

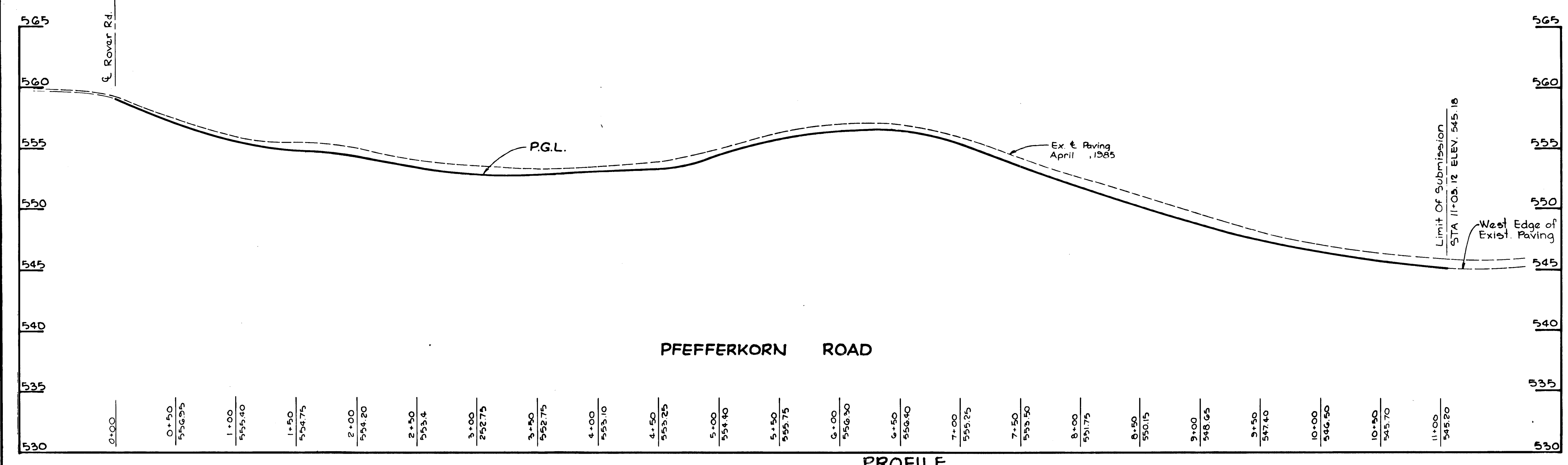
BM 3334001 ELEV 558.94
CONC. MONUMENT 0.7' BELOW SURFACE, 5.0' OFF EDGE OF PFEFFERKORN ROAD APPROXIMATELY 56' SOUTH OF INTERSECTION OF OLD ROVER ROAD.

BM 3434001 ELEV 546.15'
3/4" REBAR 0.5' BELOW SURFACE, 1.8' OFF EDGE OF PFEFFERKORN ROAD APPROXIMATELY 25' SOUTH OF OLD ROVER ROAD.

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR ROAD CONSTRUCTION.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

BELL TELEPHONE SYSTEM	393-3649
LONG DISTANCE CABLE DIVISION	393-3553 or 3554
BALTIMORE GAS AND ELECTRIC	539-8000 EXT. 691
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
HOWARD COUNTY CONSTRUCTION INSPECTION SURVEY DIVISION	992-2417/2418
- INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1978 EDITION.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM 1929.
- ALL FILL AREAS WITHIN ROADWAYS AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM 95% OF MAXIMUM OBTAINABLE DENSITY DETERMINED BY MARSHALL PROCTOR.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- SUBJECT PROPERTY ZONED R PER 8-2-85 COMPREHENSIVE ZONING PLAN.
- SEE VP 85-57



APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

William B. Reilly 1-27-86
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John W. Murchman 1-28-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

3-3-88 WIDENING ALONG OLD ROVER RD.
3-31-88 CHANGE P-2 TO F-7
NO. DATE REVISION

TRACY, SCHULTE & ASSOCIATES INC.
planning • architecture • engineering

8450 Baltimore National Pike • Suite 34 • Ellicott City, Maryland 21043 • (301) 465-6105

STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER

James K. Schaefer

OWNER/DEVELOPER: THE LINCHENDALE PARTNERSHIP
3161 ROGERS AVENUE
ELLCOTT CITY, MARYLAND 21043

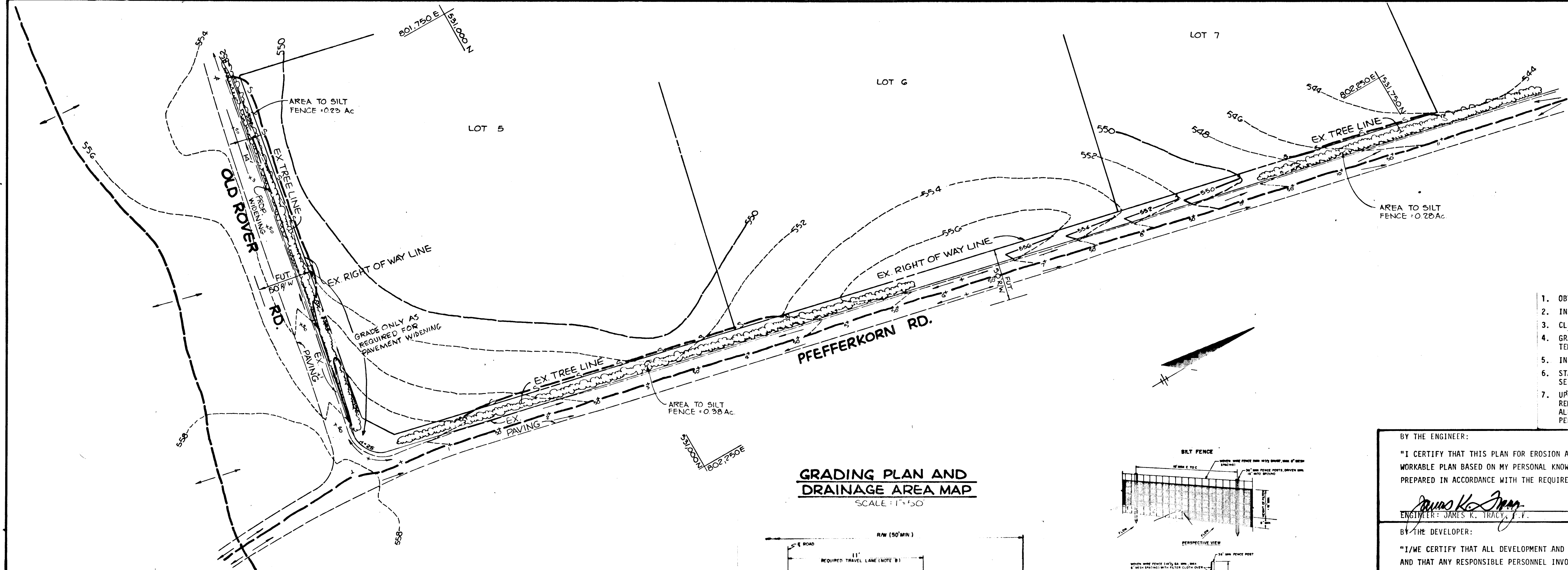
PROJECT: LINCHENDALE FARM SECTION 1 AREA 1 LOTS 5, 6 & 7

LOCATION: TAX MAP 15 PARCEL 168
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

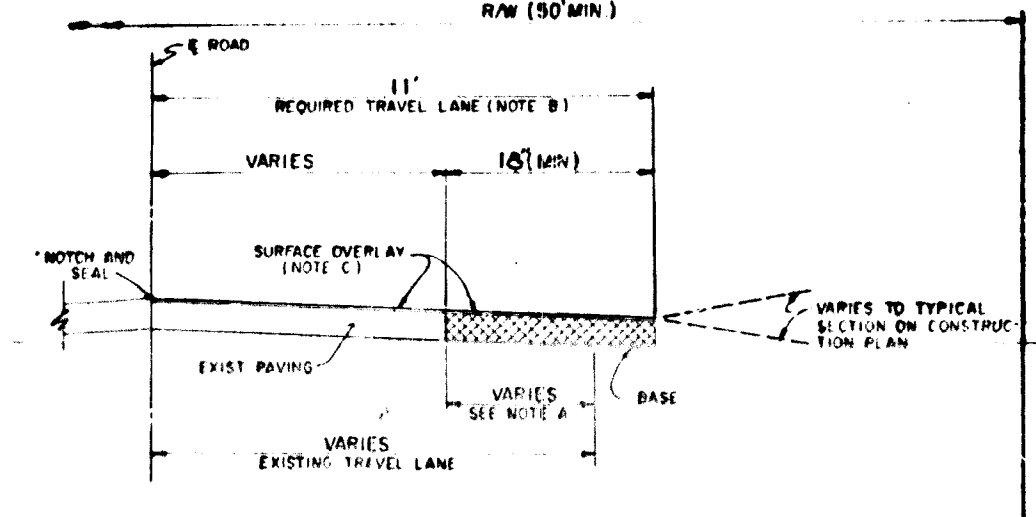
TITLE: PLAN AND PROFILE OF PFEFFERKORN ROAD AND PLAN OF OLD ROVER ROAD

DATE: JUNE 14, 1985 PROJECT NO: 2584 RSD

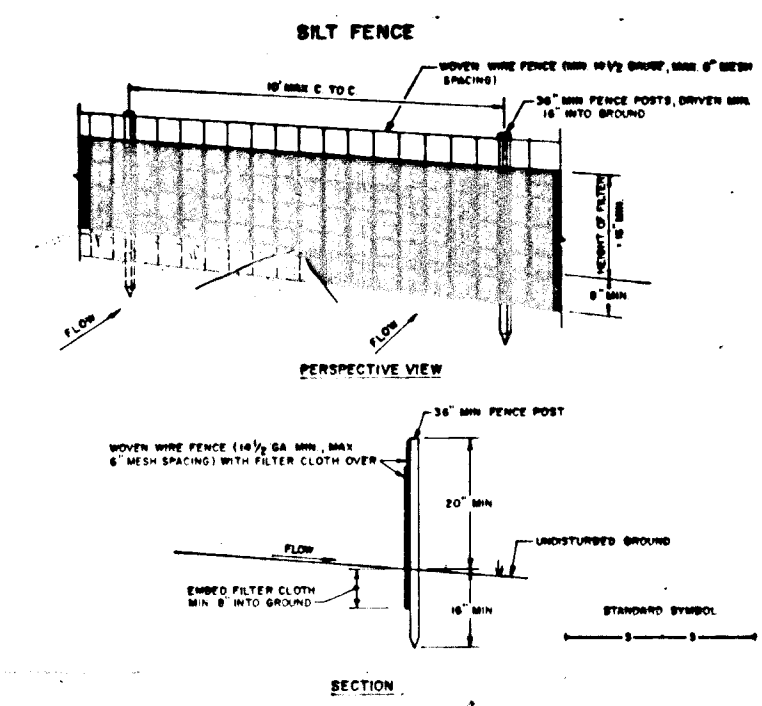
DES: RJW DRN: LRC SCALE: AS SHOWN DRAWING: 1 OF 2



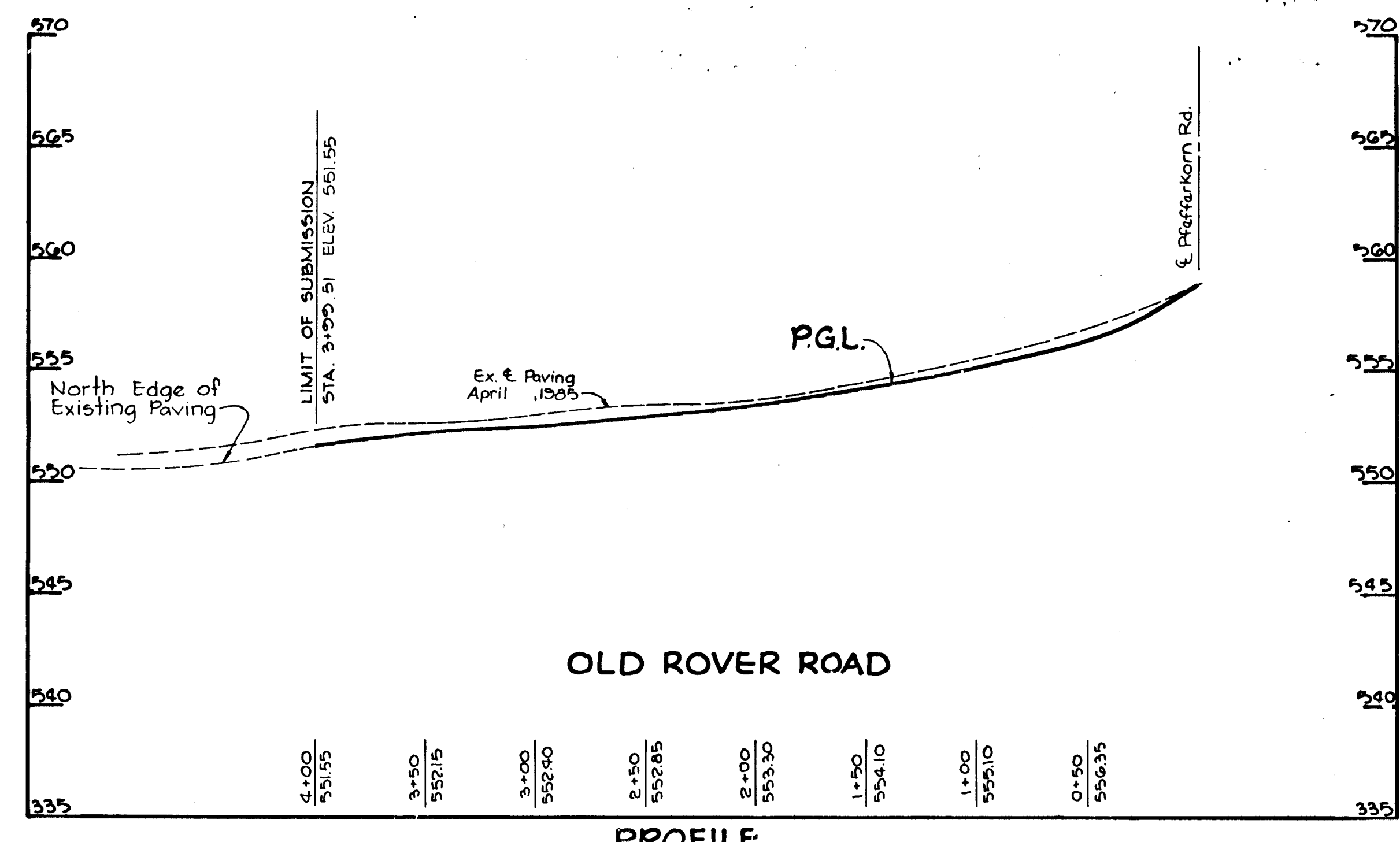
GRADING PLAN AND DRAINAGE AREA MAP
SCALE: 1"=50'



ROAD WIDENING
NO SCALE



SILT FENCE
NO SCALE



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

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN A GRADING PERMIT
 2. INSTALL SILT FENCE
 3. CLEAR AND GRUB AREA TO BE DISTURBED
 4. GRADE IN ACCORDANCE WITH PLANS AND STABILIZE AS PER TEMPORARY SEEDING NOTES
 5. INSTALL ALL PAVING
 6. STABILIZE SHOULDERS AND SLOPES AS PER PERMANENT SEEDING NOTES
 7. UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND SEED ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES

BY THE ENGINEER:
"I 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."
James K. Tracy
ENGINEER: JAMES K. TRACY, P.E.
DATE: 1/9/86

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."
Steven K. Breeden
DEVELOPER: STEVEN K. BREEDEN
DATE: 1/9/86

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Stephen L. Fahn
HOWARD S.C.D.
DATE: 1/28/86

REVIEWED FOR: HOWARD S.C.D. S.C.D.
AND MEETS TECHNICAL REQUIREMENTS
James M. Hahn
U. S. SOIL CONSERVATION SERVICE
DATE: 1-28-86

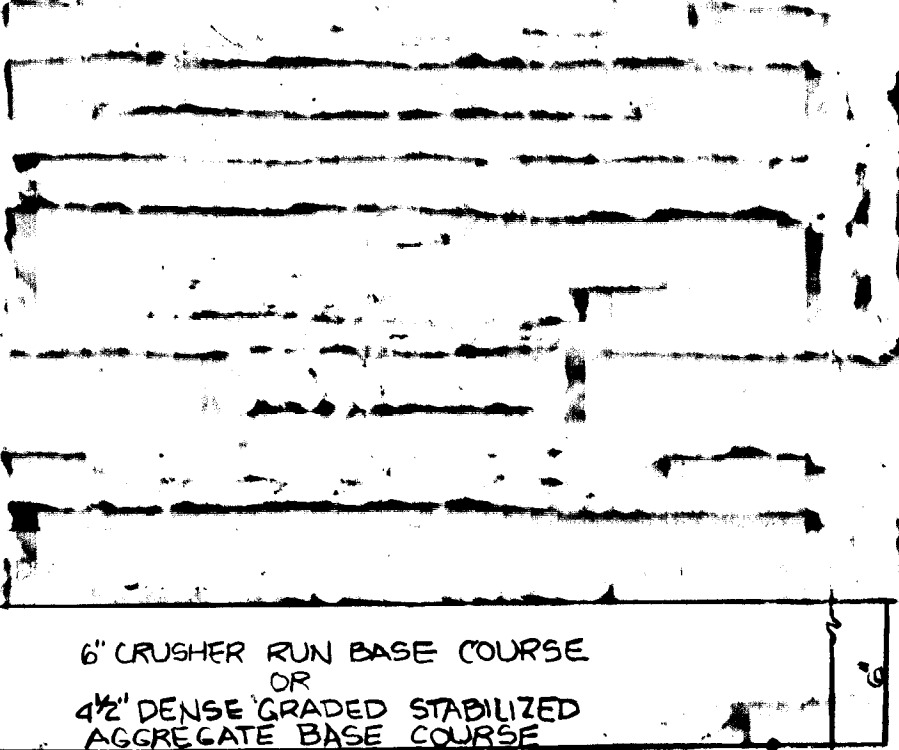
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John W. Munchman
DATE: 1-29-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
W. Lee & R. Lee
DATE: 1-29-86
CHIEF, BUREAU OF ENGINEERING
3-3-84 WIDENING ALONG OLD ROVER RD
5-31-88 CHANGE P-2 TO P-7
NO DATE REVISION

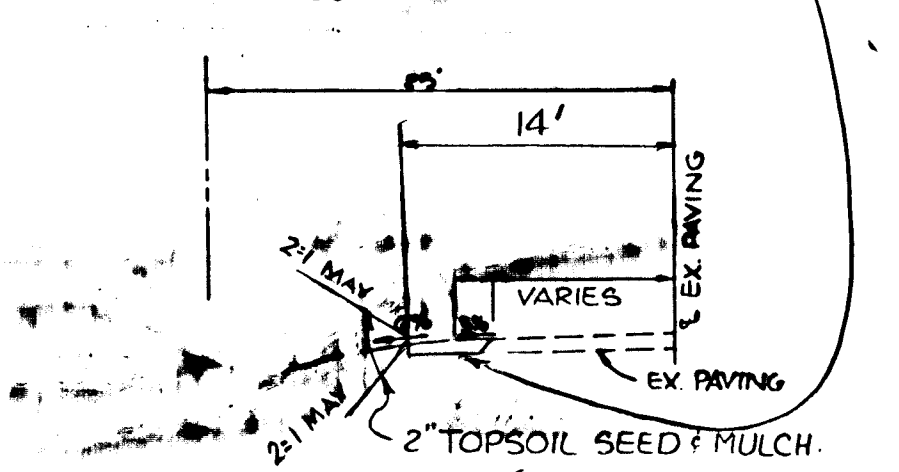
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James K. Tracy

OWNER/DEVELOPER: THE LICHENDALE PARTNERSHIP
3161 ROGERS AVENUE
ELLCOTT CITY, MD. 21043
PROJECT: LICHENDALE FARM
SECTION 1 AREA 1
LOTS 5, 6, 7
LOCATION: TAX MAP 1'S PARCEL 1G8
3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
TITLE: DRAINAGE AREA MAP, GRADING AND SEDIMENT CONTROL PLAN, NOTES, DETAILS AND PROFILE
DATE: JUNE 14, 1985 PROJECT NO: 2984 RSD
SCALE: AS SHOWN DRAWING: 2 OF 2
DES: RJW DRN: LRC

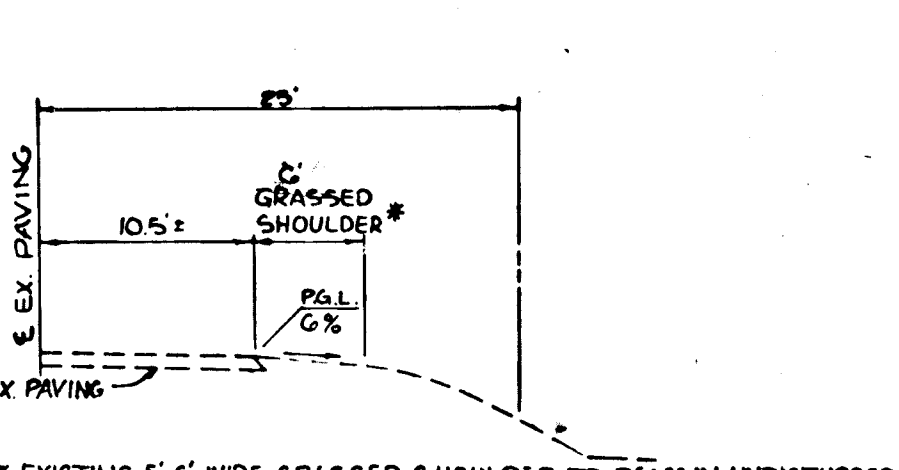
- SEDIMENT CONTROL NOTES**
- 1) A minimum of 24 hours notice must be given to the HOWARD COUNTY OFFICE OF INSPECTIONS and PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2327).
 - 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE 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, 3:1 14 DAYS AS TO ALL OTHER DISTURBED OR CHANGED AREAS ON THE PROJECT SITE.
 - 4) ALL SEDIMENT TRAP/BAINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, 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 FOR PERMANENT SEEDING (ENC. 3) SEE (ENC. 3) TEMPORARY SEEDING (ENC. 3) AND MULCHING (ENC. 3). TEMPORARY STABILIZATION WITH MULCH ALONG CANALS OR IN BERM AREAS RECOMMENDED SEEDING NOTES 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 OF SITE: 0.48 ACRES
AREA DISTURBED: 0.48 ACRES
AREA TO BE RESEED OR PAVED: 0.09 ACRES
AREA TO BE TEMPORARILY STABILIZED: 0.46 ACRES
TOTAL CUT: 160 CU. YDS.
TOTAL FILL: 140 CU. YDS.
OPPOSITE BANK/SLOPE AREA LOCATION: N/A.
 - 8) ANY SEDIMENT CONTROL PRACTICES 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 SOIL SEDIMENT CONTROL INSPECTOR.
 - 10) ALL SEDIMENT TRAPS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- PERMANENT SEEDING NOTES**
- 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 DOLOMITIC LIMESTONE (92 1ba/1000 sq ft) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 1ba/1000 sq ft) BEFORE SEEDING. BARRON OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 1ba/1000 sq ft).
 - 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 1ba/1000 sq ft) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 1ba/1000 sq ft) BEFORE SEEDING. BARRON OR DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING - FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (14 1ba/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 (0.5 1ba/1000 sq ft) OF SEEDING LIME. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL 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 WELL ANCHORED STRAW MULCH. APPLY 1 1/2 TONS PER ACRE (70 TO 90 1ba/1000 sq ft) OF UNSORTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 1ba/1000 sq ft) OF EMPLOYEED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 ga/1000 sq ft) FOR ANCHORING.**
- MAINTENANCE -** INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
- TEMPORARY SEEDING NOTES**
- APPLY TO GRADY 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 400 LBS PER ACRE 10-10-10 FERTILIZER (14 1ba/1000 sq ft)
- SEEDING - FOR PERIODS MARCH 1 THRU APRIL 30, AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 75 BUSHEL PER ACRE OF ANNUAL RYE (1.2 1ba/1000 sq ft). FOR THE PERIOD MAY 1 THRU AUGUST 15, SEED WITH 75 BUSHEL PER ACRE OF WINTER TROPICANA (1.2 1ba/1000 sq ft). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. USE SOU.**
- MULCHING -** APPLY 1 1/2 TONS PER ACRE (70 TO 90 1ba/1000 sq ft) OF UNSORTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 1ba/1000 sq ft) OF EMPLOYEED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 ga/1000 sq ft) FOR ANCHORING.
- REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHOD OF APPLICATION.



P-7 PAVING
NO SCALE



TYPICAL HALF SECTION
NO SCALE



TYPICAL HALF SECTION
NO SCALE

#171