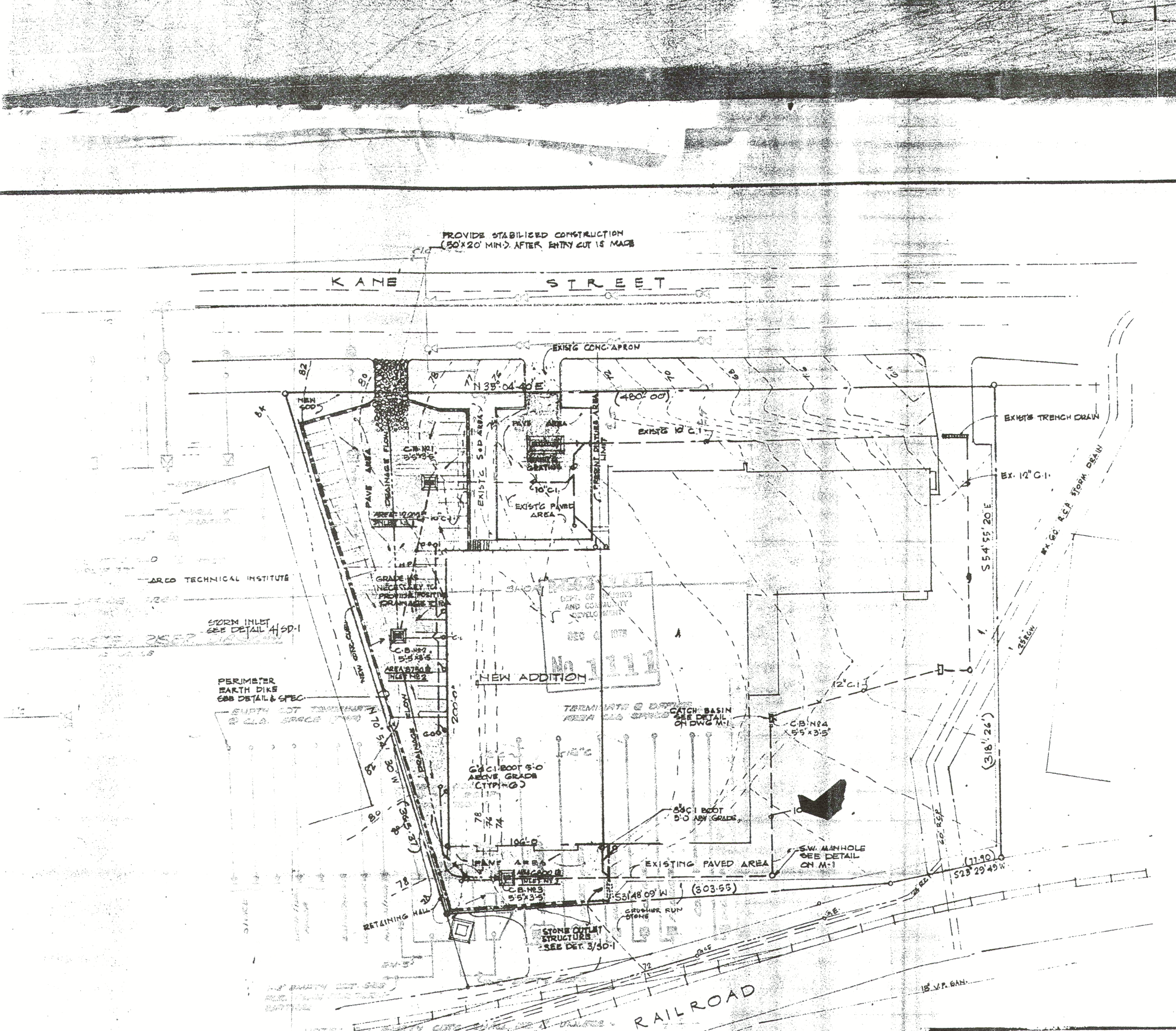




SEEDING & SODDING NOTES

1. SEDIMENT TRAPS, DIVERSION DIKES AND INTERCEPTOR DIKES ARE TO BE TEMPORARILY SEEDED WITH KENTUCKY 31 FESCUE 5-7 LBS. PER 1,000 SQ. FT. IMMEDIATELY AFTER THEY ARE CONSTRUCTED. THE EMERGENCY SPILLWAY SHALL BE SODDED.

2. ALL TEMPORARILY SEEDING AREAS SHALL BE MULCHED IMMEDIATELY AFTER SEEDING. MULCH MATERIALS SHOULD BE UNWEATHERED, UNCHIPPED, SHALL GRAIN STRAW SPREAD AT A RATE OF 1-1/2 TO 2 TONS PER ACRE. THE MULCH SHALL BE ANCHORED IMMEDIATELY AFTER PLACEMENT WITH ASPHALT, PEG AND TWINE. PLASTIC BEETINGS OR BY A MULCH ANCHORING TOOL.

3. LIME AND FERTILIZER SHALL BE REQUIRED FOR TEMPORARY SEEDINGS IN ACCORDANCE WITH THE FOLLOWING PROCEDURE:
(1) PULVERIZED DOLOMITIC LIMESTONE IS TO BE APPLIED AT THE RATE OF 40 LBS PER 1,000 SQ. FT.
(2) FERTILIZER SHALL BE 10-10-10 OR EQUIVALENT AND APPLIED AT THE RATE OF 12 TO 18 LBS PER 1,000 SQ. FT.

4. ALL DISTURBED AREAS SHALL BE FINALLY STABILIZED WITH SEED OR SOD IMMEDIATELY UPON COMPLETION OF FINE GRADING IN ACCORDANCE WITH THE FOLLOWING PROCEDURE.

5. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED ON THE DESIGNED AREAS AND SHALL BE A MINIMUM DEPTH OF 5 INCHES AFTER FINISHING.

6. FERTILIZER SHALL BE 10-10-10 AND APPLIED AT THE RATE OF 23 LBS. PER 1,000 SQ. FT.

7. SOD IS TO BE APPROVED OR BETTER KENTUCKY 31 FESCUE.

8. LIME AND FERTILIZER SHALL BE UNIFORMLY MIXED INTO THE TOP 4 INCHES OF SOIL BY DISCING, HARROWING OR OTHER APPROVED METHODS.

9. SEED SHALL BE 0-20% KENTUCKY BLUEGRASS, 80-100% KENTUCKY 31 TALL FESCUE AT THE RATE OF 6 TO 8 LBS. PER 1,000 SQ. FT.

10. ALL DISTURBED AREAS NOT SODDED SHALL BE SEED.

11. SOD SHALL BE PLACED ON ALL DRISTE WELL DEFINED SQUARES.

SEDIMENT CONTROL PLAN

APPROVED

SCALE: 1"=40'-0"

NOTES:

Sediment control devices shall be considered limits of grading where not otherwise shown.

All dikes shall be compacted with the machinery doing the construction. Contractor to exercise extreme care in installation of sediment control as to minimize destruction on existing trees.

Sediment Control Devices (ditches - dikes - traps, etc.) are to remain in place until contributing watershed has been stabilized. Maintenance to sediment control devices during the under going grading, construction and development should be done as necessary. Removal of these devices shall be with the approval of the Baltimore Department of Licenses and Permits. After removal of sediment practices contractor to shape, stabilize immediately.

SEDIMENT CONTROL NOTES

1. SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD COND. O.S. AT TIME OF CONSTRUCTION, UPON APPROVAL OF BALTIMORE C.D.

2. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE APPLICABLE PUBLISHED "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS."

3. ALL SEDIMENT AND EROSION CONTROL FACILITIES ARE TO BE CONSTRUCTED PRIOR TO GRADING AND THEY SHALL BE IN AN OPERATIONAL CONDITION BEFORE GRADING CONSTRUCTION BEGINS.

4. PERIODIC INSPECTION AND MAINTENANCE ARE TO BE PROVIDED TO INSURE EFFICIENCY OF ALL FACILITIES.

5. CONTRACTOR INSTALLING THE ABOVE SHALL OBTAIN AND FOLLOW THE STANDARD SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL AS DISTRIBUTED BY THE BALTIMORE SOIL CONSERVATION DISTRICT.

6. ALL STRUCTURES UTILIZING COMPACTED EARTH FILL ARE TO BE COMPOSED OF MATERIAL TAKEN FROM APPROVED BORROW AREAS AND SHALL BE FREE OF ROOTS, WOODY VEGETATION, ROCKS AND OTHER OBJECTIONABLE MATERIAL. A MINIMUM OF 10% SHALL BE ALLOWED FOR SETTLEMENT FILLS TO BE PLACED IN 6" LIFTS AND COMPACTED AS Laid.

7. ALL AREAS OF INGRESS-EGRESS ARE TO BE PROTECTED FROM TRACKING MUD ONTO PUBLIC RIGHT-OF-WAY.

8. ALL SEDIMENT CONTROL STRUCTURES SHALL BE FUNCTIONAL AT THE END OF EACH DAY.

9. GRADING AND CONSTRUCTION MAY BEGIN UPON COMPLETION AND ACCEPTANCE OF ALL ITEMS SHOWN, REQUIRED OR SPECIFIED HEREON.

10. AREAS DISTURBED BY DIGITAL GRADING THAT ARE NOT TO BE CONSTRUCTED ON WITHIN 30 DAYS ARE TO BE STABILIZED WITH A SEMI-PERMANENT TYPE SEEDING AND MULCHING. SEE PAGES 50.01 THRU 50.05 OF REFERENCED STDS. AND SPECS.

11. ALL SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED IMMEDIATELY WITH MULCH. SEE PAGES 52.01 THRU 52.03 OF REFERENCED STDS. AND SPECS.

12. ALL DISTURBED AREAS SHALL BE FINALLY STABILIZED WITH PERMANENT SEEDINGS UPON COMPLETION OF FINE GRADING. SEE PAGES 51.01 THRU 51.07 OF REFERENCED STDS. AND SPECS.

13. SEDIMENT TRAPS AND DIVERSION DIKES ARE TO RECEIVE TEMPORARY SEEDING IMMEDIATELY AFTER THEY ARE CONSTRUCTED. SEE PAGES 50.01 THRU 50.05 OF REFERENCED STDS. AND SPECS.

14. THE THROATS OF ALL STORM DRAINAGE INLETS SHALL BE PROTECTED AND KEPT FREE OF ANY DEPOSITS OF SEDIMENT, I.E. "ROUGH USE" OF SANDBAGS, GRAVEL OR OTHER APPLICABLE METHOD UNTIL THE UPRILL AREAS HAVE BEEN STABILIZED AND THE STREETS HAVE BEEN PAVED.

PERIMETER DIKE
(not to scale)

CROSS SECTION

Positive drainage. (Sufficient grade to drain.)

Uphlope toe

Construction Specifications

1. All dikes shall be machine compacted.
2. All perimeter dikes shall have positive drainage to an outlet.
3. A. Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure.
B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as a sediment trap or a sediment basin or to an area protected by any of these practices.
4. Stabilization, when required, shall be done in accordance with Standard and Specifications for Graded Waterway. The minimum area to be stabilized shall be the channel flow area.
5. Periodic inspection and required maintenance shall be provided.

Standard Symbol

* Drainage area less than 5 acres

STONE OUTLET STRUCTURE
(not to scale)

Flow

Earth dike

Stone

Level crest 6" min. 12" min.

(as shown on plan)

Stone embedded 4" min.

PROFILES

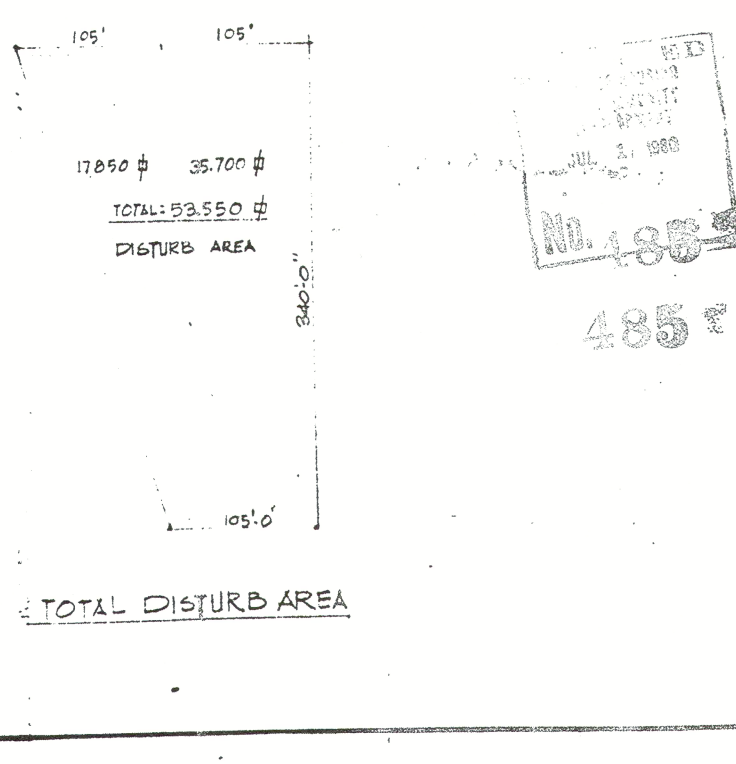
Ground line

Construction Specifications

1. The stone shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet MSHA Size No. 2 or AASHTO designation M43 Size No. 2 or 74.
2. The crest of the stone dike shall be at least six inches lower than the lowest elevation of the top of the earth dike and shall be level.
3. The stone outlet structure shall be embedded into the soil a minimum of four inches.
4. The minimum length, in feet, of the crest of the stone outlet structure shall be equal to six times the number of acres of contributing drainage area.
5. The stone outlet structure shall be tapered after each end, and the stone shall be replaced with the same size material as intended due to silt accumulation along the slope, excessive construction traffic damage, etc.

Standard Symbol

* Drainage area less than 5 acres



STABILIZED CONSTRUCTION ENTRANCE
(not to scale)

Public Right-of-Way

Brickwork ground

PROFILES

Provide appropriate transition between Stabilized Construction Entrance and Public Right-of-Way

Standard Symbol

SEDIMENT TRAP SIZES

DESIGN ON BASIS OF 1800 CUM YD/ACRE OF AREA

INLET NO. 1

1800 ± 44000 CUM ± .041
.041 X 12,000 = 500 CUM
10' X 12' X 4' GUMP SIZE PER INLET #1

INLET NO. 2

1800 ± 44000 CUM ± .041
.041 X 8750 = 358 CUM
10' X 10' X 4' GUMP SIZE PER INLET #2

INLET NO. 3

1800 ± 44000 CUM ± .041
.041 X 4000 = 178 CUM
10' X 8' X 4' GUMP SIZE PER INLET #3

SEQUENCE OF CONSTRUCTION

1. INSTALL SEDIMENT CONTROL PERIMETER DIKE	JULY, 1980
2. CLEAR & ROUGH GRADE SITE (SEE SPEC. SHEET)	JULY, 1980
3. START BUILDING CONSTRUCTION	JULY, 1980
4. INSTALL SEDIMENT TRAPS (SEE SPEC. ABOVE)	AUG., 1980
5. FINE GRADE & BIAS PAVE AREAS	OCT., 1980
6. PERMANENT STABILIZE	NOV., 1980
7. FINISH BUILDING CONSTRUCTION	JAN., 1981
8. REMOVE SEDIMENT CONTROL AFTER RECEIVING PERMISSION TO DO SO FROM BALTIMORE C.D.	JAN., 1981
9. CLEAN, SHAPE AND RESURF AREA	JAN., 1981
10. MAINTENANCE	CONTINUAL

LEGEND

PERIMETER DIKE

PROP. STORM DRAIN

DRAINAGE FLOW

STORM INLET SEDIMENT TRAP

NOTE

CONTRACTOR MAY AT HIS OPTION RELOCATE THE POINT OF INGRESS & EGRESS PROVIDED THAT HE CONSTRUCTS A STABILIZED CONSTRUCTION ENTRANCE WITH THE APPROVAL OF THE LICENSE & PERMIT INSPECTOR.