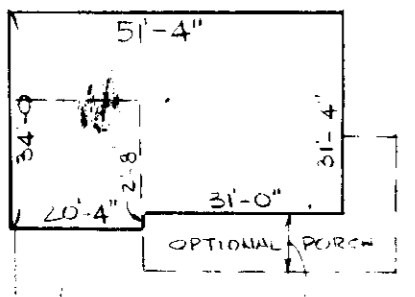
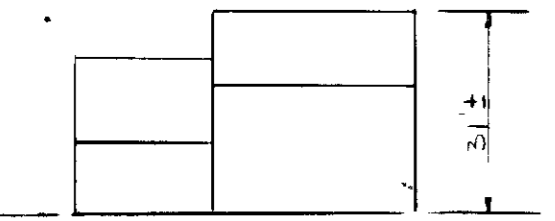
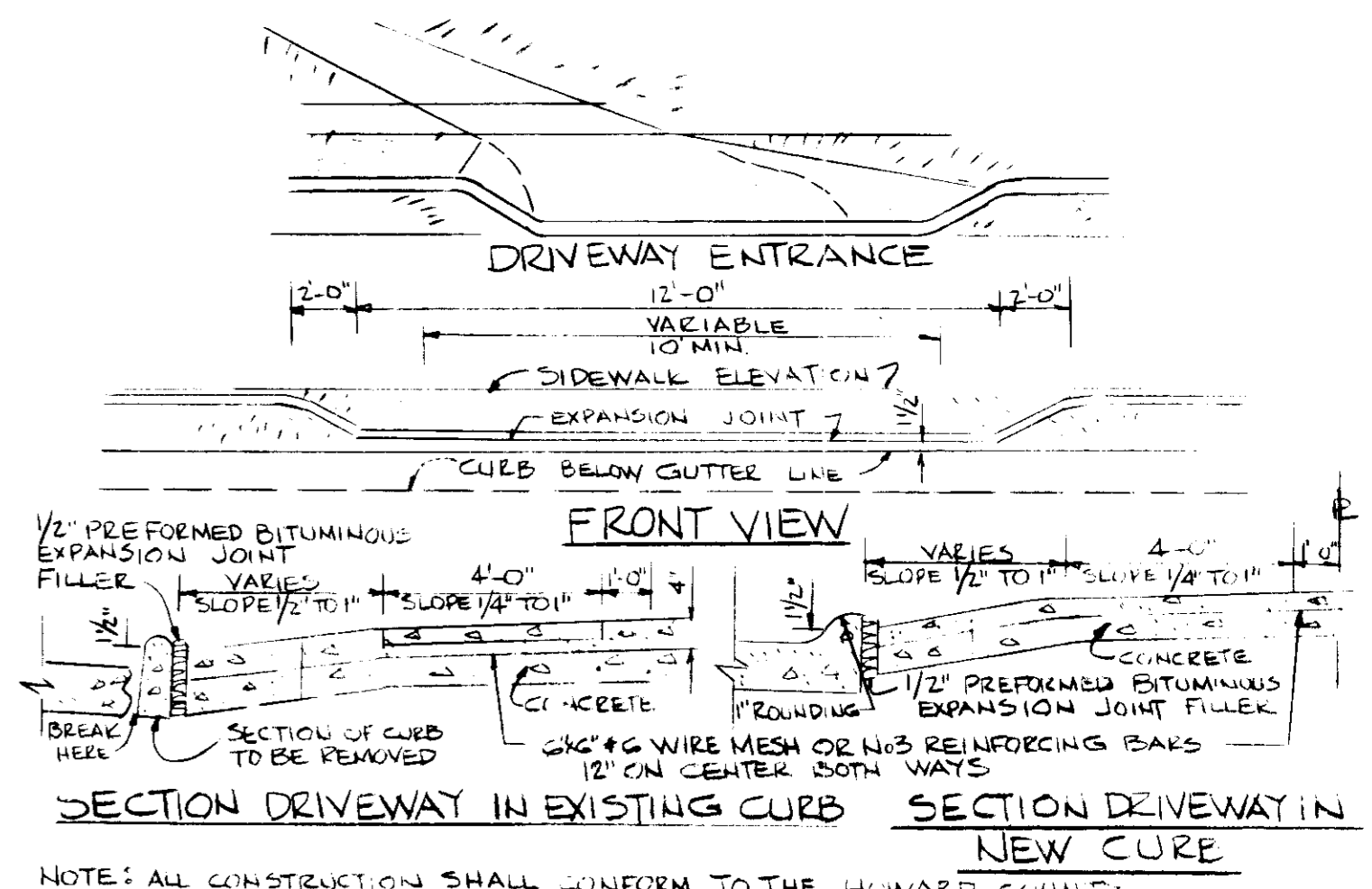
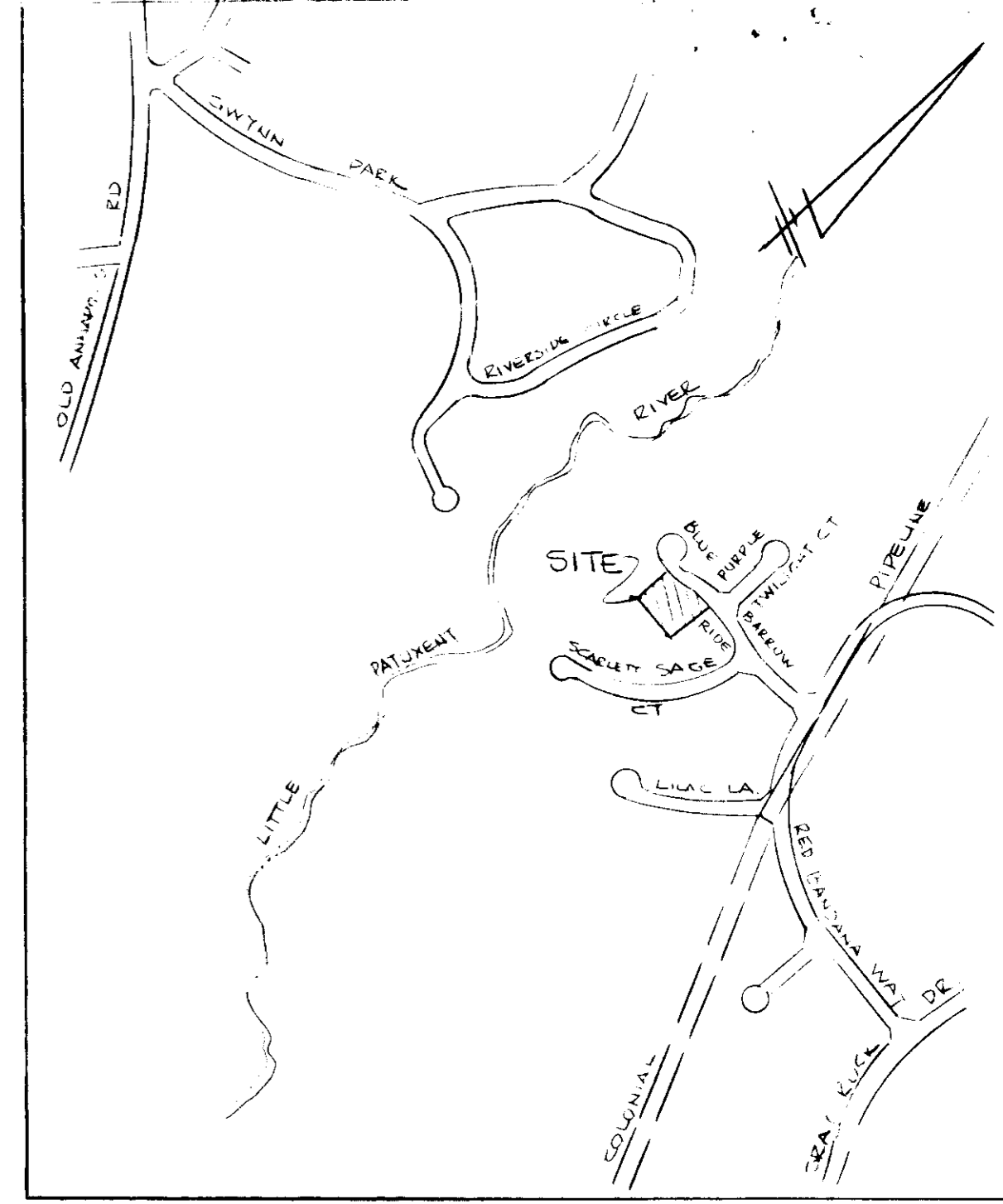
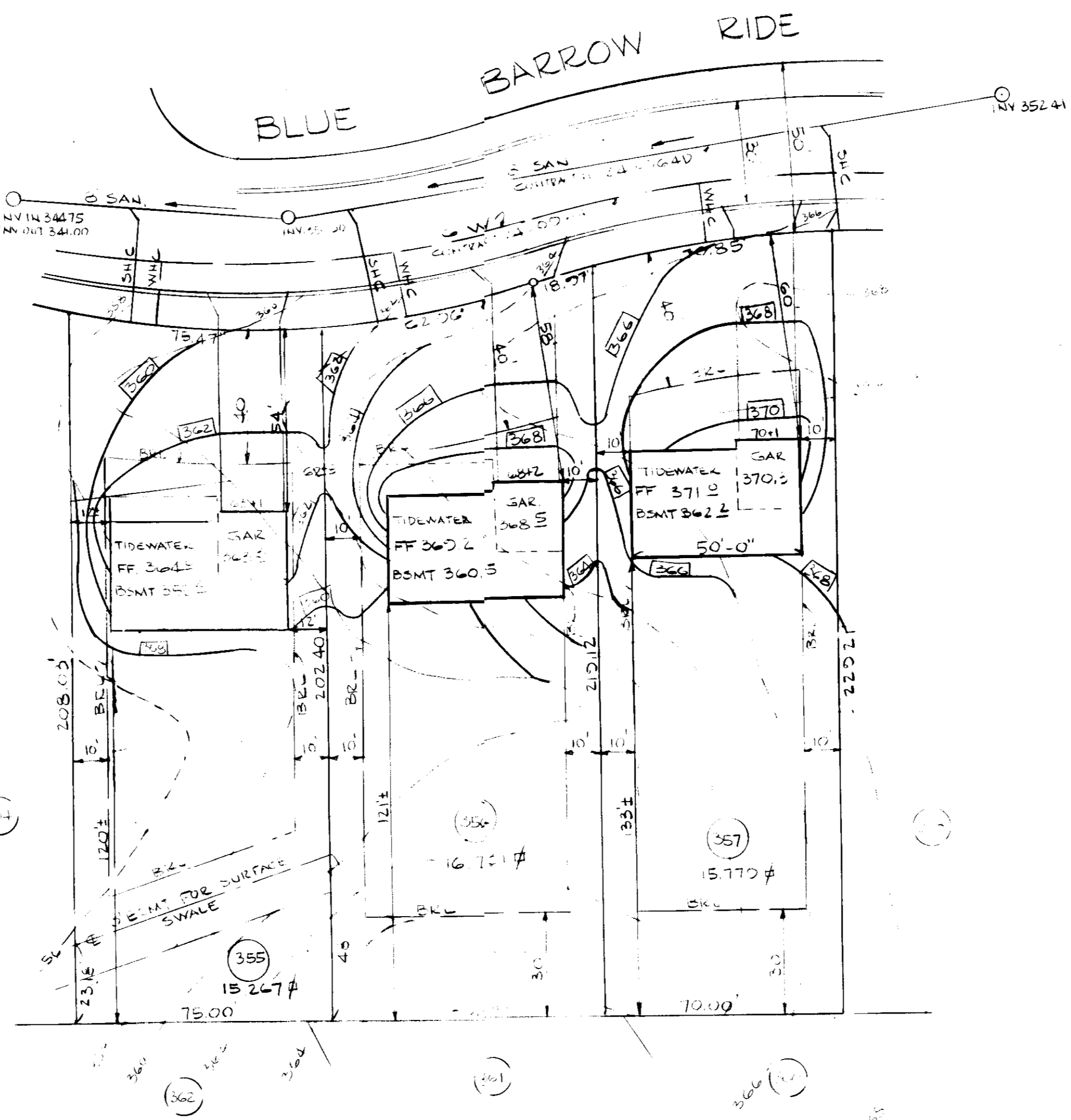


CONSTRUCTION SCHEDULE			
DESCRIPTION OF WORK	FROM DAY NO.	TO DAY NO.	TOTAL N. DAYS
OBTAIN GRADING PERMIT	1	1	1
INSTALL SEDIMENT CONTROL DEVICE	1	4	3
CLEARING + RUGH GRADING	4	8	4
EXCAVATION FOR FOUNDATIONS	8	16	8
FOOTINGS + FOUNDATION WALLS	16	30	14
CONSTRUCT STRUCTURE	30	100	70
FINAL GRADING	100	106	6
EFFECTIVE STABILIZATION	106	130	24

NOTE:
 1. OBTAIN GRADING PERMIT
 2. ADJUST CONSTRUCTION SCHEDULE DUE TO INCREMENT WEATHER
 3. ALL DISTURBED AREAS TO BE STABILIZED WITHIN 180 DAYS.
 4. APPROXIMATE STARTING DATE: SEPT 24, 1984
 5. STREET TREES ARE REQUIRED IN ACCORDANCE WITH SECTION 16.121 OF THE LAND DEVELOPMENT AND SUBDIVISION REGULATIONS. THE RESPONSIBILITY FOR PLANTING SHALL BE THE DEVELOPER.
 6. W.O.D. DENOTES WALK-OUT-DOOR IN BSMT.



NOTE: FOR LOT 357 USE A TIDEWATER 30'-0" LONG (1'-4" SHORTER THAN HOUSE PLANS) FROM GARAGE SIDE

- SITE ANALYSIS
1. PRESENT ZONING R-20
 2. TOTAL NUMBER OF LOTS 3
 3. TOTAL AREA OF LOTS 47,767 SF ± OR 1.10 AC ±
 4. TOTAL AREA TO BE DISTURBED 27,000 SF ± OR 0.62 AC ±
 5. TOTAL AREA TO BE REVEGETATED 13,000 SF ± OR 0.44 AC ±

ADDRESS CHART	
LOT No.	STREET ADDRESS
355	4257 BLUE BARROW RIDE
356	4255
357	4225 BLUE BARROW RIDE

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 10-30-84
 MS/270

APPROVED: HOWARD COUNTY OFFICE OF PLANNING + ZONING
 Acting Director: *Small Bandle* 11-23-84
 Chief, Division of Land Develop + Zoning Admin.: *Louis F. Que* 11-23-84
 APPROVED: FOR PUBLIC WATER + PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 County Health Officer: *James Boyd* 11-21-84
 APPROVED: FOR PUBLIC WATER, PUBLIC SEWER, STORM DRAINAGE SYSTEMS + PUBLIC ROADS, HOWARD COUNTY DEPT. OF PUBLIC WORKS.
 Director: *James F. Neuman* 11-16-84
 Chief Bureau of Engineering: *James F. Neuman* 11-16-84

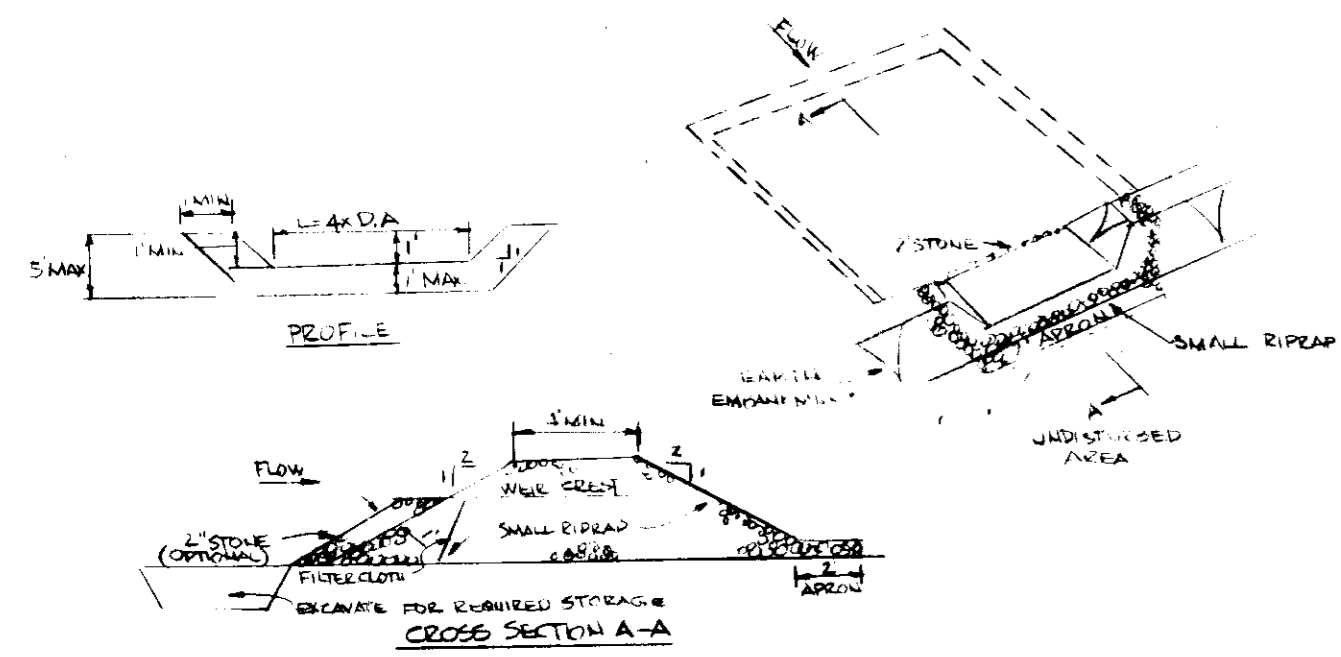
CERTIFICATION BY DEVELOPER
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION + SEDIMENT CONTROL + THAT ALL RESPONSIBLE PERSONNEL INVOLVED WITH THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT + EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.
 Signature: *Harry O. Rowin* 10-1-1984

CERTIFICATION BY ENGINEER
 I CERTIFY THAT THIS PLAN OF DEVELOPMENT + PLAN FOR EROSION + SEDIMENT CONTROL REPRESENTS A PRACTICAL + WORKABLE PLAN BASED ON MY KNOWLEDGE OF THE SITE CONDITIONS + THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: *Walter Park* 10-1-1984

APPROVED FOR HOWARD COUNTY DEPT. OF NATURAL RESOURCES + SOIL CONSERVATION DISTRICT + MEETS ALL REQUIREMENTS.
 Signature: *Thomas M. ...* 11-14-84
 APPROVED FOR SOIL EROSION + SEDIMENT CONTROL, HOWARD COUNTY DEPT. OF NATURAL RESOURCES + SOIL CONSERVATION DISTRICT.
 Signature: *Stephen R. ...* 11/14/84
 OWNER + DEVELOPER: NU-HOMES, 5534 OLD RTE 32, COLUMBIA, MARYLAND 21046
 SURVEYOR + ENGINEER: HUDKINS ASSOCIATES INC., 231 JOSEPH SQUARE, 5455 HARPEL FARM ROAD, COLUMBIA, MARYLAND 21044

SITE DEVELOPMENT PLAN AND SEDIMENT CONTROL PLAN
 LOTS 355, 356 + 357
 DORSEY HALL
 SECTION 1 AREA 5
 2ND ELECTION DISTRICT, HOWARD CO. MD
 SCALE: 1" = 30'
 OCT 2, 1984
 SDP 85-62

STONE OUTLET SEDIMENT TRAP

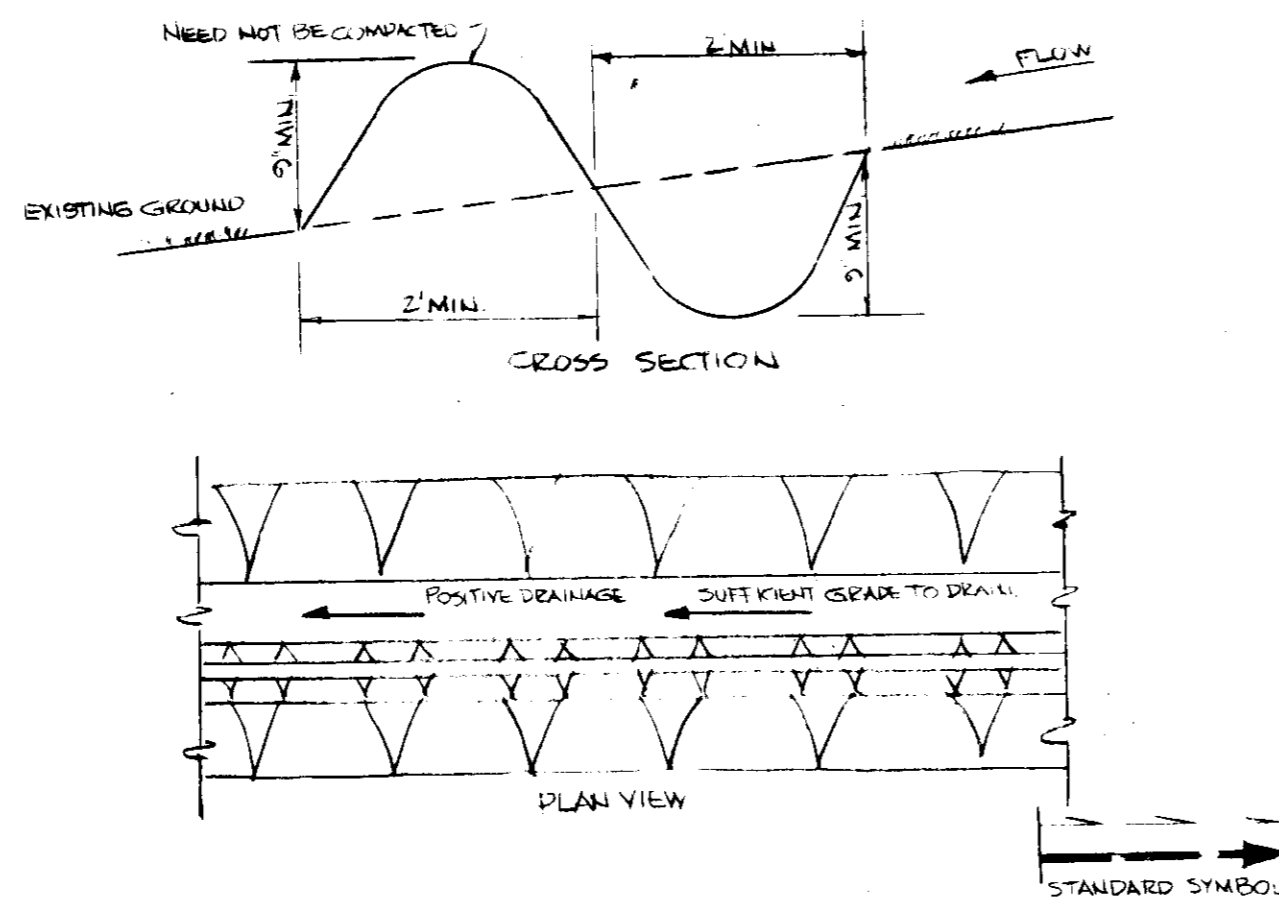


OPTION: A ONE FOOT LAYER OF 2" STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP IN PLACE OF THE EMBEDDED FILTER CLOTH.

CONSTRUCTION SPECIFICATIONS

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 2"-6" ALONG WITH 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-DRAVE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP.
6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED. MAXIMUM DRAINAGE AREA: 5 ACRES.

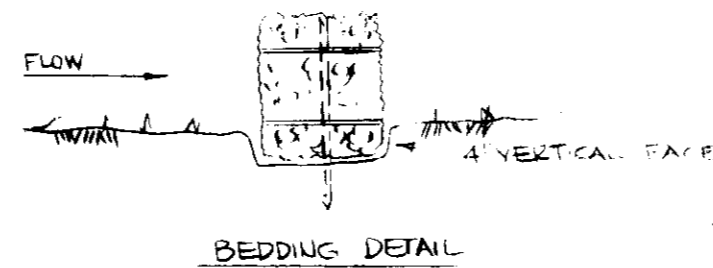
PERIMETER DIKE SWALE
NOT TO SCALE



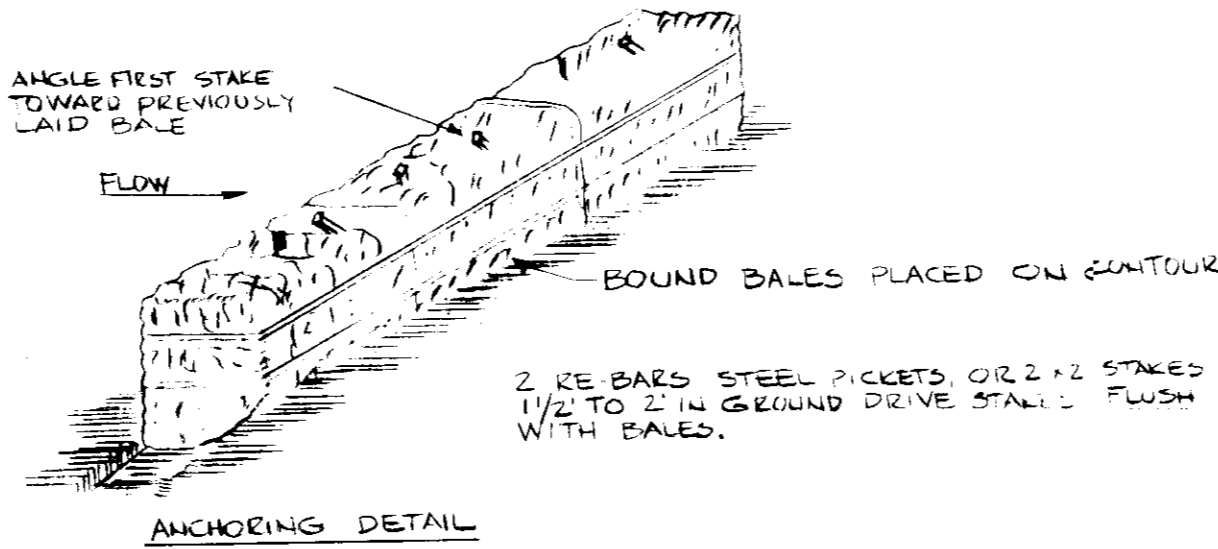
CONSTRUCTION SPECIFICATIONS

1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
 2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVERTED TO A SEDIMENT TRAPPING DEVICE.
 3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET TO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
 4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE GRADE AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
 5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SEED AND STRAW MULCH, AND SHALL BE DONE WITHIN 15 DAYS.
 6. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN.
- MAXIMUM DRAINAGE AREA LIMIT: 2 ACRES

STRAW BALE DIKE



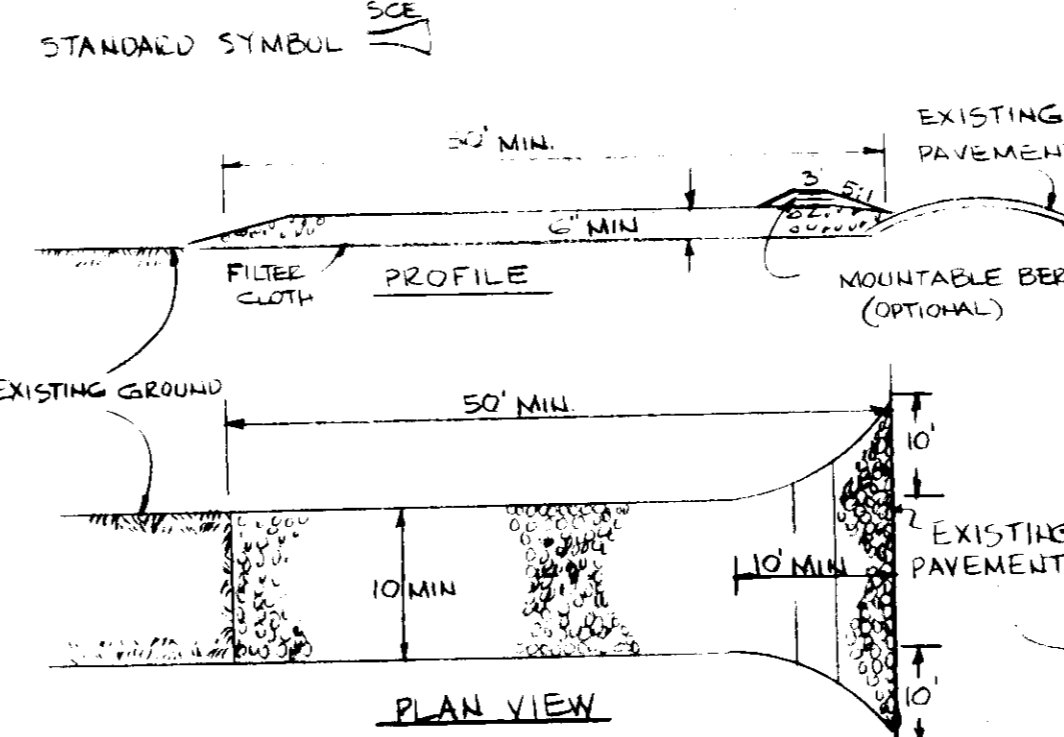
STANDARD SYMBOL



CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4" INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

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 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN 5 1/2" (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 - 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 DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT OUT TO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES 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. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
SEEDBED PREPARATION - LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (32 LBS/1000 SF) AND 600 LBS PER ACRE 0-20-20 FERTILIZER (14 LBS/1000 SF). HARROW OR DISC LIME AND FERTILIZER INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING APPLY 400 LBS PER ACRE (0.2 LBS/1000 SF) OF 36-0-0 UREA FORM FERTILIZER AND 500 LBS PER ACRE (115 LBS/1000 SF) OF 10-20-20 FERTILIZER.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (14 LBS/1000 SF) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY THRU JULY 31, SEED WITH 60 LBS PER ACRE (14 LBS/1000 SF) OF WEeping LOVEGRASS. 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 SOLO OPTION (3) - SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TON/ACRE WELL ANCHORED STRAW.

MULCHING APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SF) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1000 SF) OF EMULSIFIED ASPHALT ON FLAT AREAS ON SLOPE 5 FEET OR HIGHER, USE 348 GALLONS PER ACRE (5 GALLONS/1000 SF) FOR ANCHORING.

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

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION - LOOSEN UPPER 3 INCHES BY DISCING, RAKING, OR OTHER ACCEPTABLE MEANS.

SOIL AMENDMENTS - APPLY 600 LBS PER ACRE (15 LBS/1000 SF) OF 10-20-20 FERTILIZER.

SEEDING FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOV 15, SEED WITH 2 1/2 BUSHEL PER ACRE (32 LBS/1000 SF) OF ANNUAL RYE. FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS/ACRE (0.07 LBS/1000 SF) OF WEeping LOVEGRASS.

MULCHING APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SF) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1000 SF) OF EMULSIFIED ASPHALT ON FLAT AREAS ON SLOPES 5 FEET OR HIGHER, USE 348 GALLONS PER ACRE (5 GALLONS/1000 SF) FOR ANCHORING.

GENERAL NOTES:

1. REFER TO USDA SOIL CONSERVATION SERVICE "STANDARD SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL IN DEVELOPING AREAS" FOR STANDARD DETAILS & DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
2. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN BE MADE TO INSURE THE CONTINUAL OF ANY SEDIMENT CHANGES IN SEDIMENT CONTROL PRACTICE REQUIRED PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.
3. AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICE SHALL BE INSPECTED & LEFT IN OPERATIONAL CONDITION.
4. ALL TRAPS SHOWN HEREON MUST BE FENCED AND WORKING SIGN POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOLUME CHAPTER 12 OF THE HOWARD CO DESIGN MANUAL FOR STORM DRAINAGE.
5. ANY CHANGE TO THE GRADING ON THIS PLAN REQUIRED, RESUBMISSION FOR APPROVAL.
6. DUST CONTROL SHALL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO USDA SOIL CONSERVATION SERVICE "STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS" PP 62.01 & 62.02 FOR ACCEPTABLE MEANS SPECIFICATIONS FOR DUST CONTROL.
7. ANY VARIATIONS FROM THE SEQUENCE OF OPERATIONS SHOWN ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR & THE HOWARD CO. SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
8. 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 AND (14) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY MARYLAND
DATE 10-30-84
MS, JFD

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT & MEETS TECHNICAL REQUIREMENTS

James M. Nelson
U.S. SOIL CONSERVATION SERVICE
DATE 11-17-84

APPROVED FOR SOIL EROSION & SEDIMENT CONTROL, HOWARD SOIL CONSERVATION DISTRICT
Stephen A. Huber
SIGNATURE
DATE 11/17/84

OWNER & DEVELOPER
NU-HOMES
9501 OLD RTE 32
COLUMBIA MARYLAND
21046

SURVEYORS & ENGINEERS
HUDKINS ASSOCIATES INC.
231 JOSEPH SQUARE
3488 HARVEY FARM ROAD
COLUMBIA, MARYLAND 21044

SITE DEVELOPMENT PLAN AND SEDIMENT CONTROL PLAN
LOTS 355, 356 & 357
DORSEY HALL
SECTION 1 AREA 5
2ND ELECTION DISTRICT, HOWARD CO. MD.
SCALE: 1" = 30'
OCT 7, 1984

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
James F. Bender
PLANNING DIRECTOR
DATE 11-23-84
Louis F. Quinn
ACTIVE CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMIN
DATE 11-23-84
Jayman Bogdanos
CHIEF OF HEALTH OFFICER
DATE 11-21-84
APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
John N. ...
DIRECTOR
DATE 11-21-84
...
CHIEF, BUREAU OF ENGINEERING
DATE

CERTIFICATION BY DEVELOPER
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION & SEDIMENT CONTROL & THAT ALL RESPONSIBLE PERSONNEL INVOLVED WITH THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT & EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC VISUAL INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.
James O. ...
SIGNATURE
DATE 10-1-1984

CERTIFICATION BY ENGINEER
I CERTIFY THAT THIS PLAN OF DEVELOPMENT & PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL & WORKABLE PLAN BASED ON MY KNOWLEDGE OF THE SITE CONDITIONS & THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
...
DATE