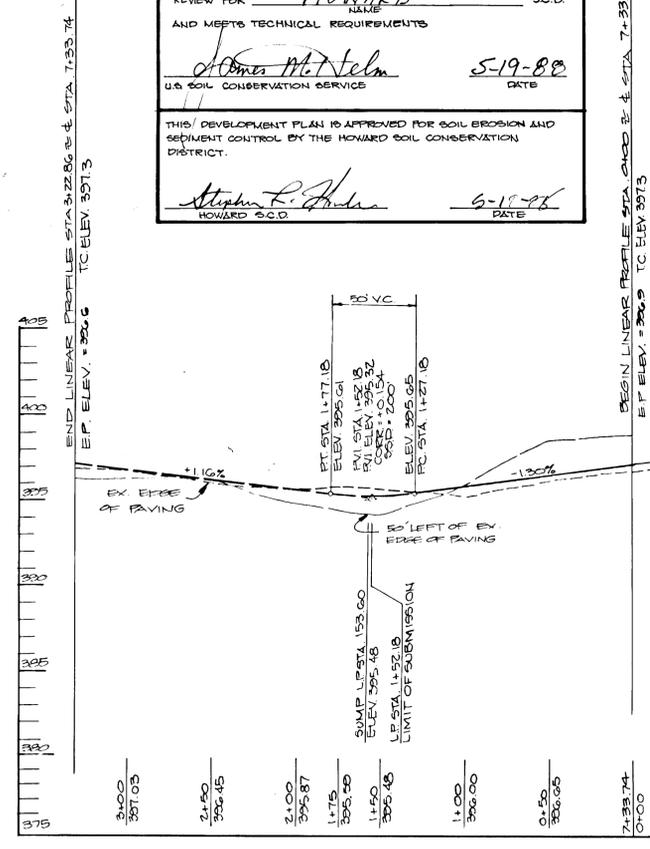
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Approved: *Howard S.C.D.* Date: 5/19/88
Howard S.C.D.

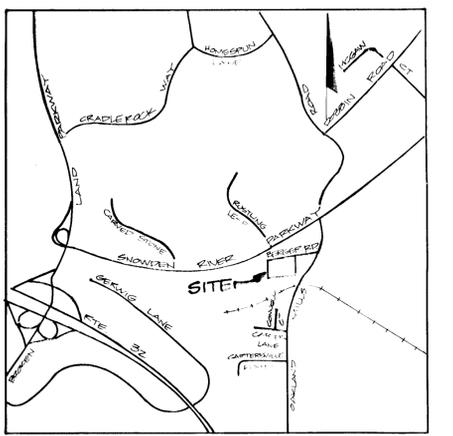
Reviewed For: HOWARD S.C.D.
Name: HOWARD
And Meets Technical Requirements
Signature: *James McNeil* Date: 5/19/88
U.S. Soil Conservation Service

APPROVED PLAN REVISION

| | |
|------------------|------|
| SCD | |
| SCS | |
| Technical Review | Date |



PROFILE
SCALE: HORIZ. 1"=50' VERT. 1"=5'



VICINITY MAP
SCALE: 1"=200'

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Signature: *James ...* Date: 6/22/88
HOWARD COUNTY OFFICE OF PLANNING AND ZONING

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Signature: *Paul ...* Date: 5/31/88
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Signature: *James ...* Date: 6/1/88
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Signature: *James ...* Date: 6/1/88
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

| DATE | NO. | REVISION |
|------|-----|----------|
| | | |

OWNER/DEVELOPER: CASC LTD PARTNERSHIP
6000 BELT ROAD, SUITE 101
JESSUP, MARYLAND, 20794

PROJECT: **CONNELL PROPERTY**
(AN AUTO SERVICE CENTER)

AREA: TAX MAP 42 ZONED M-1 PLAT NO. 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: **PLAN, PROFILE & DETAILS BERGER ROAD IMPROVEMENTS**

THE RIEMER GROUP, INC.
The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
3105 North Ridge Road, Ellicott City, Maryland 21043 (301) 461-2680

DESIGNED BY: WCV
DRAWN BY: JLB
PROJECT NO: 11033
DATE: FEB 18, 1988
SCALE: AS SHOWN
DRAWING NO: 1 OF 1

F-83-134