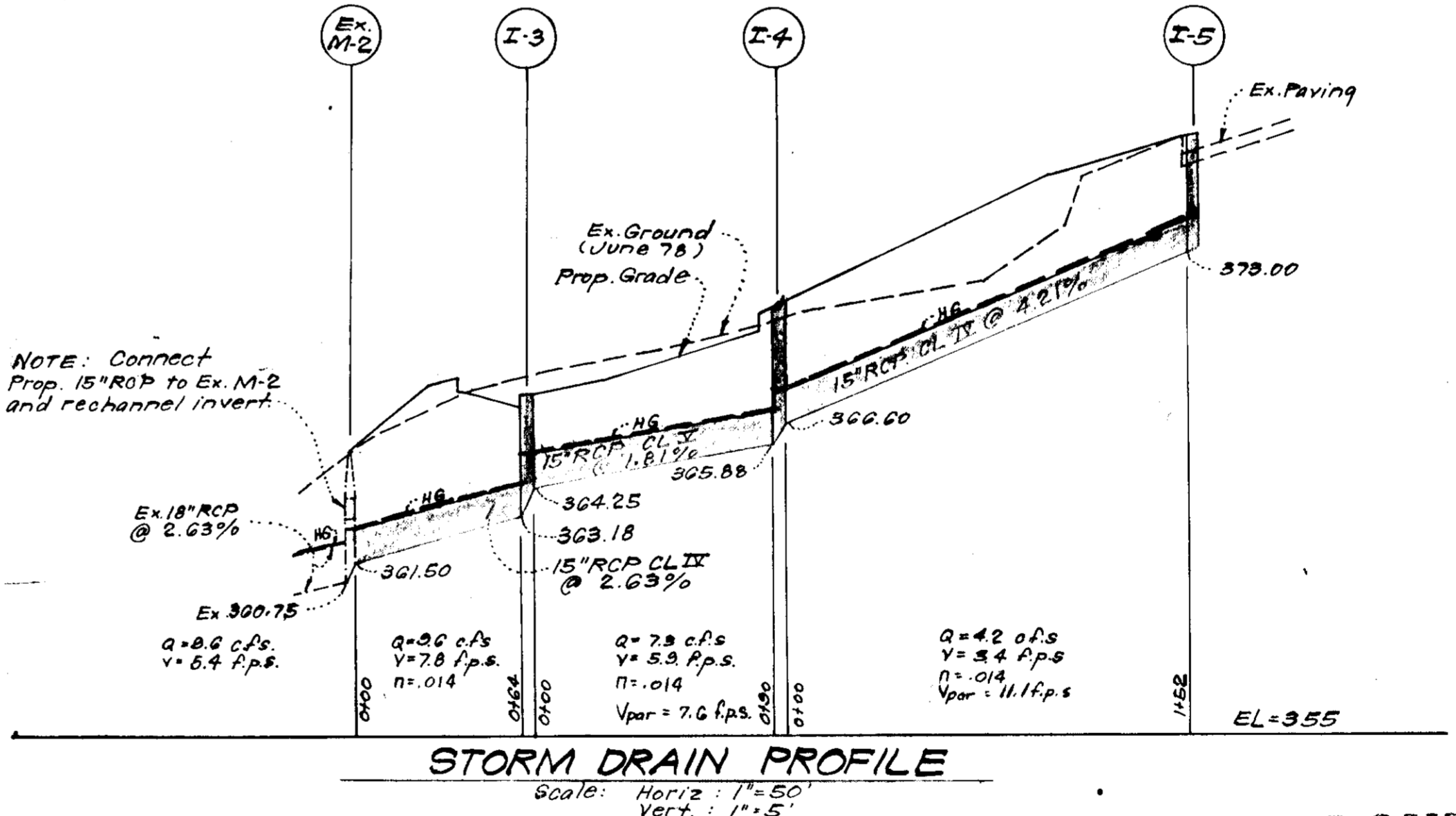


LEGEND:

- 1. Contour Interval 2 Ft.
- 2. Existing Contour
- 3. Proposed Contour 370
- 4. Spot Elevation + 70±
- 5. Direction of Drainage
- 6. Existing Sewer Line
- 7. Existing Storm Drain
- 8. Prop. Storm Drain

- GENERAL NOTES:**
- The Land included in this plan is zoned New Town Commercial.
 - The Lot shown on this plan is covered by Final Development Plan Phase 118, Part II recorded in P.B. 20, F. 197.
 - All coordinates are based on Maryland State Grid System. Elevations are based on U.S. Coast and Geodetic Survey Mean Sea Level datum of 1929.
 - The area covered in this submission is located on Tax Map #42.
 - The total area included in this plan is 2.961 Acres.
 - Installation of all Traffic Control Devices shall be in accordance with the latest edition of the Manual of Uniform Traffic Control Devices.
 - Recording Reference: Plat No 4240
 - All driveways and parking to be privately maintained.
 - All storm drainage and paving shall be constructed in accordance with the latest details and specifications of Howard County.
 - Roof storm water carried in downspouts will be handled by splash block and discharged to ground having good percolation.
 - The Builder agrees to work with the Dept. of Licenses & Inspections to resolve any problems caused by roof water discharge.
 - Intended use of structure: Athletic Recreation on Racquetball Courts.
 - Parking Requirements:

USES	EXIST.	PROPOSED	TOTAL
a. No. of Racquetball Courts	9	9	18
b. Sq. Ft. Retail Areas	400	400	800
c. Sq. Ft. Office Areas	162	800	962
d. No. Seats in Meeting/Conference Rooms	12	-	12
e. No. Seats in Snack Bar Area	56	10	66
f. No. Employees	4	-	4
g. Total No. Parking Spaces Required	-	-	82
h. Total No. Parking Spaces Provided	40	53	93



STRUCTURE SCHEDULE *

No	TYPE	TOP ELEVATION	REMARKS
I-5	A-5 Inlet	377.50	Howard Co. Std. Fig. 4.01
I-4	A-5 Inlet w/Defl.	370.90	Howard Co. Std. Fig. 4.01 & Fig. 4.83
I-3	A-10 Inlet	367.80	Howard Co. Std. Fig. 4.02
Ex. M-2	Ex. B Manhole	Meet Ex. Ground	Connect to Ex. Manhole & rechannel invert

PIPE SCHEDULE

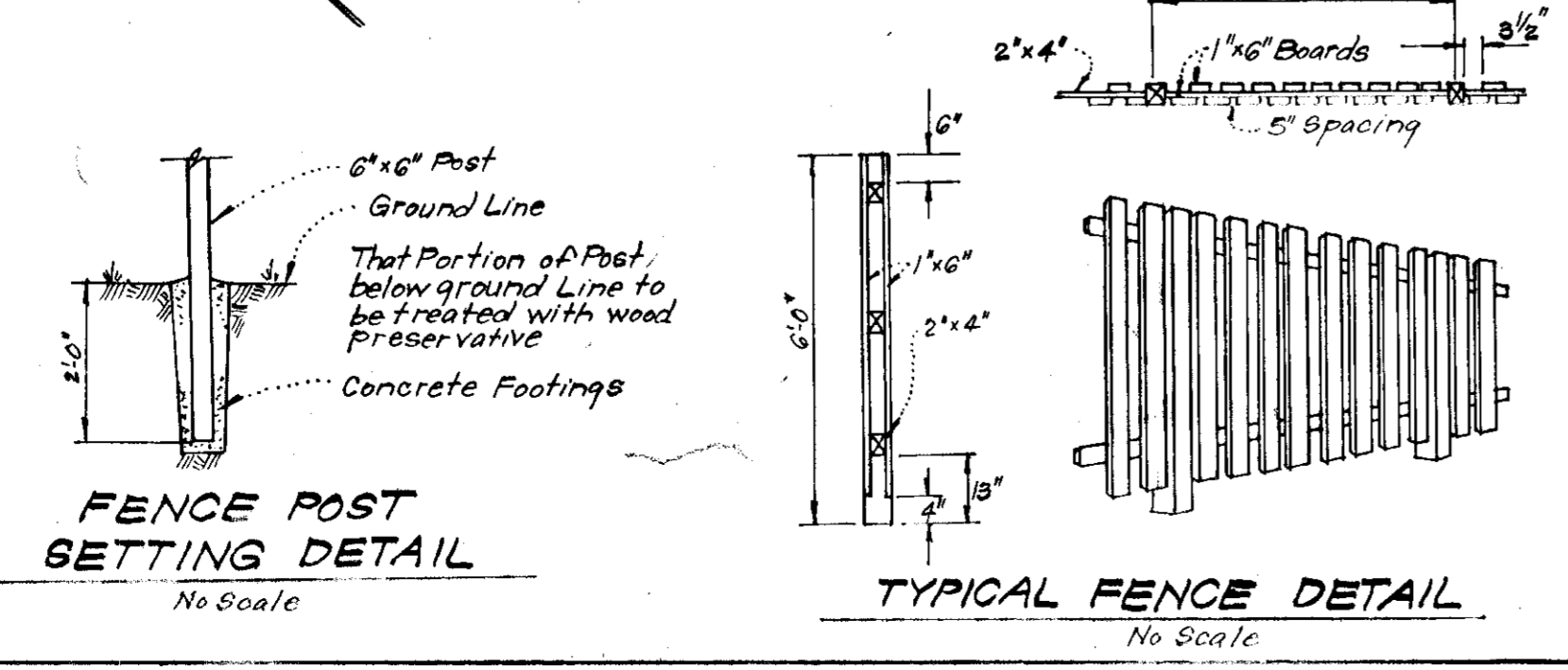
SIZE	TYPE	LENGTH
15"	RCP CL II	90'
15"	R.C.P. CL. IV	216'

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 8-30-78

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE: 6-6-79

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 6-6-79

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 6-4-79



Building Addition to Approved SDP-TT-96C

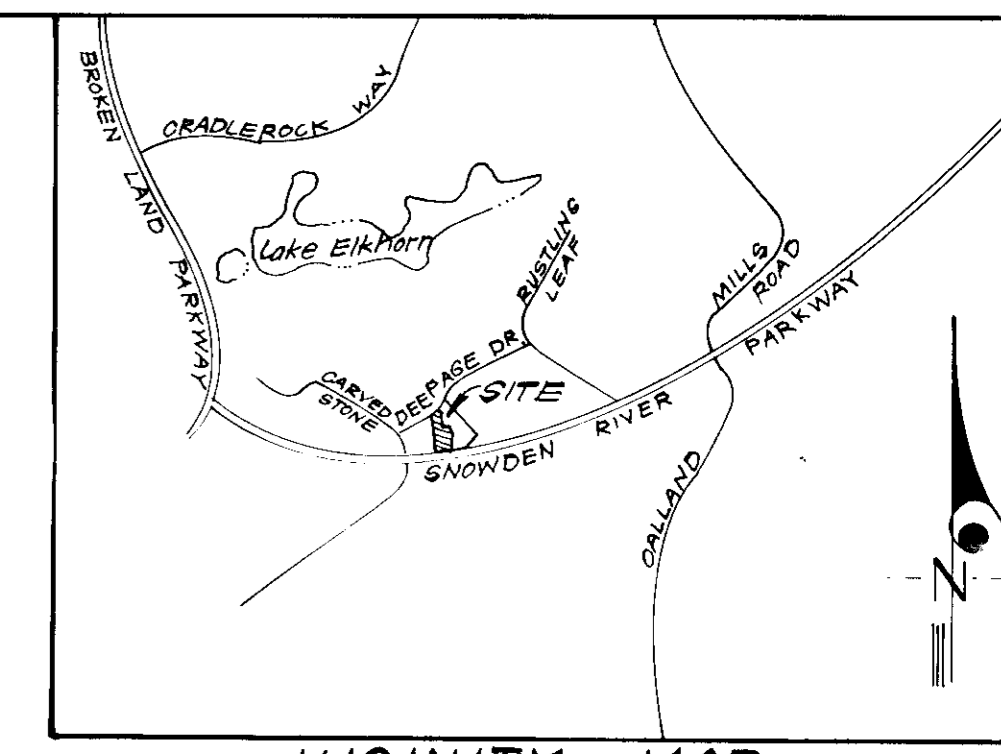
CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

SITE DEVELOPMENT PLAN
STORM DRAINAGE AND PAVING PLAN
LOT D-11 A RESUBDIVISION OF LOTS D-9 & D-10

COLUMBIA
VILLAGE OF OWEN BROWN
SECTION 2 AREA 2
SITE ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: HOWARD CO. SPORTS DEVELOPMENT
1118 Ivybush Lane
Columbia, Maryland 21044

DESIGNED: WHT
DRAWN: K.I.W.
CHECKED: WHT
DATE: July 1978

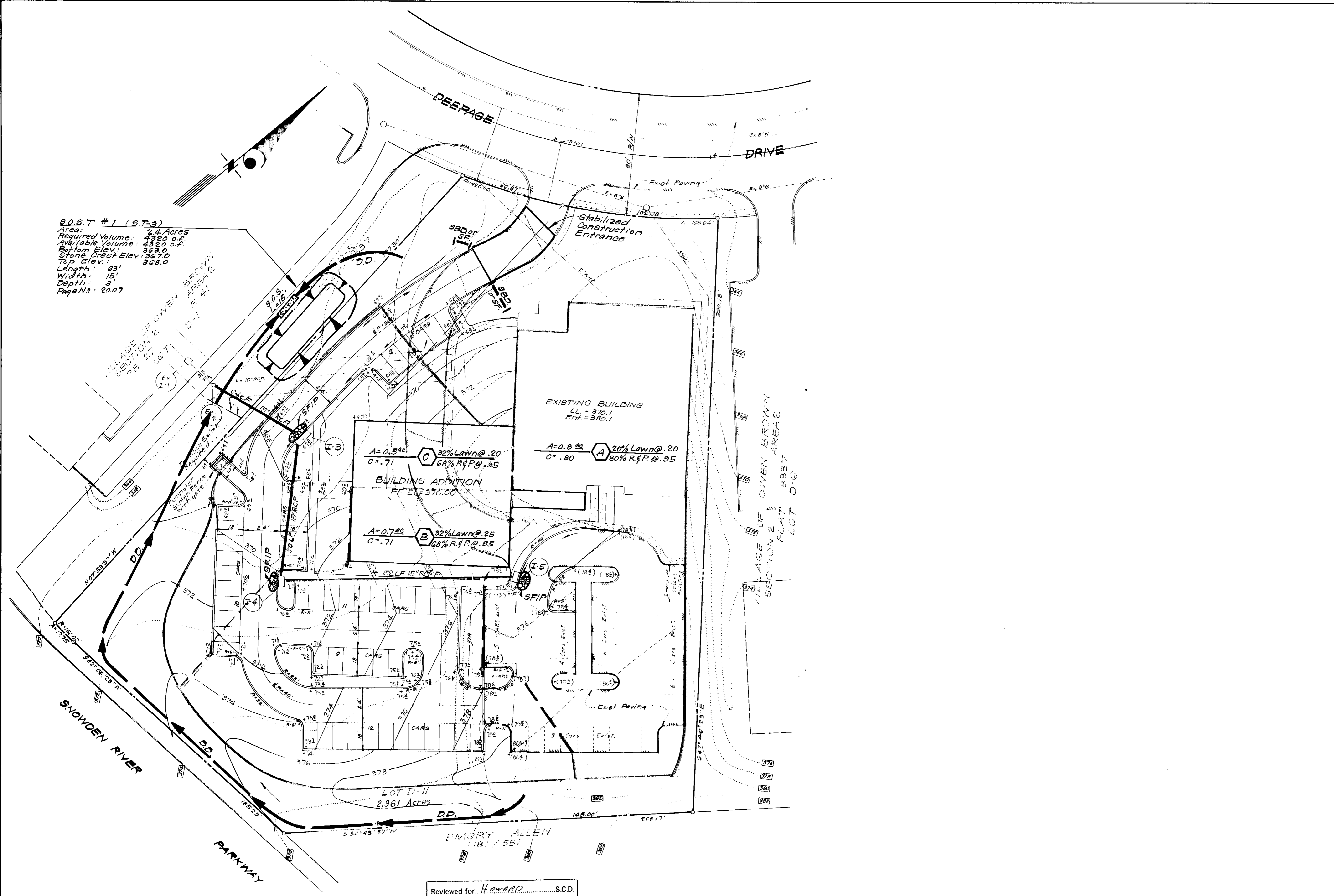
SCALE: 1"=30'
DRAWING: 1088
JOB NO.:
THE NO.:
REV: X



VICINITY MAP
SCALE 1"=2000'

S.O.S.T. #1 (S.T.-3)
 Area: 2.4 Acres
 Required Volume: 4320 c.f.
 Available Volume: 4320 c.f.
 Bottom Elev.: 363.0
 Stone Crest Elev.: 367.0
 Top Elev.: 368.0
 Length: 23'
 Width: 15'
 Depth: 9'
 Page No.: 20.07

- LEGEND:**
- 1. Contour Interval 2 Ft.
 - 2. Existing Contour - - - - - (70)
 - 3. Proposed Contour - - - - - 370
 - 4. Spot Elevation + 705
 - 5. Direction of Drainage
 - 6. Existing Sewer Line
 - 7. Existing Storm Drain
 - 8. Prop. Storm Drain
 - 9. Diversion Dike
 - 10. Straw Bale Dike or Silt Fence
 - 11. Stone Filter Inlet Protection
 - 12. Stabilized Construction Entrance
 - 13. Sediment Trap



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER William S. Jordan DATE 6-6-79
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR _____ DATE _____
 CHIEF DIVISION OF LAND DEVELOPMENT _____ DATE _____
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR W. F. Nummy DATE 6-4-79
 CHIEF BUREAU OF ENGINEERING _____ DATE _____

Reviewed for HOWARD S.C.D.
 Name
 and meets Technical Requirements
R. Wayne Kay 10-10-78
 Signature Date
 U.S. Soil Conservation Service

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

WES FARR 10-10-78
 Approved Date

DEVELOPER'S CERTIFICATE

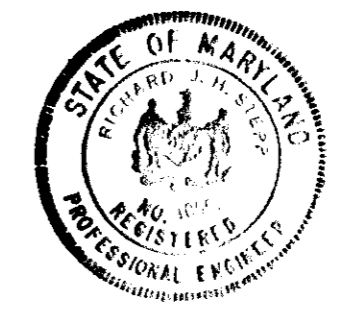
I certify that all development and/or construction
 will be done according to this plan of development
 and plan for Erosion and Sediment Control, and I do
 authorize periodic on-site inspection by the Howard
 Soil Conservation District or their authorized agents
 as are deemed necessary. Deviation from this plan
 will not be made unless authorized by the Howard
 Soil Conservation District.

Paul Duncan 7/17/78
 Signature Date
 Paul Duncan

ENGINEER'S CERTIFICATE

I hereby 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 Conserva-
 tion District.

Richard G. H. Stepp 7-11-78
 Signature Date
 Richard G. H. Stepp



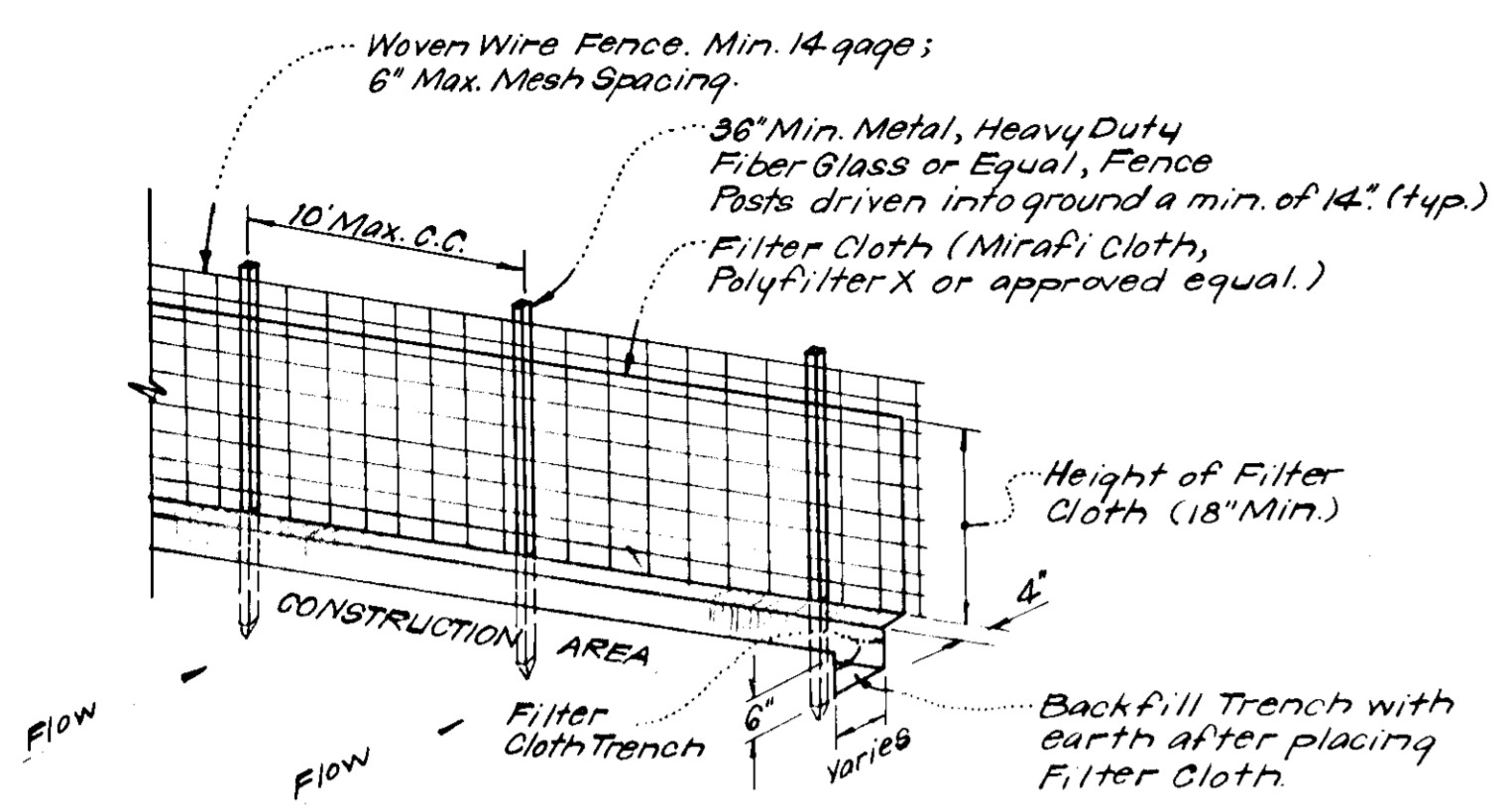
APPROVED
 8-30-78
 (W)

Building Addition to Approved SDP-77-96C

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400		
DESIGNED	SITE DEVELOPMENT PLAN SEDIMENT & EROSION CONTROL PLAN AND DRAINAGE AREA MAP LOT D-11 A RESUBDIVISION OF LOTS D-9 & D-10 COLUMBIA VILLAGE OF OWEN BROWN SECTION 2 AREA 2 8th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: HOWARD CO. SPORTS DEVELOPERS 11110 Ivybush Lane Columbia, Maryland 21044	SCALE
DRAWN		1"=30'
CHECKED		DRAWING
DATE		JOB NO.
FILE NO.		1357-X

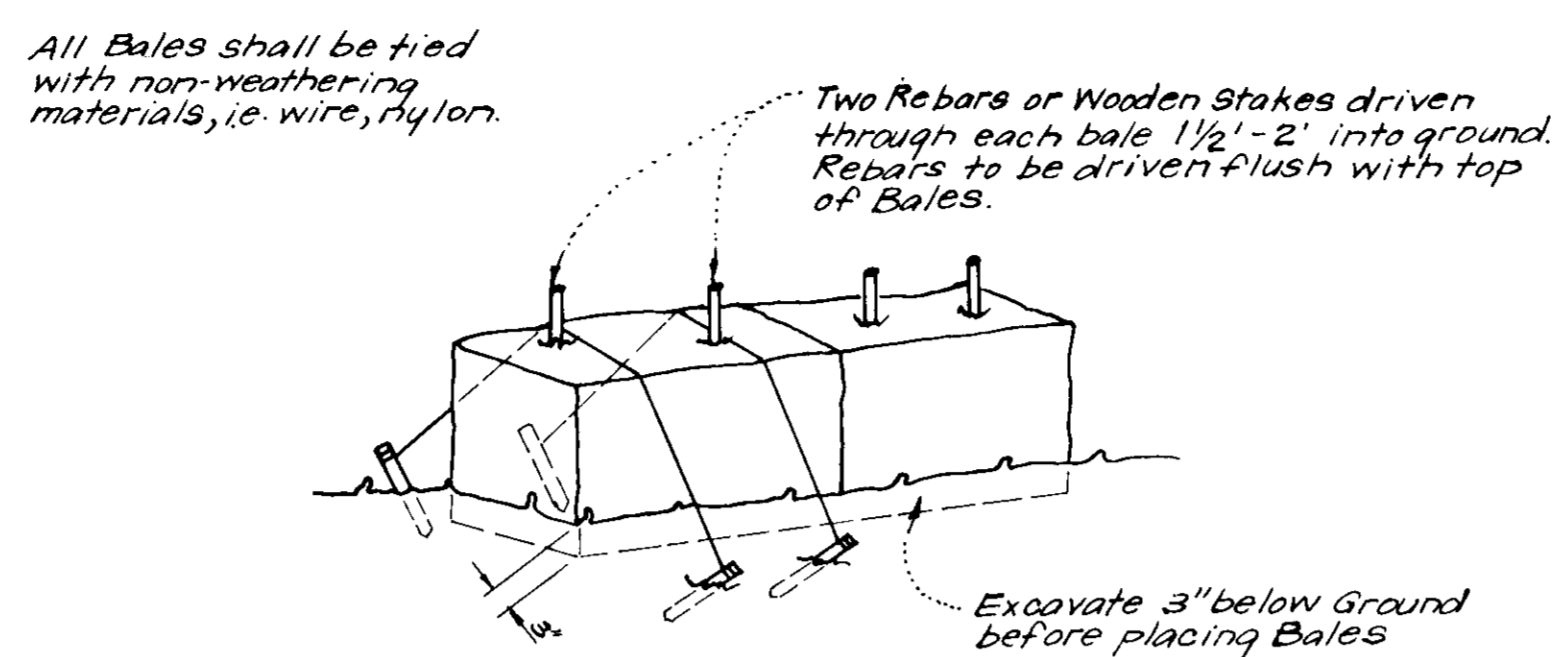
GENERAL NOTES

- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See Note #5 for stabilization except that the seed mixture will be annual rye applied at a rate of 1.4 lbs/1000 sq. ft.
- Notify the Bureau of Inspections and Permits at least 24 hours before starting any work.
- All Sediment Control Practices to conform to the "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas" and shall be adjusted to meet actual field conditions.
- Stabilization of Disturbed Ground to be done as soon after construction as possible.
- All Grading shall be treated in accordance with the following Specifications:
 - Seed - certified 85% germination applied at the rate of 3 lbs./1000 s.f. mixture - 40% Kentucky Blue, 20% Chewy Fescue, 20% Kentucky 31, and 20% annual rye.
 - Fertilizer - 10-10-10 applied at the rate of 23 lbs./1000 sq. ft. Ground Agricultural Lime or Dolomitic Lime applied at the rate of 46 lbs./1000 s.f.
 - Mulch - Weed free grain straw applied at the rate of 70 lbs./1000 s.f. Mulch shall be secured to the ground by any approved method i.e. asphalt tacks, chemical binder, wood chips, etc.
- All Structural Sediment Control Measures are to remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits.
- On Site Inspection and Maintenance of all Sediment Control Measures including clean out of sediment traps and dikes, and proper establishment of all planned vegetative measures will be the responsibility of the Developer or his representative on the site, on a continuing day to day basis.
- Protection of stabilized area from sediment runoff shall be provided by the use of an approved Sediment Control Device, i.e. straw bale, diversion dike, etc.
- The Contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
- Stabilized Construction Entrances shall be placed at all construction entrances.
- SITE ANALYSIS:**
 - Total Area = 2.961 Acres
 - Area to be Roofed = 0.563 Acres
 - Area to be Paved = 1.025 Acres
 - Area to be Seeded = 0.910 Acres
 - Area Undisturbed = 0.463 Acres
- CONSTRUCTION SEQUENCE:**
 - Install Sediment & Erosion Control Devices and stabilize Diversion Dikes.
 - Excavate for Foundations and Rough Grade.
 - Erect Structures, Drive ways and Side walks.
 - Final Grade and stabilize in accordance with Note #6.
- It will be the Developer's responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.



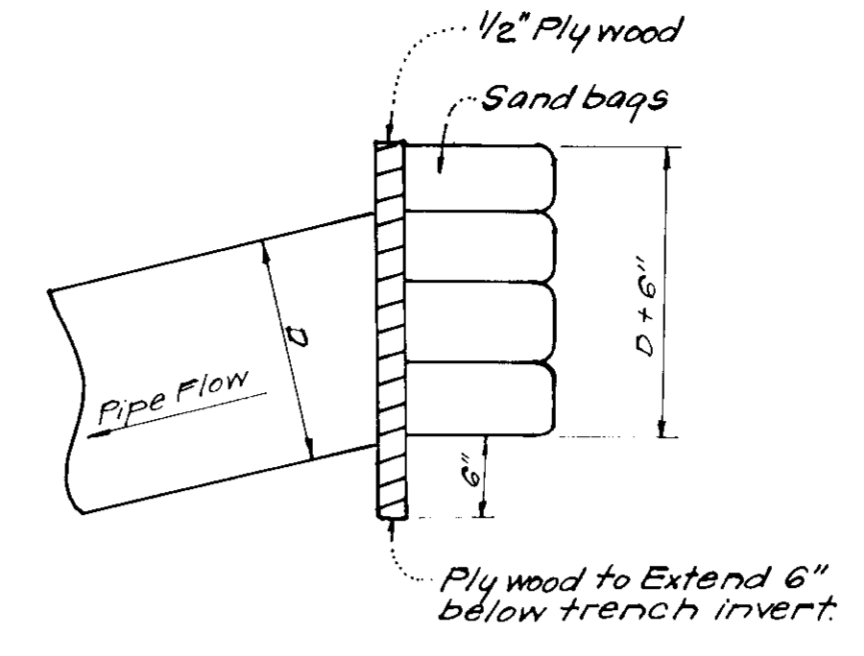
NOTES:
 1. Woven Wire Fence to be fastened securely to fence posts by use of wire ties.
 2. Filter Cloth to be fastened securely to woven wire fence by use of wire ties spaced every 24" x 24".

SILT FENCE DETAIL (S.F.)
 NO SCALE

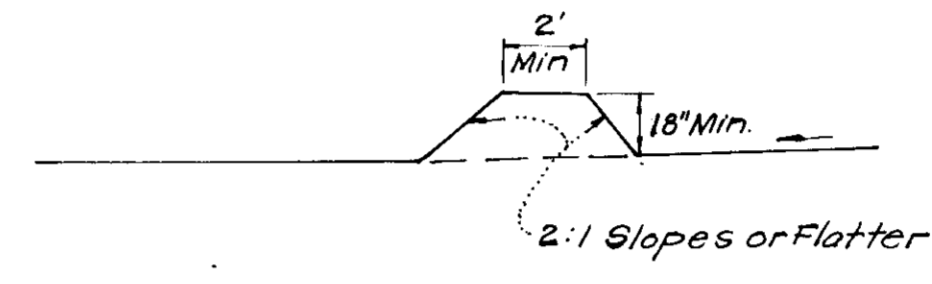


NOTE:
 1. In lieu of the use of rebar each Straw Bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).

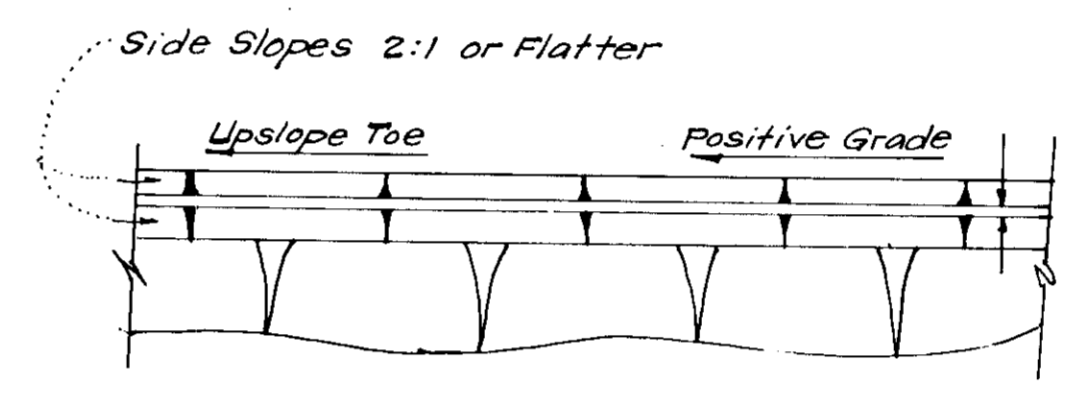
TYPICAL STRAW BALE DETAIL (S.B.D.)
 No Scale



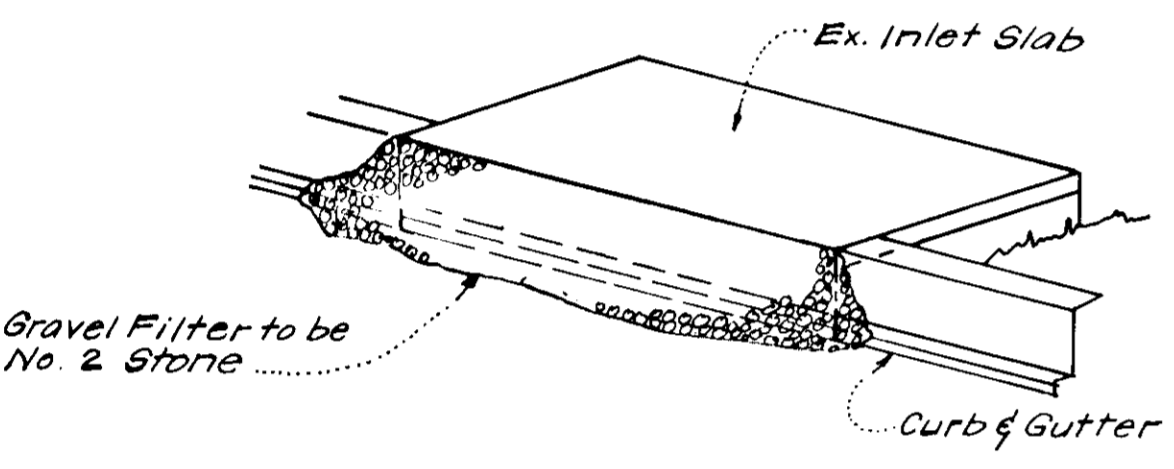
PIPE BLOCKING DETAIL
 No Scale



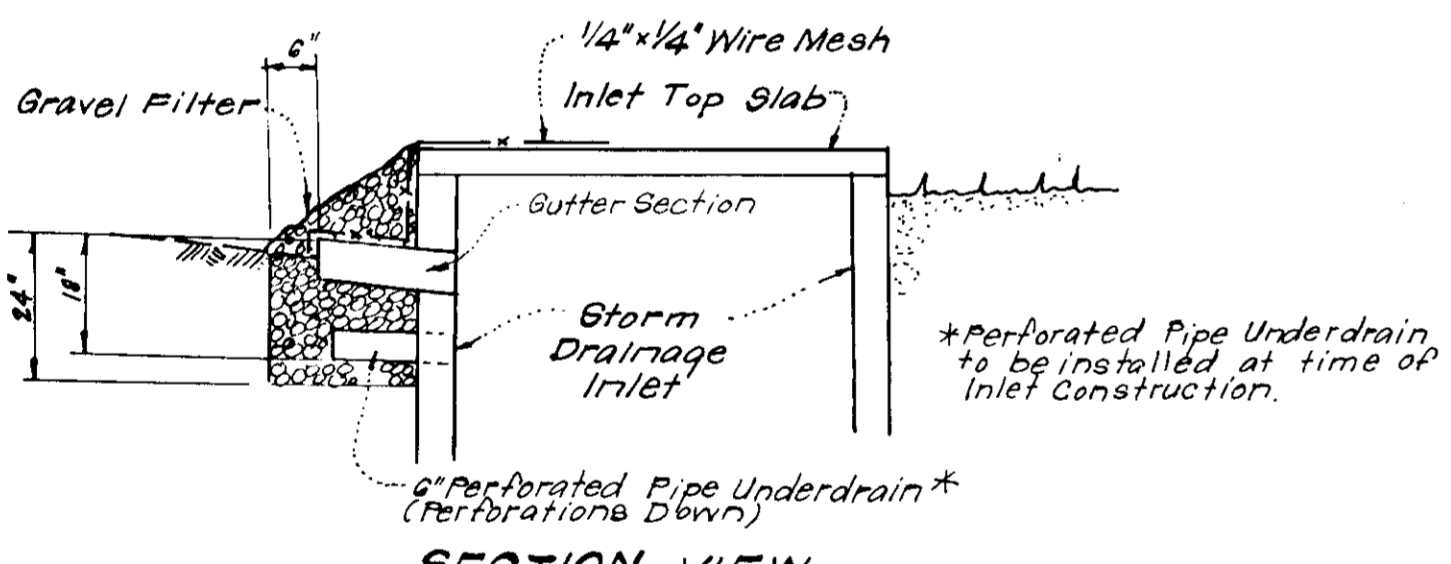
CROSS SECTION



PLAN VIEW
DIVERSION DIKE (D.D.)
 No Scale

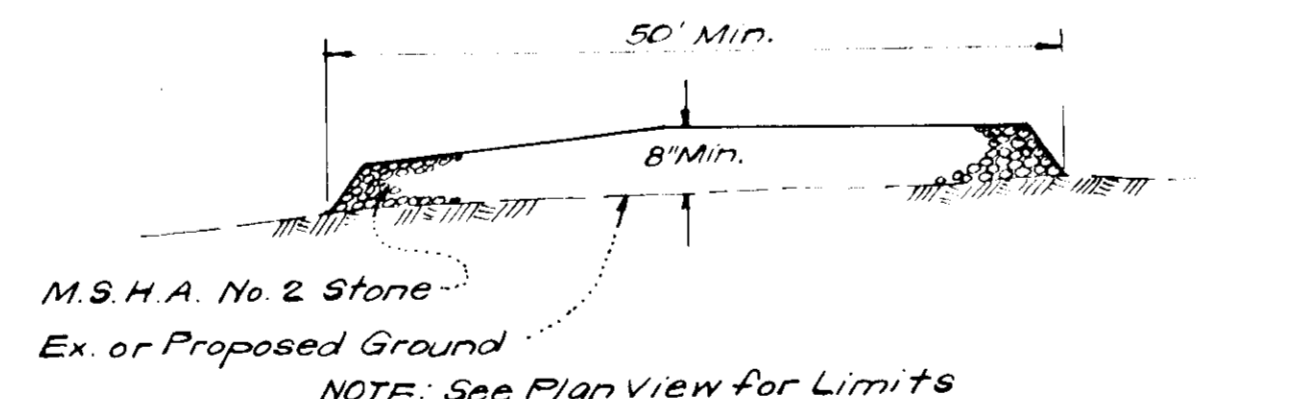


ISOMETRIC VIEW

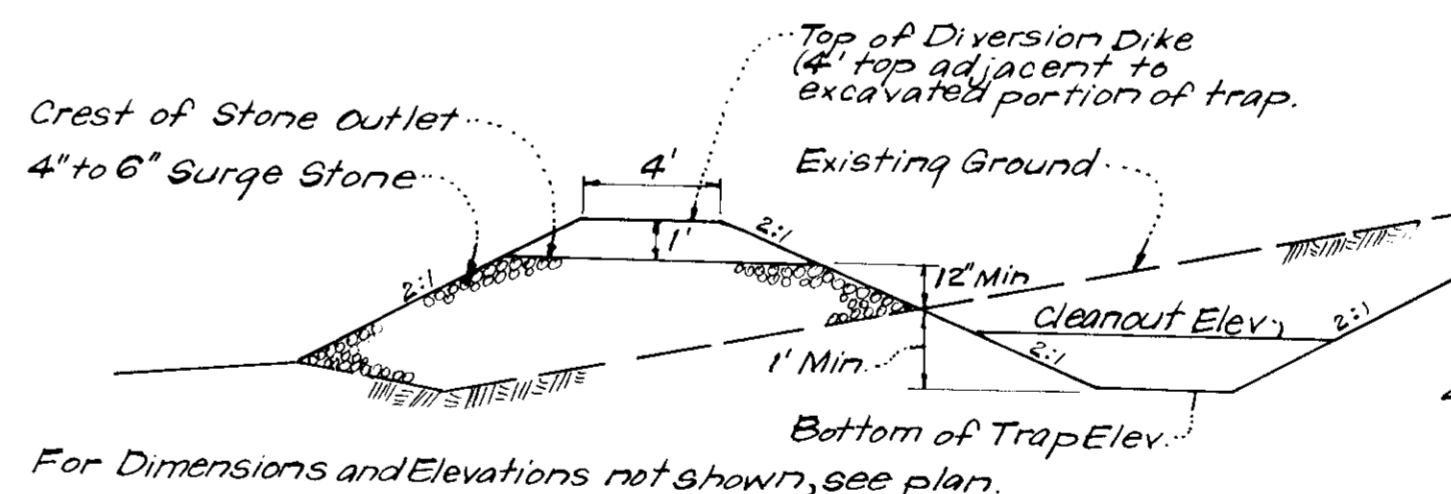


SECTION VIEW

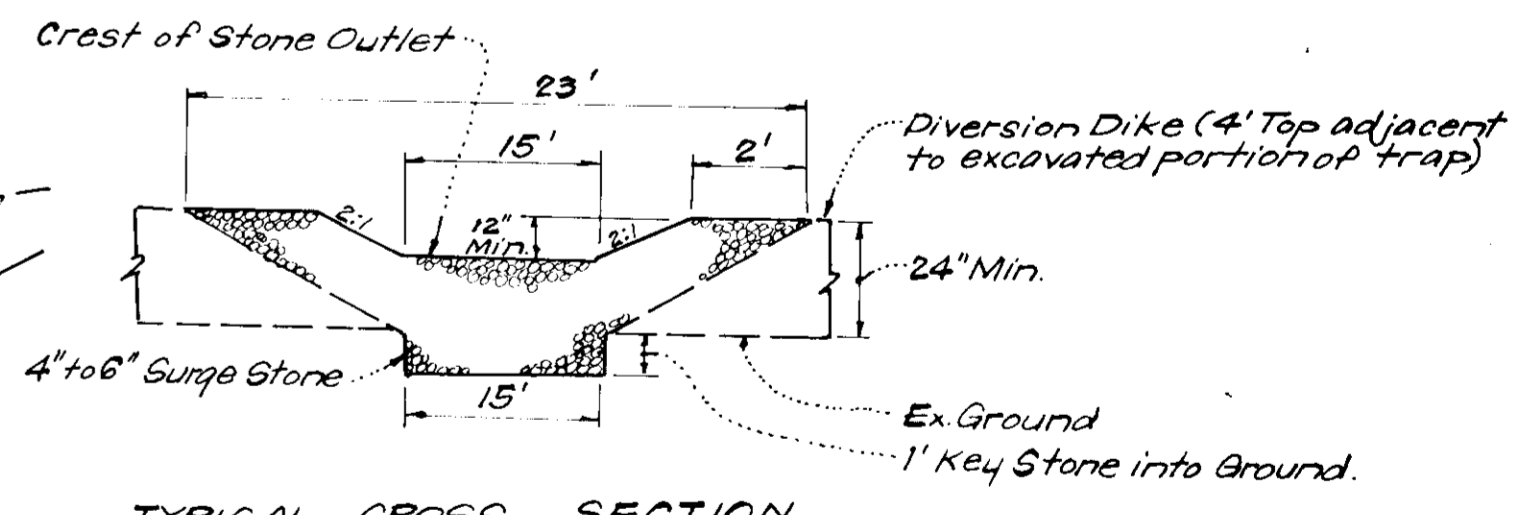
STONE FILTER INLET PROTECTION
DETAIL (S.F.I.P.)
 No Scale



SECTION VIEW
STABILIZED CONSTRUCTION ENTRANCE
 No Scale



TYPICAL PROFILE



TYPICAL CROSS SECTION

DETAILS OF STONE FILTER OUTLET
(FOR STONE OUTLET SEDIMENT TRAP)
 No Scale

STONE FILTER OUTLET NOTES:
 1. Sediment Trap to be cleaned out when sediment reaches a level of 1 ft. below the Crest of Stone Outlet.
 2. Bottom of Sediment Trap to be level and constructed to the dimensions shown on plan.
 3. Stone Outlet to be constructed through diversion dike adjacent to excavated portion of Sediment Trap.

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE **8-30-78**

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER **J. J. Boyd** NO **6-677** DATE
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR DATE
 CHIEF DIVISION OF LAND DEVELOPMENT DATE
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR **Thomas F. Nunn** DATE **6-4-77**
 CHIEF BUREAU OF ENGINEERING DATE

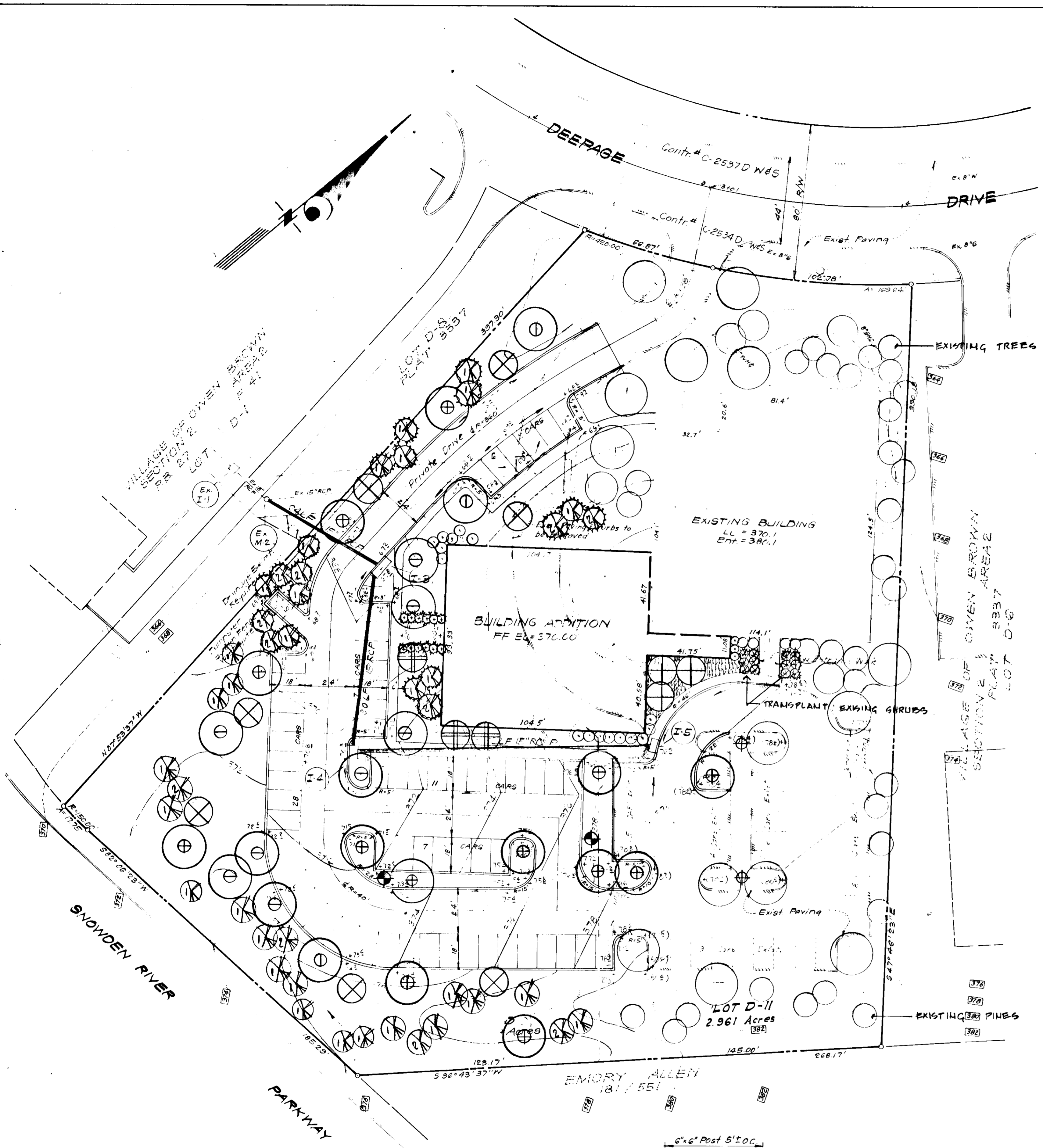
Reviewed for Howard S.C.D.
 Name
 and meets Technical Requirements
 Signature C. Wayne Ray Date 10-10-78
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT.

DEVELOPER'S CERTIFICATE
 I certify that all development and/or construction
 will be done according to the plan of development
 and plan for Erosion and Sediment Control, and I
 authorize periodic on-site inspection by the Howard
 Soil Conservation District or their authorized agents
 as are deemed necessary. Deviation from this plan
 will not be made unless authorized by the Howard
 Soil Conservation District.
 Signature Paul Duncan Date 7/17/78
 Paul Duncan

ENGINEER'S CERTIFICATE
 I hereby 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 Conserva-
 tion District.
 Signature Richard J. H. Stopp Date 7-17-78
 Richard J. H. Stopp



Building Addition to Approved SDP-77-96C
CLARK • FINEROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400
 DESIGNED **SITE DEVELOPMENT PLAN**
 DRAWN **SEDIMENT & EROSION CONTROL DETAILS**
 DRAWN **LOT D-11 A RESUBDIVISION OF LOTS D-9&D-10**
 CHECKED **COLUMBIA**
 DATE **VILLAGE OF OWEN BROWN**
SECTION 2 AREA 2
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
 FILE NO. **1357-X**
 DATE **July, 1978**
 FOR: **HOWARD Co. SPORTS DEVELOPERS**
1118 Ivybush Lane
Columbia, Maryland 21044



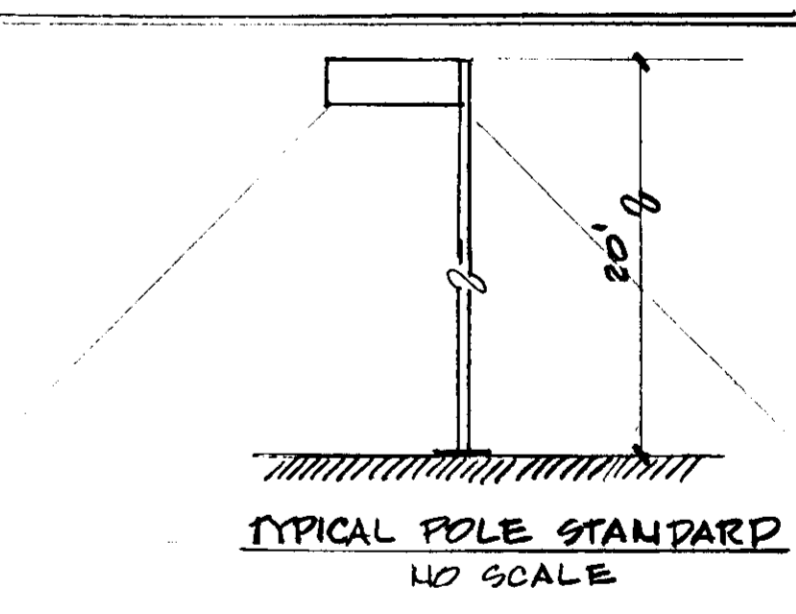
PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QUANT	REMARKS
⊕	ACER- RUBRUM RED MAPLE	2 1/2 - 3" CAL. 12-14' HT.	11 NEW 1 TPL.	B 1 B HEAVY HEADS
⊕	PLATANUS ACERIFOLIA LONDON PLANTLETREE	2 1/2 - 3" CAL. 12-14' HT.	3 NEW	B 1 B HEAVY HEADS
⊕	QUERCUS PALUSTRIS PIN OAK	2 1/2 - 3" CAL. 12-14' HT.	8 NEW 1 TPL.	B 1 B HEAVY HEADS
⊗	MALUS DOUGD DOUGD CRABAPPLE	2-2 1/2" CAL. 8-10' HT.	5 NEW 1 TPL.	B 1 B HEAVY HEADS
⊕	PRUNUS CERASIFOLIA PURPLE LEAF PLUM	2-2 1/2" CAL. 8-10' HT.	3 NEW	" " "
⊕	MALUS RADIANT RADIANT CRABAPPLE	2-2 1/2" CAL. 8-10' HT.	4 TPL.	" " "
⊗	PINUS STROBUS WHITE PINE	6-8' HT.	17 NEW 2 TPL.	B 1 B HEAVY
⊗	PINUS STROBUS WHITE PINE	8-10' HT.	4 NEW	" " "
⊗	PINUS THUNBERGI JAPANESE BLACK PINE	6-7' HT.	9 NEW 3 TPL.	" " "
⊗	PINUS THUNBERGI JAPANESE BLACK PINE	7-8' HT.	3 NEW 3 TPL.	" " "
⊗	ABELIA GRANDIFLORA ABELIA	2-3' HT.	7 NEW 12 TPL.	B 1 B HEAVY
⊗	TAXUS BACATA REPAUDENSE SPREADING ENGLISH YEW	18-24" SP.	12 NEW	B 1 B HEAVY OWNER'S OPTION
⊗	HEDERA HELIX ENGLISH IVY	2 1/2" POT.	1000	10" P.C. OWNER'S OPTION

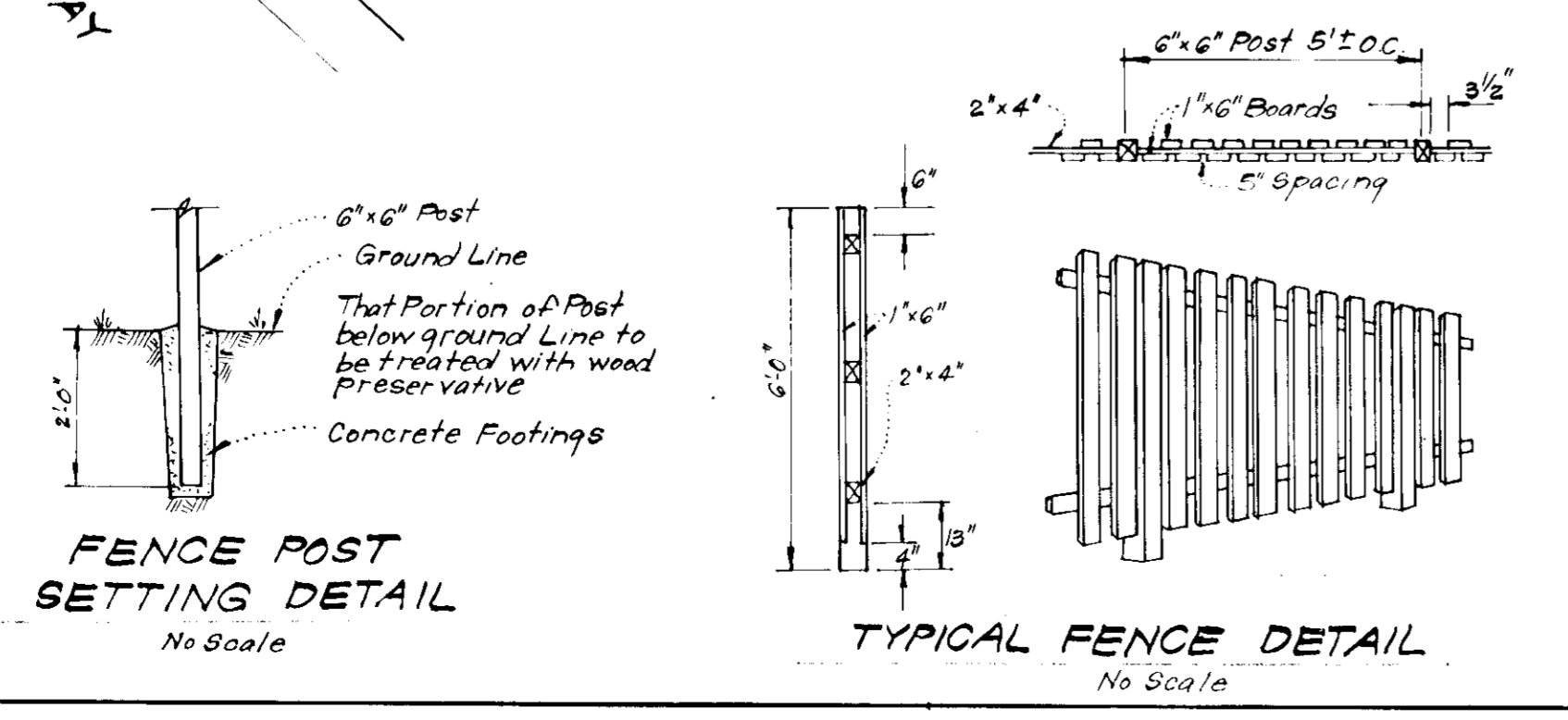
(TPL.) INDICATES EXISTING PLANTS TO BE TRANSPLANTED TO NEW LOCATIONS
 NOTE: ALL PLANT MATERIAL AND PLANTING PROCEDURES SHALL BE IN COMPLIANCE WITH THE STANDARD M.R.D. COLUMBIA PLANTING SPECIFICATIONS.
 CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES

LIGHTING SCHEDULE

⊕ EXISTING LIGHT STANDARD
 ⊕ PROPOSED LIGHT STANDARD - TO BE SAME AS EXISTING I.E. CROUSE-HINDS MODEL ASL #1HC V 2 175 V MERCURY VAPOR CONTROLLED "CUT-OFF" LIGHT WITH ML 2590 PHOTOELECTRIC CONTROL MOUNTED ON 20' POLE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *Joseph M. Boyles* 6-6-78
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR _____ DATE _____
 CHIEF DIVISION OF LAND DEVELOPMENT DATE _____
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR *Joseph F. Nunn* 6-4-78
 CHIEF BUREAU OF ENGINEERING DATE _____



Donald B. Sackett

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 8-30-78

Building Addition to Approved SDP-77-96C

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 13315 LARKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED: NHT
 DRAWN: NHT
 K.I.W.
 CHECKED: W.H.T.
 DATE: July, 1978

LIGHTING & LANDSCAPE PLAN
 LOT D-11 A RESUBDIVISION OF LOTS D-9 & D-10
COLUMBIA
 VILLAGE OF OWEN BROWN
 SECTION 2, AREA 2
 8th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: HOWARD Co. SPORTS DEVELOPERS
 11118 Ivybush Lane
 Columbia, Maryland 21044

SCALE: 1"=30'
 DRAWING: 4 of 4
 JOB NO.:
 FILE NO.: 1357-X

SDP-79-11C