

**TEST BORING DATA**

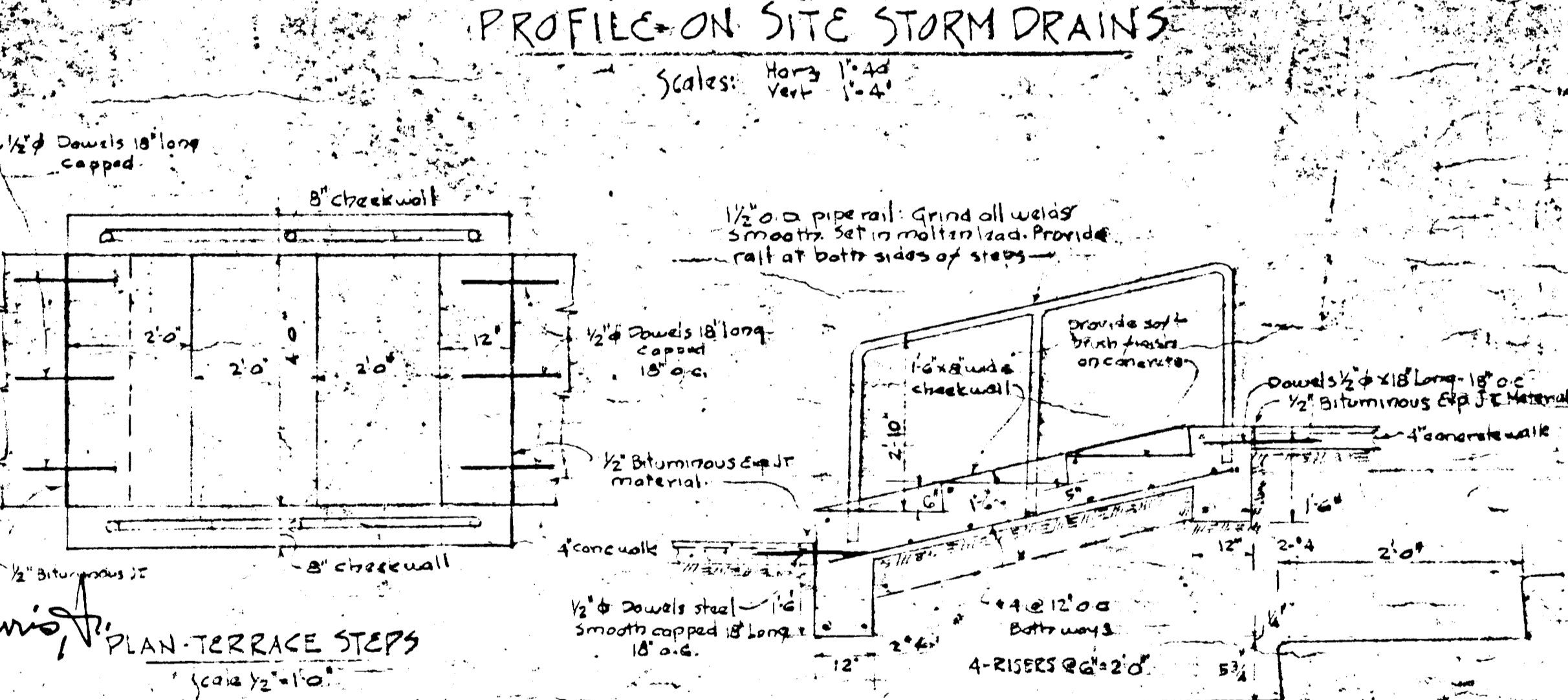
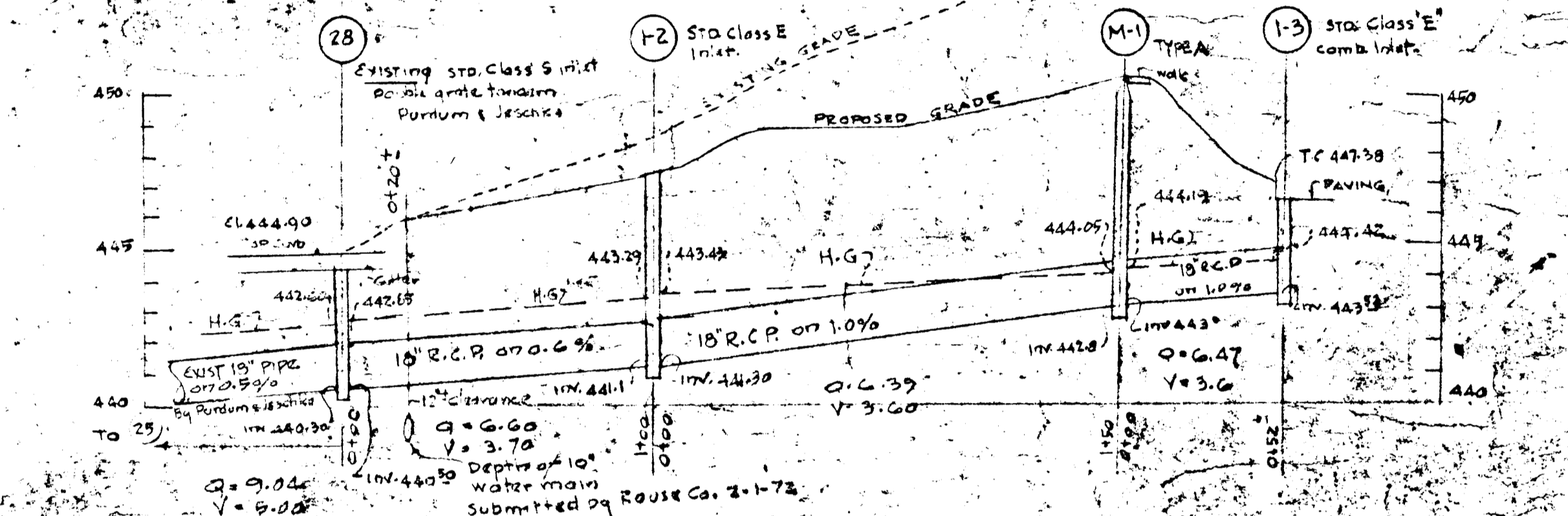
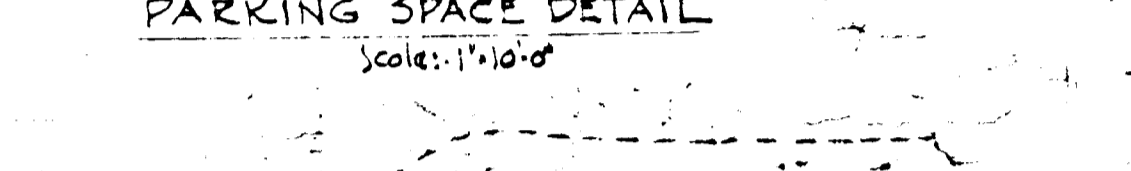
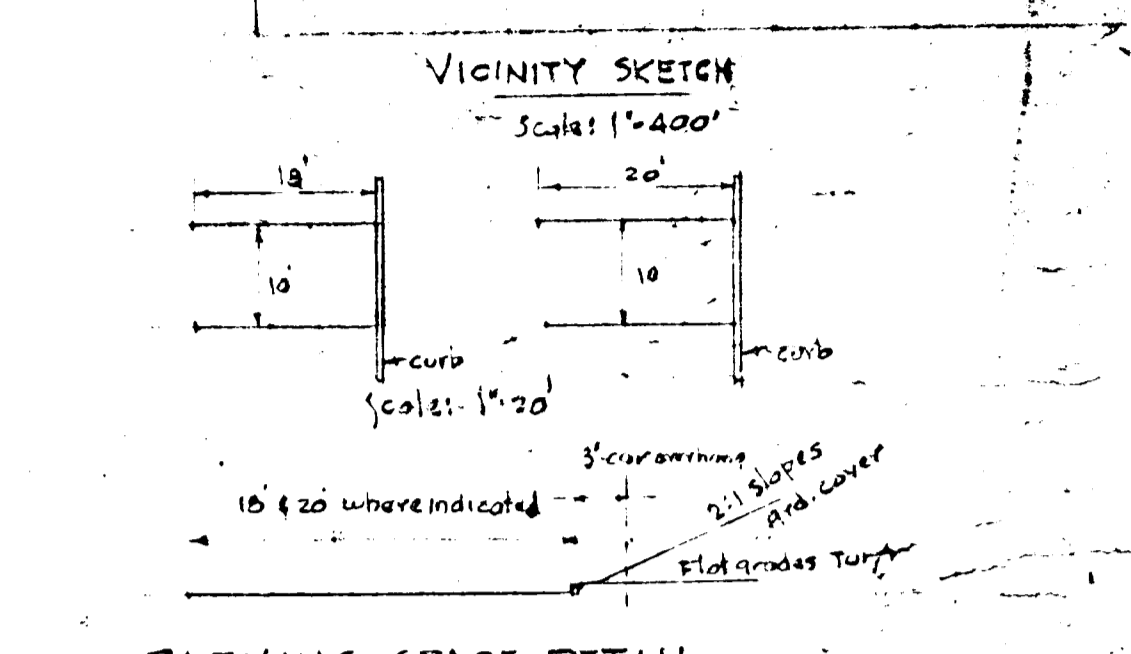
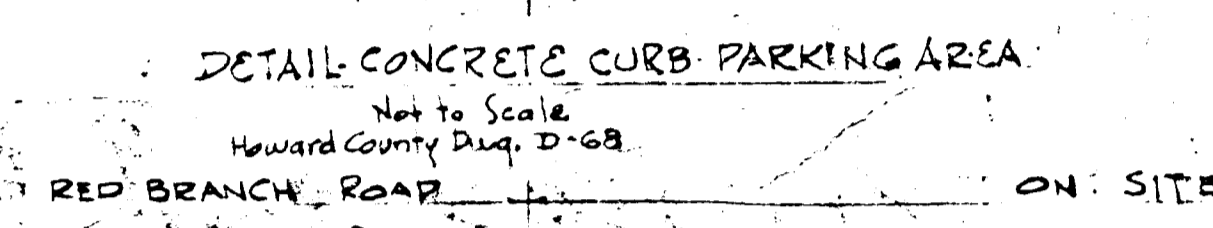
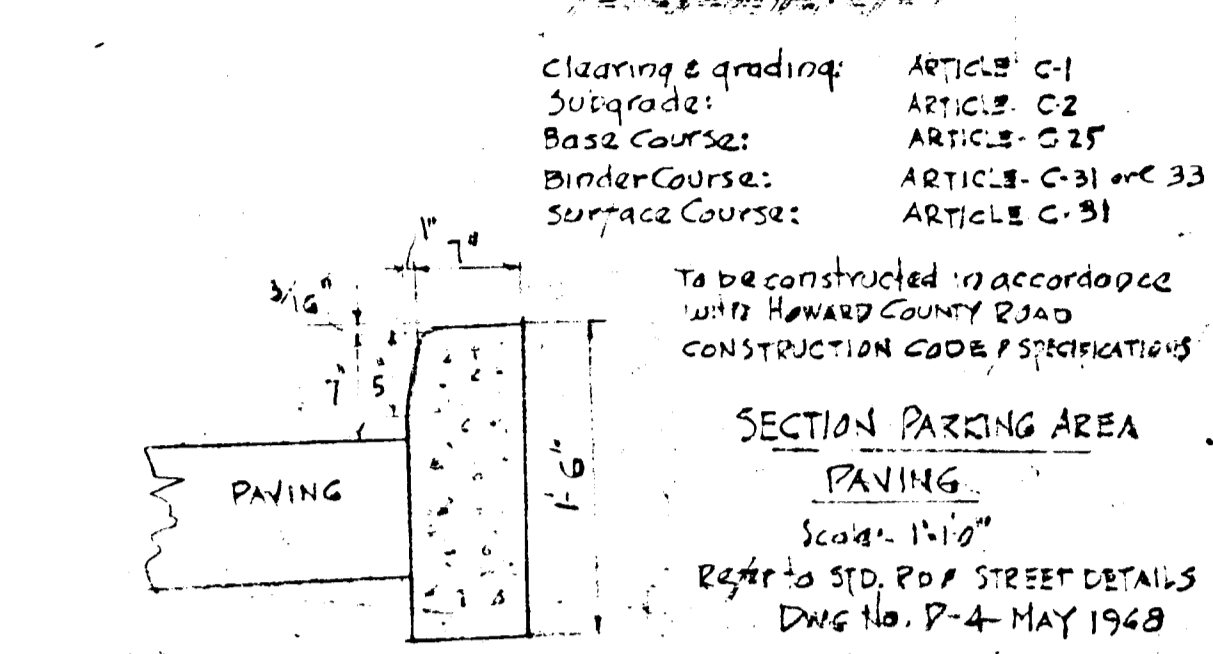
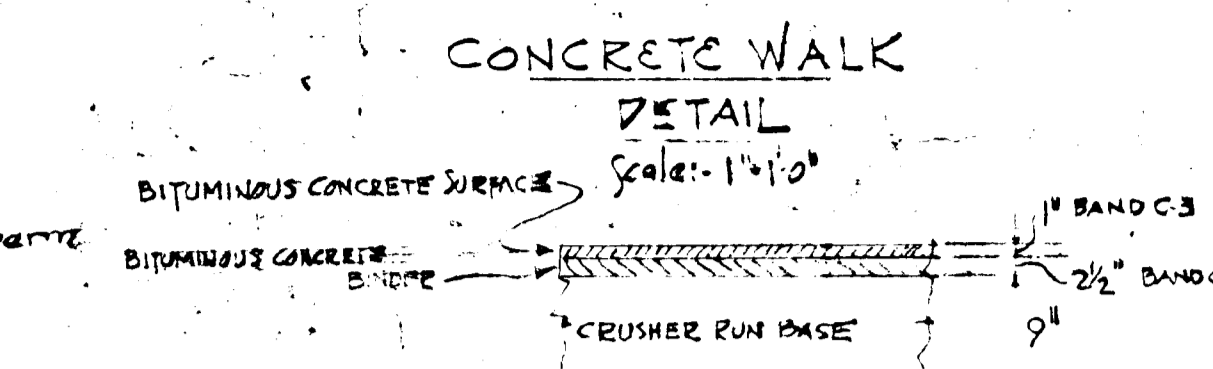
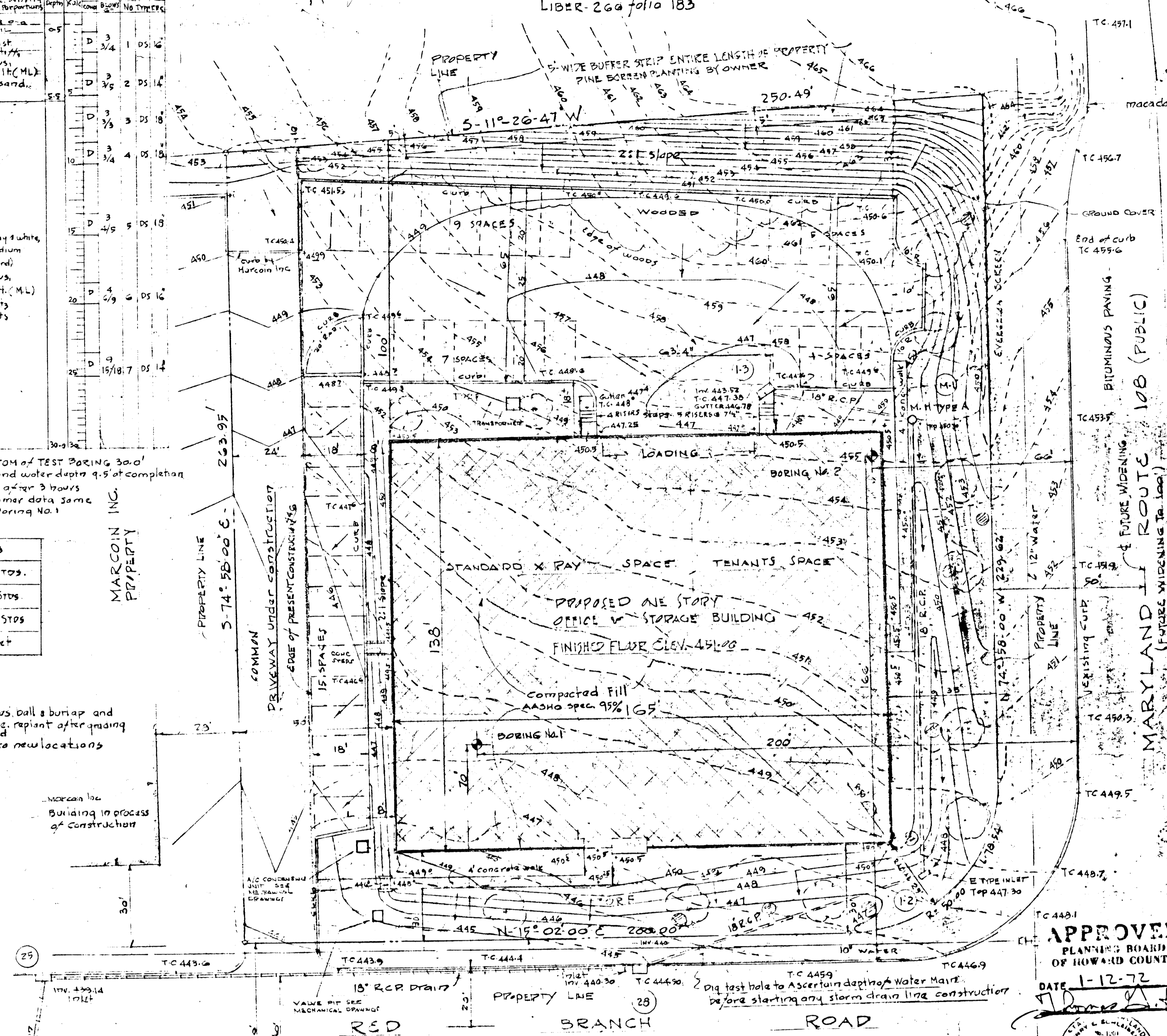
BORING No. 1				BORING No. 2			
SOIL DESCRIPTION	DEPTH (ft)	SAMPLE NO.	TESTS	SOIL COMPOSITION	DEPTH (ft)	SAMPLE NO.	TESTS
Surface soil	0-2	1	1 D 14	Surface soil	0-2	1	1 D 14
Brown clay, moist, micaceous, silty, sandy, silty (ML)	2-3	2	1 D 14	Brown, moist, micaceous, clayey silt (ML), trace of sand.	2-3	2	1 D 14
Brown clay, moist, micaceous, silty, sandy, silty (ML) with quartz fragments & mica	3-5	3	1 D 14		3-5	3	1 D 14
Brown & gray, moist, medium dense, silty sand (SM) with mica fragments & mica	5-7	4	1 D 14		5-7	4	1 D 14
Brown & gray, moist, very silty, micaceous, silty, sandy, silty (CL) with mica	7-9	5	1 D 14		7-9	5	1 D 14
Brown & gray, moist, very silty, micaceous, silty, sandy, silty (ML) with mica	9-11	6	1 D 14		9-11	6	1 D 14
Brown & gray, moist, medium dense, silty sand (SM) with mica fragments	11-13	7	1 D 14		11-13	7	1 D 14
Brown & gray, moist, very silty, micaceous, silty, sandy, silty (CL) with mica	13-15	8	1 D 14		13-15	8	1 D 14
Brown & gray, moist, medium dense, silty sand (SM)	15-17	9	1 D 14		15-17	9	1 D 14

ENGINEER'S CERTIFICATION: I CERTIFY THAT THE PLAN OF DEVELOPMENT AND THE PLAN FOR THE CONTROL OF EROSION MEETS THE REQUIREMENTS, STANDARDS AND SPECIFICATIONS OF THE HOWARD SOIL CONSERVATION DISTRICT.

VINCENT J. MIANULLI  
LIBER 26a folio 183

ENGINEER'S CERTIFICATION: I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN OF EROSION AND SEDIMENT CONTROL.

Bench Mark No. 1 Elev. 444.85, cut S.E. corner curb inlet South side Red Branch Rd. 150' East of MD. Route 108



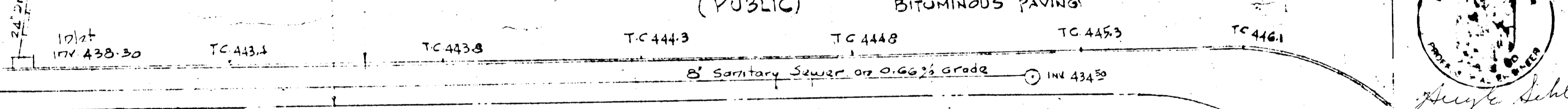
**MANHOLE & INLET SCHEDULE**

Structure No.	Invert Elevations	Type of Structure	Remarks
I-3	443.52 / 447.39	Standard inlet	Howard Co. Stps.
M-1	443.0 / 450.30	Standard TYP. M.H.	Howard Co. Stps.
I-2	441.30 / 447.30	Standard inlet	Howard Co. Stps.
23	440.50 / 440.30	Class 5 manhole	Existing inlet

**NOTES:**  
 1. Dig existing trees, pull & stump and heal in on site, replant after grading is completed.  
 2. New locations of existing trees.  
 3. Present locations existing trees to be moved to new locations.

- LEGEND**
- ORIGINAL GRADE CONTOURS
  - - - - PROPOSED GRADE CONTOURS
  - + 4TH1 PROPOSED SPOT ELEVATIONS
  - PROPOSED STORM DRAIN STRUCTURES
  - EXISTING STORM DRAINS
  - EXISTING WATER MAINS
  - EXISTING SANITARY SEWER
  - INDICATES BORING LOCATION
  - 440.9 Existing Spot Elevations.

NOTE: TOPOGRAPHY SHOWN (EXCEPT FOR COMMON DRIVEWAY) IS BASED ON PLAT PREPARED BY JOSEPH O. THOMPSON INC DATED JUNE 22, 1971.  
 PROPOSED CONTOURS FOR THE COMMON DRIVEWAY HAVE BEEN ESTABLISHED FROM PLAT PREPARED BY PIRROUM MULLEN DATED NOV 10, 1970.  
 LOCATION OF WATER LINES SHOWN TAKEN FROM PLAT TITLED PROPERTY SURVEY LOT 40, HOWARD RESEARCH AND DEVELOPMENT CORP., COLUMBIA, MARYLAND.  
 BENCH MARK TAKEN FROM SITE PLAN MARCOIN INC DATED NOV 10, 1970 PREPARED BY PURDUM & BESCHKE



APPROVED PLANNING BOARD OF HOWARD COUNTY  
DATE 1-12-72

**SITE PLAN**  
SCALE: 1/200'

<p>WATER AND SEWERAGE SYSTEMS ARE PUBLIC</p> <p>APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DATE: 4-12-72</p>	<p>APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS</p> <p>HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DATE: 4/10/72</p>	<p>OFFICE &amp; STORAGE BUILDING TO BE BUILT IN JAYLAND RIDGE INDUSTRIAL PARK SECTION 2, LOT 45 &amp; 46 SCALES AS SHOWN COLUMBIA, MARYLAND 2ND ELEC. DIST.</p> <p>PREPARED BY: STANDARDO X-PAY SALES CORP. OF MD. 117 E. 20th STREET, BALTO, MD.</p>	<p>SITE PLAN &amp; DETAIL</p> <p>DATE: FEB 4, 1972</p> <p>SSP-TL-SOC</p>
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TEST BORING DATA

Table with columns for BORING NO., SOIL COMPOSITION, and SAMPLE. Includes data for BORING NO. 1 and BORING NO. 2.

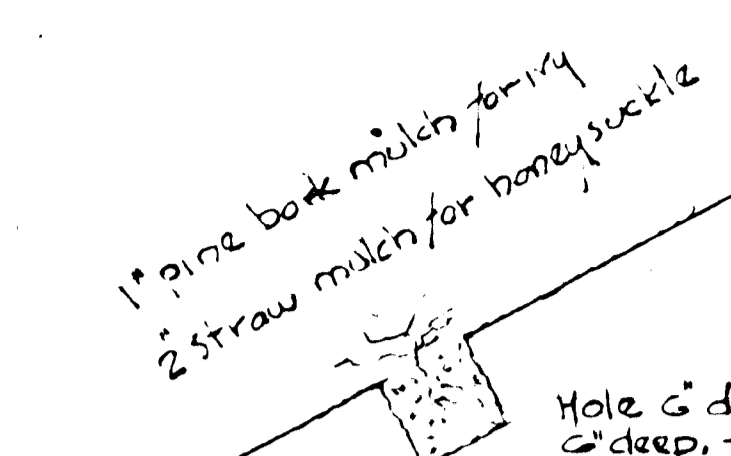
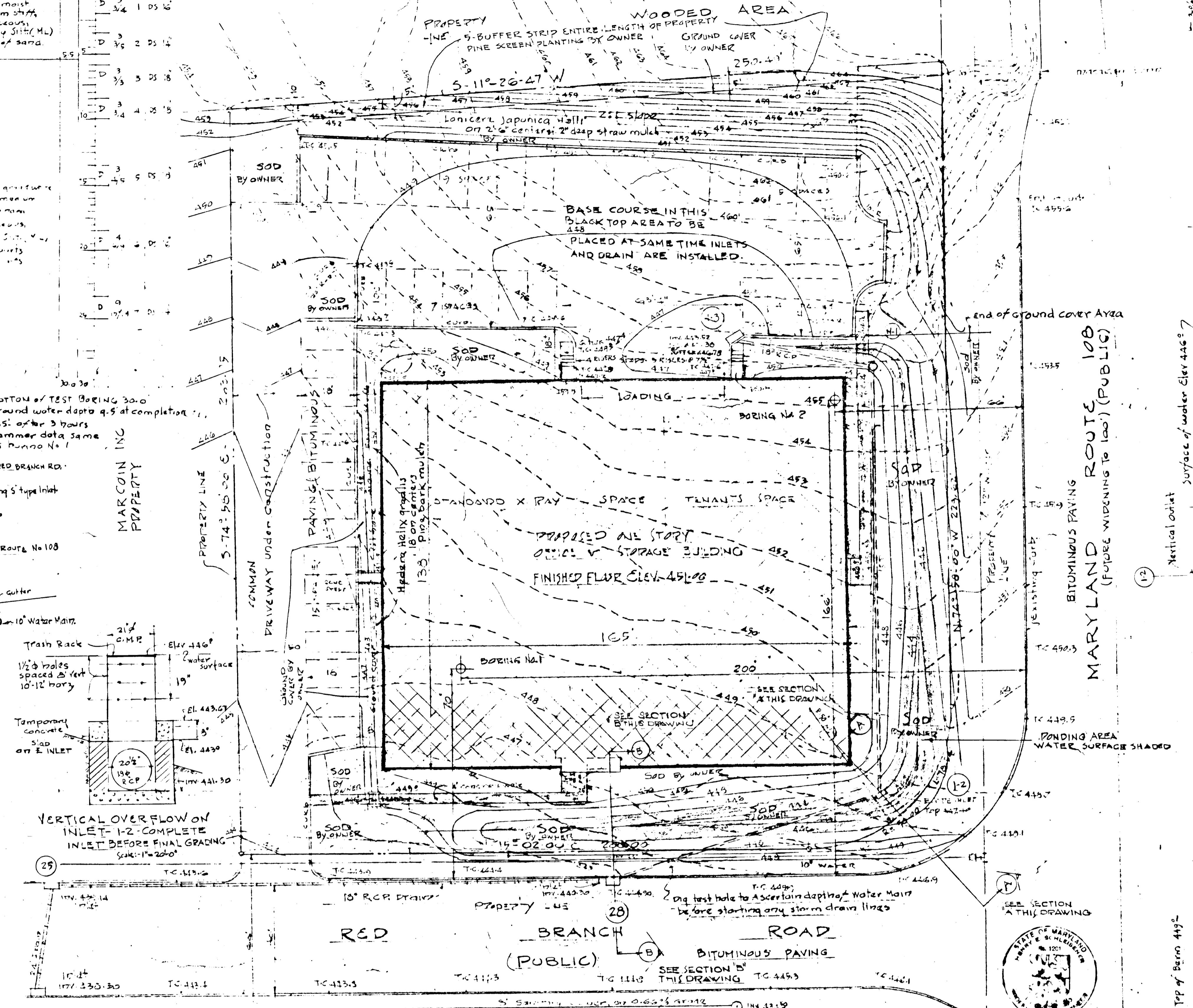
OWNER'S CERTIFICATION

I CERTIFY THAT THE PLAN OF DEVELOPMENT AND THE PLAN FOR THE CONTROL OF SOIL EROSION MEETS THE REQUIREMENTS, S.D.S. AND SPECIFICATIONS OF THE HOWARD SOIL CONSERVATION DISTRICT.

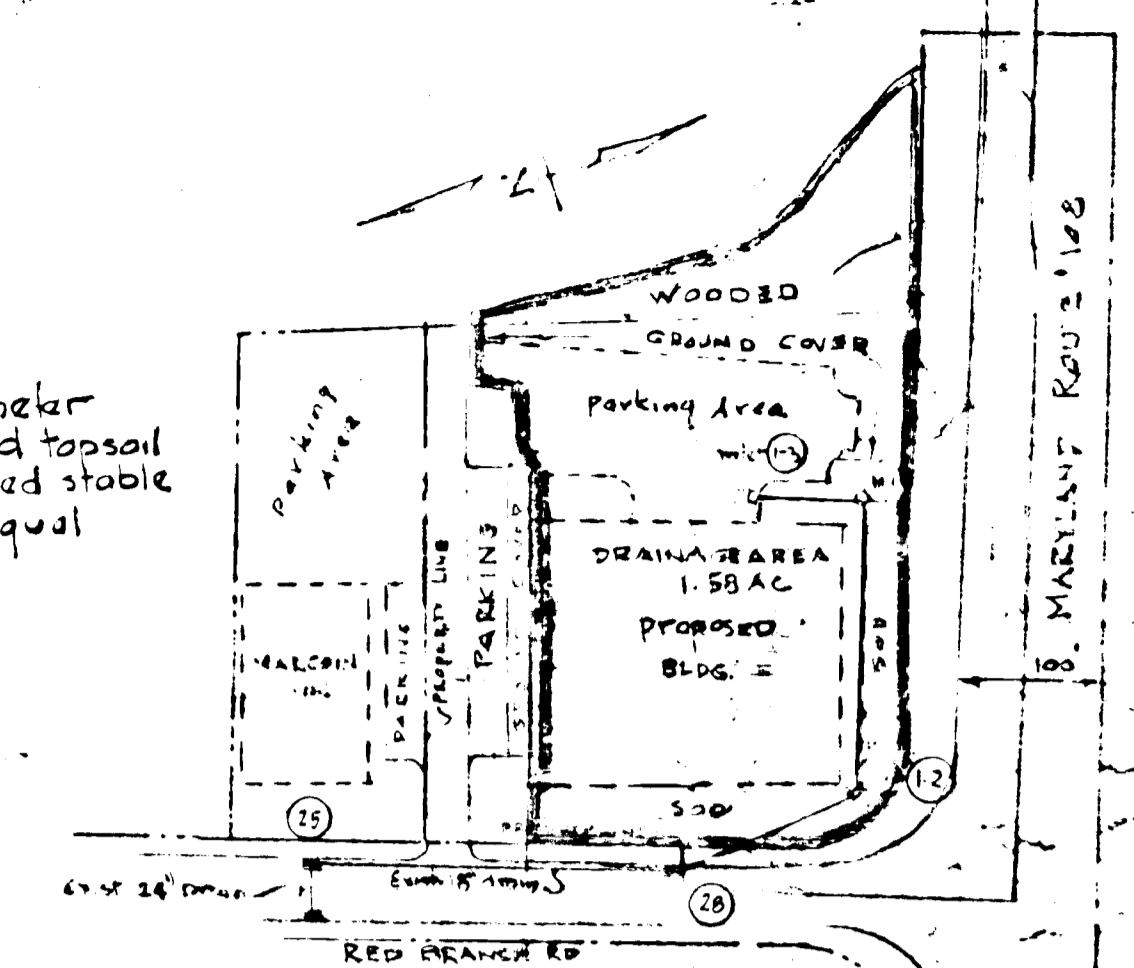
OWNER'S CERTIFICATION

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN OF SOIL EROSION AND SEDIMENT CONTROL.

VINCENT J. MIANULLI  
LIBER No 266 folio 183



12 inch hole mulch for home use  
2 straw mulch for home use



SKETCH  
SEDIMENTATION CONTROL AREA  
Scale: 1"=100'-0"

STORAGE = 0.5 inches x 1.58 ACRES x 1/2 = .06 ACRES FT.  
APPROX. VOLUME OF BASIN = (0.4)(0.10 acres)(4 depth) = 0.128 ACRES FT.  
BASIN TO BE CLEANED OUT WHEN WATER LEVEL SINKS 1.32 BELOW TOP OF RISER  
STORAGE CAPACITY TO TOP OF RISER IS 396 CUBIC YDS OF WATER  
396 cu yds (10692 cu ft @ 7.5 gal = 80190 gal)

NOTE ALL SODDING & LANDSCAPING BY OWNER EXCEPT RELOCATING OF EXISTING TREES INDICATED ON DRAWING A-1

SUGGESTED SEDIMENTATION CONTROL PROCEDURE

- 1. Strip topsoil and stockpile along undisturbed area along Route 108 enough for a 3" deep spread on all sodded areas shown on plan.
2. Do not sod or topsoil the ponding area vicinity along the west and south side of the building until final grading shown on Dwg A-1 is completed by owner.
3. Rough & fine grade the entire site constructing the ponding area and berm along RED BRANCH ROAD, as shown hereon.
4. Construct drainage system as shown on Dwg A-1 and place riser on INLET 1-2 as shown hereon.
5. Lay crusher run base, place curbs on the two parking Areas shown at the same time storm drain lines are placed to avoid copping INLET 1-3.
6. Plant ground cover on slopes as shown hereon (see Detail). BY OWNER.
7. Fill in ponding area and place finished grading as shown on Dwg A-1. Topsoil all areas shown to be sodded (Sod by owner).

- LEGEND: ORIGINAL GRADE CONTOURS, PROPOSED GRADE CONTOURS, PROPOSED SPOT ELEVATIONS, PROPOSED STORM DRAIN STRUCTURES, EXISTING STORM DRAINS, EXISTING WATER MAINS, EXISTING SANITARY SEWER, MARCOIN INC. GRADE CONTOURS, Existing spot Elevation.

NOTE: TOPOGRAPHY SHOWN (EXCEPT COMMON DRIVEWAY) IS BASED ON PLAT PREPARED BY JOSEPH D. THOMPSON NC DATED JUNE 12, 1971.
PROPOSED CONTOURS FOR THE COMMON DRIVEWAY HAVE BEEN ESTABLISHED FROM PLAT PREPARED BY JOSEPH D. THOMPSON NC DATED NOV. 10, 1970.
LOCATION OF WATER LINES SHOWN TAKEN FROM PLAN TITLED PROPERTY SURVEY LOT 46, HOWARD RESEARCH AND DEVELOPMENT CORP. COLUNIA, MARYLAND.

SEDIMENTATION PLAN  
SCALE: 1"=20'-0"

Approval stamps and signatures from Howard County Health Officer, Planning Board, and Soil Conservation District. Includes project name: OFFICE STORAGE BUILDING TO BE BUILT IN JAYLAND RIDGE INDUSTRIAL PARK.

Branch Mark No. 1. Elev. 414.85 @ cut SE corner curb inlet  
 South side Red Branch Rd. 197' East of MD. Route 108

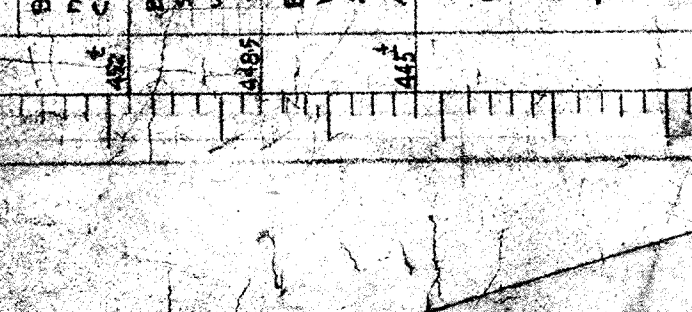
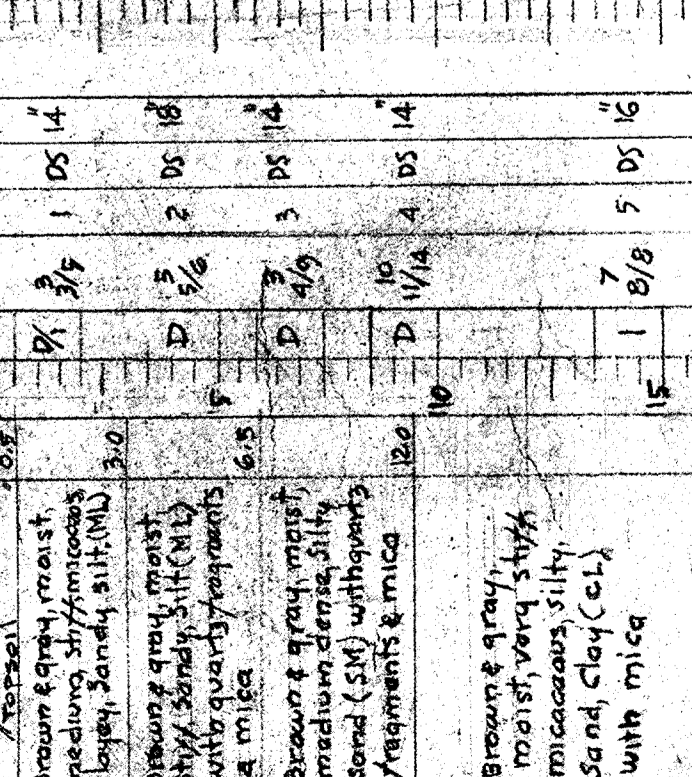
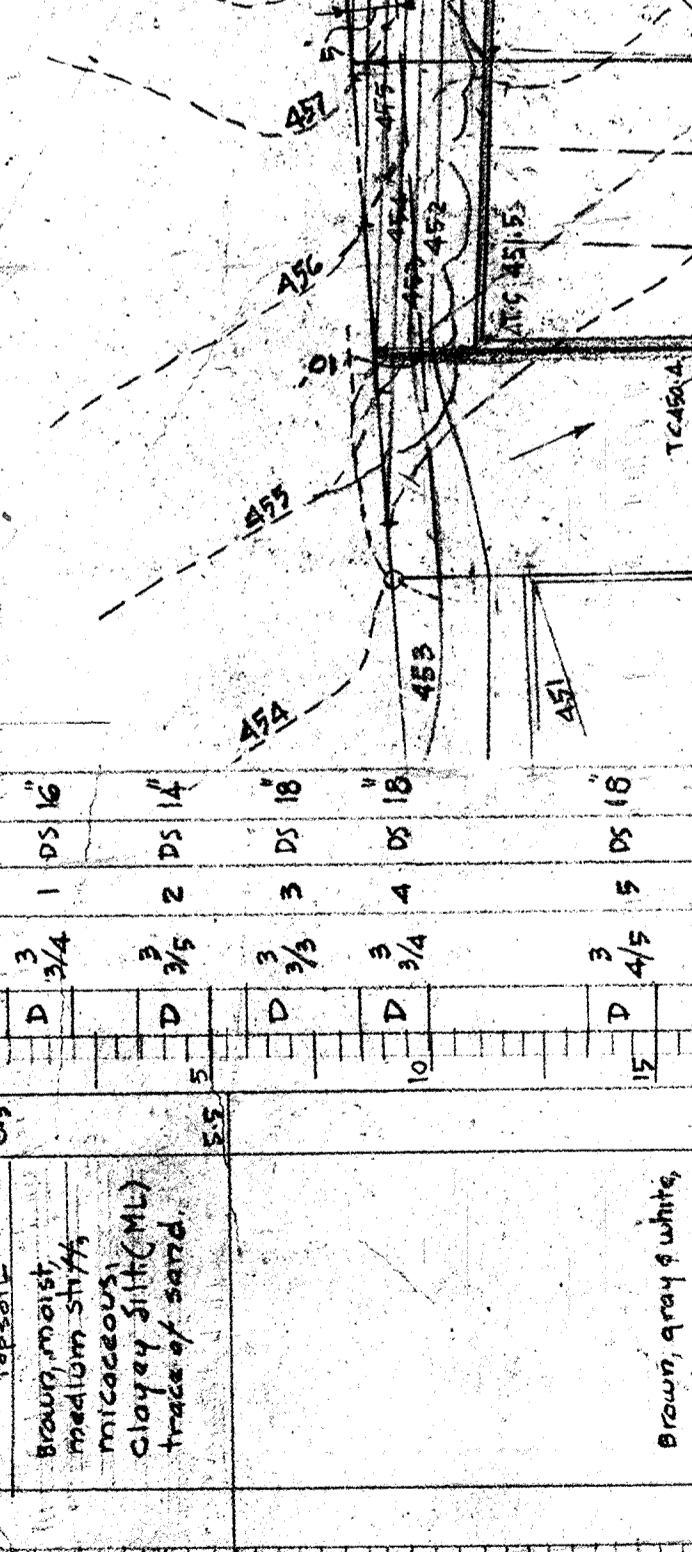
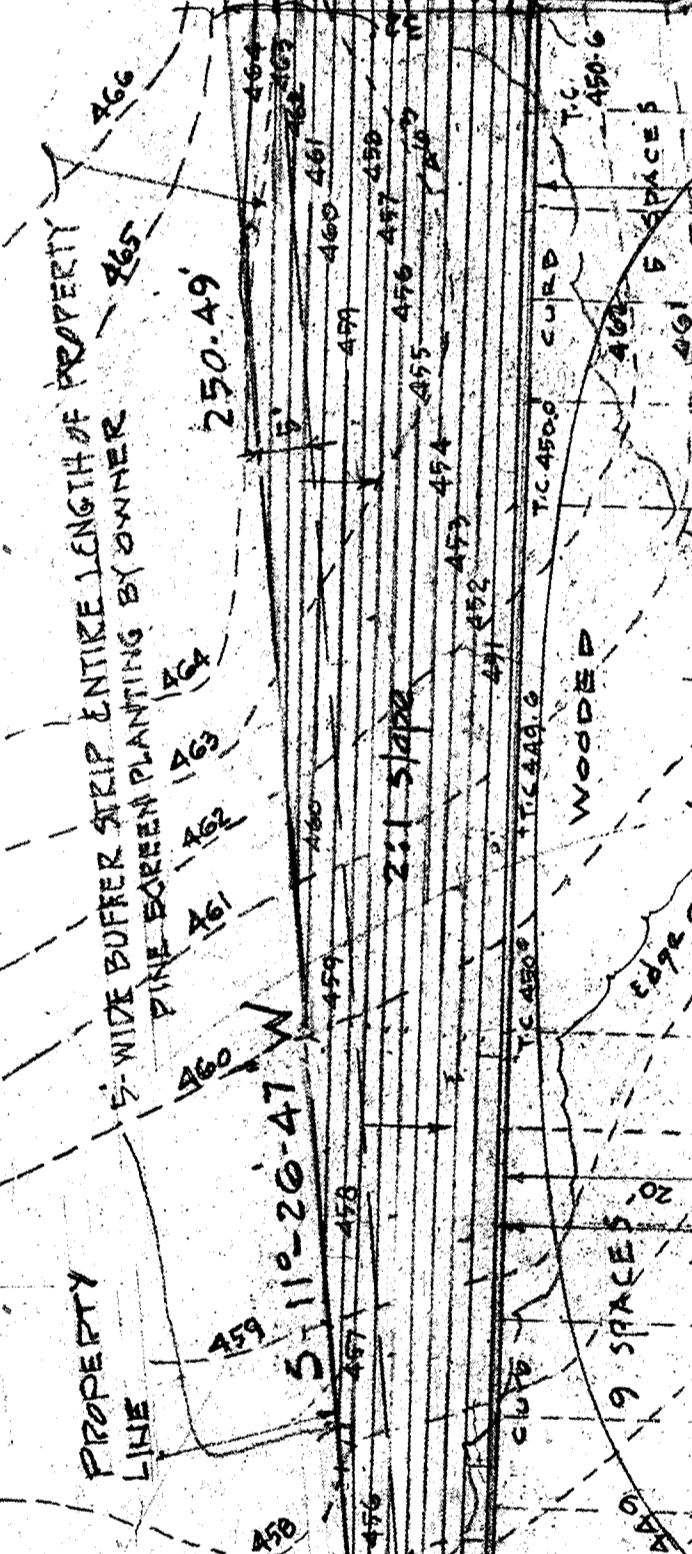
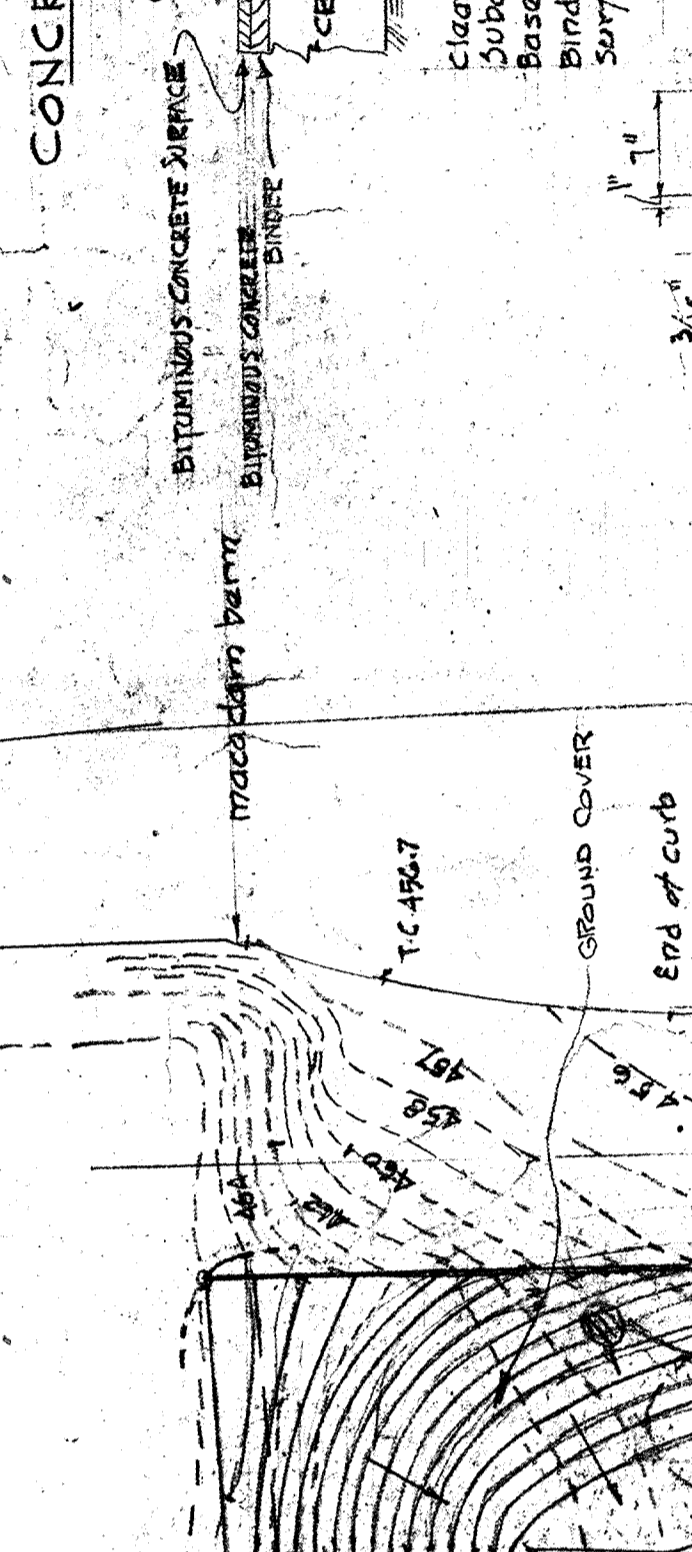
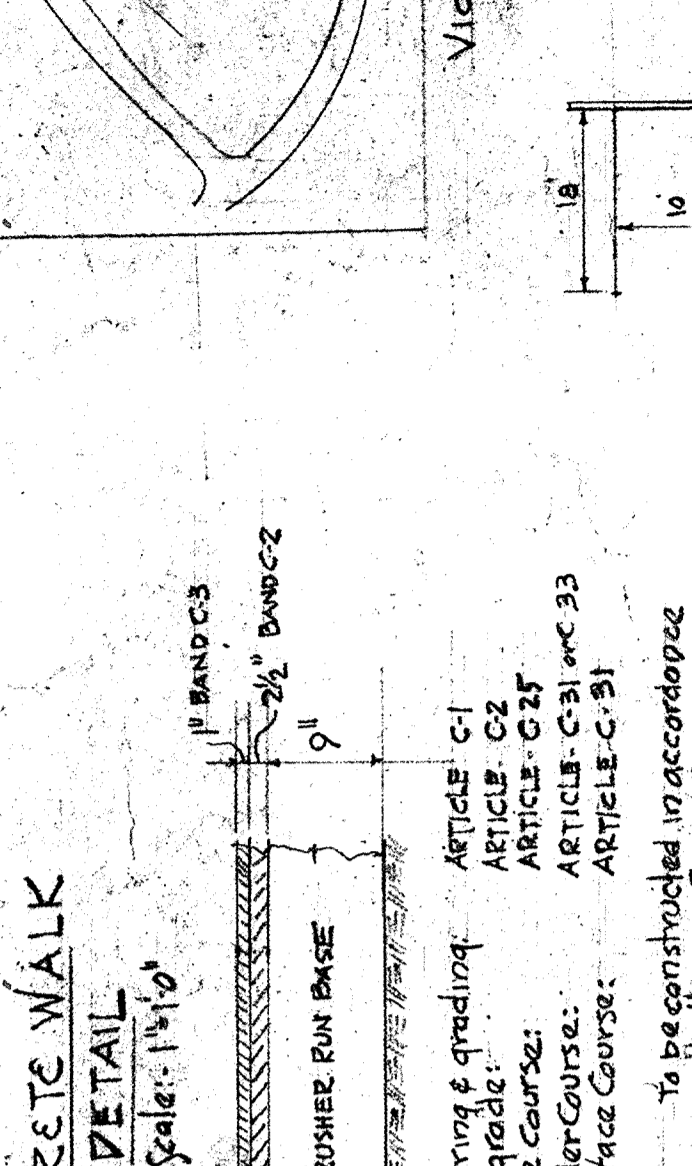
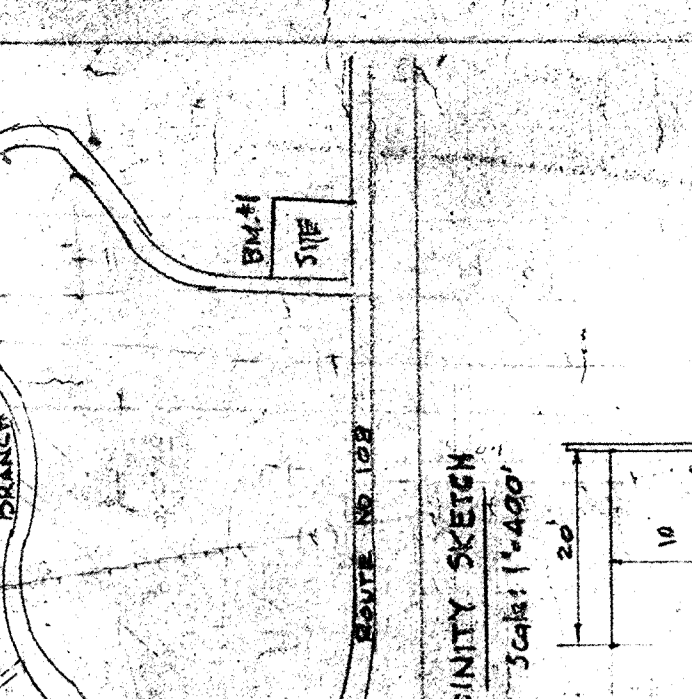
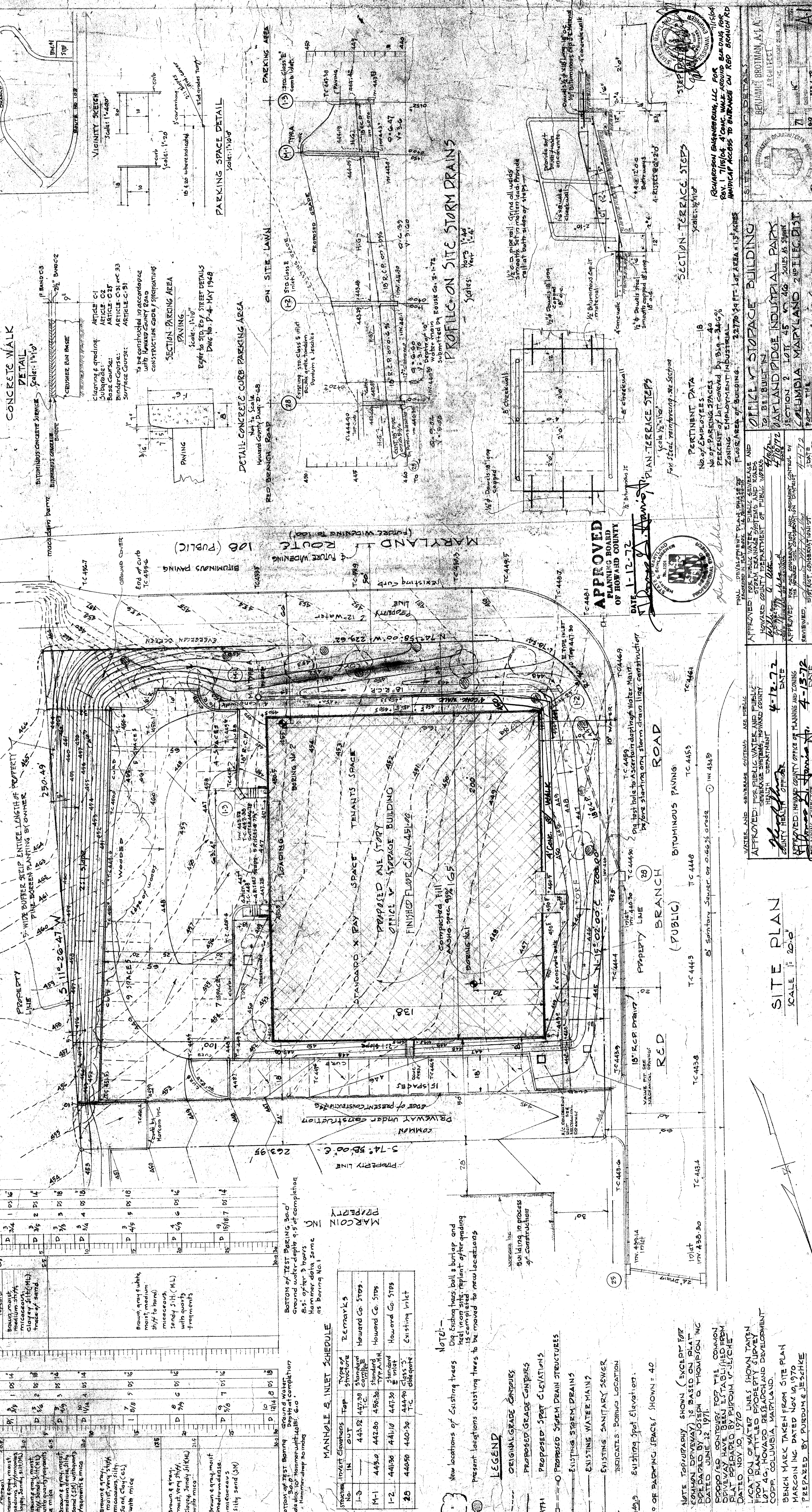
OWNER CERTIFICATION  
 I, VINCENT J. MIANULLI, LIBER-269 7410 183  
 HEREBY CERTIFY THAT THE DEGREE OF DEVELOPMENT AND THE  
 LOCATION OF ALL UTILITIES AND THE LOCATION OF ALL  
 UTILITIES ARE IN ACCORDANCE WITH THE REQUIREMENTS OF  
 THE HANOVER COUNTY ZONING AND SUBDIVISION ORDINANCES

ENGINEER CERTIFICATION  
 I, STONED WALTERS, HEREBY CERTIFY THAT THE DEGREE OF DEVELOPMENT AND THE  
 LOCATION OF ALL UTILITIES AND THE LOCATION OF ALL  
 UTILITIES ARE IN ACCORDANCE WITH THE REQUIREMENTS OF  
 THE HANOVER COUNTY ZONING AND SUBDIVISION ORDINANCES

APPROVED  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE 1-12-72

APPROVED  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE 1-12-72

APPROVED  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE 1-12-72



TEST BORING DATA

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION
1	0-1	Surface soil
2	1-2	...
3	2-3	...
4	3-4	...
5	4-5	...
6	5-6	...
7	6-7	...
8	7-8	...
9	8-9	...
10	9-10	...
11	10-11	...
12	11-12	...
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97	96-97	...
98	97-98	...
99	98-99	...
100	99-100	...

MANHOLE & INLET SCHEDULE

STATION	INVERT ELEVATION	TOP OF STRUCTURE	REMARKS
1-3	443.52	447.30	Standard manhole Howard Co. Stps.
M-1	443.0	450.30	Standard manhole Howard Co. Stps.
I-2	441.30	447.30	Standard manhole Howard Co. Stps.
20	440.50	444.30	Class 3 manhole Howard Co. Stps.

NOTE: -  
 New locations of existing trees  
 present locations existing trees to be moved to new locations

LEGEND  
 ORIGINAL GRADE CONTIGUES  
 PROPOSED GRADE CONTIGUES  
 PROPOSED SPOT ELEVATIONS  
 PROPOSED STEM DRAIN STRUCTURES  
 EXISTING STEM DRAINS  
 EXISTING WATER MAINS  
 EXISTING SANITARY SEWER  
 INDICATES BORING LOCATION  
 449.3 Existing spot elevation.

NOTE TOPOGRAPHY SHOWN (EXCEPT FOR  
 COMMON DRIVEWAY) IS BASED ON PLAT  
 SURVEYED BY JOSEPH D. THOMPSON INC  
 DATED JUNE 22 1971.  
 PROPOSED HIGH CONTIGUES FOR THE COMMON  
 DRIVEWAY ARE BASED ON SURVEY  
 DATED NOV. 10, 1970  
 LOCATION OF WATER LINES SHOWN TAKEN  
 FROM PLAT FOR PROPERTY SURVEY  
 LOT 46, HOWARD BEBACH AND DEVELOPMENT  
 CORP., COLUMBIA, MARYLAND.  
 BEACH MARK TAKEN FROM SITE PLAN  
 MARCHING INC DATED NOV. 10, 1970  
 PREPARED BY PURDUM & JESCHKE

APPROVED  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE 1-12-72

APPROVED  
 PLANNING BOARD  
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**SITE PLAN**  
 SCALE: 1" = 20'-0"

NO. OF PARKING SPACES SHOWN = 40

PERTINENT DATA  
 No. of parking spaces: 40  
 Percent of lot covered by building: 24.6%  
 Zoning: Employment Industrial  
 Floor area of building: 2270 sq. ft. lot area: 1.3 acres

OFFICE & STORAGE BUILDING  
 TO BE BUILT IN  
 SECTION 2, LOT 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

STANDARD X-PAY SALES CORP. OF MD.  
 437 E. 70th STREET, BALTIMORE, MD. 21202

PREPARED BY PURDUM & JESCHKE