

LAYOUT \_\_\_\_\_ INSP 4 \_\_\_\_\_  
INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 6/2/2006

P 524494

APPROVAL DATE: 6/13/06

A 541579

# PERMIT

INDEXED

TAX ID #05-411548

## ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

Hatfields Equipment IS PERMITTED TO INSTALL  ALTER

ADDRESS: P.O. Box 519 Annapolis Junction PHONE NUMBER: 301854-6172

SUBDIVISION: Warfields LOT NUMBER: 4

ADDRESS: 14325  
14355 Howard Road PROPERTY OWNER: NVR Inc./ Ryan Homes

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): n/a COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 150 HOUSE SERVED BY PUBLIC WATER

|           |  |
|-----------|--|
| TRENCHES: | Trench to be 3.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 3.0 feet of stone below distribution pipe.                    |
| LOCATION: | Trench layout to be determined at pre-construction inspection. Okay to extend trenches out of SDA for 1 <sup>st</sup> system. Verify topo in field & assess gentle swale running along western side of SDA; may need soil evaluation hole. |
| NOTES:    | Ensure 25' set back from steep slopes (25%) & maintain perimeter boundary around SDA to prevent grading encroachment along western SDA line.   |

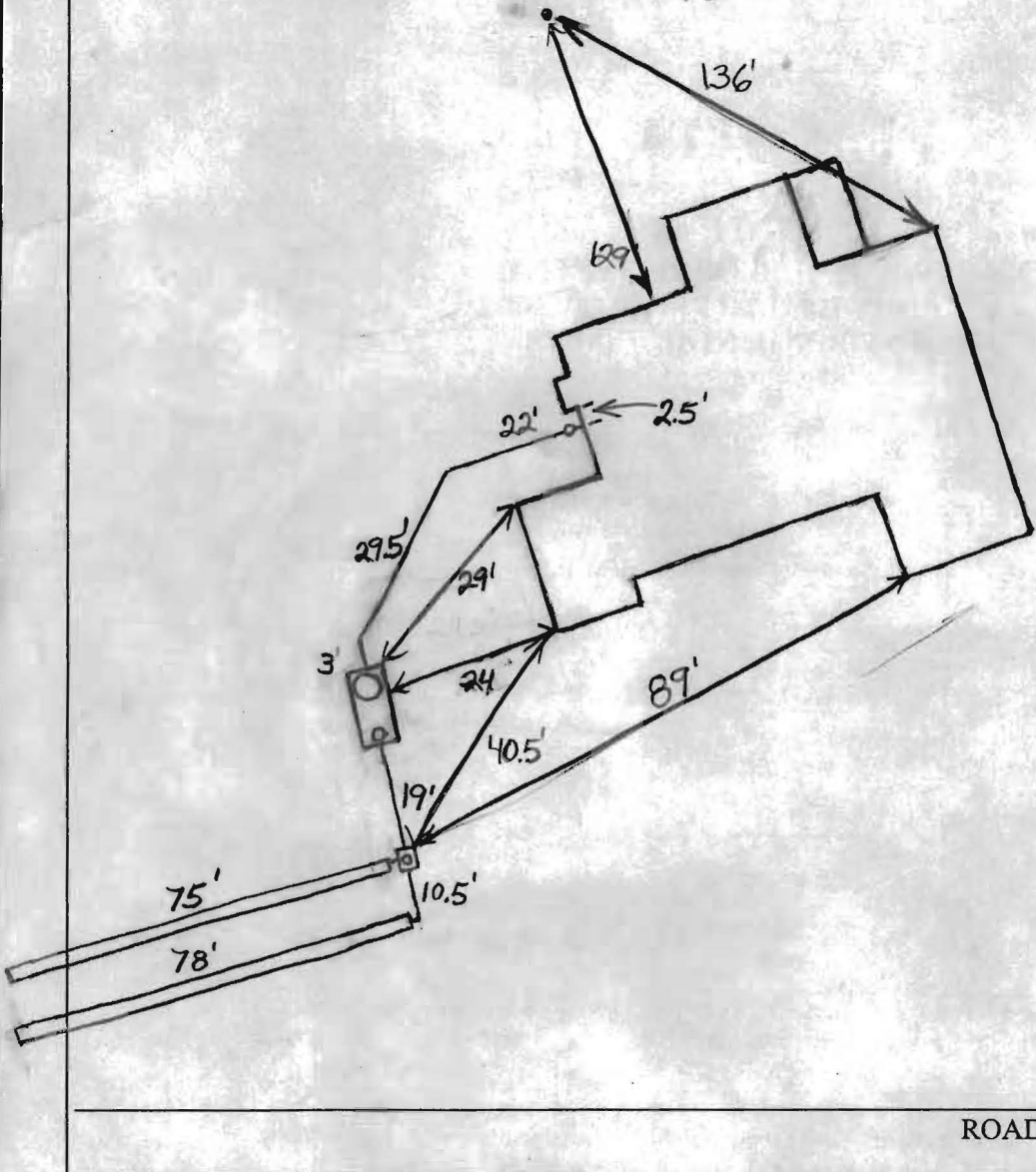
PLANS APPROVED: Kevin Bell Reviewed by: \_\_\_\_\_ DATE: 2/8/06

NOTES: PERMIT VOID AFTER 2 YEARS  
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
WATERTIGHT SEPTIC TANKS REQUIRED  
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS  
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

541579

NOT TO SCALE  
HO-95-0148



| TRENCH/DRAINFIELD DATA  |         |                |
|-------------------------|---------|----------------|
| WIDTH                   | INLET   | BOTTOM         |
| 3'                      | 3'-3.5" | 6.5'           |
| NUMBER OF TRENCHES      |         | 2              |
| TOTAL LENGTH            |         | 153'           |
| ABSORPTION AREA         |         | 459 ± Sidewalk |
| DISTRIBUTION BOX LEVEL  |         | Levelers       |
| DISTRIBUTION BOX BAFFLE |         | Yes            |
| DISTRIBUTION BOX PORT   |         | Yes            |

| SEPTIC TANK DATA    |           |
|---------------------|-----------|
| SEPTIC TANK 1 LEVEL | Yes       |
| CAPACITY            | 1500 GAL  |
| SEAM LOC            | Top       |
| TANK LID DEPTH      | 1.5'      |
| BAFFLES             | Yes       |
| BAFFLE FILTER       | No        |
| MANHOLE LOC         | Front     |
| 6" PORT LOC         | Rear      |
| WATERTIGHT TEST     | No        |
| SEPTIC TANK 2 LEVEL | N/A       |
| CAPACITY            | _____ GAL |
| SEAM LOC            | _____     |
| TANK LID DEPTH      | _____     |
| BAFFLES             | _____     |
| BAFFLE FILTER       | _____     |
| MANHOLE LOC         | _____     |
| 6" PORT LOC         | _____     |
| WATERTIGHT TEST     | _____     |

PRE-CONSTRUCTION \_\_\_\_\_

INSTALLATION \_\_\_\_\_

FINAL INSPECTOR B. Baker DATE OF APPROVAL 6/13/06

**SEDIMENT CONTROL NOTES**

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (3/15/05).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT HAVILAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS FOR ALL PERMETER SEDIMENT CONTROL STRUCTURES, DRAINAGE DITCHES AND ALL SLOPES STEEPER THAN 3:1. IN 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAP/BAINS SHALL BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH MANUAL CHAPTER 12. OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITH THE PROVISIONS SPECIFIED ABOVE IN ACCORDANCE WITH THE 1984 HAVILAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEE 20, 200 DEC. 58), TEMPORARY SEEDING (SEE 20, AND REPAIRING (SEE 20). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR SOIL EROSION AND SEDIMENT CONTROL FROM THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION.
- SITE ANALYSIS:
  - TOTAL AREA OF SITE: 3.000 ACRES
  - AREA TO BE GRADED OR PAVED: 0.904 ACRES
  - AREA TO BE VEGETATIVELY STABILIZED: 0.726 ACRES
  - AREA TO BE VEGETATIVELY STABILIZED: 0.374 ACRES
  - TOTAL CUT: 978 CUBIC YDS.
  - OFFSITE WASTE/STORMWATER LOCATION: N/A
- ANY SEDIMENT CONTROL PRACTICES WHICH ARE PRESCRIBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION.
- ON ALL SITES WITH DISTURBED AREAS OF 2+ ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE OBTAINED UPON COMPLETION OF INSTALLATION OF PERMANENT SEDIMENT CONTROL MEASURES. APPROVALS MAY NOT BE WITHHELD UNTIL THE INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- REQUIREMENTS FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LINES OR THAT WHICH SHALL BE ENCASED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

**TEMPORARY SEEDING NOTES**

- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RESTORED 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 10-10-10 FERTILIZER @ 1/2" DEPTH.
- SEEDING:**  
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 17 BUAGRA PER ACRE @ 1/2" DEPTH. FOR THE PERIOD NOVEMBER 15 THROUGH FEBRUARY 28, 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 TO 2 TONS PER ACRE 00 TO 90 LBS./A/000 SFTZ OF UNWEIGHTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 200 GALLONS PER ACRE OF GAL/1000 SFTZ OF EMULSIFIED ASPHALT ON FLAT AREAS OR SLOPES OF FEET OR HIGHER. USE 3/8 GALLONS PER ACRE @ GAL/1000 SFTZ FOR ANCHORING.
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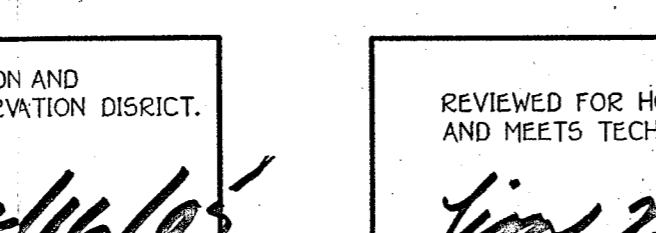
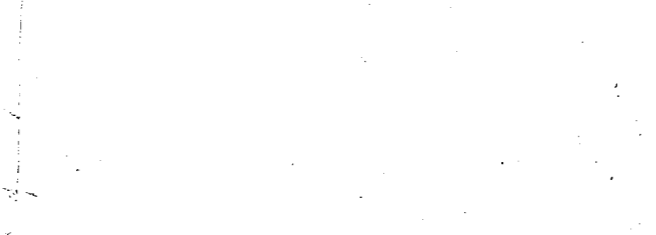
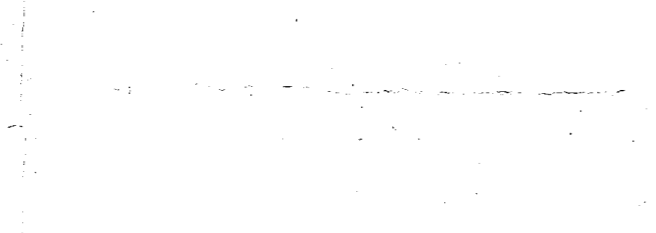
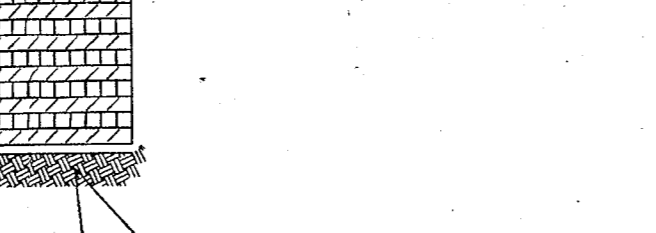
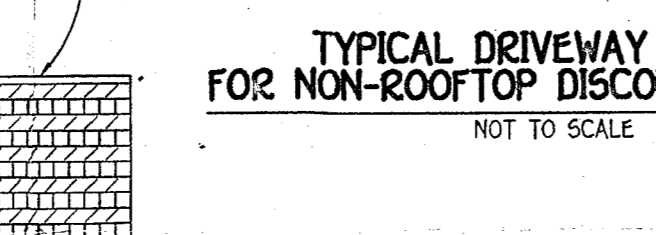
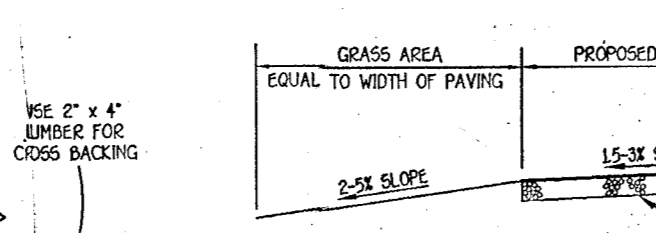
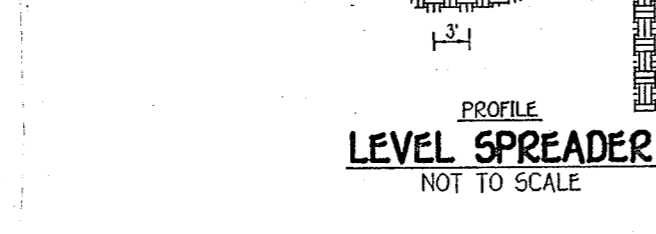
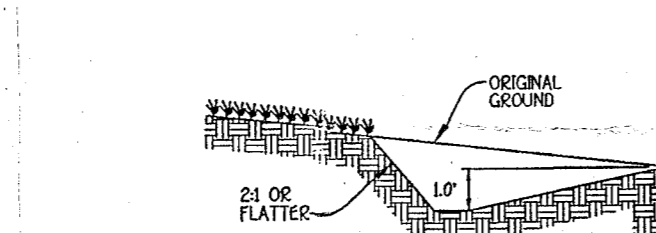
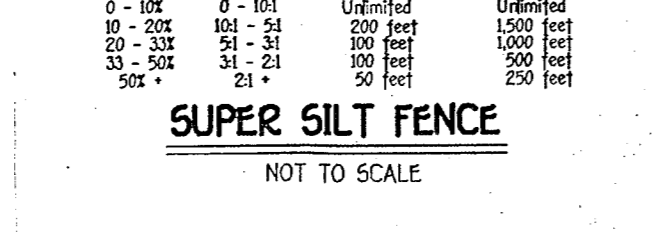
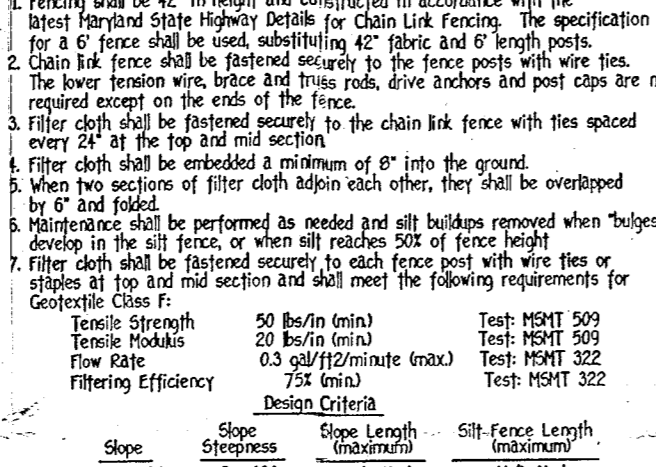
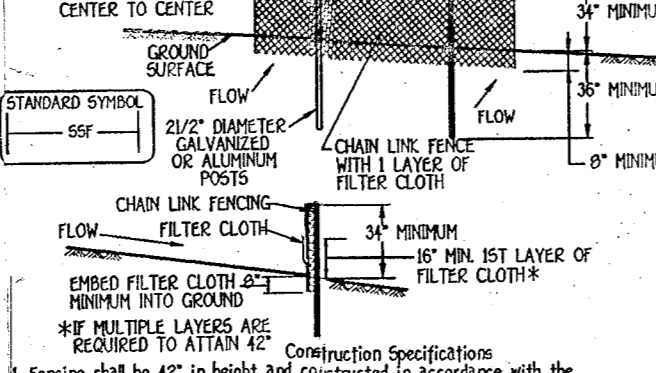
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 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 17 BUAGRA PER ACRE @ 1/2" DEPTH. FOR THE PERIOD NOVEMBER 15 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (2) - USE SOU, OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELLS ANCHORED STRAW. ALL SLOPES SHALL BE HYDROSEEDING.
- MULCHING:**  
 APPLY 1 1/2 TO 2 TONS PER ACRE 00 TO 90 LBS./A/000 SFTZ OF UNWEIGHTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 200 GALLONS PER ACRE OF GAL/1000 SFTZ OF EMULSIFIED ASPHALT ON FLAT AREAS OR SLOPES OF FEET OR HIGHER. USE 3/8 GALLONS PER ACRE @ GAL/1000 SFTZ FOR ANCHORING.
- PERMANENT SEEDING NOTES:**  
 ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:  
**SEEDING PREPARATION:**  
 LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

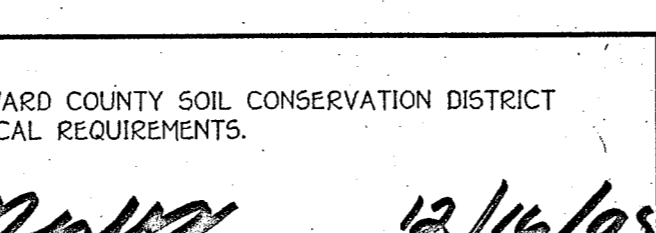
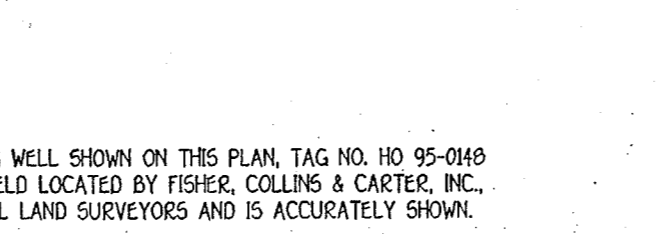
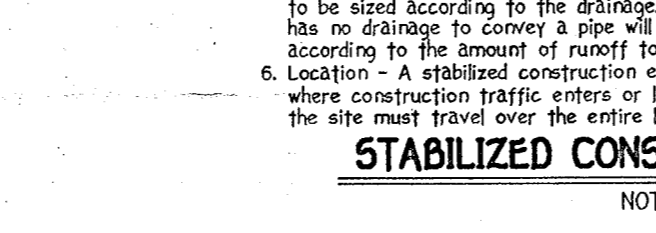
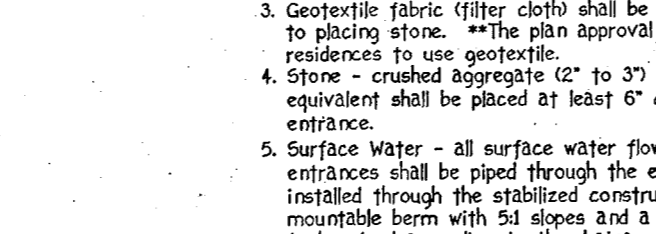
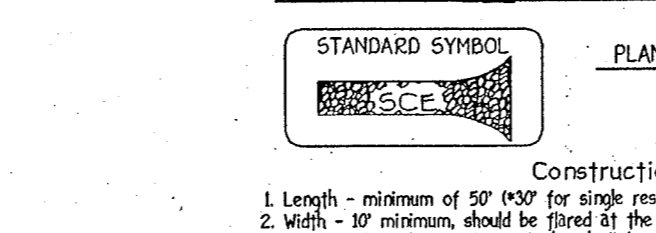
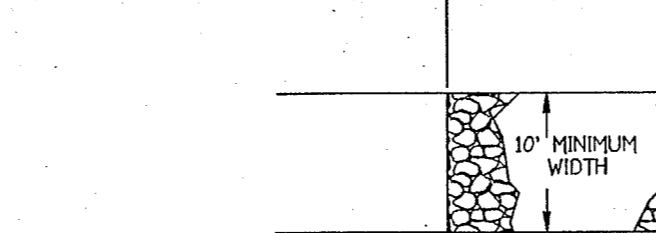
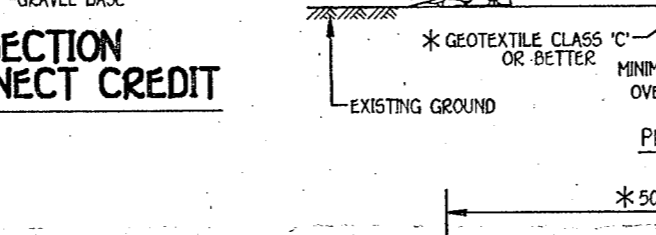
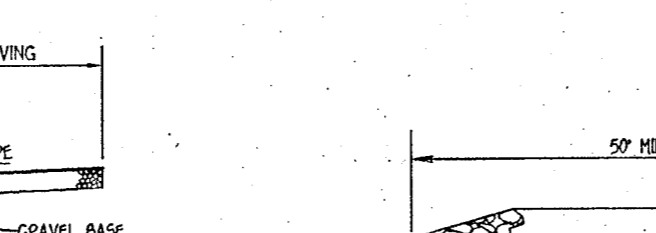
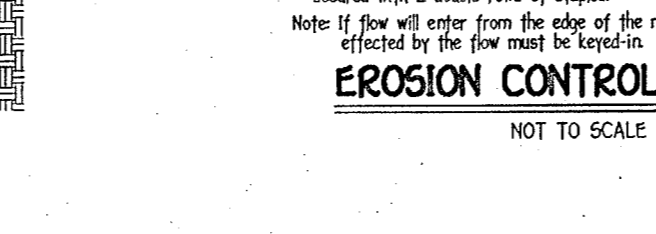
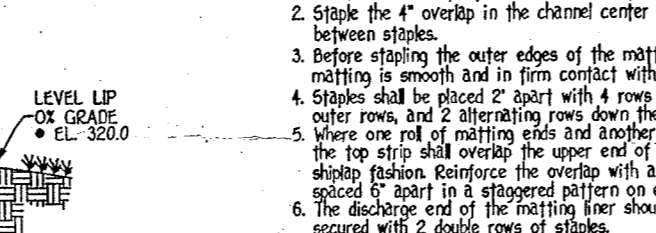
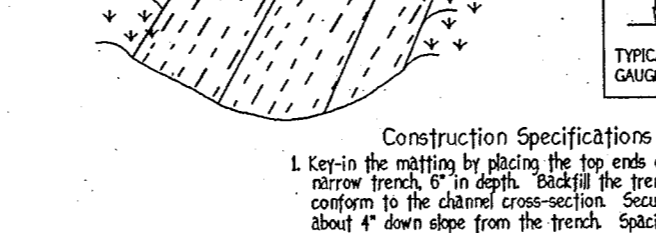
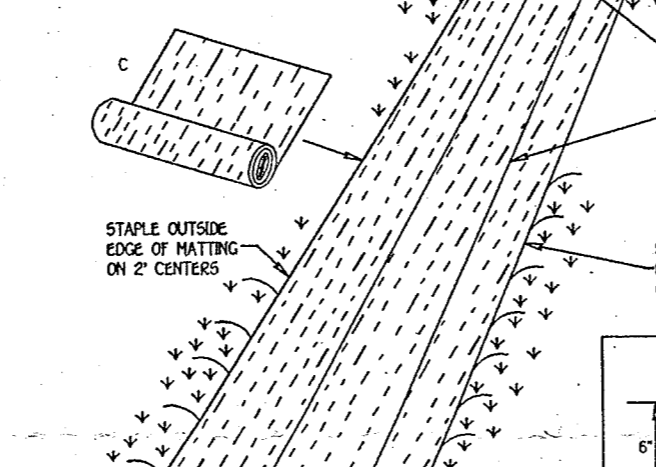
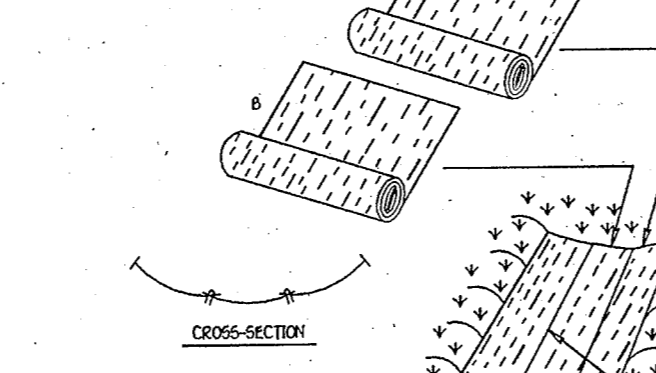
**PERMANENT SEEDING NOTES**

- ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:  
**SEEDING PREPARATION:**  
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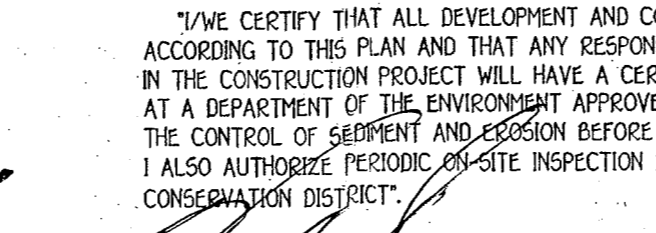
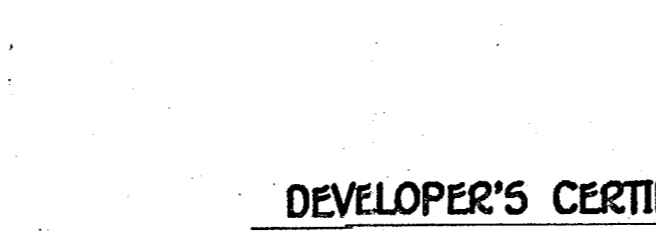
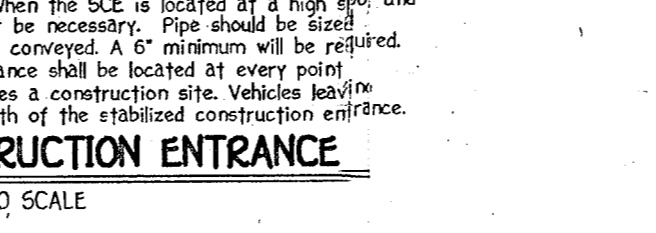
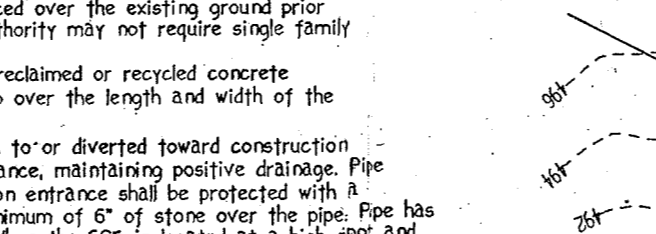
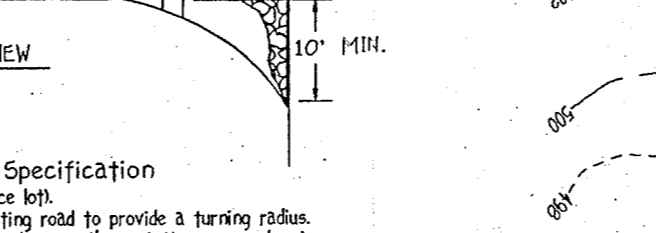
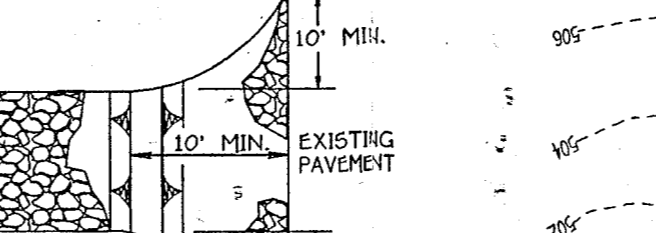
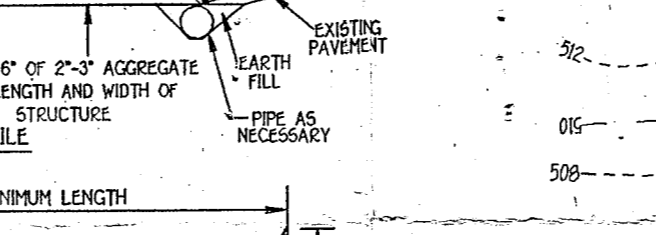
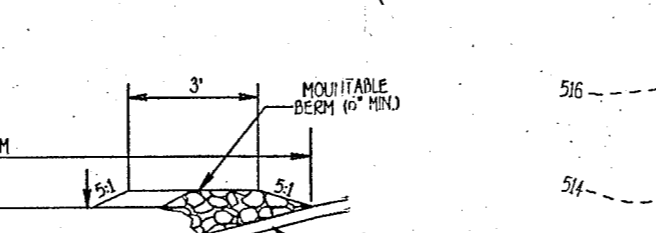
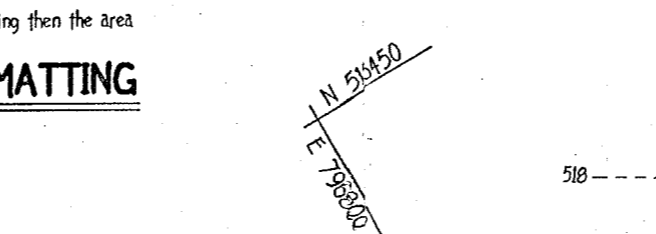
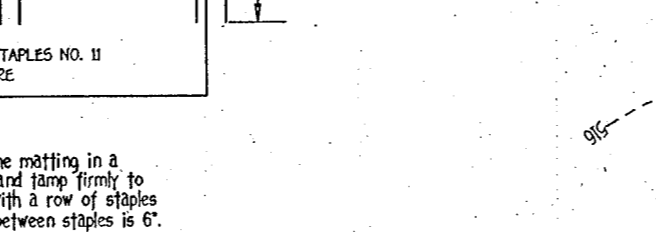
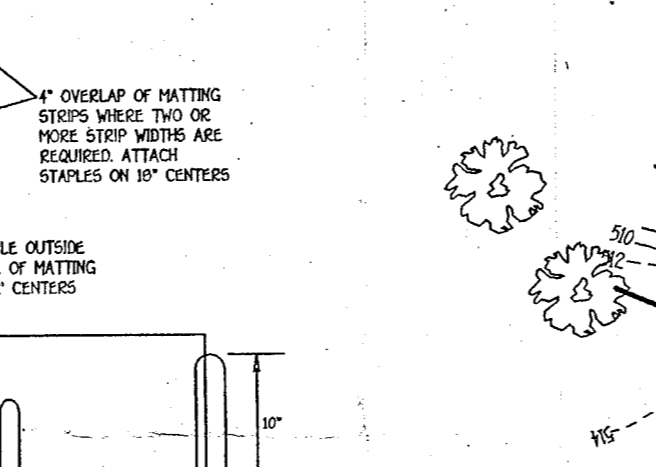
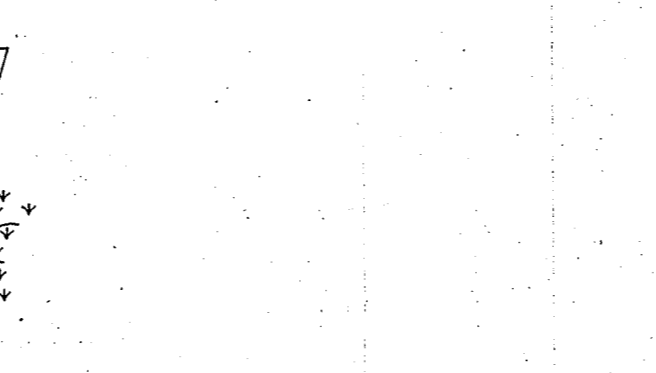
**SEDIMENT CONTROL NOTES**



**TEMPORARY SEEDING NOTES**



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