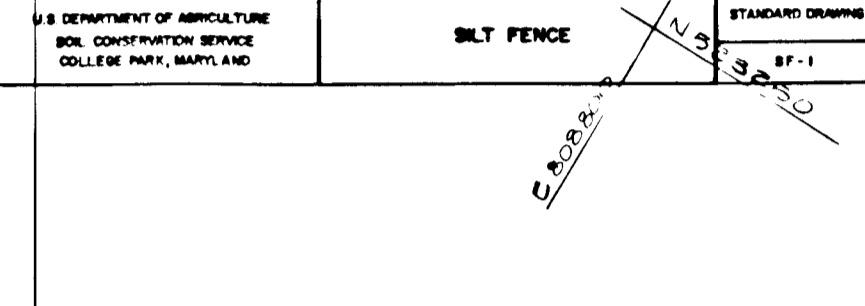
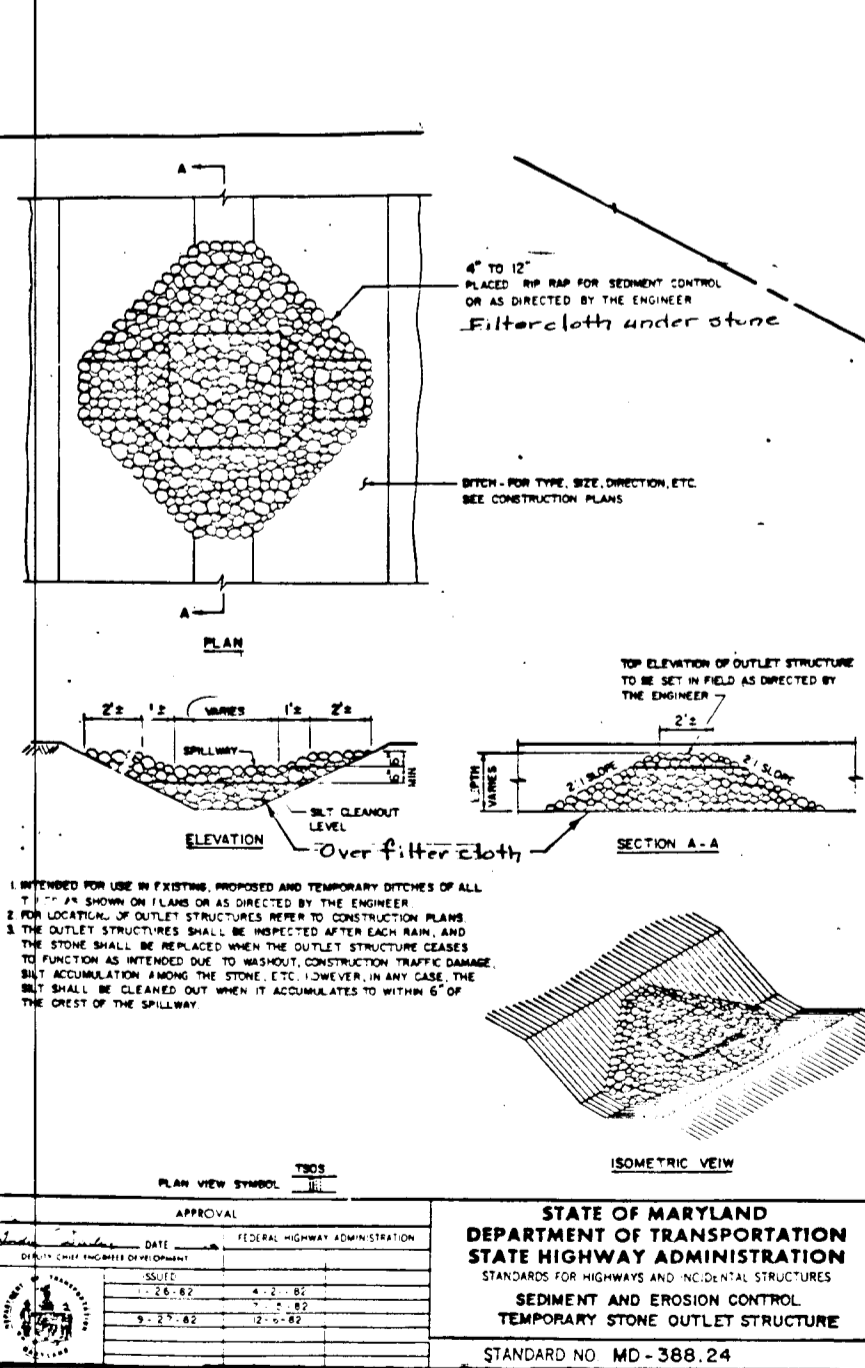


- CONSTRUCTION NOTES FOR EXPOSED SILT FENCE**
1. When fence is to be fastened securely to fence posts with wire ties or staples.
 2. Filter cloth to be fastened securely to every 2' at top and mid section.
 3. When the sections of filter cloth align each other the cloth is overlapped by six inches and folded.
 4. Maintenance shall be performed as needed to maintain proper operation of the silt fence.



- SEDIMENT CONTROL NOTES**
1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection 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 accordance with the 1993 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, ditches, 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/ditches shall be fenced and warning signs posted around their perimeter in accordance with VOL. 1, CHAPTER 32, 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 1993 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and temporary seedings (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.
 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: Roads Only
Total Area of Site: 27,007 sq. ft.
Area to be paved: 1,507 sq. ft.
Area to be vegetatively stabilized: 2,700 sq. ft.
Total Cut: 1,500 Cu. Yds.
Total Fill: 1,500 Cu. Yds.
Offsite waste/borrow area location - 1500 Cu. Yds. *
 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.

* TO BE USED ON SITE FOR HOUSE CONSTRUCTION

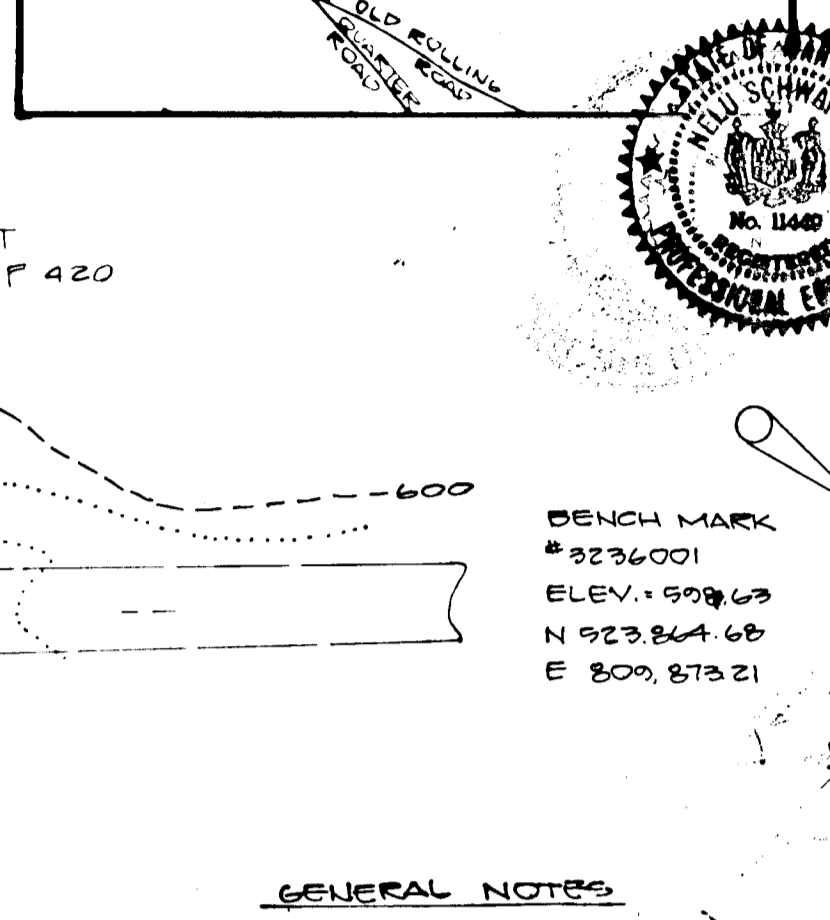
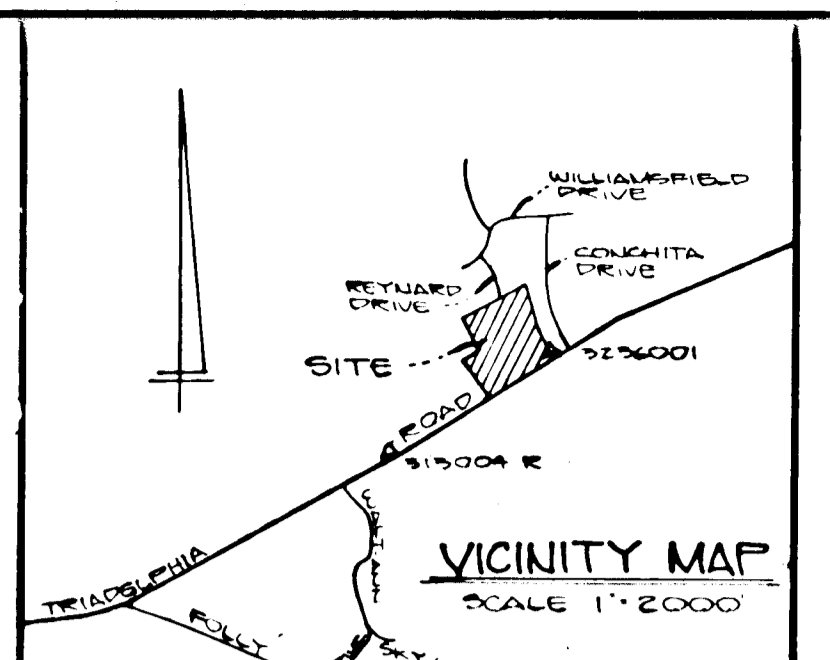
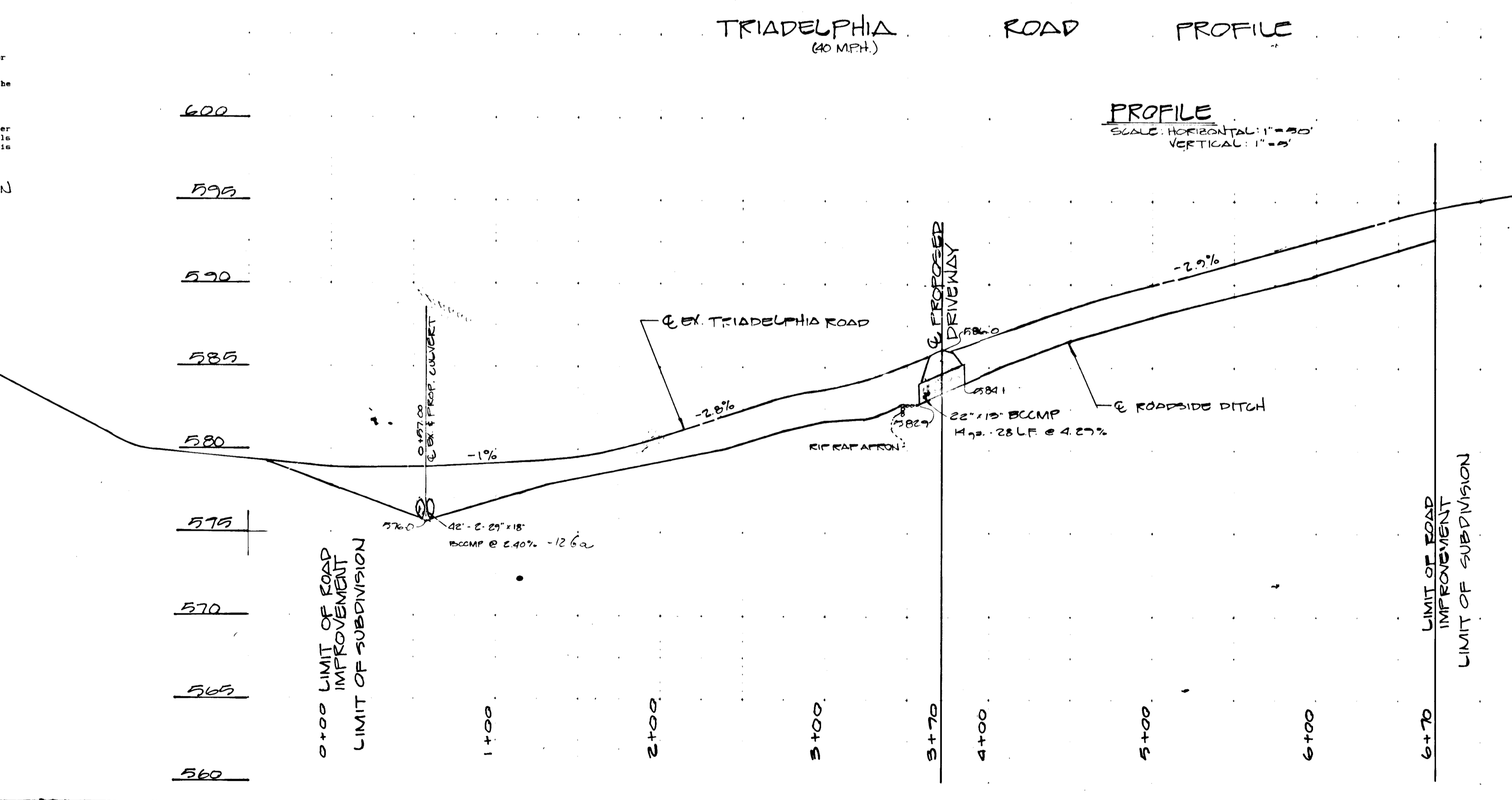
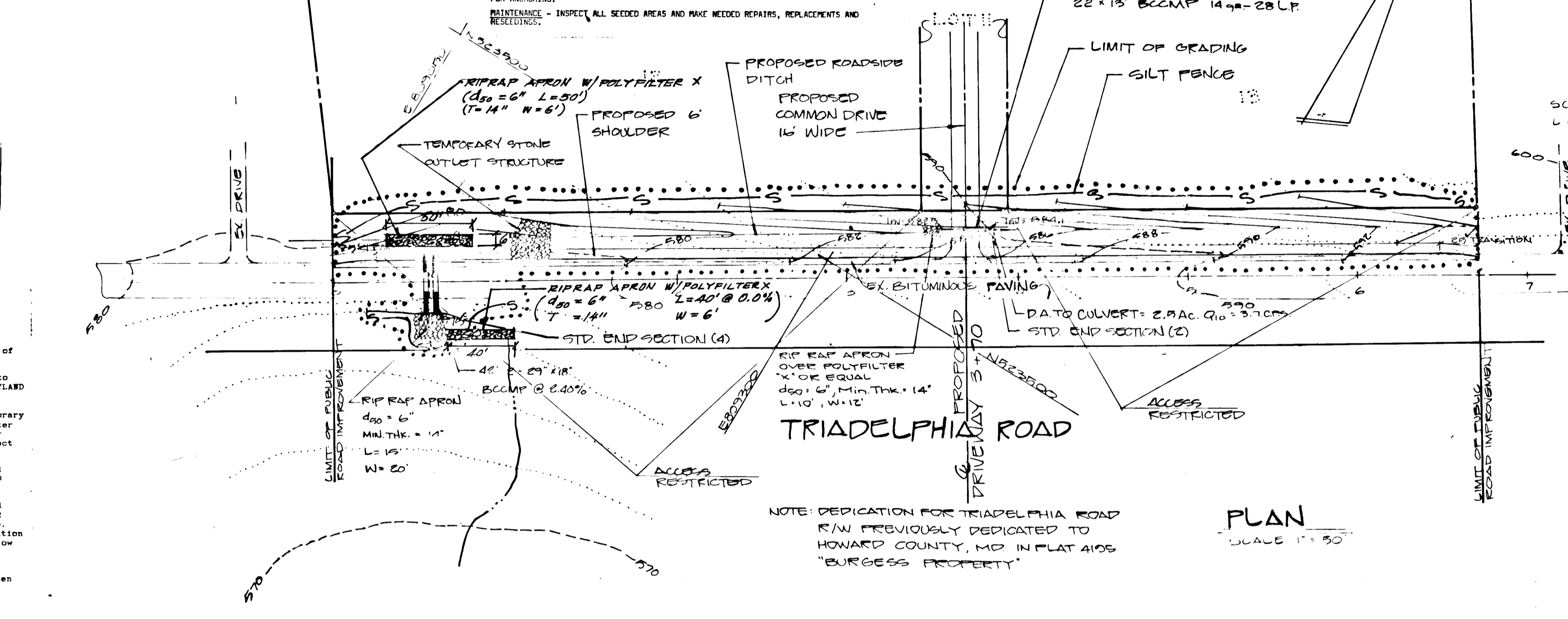


STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
SEDIMENT AND EROSION CONTROL
TEMPORARY STONE OUTLET STRUCTURE
STANDARD NO. MD-388.24

- CONSTRUCTION SEQUENCE**
1. Obtain necessary permits - 8/87
 2. Notify County 24 hours prior to commencement of construction - 8/87
 3. Clear and grub for stone outlet SCE-II silt fence - 8/87
 4. Install SCE-II and silt fence - 8/87
 5. Clear and grub for culverts installation - 8/87
 6. Install rip rap apron and culverts - 8/87
 7. Clear and grub for grading of road and roadside ditch - 8/87
 8. Grade roadside ditch and remove necessary paving for this work - 9/87
 9. Install Bituminous paving - 9/87
 10. Stabilize disturbed area - 10/87
 11. Remove sediment control devices when approved by Sediment Control Inspector.

- PERMANENT SEEDING NOTES**
- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE PRACTICE BEFORE SEEDING.
- SOIL AMENDMENTS:** IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
- 1) PREFERRED - APPLY 2 TONS PER ACRE COLCUMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 400 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 POUNDS PER ACRE 30-0-0 BENTONITE FERTILIZER (9 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.
 - 2) ACCEPTABLE - APPLY 2 TONS PER ACRE COLCUMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (25 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 50 LBS. PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIODS MAY 1 THRU JULY 31, SEED WITH 50 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ. FT.) OF LEPPING LOWGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY OPTION (1) 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOO. OPTION (3) SEED WITH 50 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELLS ANCHORED STRAW.**
- MULCHING - APPLY 14 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (6 GAL/1000 SQ. FT.) FOR ANCHORING.**
- MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.**

- TEMPORARY SEEDING NOTES**
- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE PRACTICE BEFORE SEEDING.
- SOIL AMENDMENTS:** APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 POUNDS PER ACRE 30-0-0 BENTONITE FERTILIZER (9 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING - APPLY 14 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GAL PER ACRE (6 GAL/1000 SQ. FT.) FOR ANCHORING.**
- REFER TO THE 1993 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



SEDIMENT CONTROL DEVELOPER'S CERTIFICATE

"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."

Uttapalli B Rao 8/7/87 DATE

ENGINEER CERTIFICATE

"I/WE 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 HOWARD SOIL CONSERVATION DISTRICT."

John W. Muschler 6/26/87 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

John W. Muschler 8-7-87 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Chief, Land Development Division 10-9-87 DATE

Chief, Bureau of Highways 10-14-87 DATE

CHIEF BUREAU OF ENGINEERING 10/11/87 DATE

REVIEWED FOR HOUSING S.C.D.

AND MEETS TECHNICAL REQUIREMENTS

John W. Muschler 9-29-87 DATE

U.S. SOIL CONSERVATION SERVICE

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

Stephen J. Shuman 9/30/87 DATE

HOWARD S.C.D.

Client: UTTAPALLI B RAO
4970 F 32
CLARKVILLE, MD 21029
(301) 824-0809

DEVELOPMENT CONSULTANTS GROUP, INC.
17904 GEORGIA AVENUE # 102
OLNEY, MARYLAND 20832
301-924-4570

GRADING & SEDIMENT CONTROL FOR PUBLIC IMPROVEMENT TO TRIADELPHIA ROAD
3rd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
TAX MAP: 22, PARCEL: 522

DATE: June 1987
DRAWN: S.M.B.
CHECKED: M.L.S.
SCALE: AS SHOWN

Sheet 2 of 4
PROJECT NO. CI-409

F-87-223

NOTES:

- STANDARD CONC. CURB & GUTTER SHALL BE USED ON DRIVEWAYS.
- THE MAXIMUM GRADE OF THE CURB IN ANY DIRECTION SHALL NOT EXCEED 8%.
- A PROFILE SHALL BE PROVIDED ALONG THE TOP OF CURB FROM POINT P TO POINT Q.

| ZONING DISTRICTS | E | F | S | R/W | A |
|-----------------------|-----|-----|-----|-----|-----|
| COMMERCIAL INDUSTRIAL | 47' | 59' | 12' | 40' | 45' |
| RESIDENTIAL | 40' | 50' | 10' | 50' | 28' |

SEE STD. NO. R-101

| CURVE DATA | | | | |
|--------------------------------------|-----------|----------|-----------|----------|
| COMMERCIAL INDUSTRIAL (38' APPROACH) | | | | |
| CURVE NO. | Δ | R | L | L.C. |
| 1 | 48°10'54" | 2789'48" | 48°10'54" | 2789'48" |
| 2 | 27°00' | 3700' | 27°00' | 3700' |
| 3 | 48°10'54" | 2789'48" | 48°10'54" | 2789'48" |

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: [Signature] Chief, Bureau of Engineering

RESIDENTIAL ZONES:
LOCAL, ON-DE-SAC STS. ALLEYS AND PRIVATE ROADS SERVING INDIVIDUAL LOTS

1 1/2" BIT. CONC. SURFACE
2 1/2" BIT. CONC. BASE

1 1/2" BIT. CONC. SURFACE
2 1/2" BIT. CONC. BASE

PRIME
1/2" CRUSHER RUN BASE COURSE
12 COUPLES OR 6" OF 1/2" GRADED STABLED APPROPRIATE BASE COURSE

4" ROUNDING
RIGHT OF WAY (R/W)

1 PROFILE GRADE LINE (PGL)
2 TYPE OF CURB JANKIES (RIT: IN CURB OR MOD. CORR. CURB & GUTTER OR STD. CORR. CURB & CUTTER (SEE DESIGN MANUAL))
3 CONCRETE SIDEWALK AS REQUIRED BY SUB-DIVISION REGULATIONS
4 INDICATES 2" TOPSOIL, SEED AND MULCH
5 GUARDRAIL HERE REQUIRES BY THE DESIGN MANUAL
6 DITCH (CROSS SECTION) SLOPE MAY BE FLATTENED TO PROVIDE A SLOPE AT OR NEAR THE CREST OF VEGETATION CURVES WHERE THE TYPE OF SMALL FLOW IS SMALL, AS APPROVED BY EDW.

*24" MAY BE USED FOR CURB OF SAC WITH AN A.D. OF 72 OR LESS OR WITH 3" OR LESS FRONTING LOTS.

PAVEMENT WIDTH INDICATED ON TYPICAL STREET SECTIONS TO BE MEASURED TO THIS POINT

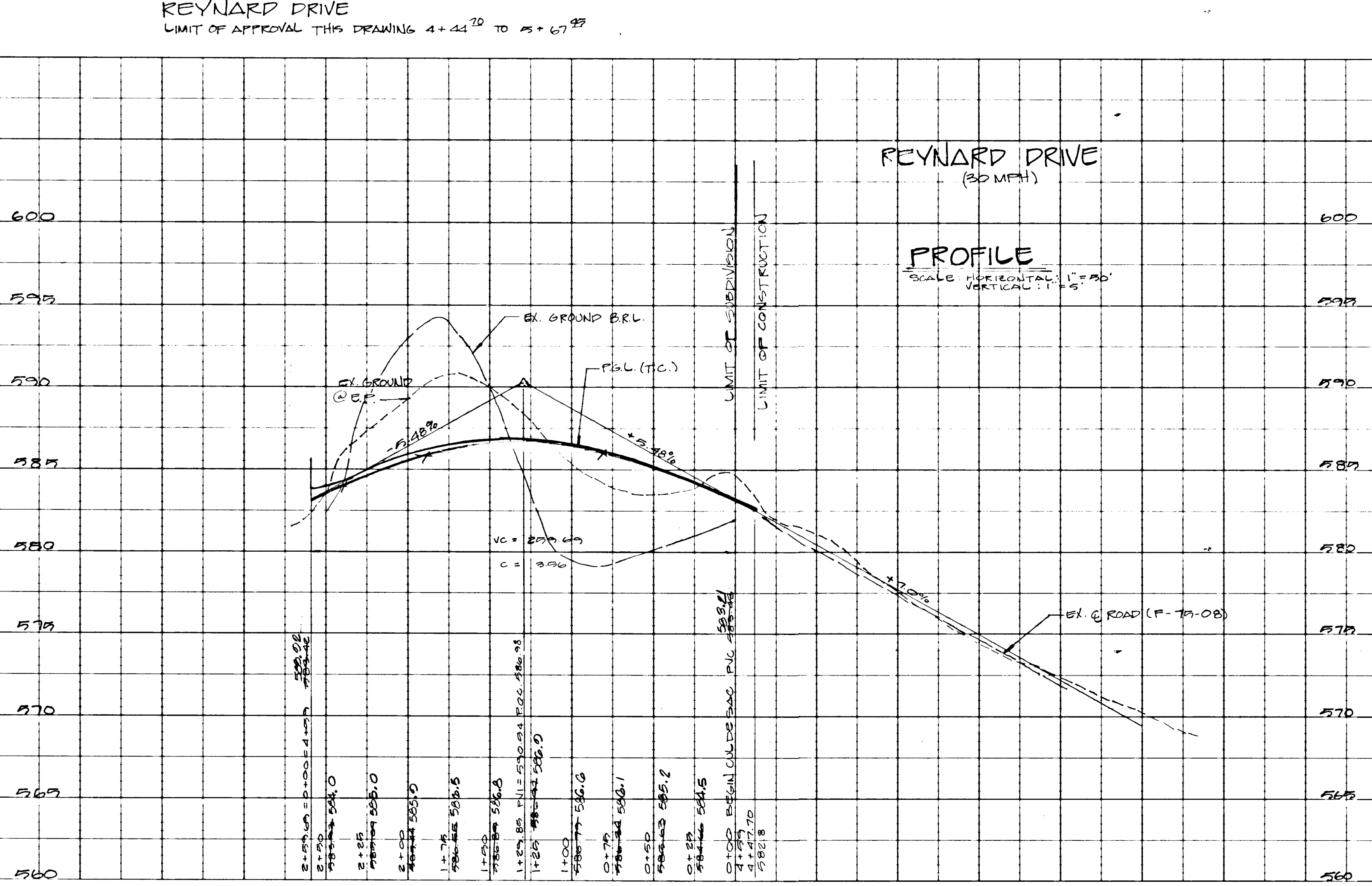
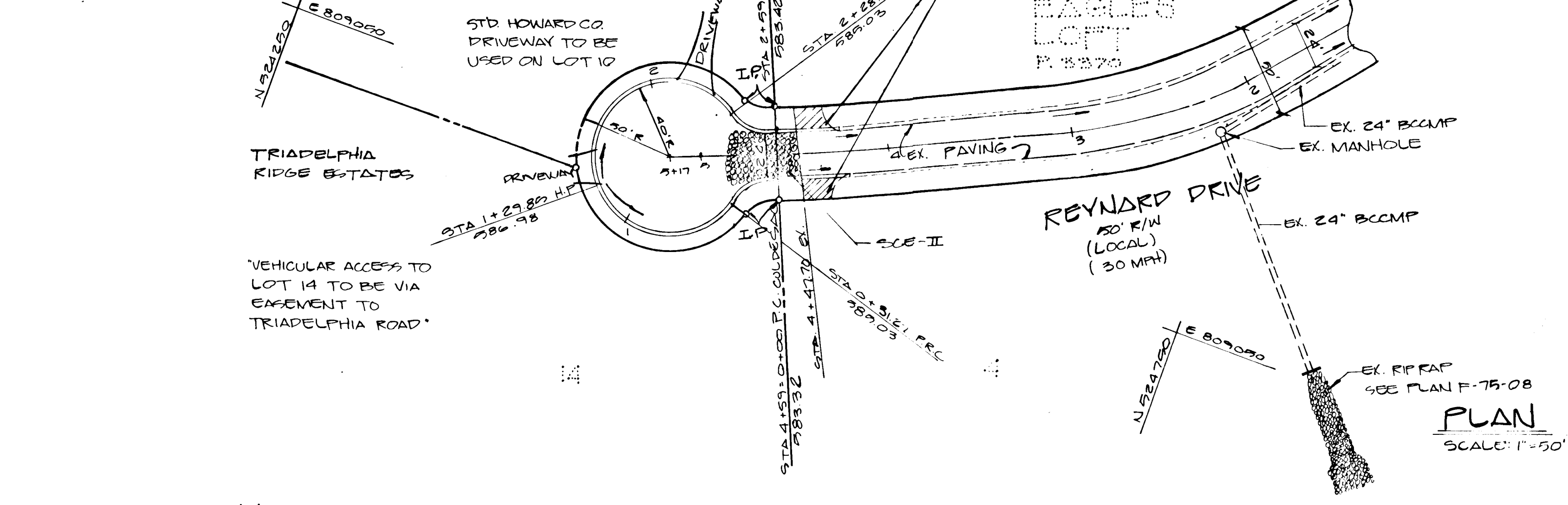
STANDARD 7" COMBINATION CURB AND GUTTER

MODIFIED COMBINATION CURB AND GUTTER

*GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AND IN THE SAME DIRECTION AS THE PAVEMENT. MATCH PAVEMENT CROSS SLOPE WHEN CURB IS LOCATED ON THE LOW SIDE OF SUPERELEVATED SECTION AND THE RATE OF SUPERELEVATION IS GREATER THAN 3% FOR MODIFIED CURB AND GUTTER.

REV. MAR. 1988

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: [Signature] Chief, Bureau of Engineering



SEDIMENT CONTROL

DEVELOPER'S CERTIFICATE

"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."

Untermyer, P.M. 6/17/87

ENGINEER CERTIFICATE

"I/WE 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."

Walter Schwartzy 6/26/87
ENGINEER - NELLO SCHWARTZ #11493

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

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

John W. Madsen 10/18/87
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Walter Schwartzy 10/14/87
CHIEF, BOARD OF HIGHWAYS

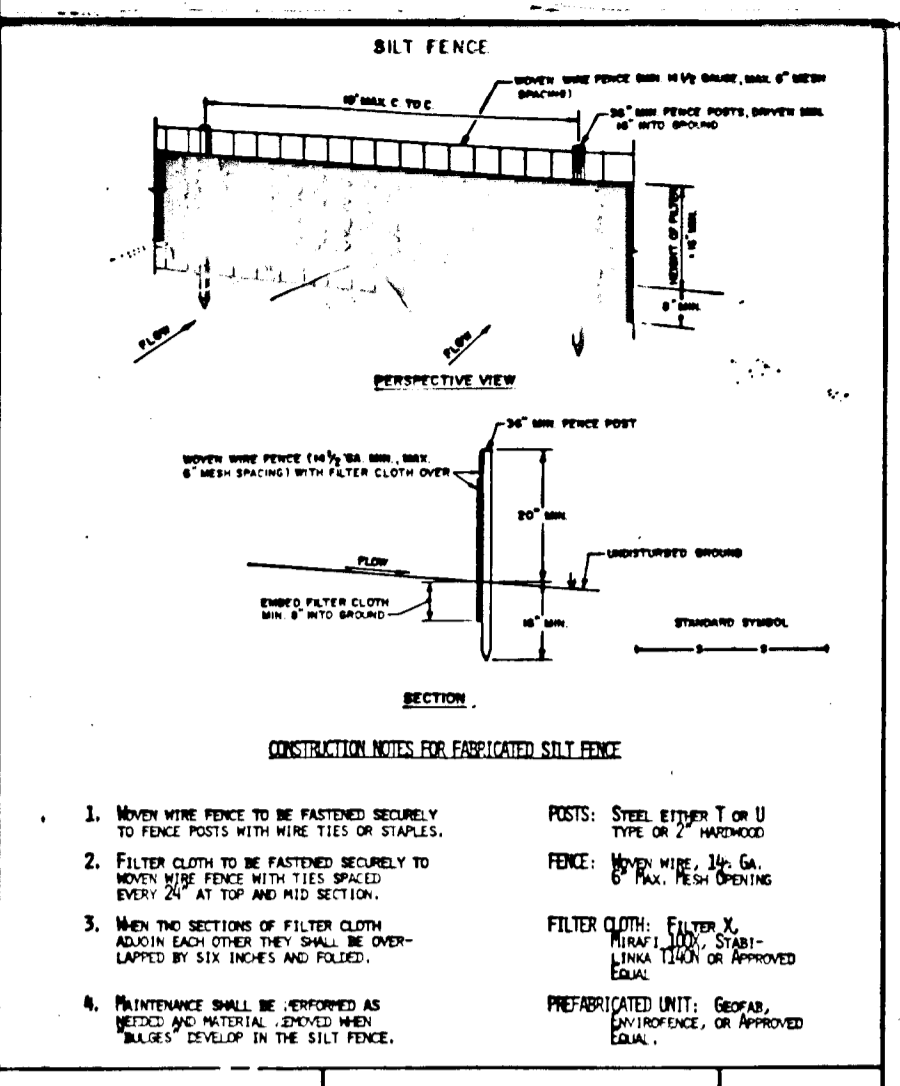
GENERAL NOTES:

- copy of the permits issued by the Corp of Engineers and the Department of Health.
- a certification from the engineer that Sec. 404 and Sec. 401 do not apply and the permits are not required.

REVIEWED FOR: HOWARD COUNTY S.C.D.
AND MEETS TECHNICAL REQUIREMENTS

John W. Madsen 9-29-87
U.S. SOIL CONSERVATION SERVICE

| | | | | | | | | |
|--|-----------|-----------------|------------|---|---|--|---|------------------------------------|
| Owner/Developer: KOTTA PALLI B. RAO 6570 Rt 22 CLARKSVILLE, MD. 21029 (301) 894-0809 | NO. _____ | REVISIONS _____ | DATE _____ | <p>DEVELOPMENT CONSULTANTS GROUP, INC. 17904 GEORGIA AVENUE # 102 OLNEY, MARYLAND 20832 301-924-4570</p> | <p>ROAD CONSTRUCTION AND DRAINAGE PLAN FOR PUBLIC IMPROVEMENT TO REYNARD DRIVE 3rd ELECTION DRIVE HOWARD COUNTY, MARYLAND TAX MAP: 22, PARCEL: 522</p> | S-87-28 F-87-49 F-87-225 VP-87-60 | DATE: June, 1987 DRAWN: S.M.B. CHECKED: M.L.S. SCALE: AS SHOWN | Sheet 3 of 4 PROJECT NO. 21-409 |
| AS-BUILT 9-27-91 | | | | | | F-87-223 | | |



- ### REYNARD DRIVE CONSTRUCTION SEQUENCE
1. Obtain necessary permits - 8/87
 2. Notify County 24 hours prior to commencement of construction - 8/87
 3. Clear and grub for stone outlet SCE-II silt fence - 8/87
 4. Install SCE-II and silt fence - 8/87
 5. Clear and grub for grading of road and remove sections of turnaround (ZZZ) - 8/87
 6. Stabilize this area.
 7. Grade road - 9/87
 8. Install Bituminous paving - 9/87
 9. Stabilize disturbed area - 10/87
 10. Remove sediment control devices when approved by Sediment Control Inspector.

TEMPORARY SEEDING NOTES

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

SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-11-10 FERTILIZER (14 LBS/1000 SQ. FT.)

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 25 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING LONGGRASS (0.7 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 26, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOU.

MULCHING: APPLY 1 1/2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GREEN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GAL. PER ACRE (6 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT OR HIGHER, USE 340 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

| | | |
|--|------------|--------------------------|
| U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE CLARKSVILLE, MARYLAND | SILT FENCE | STANDARD DRAWING SF-1 |
|--|------------|--------------------------|

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LOG-GRAINED VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 1) PREFERRED - APPLY 2 TONS PER ACRE COLCATHIC Limestone (92 LBS/1000 SQUARE FEET) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 POUNDS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.)
- 2) ACCEPTABLE - APPLY 2 TONS PER ACRE COLCATHIC Limestone (92 LBS/1000 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (20 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 25 LBS. PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (10 LBS/1000 SQ. FT.) OF KEEPING LONGGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 26, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOU. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELLS ANCHORED STRAW.

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (6 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (0922-2437)
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 1983 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 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 32, 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. 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: Roads Only

| | |
|------------------------------------|----------------|
| Total Area of Site | 8,997 sq. ft. |
| Area Disturbed | 17,700 sq. ft. |
| Area to be paved | 25,000 sq. ft. |
| Area to be vegetatively stabilized | 15,000 sq. ft. |
| Total Cut | Cu. Yds. |
| Total Fill | Cu. Yds. |
| Offsite waste/borrow area location | N/A |
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 DPV 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.

STABILIZED CONSTRUCTION ENTRANCE

not to scale

CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 30 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or directed toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with six (6) slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This requires periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any reuses used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Permittive inspection and needed maintenance shall be provided after each rain.

| | | |
|---------------------------|----------------------------------|------------------|
| SOIL CONSERVATION SERVICE | STABILIZED CONSTRUCTION ENTRANCE | Standard Drawing |
|---------------------------|----------------------------------|------------------|

REVISIONS: DATE

DATE: 10-17-87

DATE: 9/26/87

DATE: 10/14/87

DATE: 9-29-87

DATE: 9-29-87

DATE: 9-29-87

DATE: 9-29-87

DATE: 9-29-87

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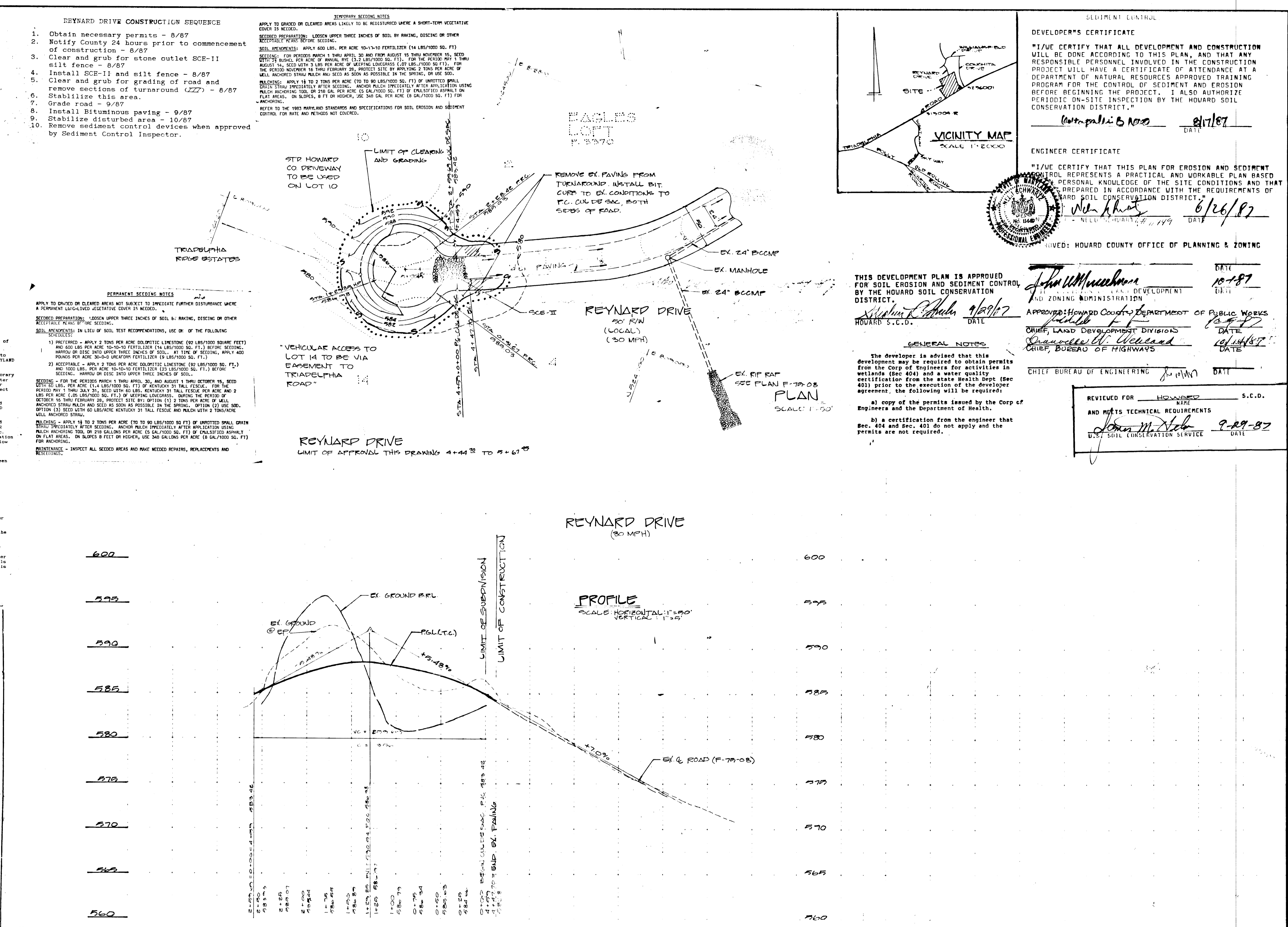
DATE: 9-29-87

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| <p>DEVELOPER'S CERTIFICATE</p> <p>"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."</p> <p><i>William B. Rau</i> 8/17/87 DATE</p> | <p>ENGINEER CERTIFICATE</p> <p>"I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF MARYLAND SOIL CONSERVATION DISTRICT."</p> <p><i>John W. Muehlen</i> 6/26/87 DATE</p> <p>RECEIVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING</p> | <p>APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p><i>William B. Rau</i> 9/29/87 DATE</p> <p>CHIEF, LAND DEVELOPMENT DIVISION</p> <p><i>James W. Weiland</i> 10/14/87 DATE</p> <p>CHIEF, BUREAU OF HIGHWAYS</p> | <p>REVIEWED FOR: HOWARD COUNTY S.C.D.</p> <p>AND METS TECHNICAL REQUIREMENTS</p> <p><i>John W. Muehlen</i> 9-29-87 DATE</p> |
|---|---|---|---|

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