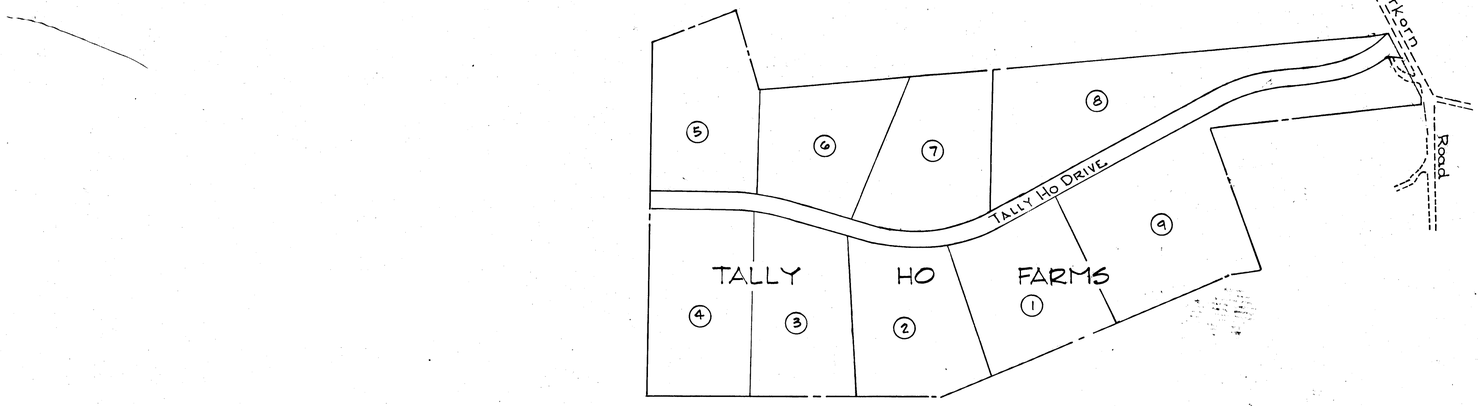
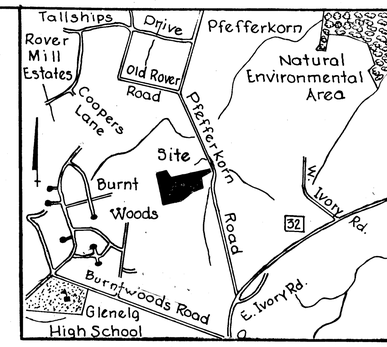
SHEET INDEX



PLAN

SCALE: 1"= 200'



Vicinity Map
Scale: 1"=2000'

HOWARD COUNTY SURVEY CONTROL STATIONS

3334001
3434001
3434002

GENERAL NOTES

1. All work shall be performed in accordance with the Specifications and also the Howard County Road Construction Code and Standard Specifications.
2. All utility companies shall be notified 24 hours in advance of Construction
3. TALLY HO DRIVE designed for 30 MPH speed limit in accordance with AASHTO standards.
4. Storm drain trenches within road rights of way shall be backfilled and compacted in accordance with Howard County Road Code
5. Approximate location of existing utilities are shown. The Contractor shall take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the Contractor's operations shall be repaired immediately at the Contractor's expense.
6. Temporary compacted 18" High Earth Fill Diversion Dikes shall be constructed above the lips of the fill slopes on R.O.W. concurrently with the initial grading and directed to undisturbed sod areas at the end of each day.
7. Contractor to notify the Howard County Dept. of Inspections and Permits at least 3 days before starting work on these drawings.
8. All disturbed slope areas to be stabilized as soon as grading is completed
9. All reinforced concrete for storm drain structures shall have minimum 28 days strength of 3500 psi.
10. All swales and slopes shall be permanently seeded See the seed specifications on sheet 7 of 7.
11. Traffic control devices and their installation shall be in accordance with the Manual on Uniform Traffic Control Devices 1971 Revised Edition
12. Poly Filter-X (filter cloth blanket) or equal shall be placed under all stone Rip rap (full width and length of stone). Stone shall be 6" d50 Rip Rap Stone. On site rock excavation may be substituted for the 6" d50 Rip Rap & shall be unpaved unless otherwise noted.

CERTIFICATION 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."

Lloyd E. Lipin 3-24-83
LIBERTY FARNANDIS Date

CERTIFICATION 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."

Lloyd E. Lipin 3-24-83
LLOYD E. LIPIN P.E. 8965 Date

LIBERTY ENGINEERING INC.
ENGINEERS
HARFORD COUNTY, MARYLAND

LLOYD L. LIPIN No. 8965
REGISTERED ENGINEER

STATE OF MARYLAND — LLOYD E. LIPIN — No. 8965 — REGISTERED PROFESSIONAL ENGINEER

DEPARTMENT OF PUBLIC WORKS
CHIEF, BUREAU OF ENGINEERING Date 5-2-83
OFFICE OF PLANNING AND ZONING
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION Date 5-2-83

OWNER- FARNANDIS FARM INCORPORATED
9095 FREDERICK ROAD
ELLICOTT CITY, MARYLAND
DEVELOPER- LIBERTY FARNANDIS ENTERPRIZES
9095 FREDERICK ROAD
ELLICOTT CITY, MARYLAND

Reviewed for Howard S.C.D.
and meets Technical Requirements
Signature Date 4-29-83
US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved _____ Date _____
HOWARD S.C.D.

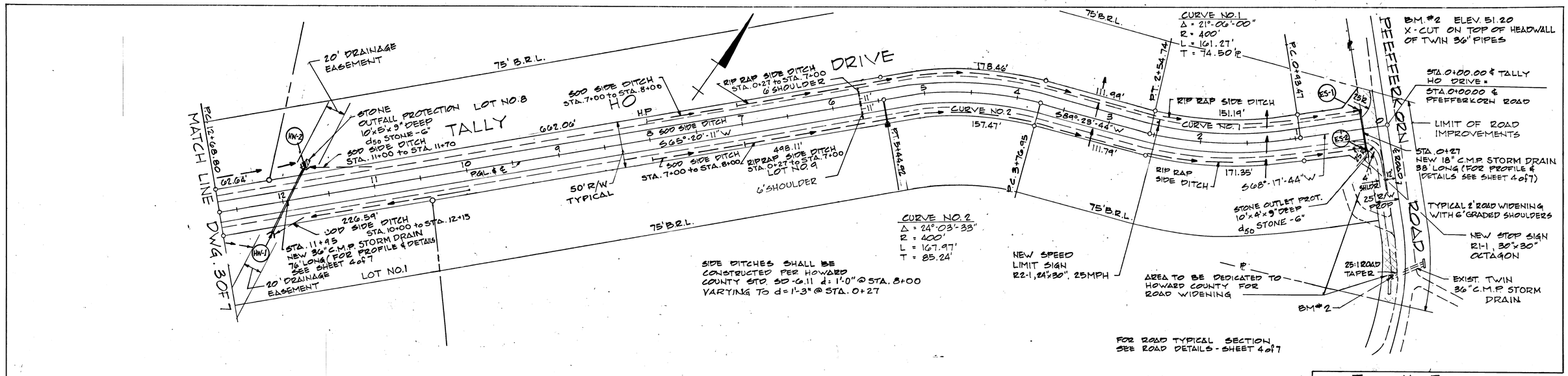
TALLY HO FARMS

ROAD CONSTRUCTION PLANS
LOCATED IN HOWARD COUNTY MARYLAND
3rd ELECTION DISTRICT- MAP 15 PARCEL No. 177
OWNER- FARNANDIS FARMS INCORPORATED
9095 FREDERICK ROAD
ELLICOTT CITY MARYLAND
DEVELOPER- LIBERTY FARNANDIS ENTERPRIZES
9095 FREDERICK ROAD
ELLICOTT CITY, MARYLAND

SCALE: AS SHOWN SHEET 1 OF 7
DATE: AUG 25, 1982

F-83-66

983



PLAN
SCALE: 1" = 50'

B.R.L. : BUILDING RESTRICTION LINE

DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING — DATE 5-12-83

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 5-2-83

ENGINEER

LIBERTY ENGINEERING INC.
2810 COLLEGE VIEW DRIVE
CHURCHVILLE, MARYLAND 21028

Lloyd E. Lipin
LLOYD E. LIPIN
REGISTERED ENGINEER
No. 8965

STATE OF MARYLAND — LLOYD E. LIPIN — No. 8965

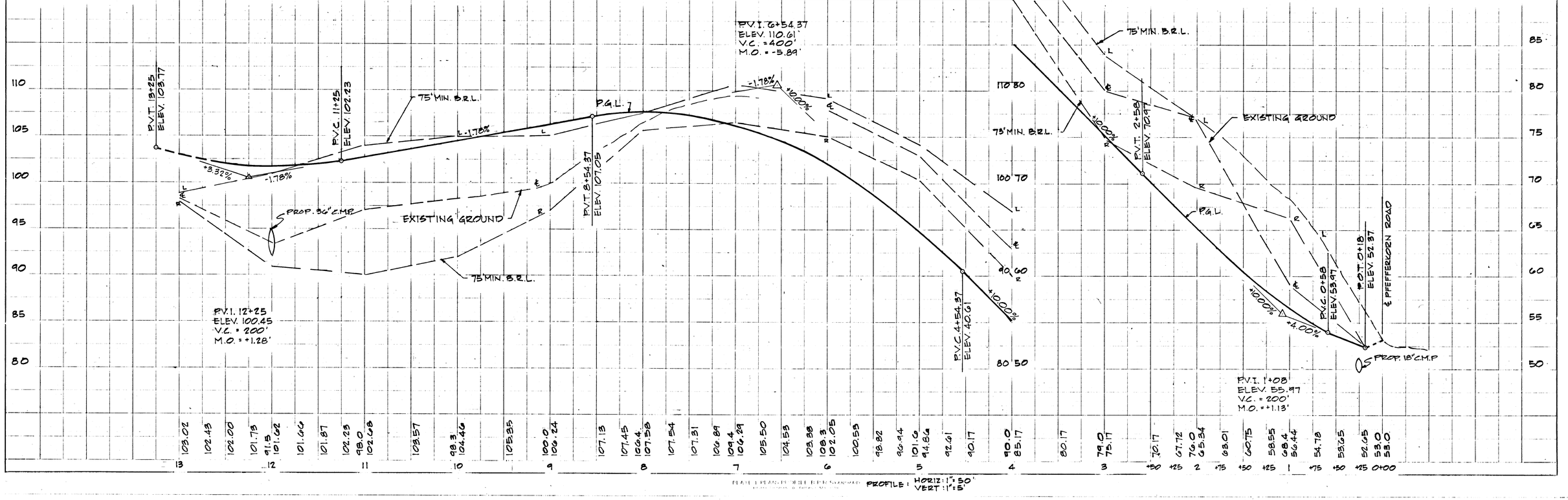
Rev. Date	Rev. No.	Revision Description

TALLY HO FARMS
3rd ELECTION DISTRICT
HOWARD COUNTY MARYLAND

OWNER: FARNANDIS FARMS INC.
DEVELOPER: LIBERTY FARNANDIS ENTERPRIZES

PROJECT TITLE:
TALLY HO FARMS
TALLY HO DRIVE SHEET 2 of 7

SCALE: AS SHOWN DATE: AUG. 25, 1981



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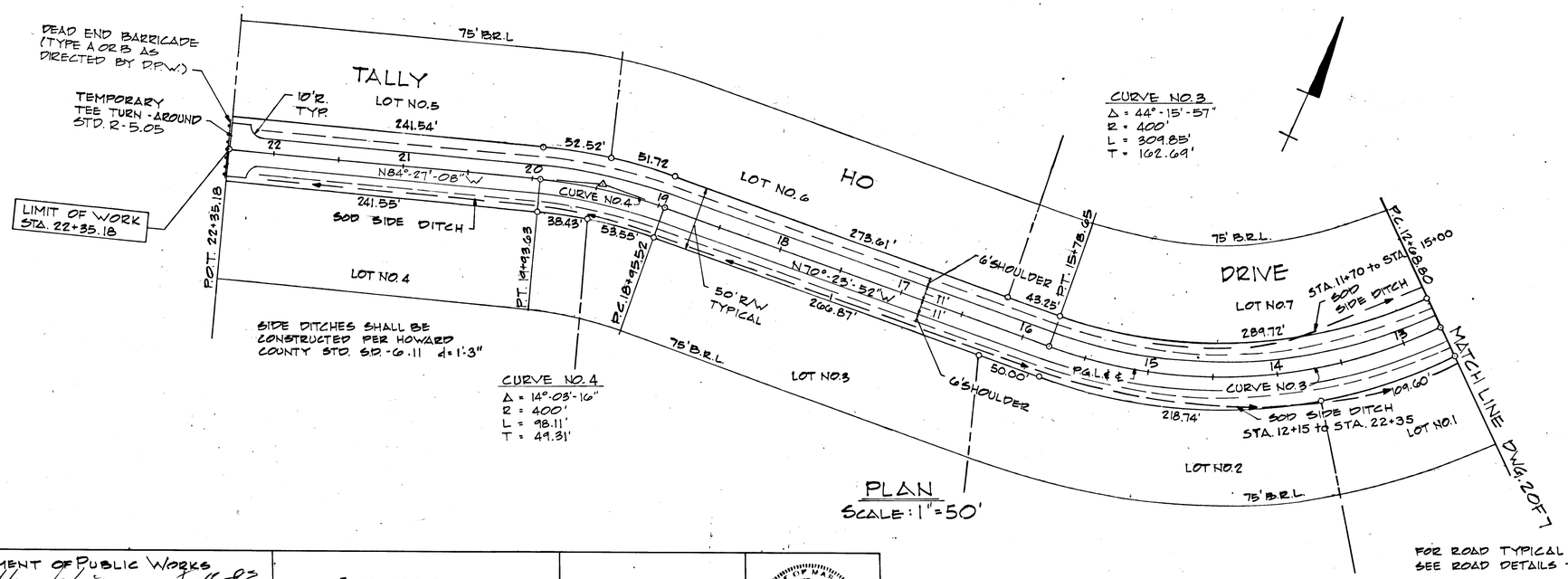
F-83-66



DEPARTMENT OF PUBLIC WORKS

CHIEF BUREAU OF ENGINEERING — DATE 7-18-83

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 52-85

ENGINEER

LIBERTY ENGINEERING INC.
2810 COLLEGE VIEW DRIVE
CHURCHVILLE, MARYLAND 21028

Lloyd E. Lipin
LLOYD E. LIPIN
REGISTERED ENGINEER
No 8965

STATE OF MARYLAND — LLOYD EDWARD LIPIN — REGISTERED PROFESSIONAL ENGINEER

Rev Date	Rev. No.	Revision Description

TALLY HO FARMS
3rd ELECTION DISTRICT
HOWARD COUNTY MARYLAND

OWNER: FARNANDIS FARMS INC.
DEVELOPER: LIBERTY FARNANDIS ENTERPRISES

PROJECT TITLE:
TALLY HO FARMS
TALLY HO DRIVE — SHEET 3 of 7

SCALE: AS SHOWN — DATE: AUG. 25, 1981

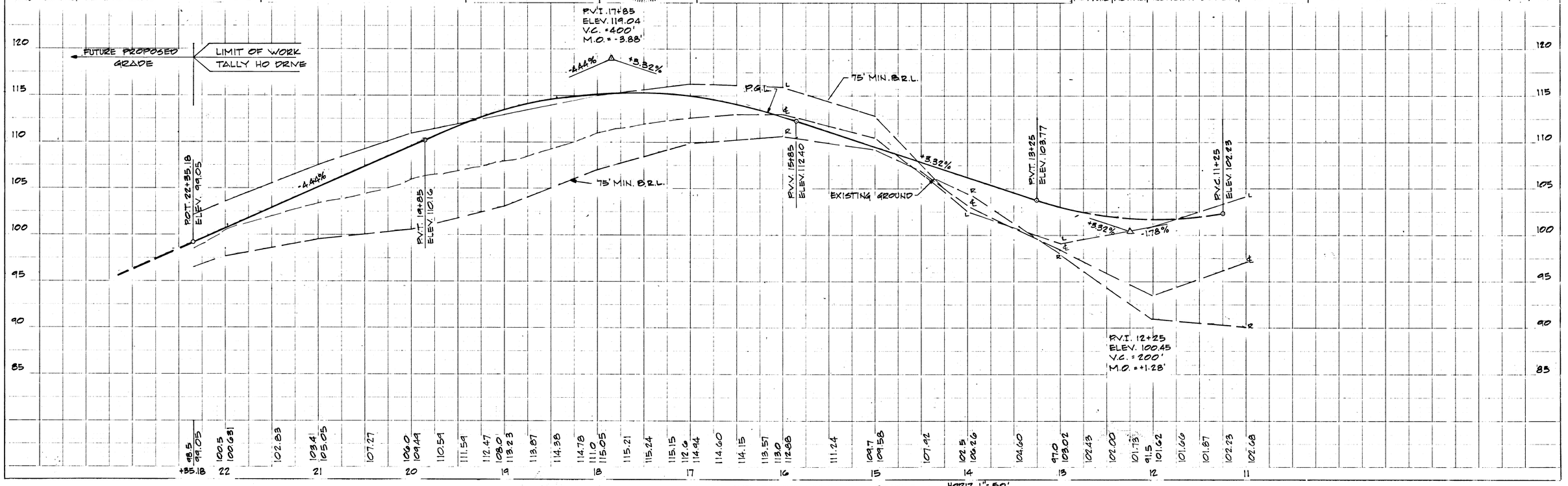
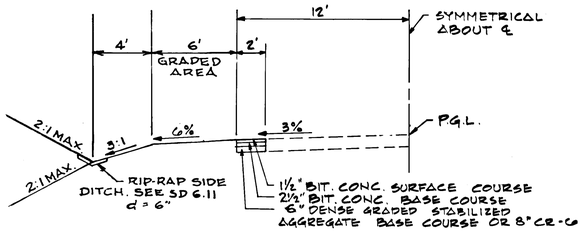


PLATE 1 PLAN-PROFILE PAPER STANDARD — PROFILE 1 HORIZ. 1"=50' VERT. 1"=5'

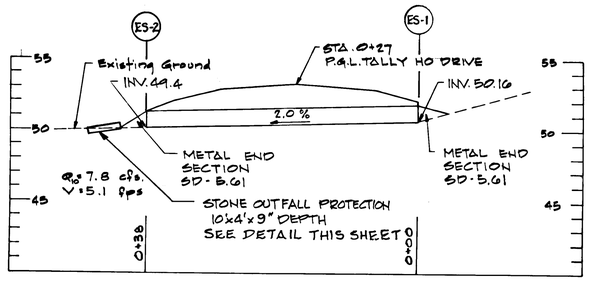
983

F-83-66

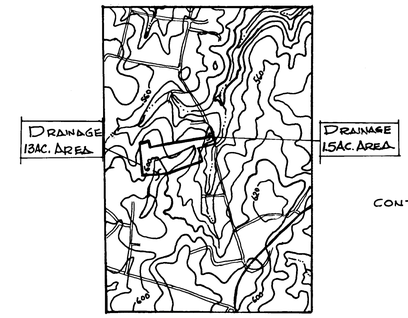
NOTE:
ALL GRADED SLOPES SHALL RECEIVE 2" TOPSOIL, SEED & MULCH



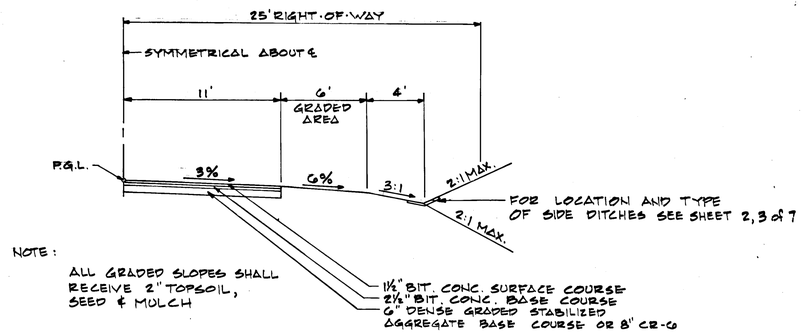
TYPICAL SECTION
WIDENING OF PFEFFERKORN ROAD
SCALE: 1" = 5'



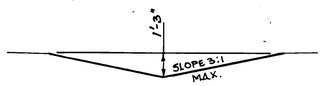
PROFILE
PROPOSED 18" ℄ C.M.P.
SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'



DRAINAGE MAP
SCALE: 1" = 800'

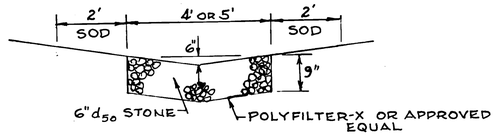


TYPICAL SECTION
TALLY HO DRIVE
SCALE: 1" = 5'

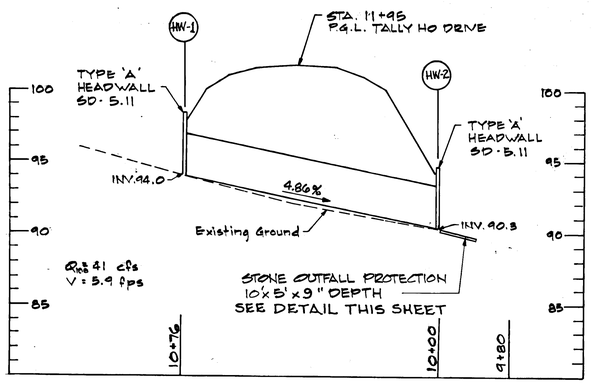


NOTE: ALL SOD TO BE STAKED WITH ½" × 1" × 12" WOOD STAKES ON 24" CENTERS BOTH WAYS.

SOD SIDE DITCH DETAIL
N.T.S.



STONE OUTFALL PROTECTION DETAIL
SCALE: 1" = 2'



PROFILE
PROPOSED 36" ℄ C.M.P., 14GA.
SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'

DEPARTMENT OF PUBLIC WORKS — 8-18-83
CHIEF, BUREAU OF ENGINEERING — DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — 5-2-83 — DATE

ENGINEER
LIBERTY ENGINEERING INC.
2810 COLLEGE VIEW DRIVE
CHURCHVILLE, MARYLAND 21028

Lloyd E. Lipin
LLOYD E. LIPIN
REGISTERED ENGINEER
NO. 8965

TALLY HO FARMS
3rd ELECTION DISTRICT
HOWARD COUNTY MARYLAND

OWNER: FARNANDIS FARMS INC.
DEVELOPER: LIBERTY FARNANDIS ENTERPRIZES

PROJECT TITLE:
ROAD DETAILS
SHEET 4 of 7

SCALE: AS SHOWN DATE: AUG. 25, 1981

1-983

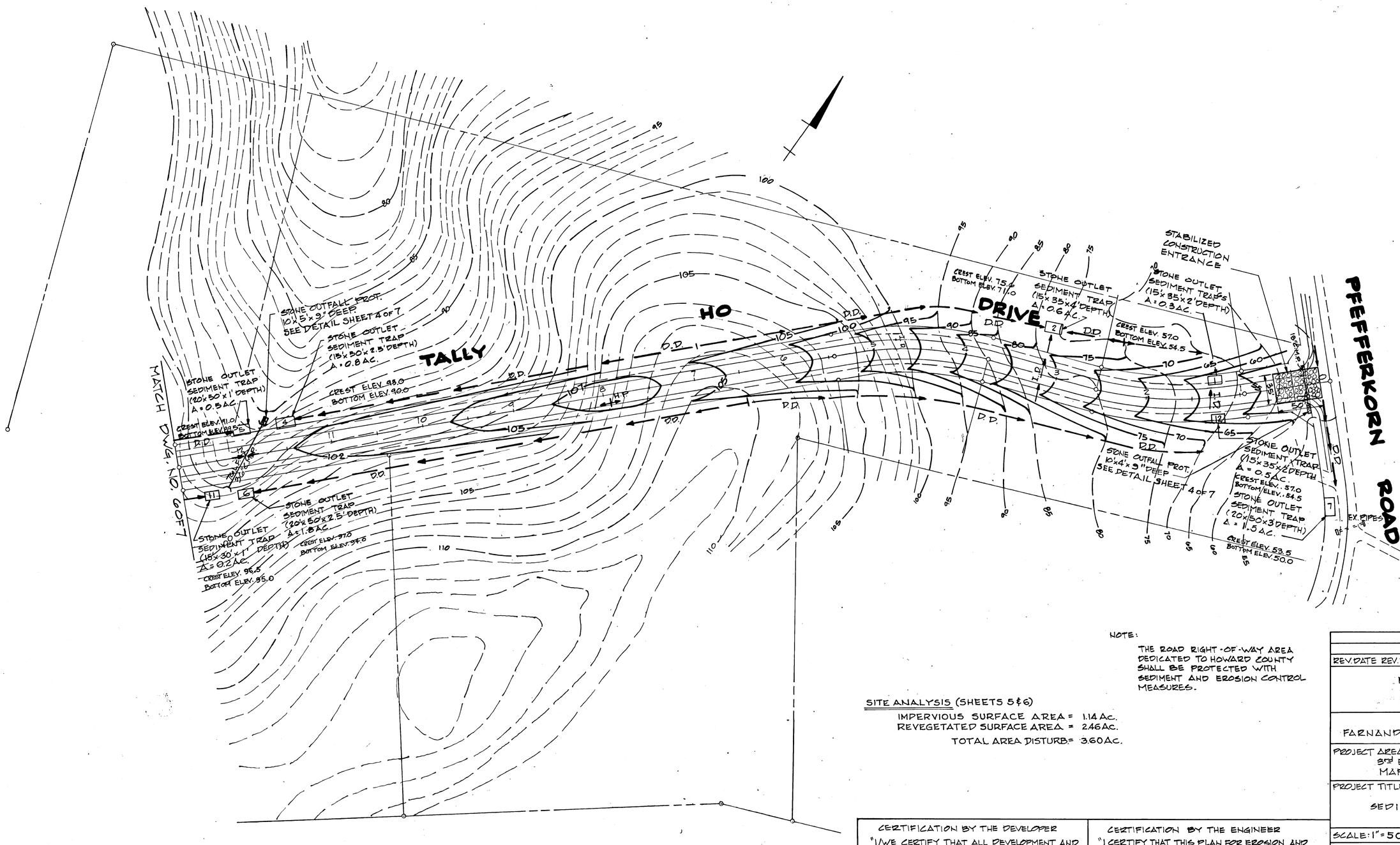
F-83-66

DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING — DATE 5-13-83

OFFICE OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 5-2-83



REVIEWED FOR HOWARD S.C.D.

AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE — DATE 4-27-83

US SOIL CONSERVATION SERVICE

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

APPROVED 4/28/83

HOWARD S.C.D. DATE

NOTE:

THE ROAD RIGHT-OF-WAY AREA DEDICATED TO HOWARD COUNTY SHALL BE PROTECTED WITH SEDIMENT AND EROSION CONTROL MEASURES.

SITE ANALYSIS (SHEETS 5&6)

IMPERVIOUS SURFACE AREA = 1.14 Ac.
REVEGETATED SURFACE AREA = 2.46 Ac.
TOTAL AREA DISTURB = 3.60 Ac.

CERTIFICATION 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."

LIBERTY FARNANDIS — DATE 3-24-83

CERTIFICATION 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."

LLOYD E. LIPIN PE. NO. 8905 — DATE 3-24-83

REV. DATE	REV. NO.	REVISION DESCRIPTION

MAP 15 PARCEL NO 177
3RD ELECTION DISTRICT
HOWARD COUNTY MARYLAND

OWNER
FARNANDIS FARMS INCORPORATED

PROJECT AREA
3rd ELECTION DISTRICT
MAP 15 PARCEL NO 177

PROJECT TITLE
SEDIMENT CONTROL

SHEET 5 of 7

SCALE: 1" = 50' — DATE: AUG. 25, 1981

LIBERTY ENGINEERING INC.
2810 COLLEGE VIEW DRIVE
CHURCHVILLE, MARYLAND 21028

LLOYD E. LIPIN
REGISTERED ENGINEER
NO. 8905

STATE OF MARYLAND — LLOYD E. LIPIN — No. 8905 — REGISTERED PROFESSIONAL ENGINEER

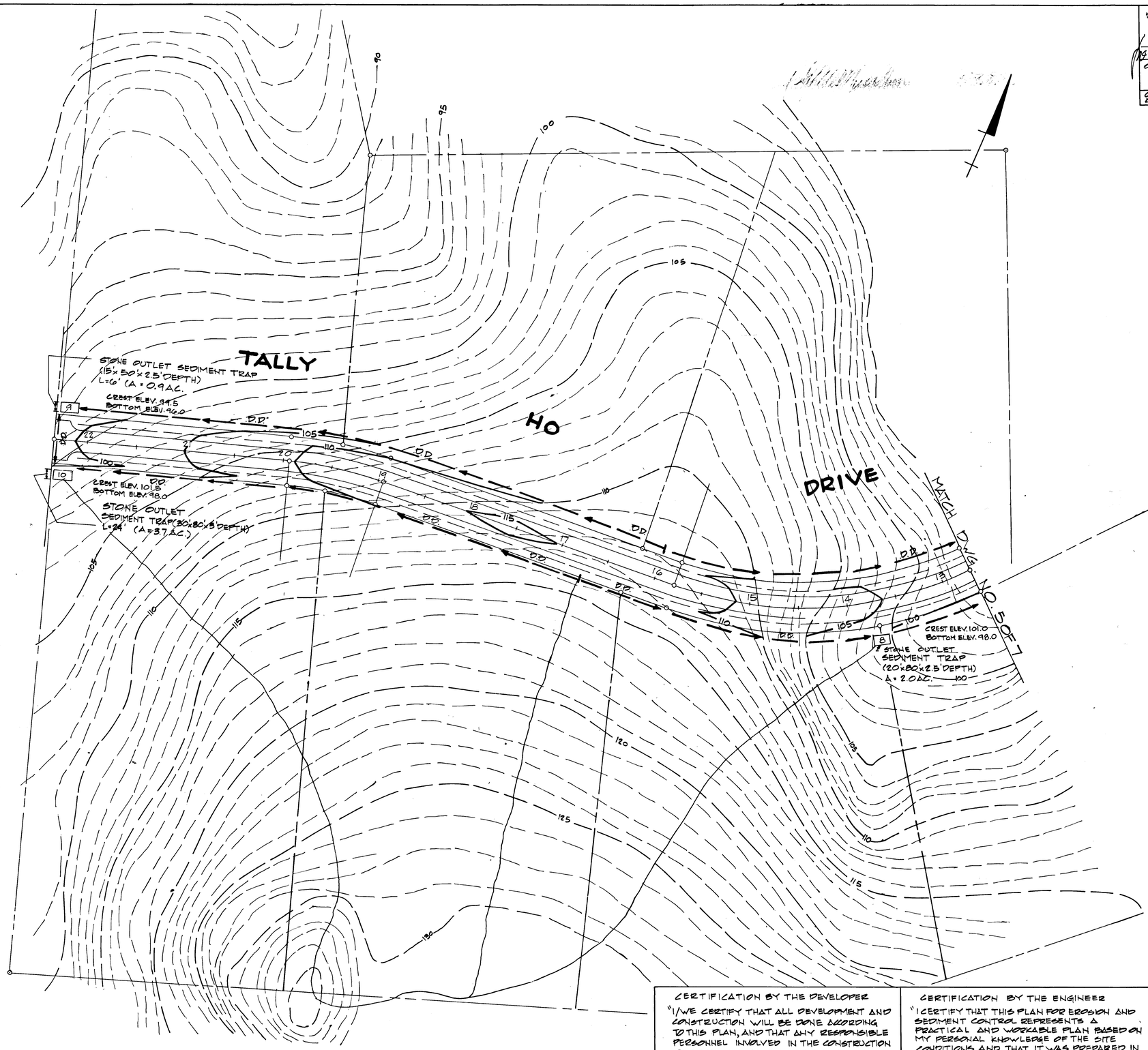
F-83-66

DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING — DATE 5-18-83

OFFICE OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 5-2-88



REVIEWED FOR HOWARD S.C.D.

AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE — DATE 4-27-88

U.S. SOIL CONSERVATION SERVICE

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

APPROVED 4-29-88

HOWARD S.C.D. — DATE

REV. DATE	REV. NO	REVISION DESCRIPTION

MAP 15 PARCEL NO. 177
3RD ELECTION DISTRICT
HOWARD COUNTY MARYLAND

OWNER
FARNANDIS FARMS INCORPORATED

PROJECT AREA
3rd ELECTION DISTRICT
MAP 15 PARCEL NO. 177

PROJECT TITLE:
SEDIMENT CONTROL

SHEET 6 of 7

SCALE: 1"=50' — DATE: AUG. 25, 1981

LIBERTY ENGINEERING INC.
2810 COLLEGE VIEW DRIVE
CHURCHVILLE, MARYLAND 21028

CERTIFICATION 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."

LIBERTY FARNANDIS — 3-24-83 DATE

CERTIFICATION BY THE ENGINEER

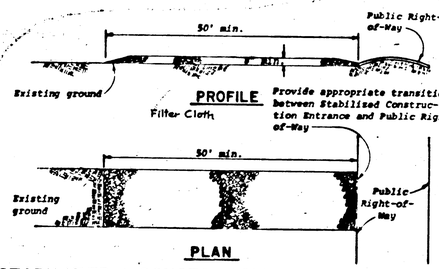
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

LLOYD E. LIPIN P.E. NO. 8905 — 3-24-83 DATE

LLOYD E. LIPIN
REGISTERED ENGINEER
NO 8905

983

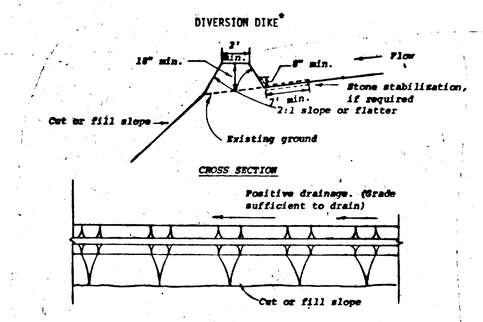
F-83-66



STABILIZED CONSTRUCTION ENTRANCE

NOTES:

1. Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation M43, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
2. Length - As effective, but not less than 50 feet.
3. Thickness - Not less than eight (8) inches.
4. Width - Not less than full width of all points of ingress or egress.
5. Washing - When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards or other approved methods
6. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto 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.



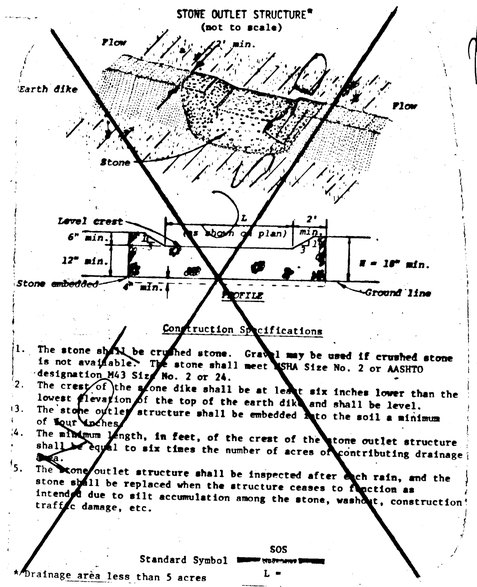
Construction Specifications.

1. All dikes shall be machine compacted.
2. All diversion dikes shall have positive drainage to an outlet.
3. A. Diverted runoff from a protected or stabilized area shall outlet directly to 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, as specified by the plans, shall be: (1) in accordance with Standard and Specifications for Grassed Waterway, and the area to be stabilized shall be the channel (flow area); or (2) the flow area shall be lined with stone that meets MSHA size No. 2 or AASHTO M43 size No. 2 or 24 which is placed in a 3 inch thick layer and pressed into the soil. The area covered by the stone shall be as shown on the drawing above.
5. Periodic inspection and required maintenance shall be provided.

Standard Symbol — DD

* Drainage area less than 5 acres

DIVERSION DIKE



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 24.
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 inspected after each rain, and the stone shall be replaced when the structure ceases to function as intended due to silt accumulation among the stone, washout, construction traffic damage, etc.

Standard Symbol — SOS

* Drainage area less than 5 acres

STONE OUTLET STRUCTURE

DEPARTMENT OF PUBLIC WORKS — 5/16/83 — DATE

CHIEF, BUREAU OF ENGINEERING

OFFICE OF PLANNING AND ZONING — 5-27-83 — DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

REVIEWED FOR HOWARD S.C.D.

AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE — DATE

U.S. SOIL CONSERVATION SERVICE

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

APPROVED _____

HOWARD S.C.D. — DATE

SEQUENCE OF OPERATIONS

1. Notify Howard County Department Of Permits & Licenses Sediment Control Inspector At Least 72 Hours Before Work Begins.
2. Clear, Grub & Perform Limited Grading For Installation Of Sediment Control Measures Only.
3. Install & Stabilize Sediment Control Measures.
4. Prior To Placement Of Embankment At Sta. 11+85±, Install 36"CMP With Outfall Protection. Prior to Excavating At 14+00±, Install 18"CMP With Outfall Protection.
5. Clear, Grub & Rough Grade Site.
6. Install Utilities Without Hinderance Or Impairment To Sediment Control Devices.
7. [illegible]
8. Stabilize All Disturbed Areas.
9. Remove Temp. Sediment Control Measures & Stabilize Areas, After Obtaining Permission From Sediment Control Inspector.

SEDIMENT & EROSION CONTROL NOTES

1. Refer To USDA-Soil Conservation Service "Standards for Soil Erosion and Sediment Control in Developing Areas" for Standard Details & Detailed Specifications of The Practices Specified Herein.
2. During Layout of Sediment Control Practices Required On This Minor Field Adjustments Can And Will Be Made To Insure The Arrest And Control Of Any Sediment Before It Leaves The Site. Changes In Sediment Control Practices Require Prior Approval Of The Sediment Control Inspector And The County Soil Conservation Act.
3. At The End Of Each Working Day All Sediment Control Practices Will Be Inspected And Left In Operational Condition.
4. All Disturbed Areas Not Stabilized By Buildings, Paving Or Walks Shall Be Stabilized As Follows.

   Seedbed Preparation: Loosen Upper 5 Inches Of Soil By Raking, Discing Or Other Acceptable Means Before Seeding

   Soil Amendments: Apply 2 Tons Per Acre Dolomitic Limestone (92 lbs/1,000 sq.ft.) And 600 lbs Per Acre 0-20-20 Fertilizer (14 lbs/1,000 sq.ft.) Harrow Or Disc Lime And Fertilizer Into Upper Three Inches Of Soil. At Time Of Seeding, Apply 200 lbs. Per Acre (9.2 lbs/1,000 sq.ft.) Of 38-0-0 Ureaform Fertilizer And 500 lbs. Per Acre (11.5 lbs/1,000 sq.ft.) Of 10-20-20 Fertilizer.

   Seeding: For The Periods March 1 Thru April 30 And August 1 Thru October 15, Seed With 60 lbs Per Acre (1.4 lbs/1,000 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 (.05 lbs/1000 sq.ft) 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 Sod Option (3) - Seed With 60 lbs./Acre Kentucky 31 Tall Fescue And Mulch With 2 Tons/Acre Well Anchored Straw.

   Mulching: Apply 1½ To 2 Tons Per Acre (70 To 90 lbs/1000 sq.ft) Of Unrotted Small Grain Straw Immediately After Application Using 200 Gallons Per Acre (5 Gallons/1000 sq.ft.) Of Emulsified Asphalt On Flat Areas On Slopes 8 Feet Or Higher, Use 348 Gallons Per Acre (8 Gallons/1,000 sq.ft.) For Anchoring.

   Maintenance: Inspect All Seeded Areas And Make Needed Repairs, Replacements And Reseedings.

5. All Disturbed Areas Left Idle For More Than 30 Days, Shall Be Stabilized As Follows:

   Seedbed Preparation: Loosen Upper 5 Inches By Discing, Raking Or Other Acceptable Means.

   Soil Amendments: Apply 600 lbs. Per Acre (15 lbs./1,000 sq.ft) Of 10-20-10 Fertilizer.

   Seeding: For Periods March 1 Thru April 30, And From August 15 Thru November 15, Seed With 2½ Bushels Per Acre (3.2 lbs/1,000 sq.ft.) Of Annual Rye. For The Period May 1 Thru August 14 Seed With 5 lbs/Acre (0.07 lbs/1,000 sq.ft. Of Weeping Lovegrass

   Mulching: Apply 1½ To 2 Tons Per Acre (70 To 90 lbs/1,000 sq.ft.) Of Unrotted Small Grain Straw Immediately After Seeding. Anchor Mulch Immediately After Application Using 200 Gallons Per Acre (5 Gallons/1,000 sq.ft Of Emulsified Asphalt On Flat Areas. On Slopes 8 Feet Or Higher Use 348 Gallons Per Acre (8 Gallons/1,000 sq.ft.) For Anchoring.

6. Any Changes To The Grading Proposed On This Plan Will Require It To Be Resubmitted To The District.

USED

Construction Specifications

1. Bales shall be placed in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a minimum of 4".
3. Bales shall be securely anchored in place by stakes or re-bars driven through the bales. The first stake in each bale shall be angled toward previously laid bale to force bales together.
4. Inspection shall be frequent and repair or 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.

STRAW BALE DIKE

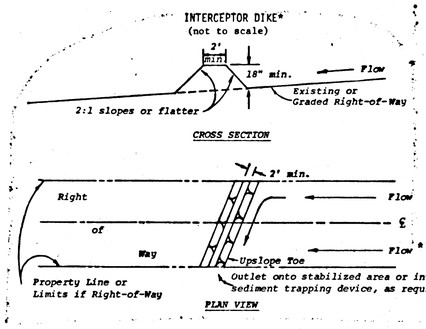
NOTE - Drawings show straw bales used for core. Bales are anchored as per Standard and Specifications for Straw Bale Dike. Other materials (e.g., timber or concrete block) may also be used for core. Firmly anchor all core material to ground.

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 or 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. 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. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
4. The structure shall be inspected after each rain and repairs made as needed.
5. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
6. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
7. All cut and fill slopes shall be 2:1 or flatter.
8. The crushed stone used in the outlet shall meet AASHTO designation M43, Size No. 2 or 24 or its equivalent such as MSHA No. 2. Gravel, meeting the above gradation, may be used if crushed stone is not available. Crusher run is not acceptable.

* Drainage area less than 5 acres.

STONE OUTLET SEDIMENT TRAP



Construction Specifications

1. All dikes shall be machine compacted.
2. All interceptor dikes shall have positive drainage to an outlet.
3. Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
4. Field location should be adjusted as needed to utilize a stabilized safe outlet.
5. Interceptor dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin when either the interceptor dike channel or the drainage area above the dike are not adequately stabilized.
6. Stabilization, as specified by the plans, shall be: (1) in accordance with Standard and Specifications for Grassed Waterway, and the area to be stabilized shall be the channel (flow area); or (2) the flow area shall be lined with stone that meets MSHA size No. 2 or AASHTO size No. 2 or 24 which is placed in a 3 inch thick layer and pressed into the soil. The area covered by the stone shall be as shown on Standard Drawing DD-1.
7. Periodic inspection and required maintenance must be provided.

* Drainage area less than 5 acres. Standard Symbol — ID

INTERCEPTOR DIKE

CONSTRUCTION SPECIFICATIONS

1. Area Under Embankment Shall Be Cleared, Grubbed And Stripped Of Any Vegetation And Root Mat.
2. The Fill Material For The Embankment Shall Be Free Of Roots Or Other Woody Vegetation As Well As Over Sized Stones, Rocks, Organic Material Or Other Objectionable Material. The Embankment Shall Be Compacted By Traversing Equipment While It Is Being Constructed.
3. Sediment Shall Be Removed And Trap Restored To Its Original Dimensions When The Sediment Has Accumulated To ½ The Design Depth Of The Trap. Removed Sediment Shall Be Deposited In A Suitable Area And In Such A Manner That It Will Not Erode.
4. The Structure Shall Be Inspected After Each Rain And Repairs Made As Needed.
5. Construction Operations Shall Be Carried Out In Such A Manner That Erosion And Water Pollution Is Minimized.
6. The Structure Shall Be Removed And The Area Stabilized When The Drainage Area Has Been Properly Stabilized
7. All Cut And Fill Slopes Shall Be 2:1 or Flatter
8. The Stone Used In The Outlet Shall Be Small Riprap 3"-15" With A 1" Thickness Of #2 A Crushed Stone Placed On The Up Grade Side Of The Small Riprap.
9. Drainage Area For This Practice Is Limited To 5 Acres Or Less.

CERTIFICATION 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."

LIBERTY FARNANDIS — 5/2/83 DATE

CERTIFICATION 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."

Lloyd E. Lipin — 5-2-83

LLOYD E. LIPIN PE NO. 8965 — DATE

Lloyd E. Lipin
LLOYD E. LIPIN
REGISTERED ENGINEER
NO. 8965

STATE OF MARYLAND — LLOYD E. LIPIN — No. 8965 — REGISTERED PROFESSIONAL ENGINEER

TALLY HO FARMS
3rd ELECTION DISTRICT
HOWARD COUNTY MARYLAND

OWNER: FARNANDIS FARMS INC.

DEVELOPER: LIBERTY FARNANDIS ENTERPRISES

PROJECT TITLE:
SEDIMENT & EROSION CONTROL DETAILS SHEET 7 of 7

SCALE: NONE — DATE: AUG. 25, 1981

983

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