### Zoning Board of Appeals May 22, 2013 Regular Meeting

### STAFF REPORT

Subject: ZBA13-010, 2300 Traverwood Drive

**Summary:** First Martin Corporation is requesting two variances:

- 1) A variance from Chapter 60(Wetlands) Section 5:204 (1) A proposal to fill 6,787 square feet of wetland without obtaining the required Wetland Use Permit.
- 2) A variance from Chapter 59(Off-Street Parking) Section 5:167 (Required Parking) of 231 parking spaces in order to exceed the maximum number of parking spaces permitted. A maximum of 268 parking spaces is permitted.

### **Background:**

The parcel is zoned ORL (office, research, limited industrial district) and is located on the southeast corner of Traverwood and Huron Parkway. The parcel is 13.2 acres and contains a large linear wetland through the center of the site. This large wetland is regulated by the City of Ann Arbor and will not be affected by the proposed construction of the parking lot or future building. There is one 66,878 square foot office building existing which was constructed in 1999. There is a valid site plan approved for a second 66,878 square foot building, as well as the corresponding required parking, to be constructed on the site. The petitioner has recently submitted an Administrative Amendment in order to extend the expiration date of the site plan and install only the parking (without the corresponding building) approved for Phase II at this time. Installation of that parking would exceed the maximum number of spaces permitted for the existing building. After construction of the parking, the site will have 525 parking spaces, there are currently 294 parking spaces on the site. The maximum permitted by code is 268; however the existing building was constructed before the maximum parking requirement was adopted.

In 1996-97 the site was mass graded in preparation for construction of the existing office building. This grading did create an area that has evolved into a wetland as categorized by the City of Ann Arbor. The previous site plan approved for the exiting building did not designate this area as a wetland. In preparation for the current Administrative Amendment, the petitioner enlisted a wetland consultant to verify existing wetland boundaries. During this process, the consultant flagged this additional area as a wetland. The new wetland area is approximately 6,787 square feet and would be considered a low quality wetland per the Land Development Regulations of Chapter 57, however due to its proximity to an inland, lake or stream as defined by the State of Michigan, it may be regulated by the MDEQ. City wetland regulations are independent of MDEQ wetland regulations; and approval by one entity does not constitute approval by the other. The petitioner must submit an application to the MDEQ for disturbance to the new wetland; if the MDEQ determines a wetland permit is required, this permit will need to be obtained and provided to the City before construction is allowed to proceed. If MDEQ

Zoning Board of Appeals ZBA13-010 Variance May 22, 2013 - Page 2

determines that a state wetland permit is not required, than the MDEQ's determination letter must be provided to the City.

The petitioner is proposing to remove this wetland in order to construct a new parking lot, the petitioner has indicated that protection of the wetland will result in approximately 70 less parking spaces. According to Chapter 60 (Wetlands), a wetland use permit is required to fill the wetland.

5:204. - Activities which require a use permit.

Except as otherwise provided by this chapter or by a use permit obtained from the city, a person shall not:

- (1) **Deposit or permit the placing of fill material in a wetland**.(emphasis added by staff)
- (2) Dredge, remove, or permit the removal of soil or minerals from a wetland.
- (3) Construct, operate, or maintain any use or development in a wetland including draining or directing water from an upland activity into a wetland.
- (4) Drain surface water from a wetland.

The petitioner could construct all improvements shown on the existing site plan without the need for a wetland use permit (due to the fact the wetlands were not identified at the last plan review). However, the building and parking would have to be constructed, as approved previously, in order to avoid exceeding the maximum parking permitted.

### Variance #1:

### Chapter 60 (Wetlands) Variance - Standards for Approval

The ZBA has the power to grant a variance from the Wetland Use Permit requirement according to Chapter 60 Section 5:220:

- (1) A decision by an administrative official of the City regarding a use permit may be appealed to the Zoning Board of Appeals, in accordance with procedures established in Chapter 55. Except as provided for in section (2), the zoning board of appeals will have the same powers and limitations as provided in Chapter 55
- (2) A variance may be granted from the provisions of this chapter when evidence supports at least one of the following affirmative findings:

Zoning Board of Appeals ZBA13-010 Variance May 22, 2013 - Page 3

- (a) That the public benefit intended to be served by this chapter will be retained, despite more disruption of the wetland than permitted.
- (b) That the topographical features or special characteristics of the site create conditions such that strict application of the provisions of this chapter will result in less protection of the wetland.
- (c) That the application of this chapter would deny all reasonable use of the property.
- (d) That practical difficulties or unnecessary hardship exist or will occur as specified in Chapter 55, Section 5:99 of the City Code.

The petitioner is seeking a variance from the requirement for a wetland use permit based on the fact the wetland has evolved after the re-grading of the site from previous construction activity. A Wetland Use Permit is required by Chapter 60 and must be approved by City Council after a recommendation by the City Planning Commission. If the variance is approved, no action by Planning Commission or City Council will be required. However, the approval from the MDEQ may still be required. City staff will review the Administrative Amendment and grading plans to ensure no impact to the larger linear wetland will occur.

### Variance #2:

### Chapter 59 (Off-Street Parking) Variance - Standards for Approval

The Zoning Board of Appeals has all the power granted by State law and by Section 5:99, Application of the Variance Power, from the City of Ann Arbor Zoning Ordinance and Chapter 59, Section 5:566. The following criteria shall apply:

The Zoning Board of Appeals shall have authority to interpret this chapter and may in specific cases and after public notice and hearings in accordance with Chapter 55 of this Code grant variances and exceptions to these requirements, providing such variance or exception is in harmony with the general purpose and intent of the requirements. The procedural requirements for appeals under Chapter 55 shall be applicable to appeals under this chapter.

The petitioner is seeking to exceed the maximum number of parking spaces by 231 spaces. The parking maximum was established in 2000 and was intended to help limit unnecessary impervious surfaces and prevent new developments from providing parking far in excess of what is needed on a daily basis. The existing office building was constructed in 1999 before a maximum parking standard was adopted. While Chapter 59 limits the amount of parking that

Zoning Board of Appeals ZBA13-010 Variance May 22, 2013 - Page 4

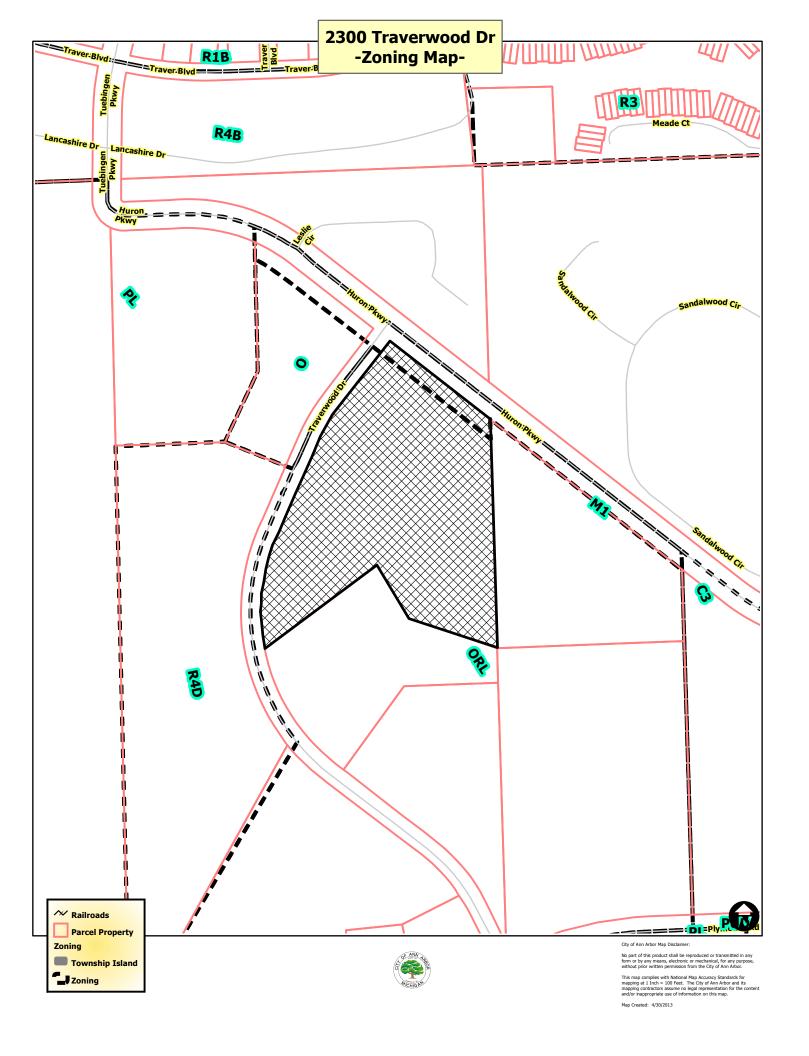
can be provided, the general purpose and intent is to ensure all developments have sufficient parking for customers and employees. The new parking area will be designed using code requirements for depressed bio-retention islands in order to minimize storm water impacts. The proposed parking is not visible from a public street and not adjacent to any residential uses. The petitioner has provided additional bicycle parking on-site and will provide additional data at the ZBA meeting, such as parking counts and methods use to encourage alternative transportation.

Respectfully submitted,

Matthew J. Kowalski, AICP

4.11

**City Planner** 









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### **MIDWESTERN** CONSULTING

Civil, Environmental and Transportation Engineers, Planners, Surveyors, Landscape Architects

April 23, 2013

City of Ann Arbor Planning Department 100 N. Fifth Street Ann Arbor, MI 48107-8647 Matt Kowalski Attn:

2300 Traverwood Drive Re: **ZBA Variance Application** 

Dear Mr. Kowalski,

This letter and the enclosed materials constitute a request for variances from the Zoning Board of Appeals for 2300 Traverwood Drive (formerly known as Mechanical Dynamics, currently occupied by MSC Software).

A variance is requested to grant relief from the requirement for a wetland permit to remove a A. small wet spot in an area that was previously mass graded for offices and parking lots but the construction there was not completed. The wet area has no significant environmental function or value and creates a practical difficulty for the development of a much needed parking area.

There is an existing approved site plan for a parking lot in this location that includes the removal of the small wet area and that can be constructed right now without a variance or additional permit. The owner, however, would like to reconfigure the parking within the same limit of disturbance, reducing the total number of proposed spaces from 241 to 231, upgrading the design to meet current standards including interior bio-retention islands, and changing the site lighting to more efficient LED fixtures. An Administrative Amendment showing these revisions has been submitted.

The practical difficulty of getting an additional local wetland use permit is the time and money spent by both the applicant and the City to process an application. In addition, reconfiguring the parking lot layout to retain the wet area would eliminate about 70 spaces. These spaces are needed for the existing use on the site and the increasing number of employees. The practical difficulty is more than mere inconvenience, or inability to obtain a higher financial return. Granting a variance has no negative impact on neighboring properties and will support a thriving use with an immediate parking demand.

B. A variance is requested to permit more parking spaces than is permitted by the ordinance. More parking is needed as soon as possible to support the use of the existing building. The software developer that occupies the building has many more employees than are found in a typical ORL use and is still hiring. Providing such a variance is in harmony with the general purpose and intent of the requirements to provide adequate parking to support thriving businesses.

Phase 1 of the development included the south portion of the building and related parking area. Phase 2 was to include the north portion of the building and the balance of the parking. The proposed Administrative Amendment would revise the phasing of the development to construct the Phase 2 parking prior to constructing the future building addition. The future building addition would become Phase 3.

The ordinance permits 201 to 268 parking spaces for the existing Phase 1 building. Granting the variance would permit the construction of additional parking and increase the total number of



spaces to 524. The ordinance permits a total of 402 to 535 parking spaces for the Phase 1 and Phase 3 buildings together.

Enclosed are two complete packets of:

- 1. Cover letter
- 2. Application for Variance
- 3. Attachment
- 4. Fees of \$500
- 5. Currently proposed Administrative Amendment
- 6. Disk of pdf's of the submittal

Please contact me if revisions or additional information is needed, and place this item on the agenda of the May 24 meeting of the Zoning Board of Appeals. Thank you for your assistance.

Respectfully submitted:

MIDWESTERN CONSULTING, LLC

Earl F. Ophoff, Project Managel

Enc.

## APPLICATION FOR VARIANCE OR NON-CONFORMING STRUCTURE ZONING BOARD OF APPEALS

Section 1: Applicant Information
Name of Applicant:First Martin Corporation
Address of Applicant: 115 Depot St., Ann Arbor, MI 48104
Daytime Phone: (734) 994–5050
Fax:(734) 761-5151
Email:wcmartin@firstmartin.com
Applicant's Relationship to Property:owner
Section 2: Property Information
Address of Property: 2300 Traverwood Drive
Zoning Classification: ORL
Tax ID# (if known): 09-09-15-301-005
*Name of Property Owner: Traverwood Properties MDI L.L.C./First Martin Corp.
*If different than applicant, a letter of authorization from the property owner must be provided.
Section 3: Request Information
🔁 Variance
Chapter(s) and Section(s) from which a variance is requested:  Chapter 60, Section 5:204 (1)
Chapter 59, Section 5:167 (50)
Example: Chapter 55, Section 5:26 Example: 40' front setback Example: 32'  Give a detailed description of the work you are proposing and why it will require a variance
(attach additional sheets if necessary)  See attached.
Section 4: VARIANCE REQUEST (If not applying for a variance, skip to section 5)
The City of Ann Arbor Zoning Board of Appeals has the powers granted by State law and City Code Chapter 55, Section 5:98. A variance may be granted by the Zoning Board of Appeals only in cases involving practical difficulties or unnecessary hardships when <b>ALL</b> of the following is found <b>TRUE</b> . Please provide a complete response to each item below. These responses, together with the required materials in Section 5 of this application, will form the basis for evaluation of the request by staff and the Zoning Board of Appeals. (continued)

Yes. See	o other properties in the City? attached.
	hardships or practical difficulties more than mere inconvenience, inability her financial return? (explain)
None. See	ect will granting the variance have on the neighboring properties?
4. What phy	rsical characteristics of your property in terms of size, shape, location or
See attacl	prevent you from using it in a way that is consistent with the ordinance?
5. Is the cor mposed? F	ndition which prevents you from complying with the ordinance self- low did the condition come about?
tion 5: ALT	ERATION TO A NON-CONFORMING STRUCTURE
Current use o	of the property
Current use of	
Current use of the proposed :87 (1) (a) & (1) A non	of the propertyd change is allowed in accordance with Structure Non-Conformance, Section (b), which reads as follows:
Current use of the proposed (:87 (1) (a) & (1) A non	of the property  d change is allowed in accordance with Structure Non-Conformance, Section (b), which reads as follows:  -conforming structure may be maintained or restored, but no alteration shall be to a non-conforming structure unless one of the following conditions is met:
Current use of the proposed :87 (1) (a) & (1) A non made	of the property  d change is allowed in accordance with Structure Non-Conformance, Section (b), which reads as follows:  -conforming structure may be maintained or restored, but no alteration shall be to a non-conforming structure unless one of the following conditions is met:  The alteration is approved by the Zoning Board of Appeals upon finding that i complies as nearly as practicable with the requirements of this Chapter and
Current use of the proposed 5:87 (1) (a) & (1) A non made a.	of the property  d change is allowed in accordance with Structure Non-Conformance, Section (b), which reads as follows:  -conforming structure may be maintained or restored, but no alteration shall be to a non-conforming structure unless one of the following conditions is met:  The alteration is approved by the Zoning Board of Appeals upon finding that it complies as nearly as practicable with the requirements of this Chapter and that it will not have a detrimental effect on neighboring property.  The alteration conforms to all the requirements of this Chapter and is made to a building which will be a single-family dwelling on completion of the alteration.

Existing Condition	Code Requirement
Lot area	
Lot width	
Floor area ratio	
Open space ratio	
Setbacks	
Parking	
Landscaping	
Other	
Describe the proposed alterations and state why you	u are requesting this approval:
The alteration complies as nearly as is practicable w will not have a detrimental effect on neighboring pro	ith the requirements of the Chapter and perty for the following reasons:
Wherefore, Petitioner requests that permission be gr and Section of the Ann Arbor City Code in order to p	anted from the above named Chapter ermit

### Section 6: Required Materials

The following materials are required for all variance requests. Failure to provide these materials will result in an incomplete application and will delay staff review and Zoning Board of Appeals consideration of the request. The materials listed below must accompany the application and constitute an inseparable part of the application.

All materials must be provided on 8 ½" by 11" sheets. (Continued.....)

- Survey of the property including all existing and proposed structures, dimensions of property, and area of property.
- □ Building floor plans showing interior rooms, including dimensions.
- □ Photographs of the property and any existing buildings involved in the request.
- Any other graphic or written materials that support the request.

SIGNATURES MUST BE SIGNED IN PRESENCE OF NOTARY PUBLIC  I, the applicant, request a variance from the above named Chapter(s) and Section(s) of the Ann Arbor City Code for the stated reasons, in accordance with the materials attached hereto.  Phone Number  Email Address  Print Name  I, the applicant, hereby depose and say that all of the aforementioned statements, and the statements contained in the materials submitted herewith, are true and correct.  Further, I hereby give City of Ann Arbor Planning & Development Services unit staff and members of the Zoning Board of Appeals permission to access the subject property for the purpose of reviewing my variance request.  I have received a copy of the informational cover sheet with the deadlines and meeting dat and acknowledge that staff does not remind the petitioner of the meeting date and times.  Signature  On this day of, 20, before me personally appeared the above named
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On this day of, 20 . before me personally appeared the above named
applicant and made oath that he/she has read the foregoing application by him/her subscribed and knows the contents thereof, and that the same is true as to his/her own knowledge except as to those matters therein stat to be upon his information and belief as to those matters, he/she believes them to be true.
Notary Public Signature
Notary Commission Expiration Date Print Name
taff Use Only
te Submitted: Fee Paid: Date of Public Hearing
e-filing Staff Reviewer & Date ZBA Action:
e-Filing Review:
ff Reviewer & Date:

### 4/23/13

2300 Traverwood Drive Application for Variance Zoning Board of Appeals

### Section 3: Request Information

A variance is requested Chapter 60, Section 5:204, Activities which require a use permit. Specifically,

Except as otherwise provided by this chapter or by a use permit obtained from the city, a person shall not:

(1) Deposit or permit the placing of fill material in a wetland.

### Section 4: Variance Request

1. There are practical difficulties with complying with the ordinance. The parking lot configuration shown on the proposed 2013 Administrative Amendment shows 231 spaces (a reduction of 10 spaces) and would require filling in a low quality wetland. Processing a new local wetland use permit would include another MDEQ joint permit application. These things would take up the resources of the City in terms of staff time and money, and would be spent on permitting a totally artificial, non-functional wetland.

The proposed 2013 Administrative Amendment has been submitted and is being reviewed pending the granting or denial of a variance. It includes the reconfiguration of the parking area for which there is an existing approved site plan. The new wetland is also located within the area of the approved 241 space parking lot and will be removed if that plan is constructed.

The applicant can construct the parking area as previously approved by the 2011 Administrative Amendment without a new permit or a variance.

- a. A new wetland area was identified during preparation of the currently submitted 2013 Administrative Amendment. Environmental Consulting and Technology (ECT) was asked to re-flag the proposed pedestrian bridge crossing of the previously identified wetland and stream. During that field visit, ECT also identified a new wetland perched on the hillside on the east side of the stream. That wetland is located in the western portion of the proposed parking lot.
- b. The area in question was mass graded in 1996-97 as part of the adjacent office complex project known as Traverwood II. The western portion of that project was not completed. The office buildings and parking that were to be constructed in the location of the proposed parking area were never built.
- c. The mass grading of that area included the contouring of a temporary depression along the west edge of the disturbed area to control runoff and soil erosion. Because the proposed construction in this area has not occurred, the depression is now a low quality, non-contiguous wetland.
  - This is a linear wetland that is entirely artificial and that is not contiguous with the wetland to the west.

- This is a drainage area.
- The vegetation is almost entirely phragmites/invasive reeds with a few shrubby cottonwood trees.
- This wetland is regulated only because of its proximity to the stream and wetland at the bottom of the hill.
- There is no surface water connection from this wetland to the wetland at the bottom of the hill.
- There are no redwing blackbirds nesting in this wetland.
- This area meets the definition of a wetland but has little if any beneficial effect and no characteristics worth protecting.
- Re-design of the east parking area that includes removal of this wetland and the construction of new bio-retention islands will have a positive impact.
- d. The mass graded but un-built portion of Traverwood II was later transferred to the 2300 Traverwood site. This area was included in the 2300 Traverwood site plan done in 1999 (known originally as Mechanical Dynamics) and again on two Administrative Amendments, the second of which was approved in May, 2011. No wetland was identified in the proposed parking area on any of these approved plans.
- e. The applicant has applied for a 2013 Administrative Amendment to reconfigure the already approved parking lot, bringing the design up to current standards, including the providing bio-retention islands. These will be functional wetlands that replace the existing artificial wetland.
- f. This request for a variance is for practical difficulty.
  - The history of the site and the accidental creation of a minor, low quality wetland are extenuating circumstances.
  - It is not a good use of city resources, time and expense to require additional permitting to allow the construction of the reconfigured parking area.
  - The need is to provide as much parking as possible within the limits of disturbance as approved on the previous site plan and amendments.
- 2. The hardships and practical difficulties are more than mere inconvenience and represent additional time and expense to both the City and the applicant for no public benefit. The applicant can construct the parking area as shown on the previously approved 2011 Administrative Amendment, but has chosen to propose a reconfigured parking area that meets current city standards. The new design includes bio-retention islands and more efficient LED lighting. Granting the variance does not allow the applicant to obtain a higher financial return.
- 3. Granting the variance will have no effect on the neighboring properties.
- 4. The physical characteristics of the property are that the mass graded area slopes from east to west towards the wetland. The temporary depression along the edge of the mass grading traps runoff. The soils are such that there is little infiltration.

Reducing the size of the proposed parking area such that there is no impact on this linear wetland is one hundred percent contrary to the point of the proposed Administrative Amendment. The need is for as much parking on the site as possible to support the software development company that occupies the existing building. That need is there now, and is increasing as the company continues to hire additional employees. Redesigned the proposed parking lot to preserve the wetland and stay out of 25-foot wide Natural Features open space would reduce the number of proposed spaces from 231 to approximately 160.

5. The condition that prevents compliance with the ordinance is an artifact of previous site planning and partial construction on the site. The intent was to provide a temporary drainage and soil erosion control area that would have been replaced in the completed construction with parking, curb and gutter, and storm sewer.

The following is a more complete history of the site is described below and shown on the attached plans:

**Traverwood** is the name of the 93-acre development that includes the area shown on the attached Storm Water Management Plan dated 5/1998. The area is bounded by the Huron Parkway on the north, Plymouth Road on the south, Nixon Road on the west and the Leslie Park Golf Course to the west.

The 2300 Traverwood site includes two parcels. The western portion of the site was originally designated as Traverwood NE. The eastern portion of the site was part of Traverwood 2. The currently proposed east parking area is located on what was formerly the western portion of Traverwood 2. A natural water course and wetland separate the east and west portions of the site. A linear, non-contiguous wetland has also developed as the result of previous mass grading of the eastern portion on the site.

The following sequence of plans traces the history of development on the site in the area of the currently proposed east parking lot. These plans show that the newly flagged, non-contiguous wetland on the hill north of the siltation basin was first identified in 2005. It apparently was the result of the mass grading of the Traverwood 2 site that was done in 1996. This are has now been reflagged, evaluated and surveyed as shown on the current plans.

<u>Traverwood 2:</u> this project was designed in 1995-96. The overall Traverwood storm water management system of siltation basins, drainage courses and detention basins had already been constructed. This project was an office complex that was to be constructed in two phases. The first phase included the mass grading of the entire Traverwood 2 site and the construction of the two easternmost buildings (number 3 and number 4).

Sheet 2 Site Analysis
Shows siltation basin as existing storm detention.
Does not show any wetland north of that basin.

Sheet 3 Layout and Materials Plan Shows overall layout for offices. Entire site was mass graded. Phase 1 was constructed.
Two western buildings and parking were not built.

Sheet 4 Grading Plan Shows overall grading plan. Phase 2 was mass graded only.

Sheet 140B-94-15 Southeast Siltation Basin Shows siltation basin detail. Shows outline of future Traverwood 2 Phase 2. Shows no wetland north of the siltation basin.

Sheet 140B-94-16 Site Analysis for Traverwood Development Shows wetlands but none north the siltation basin.

### Traverwood Park 6/1996

Sheet 140B-94-11 Cover Sheet

This sheet shows the overall Traverwood Development and the schematic storm water management system.

Sheet 140B-94-12 Traverwood Detention Pond and Southeast Siltation Basin Plans
Shows the siltation basin and future Traverwood 2 Phase 2 (dashed line).

### Traverwood Development 2/1998

Sheet 140B-102-1 Over-all Storm Water Management Plan Shows the limits of the Traverwood Development and the schematic storm water management plan. The Northeast Area is shown as vacant. (That was developed in 1999 as Mechanical Dynamics.)

Sheet 140B-102-2 Over-all Development Plan Shows proposed offices on Traverwood 2.

### Mechanical Dynamics: Lot Split 7/1999

Sheet 140B-106

Shows wetlands but none north of the siltation basin.

Traverwood 2 was under construction and being mass graded.

### <u>Traverwood 3:</u> Topographic Survey 10/2000

Sheet 140B-109

Shows Mechanical Dynamics building as existing.

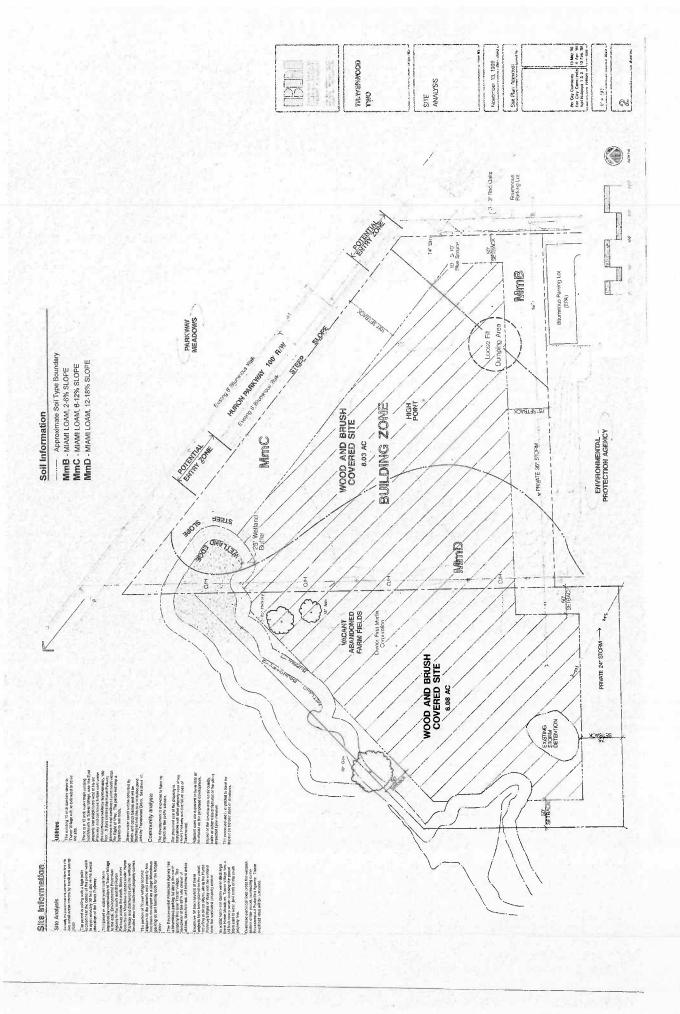
Reflects mass grading of the unbuilt portion of Traverwood 2.

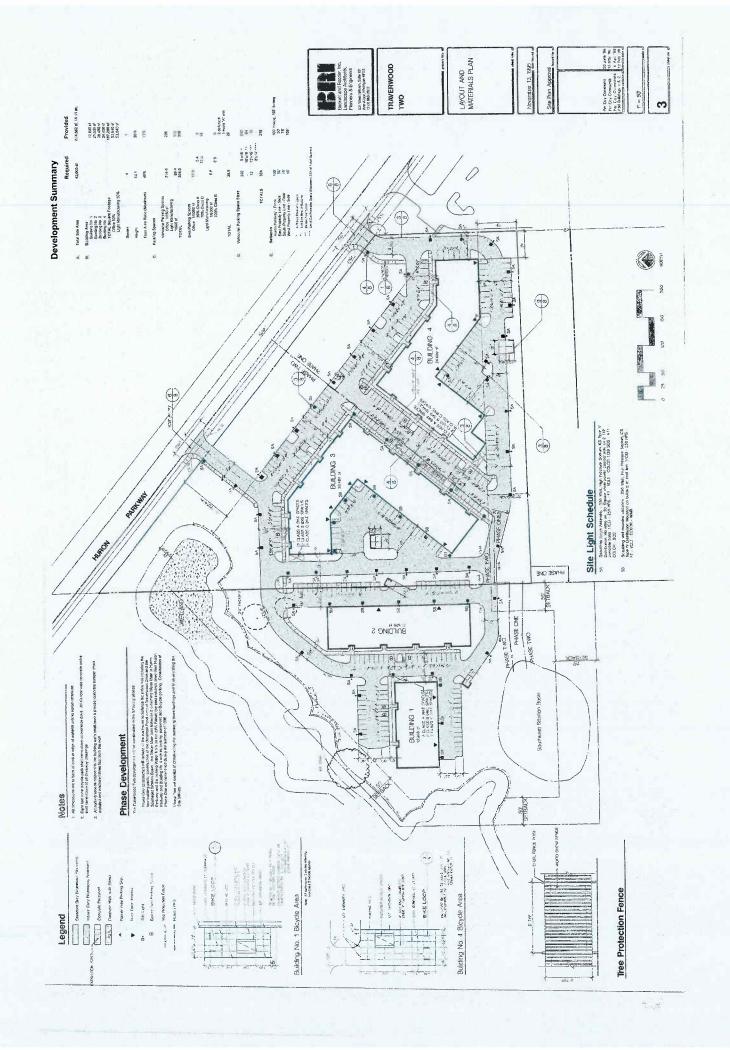
Shows no hillside wetland north of the siltation basin.

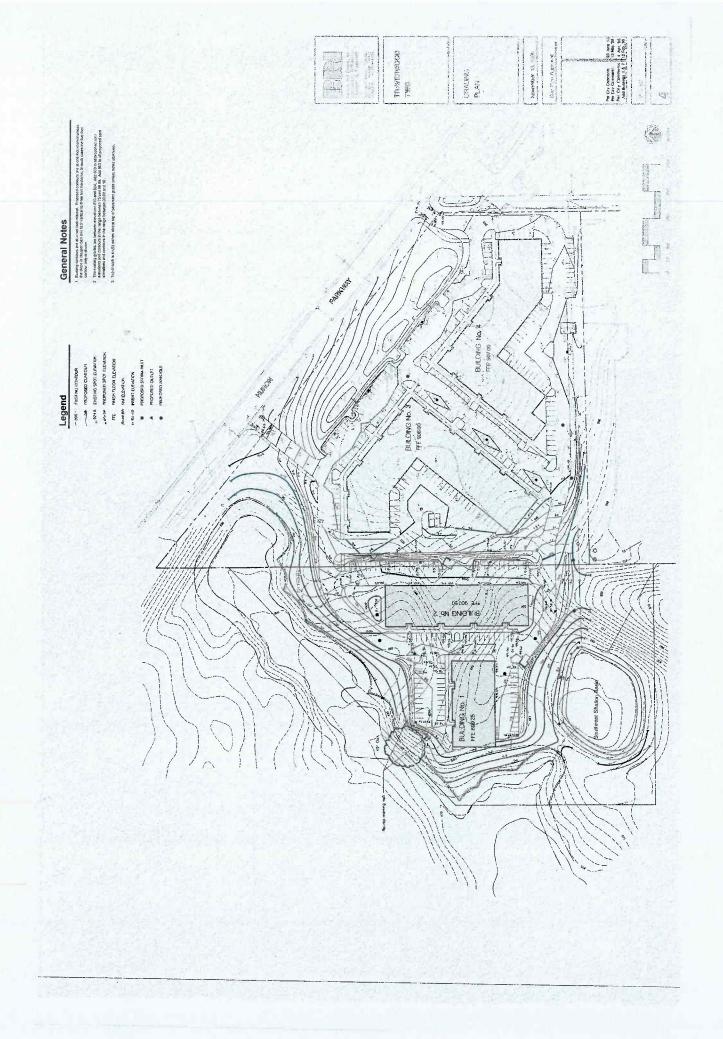
### <u>Traverwood Park-Traverwood 3:</u> Topographic Survey 9/2005

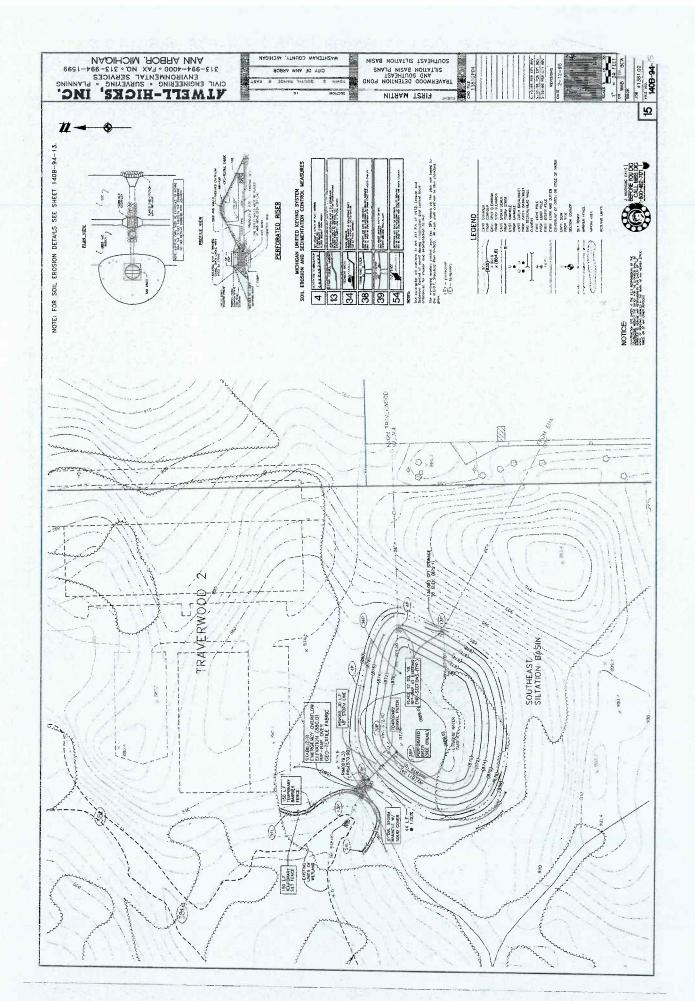
Sheet 140B-122

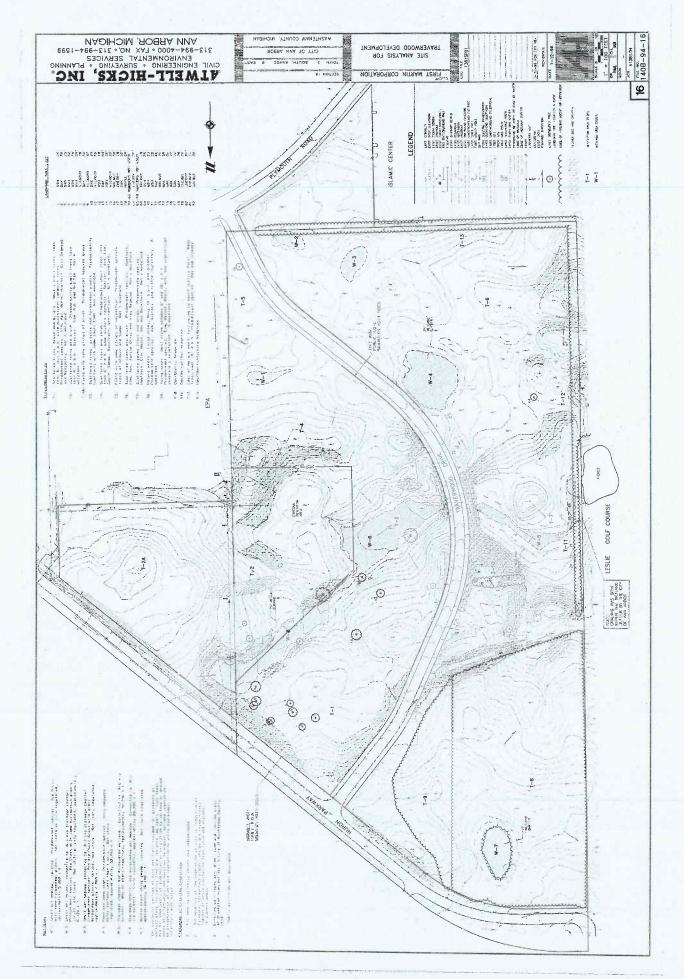
Shows linear hillside wetland north of siltation basin, an artifact of the 1999 mass grading of Traverwood 2.











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VASHTENAW COUNTY, MICHIGAN CITY OF ANN ARBOR

TRAVERWOOD DETENTION POND
AND SOUTHEAST
SHIATION BASIN PLANS
COVER SHEET

SAD THE STATES

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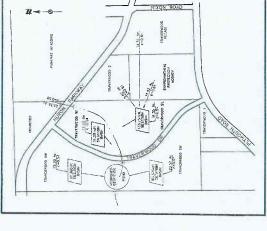
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DESCRIPTION	COVER SHEET	CVERALL PLAN	TEMPORARY SILTATION BASIN PLAN	DETENTION POND PLAN	SOUTHEAST SILTATION BASIN PLAN	SITE ANALYSIS
NO.	1	12	13	14	15	16

DRAWING NO.	140B-94-11	1408-94-12	140B-94-13	14DB-94-14	140B-94-15	1408-94-16
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FIRST MARTEN CORPORATION 115 DEPOT STREET ANN ARBOR, ML. 48104 (313) 994-5050

ENGINEER

ATWELL HICKS, INC. 540 AVIS DRIVE ANN ARBOR, MI. 48108 (313) 994-4000

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BECKETT AND RAEDER, INC. 535 WEST WILLIAM ST. SUITE 101

SHEET INDEX

DRAWING NO.	140B-94-11	140B-94-12	140B-94-13	140B-94-14	140B-94-15	1408-94-16
DESCRIPTION	COVER SHEET	CVERALL PLAN	TEMPORARY SILTATION BASIN PLAN	DETENTION POND PLAN	SOUTHEAST SILTATION BASIN PLAN	SITE ANALYSIS
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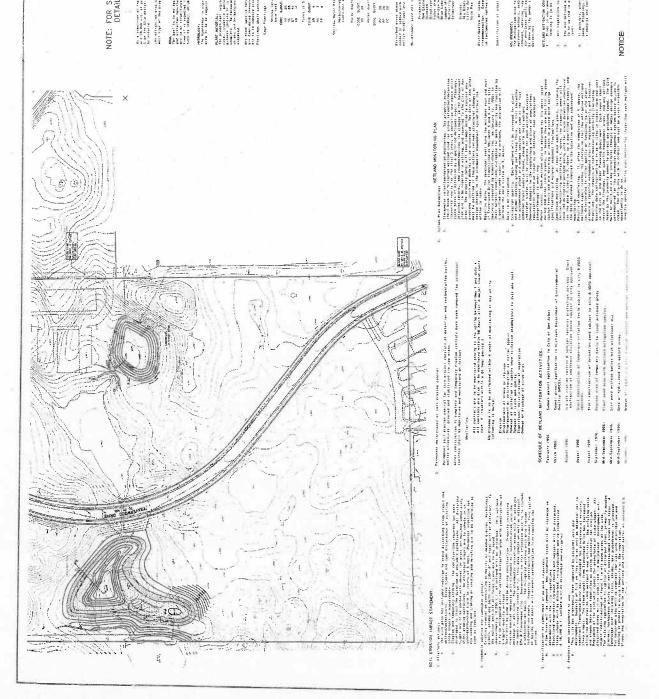
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ATWELL-HICKS, INC

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TWO THE THICKS, INC.

WASHTENAW COUNTY, MICHIGAN CITY OF ANN ARBOR SOUTH, SANGE

ATWELL HICKS, 'NC 540 AVIS DRIVE ANN ARBOR, MI. 48108 (734) 994-4000

PLANNER:

ENGINEER:

FIRST MARTIN CORPORATION 115 DEPOT STREE! ANN ARBOR, MI. 48104 (734) 994-5050

DEVELOPER:

OVER-ALL STORM WATER MANAGEMENT PLAN
(SHEET 1 OF 2) TRAVERWOOD DEVELOPMENT

BECKETT AND RAEVER, INC. 535 WEST WILLIAM ST. SUHE 101 ANN ARBOR, MI. 48103 (7.34) 663-2622

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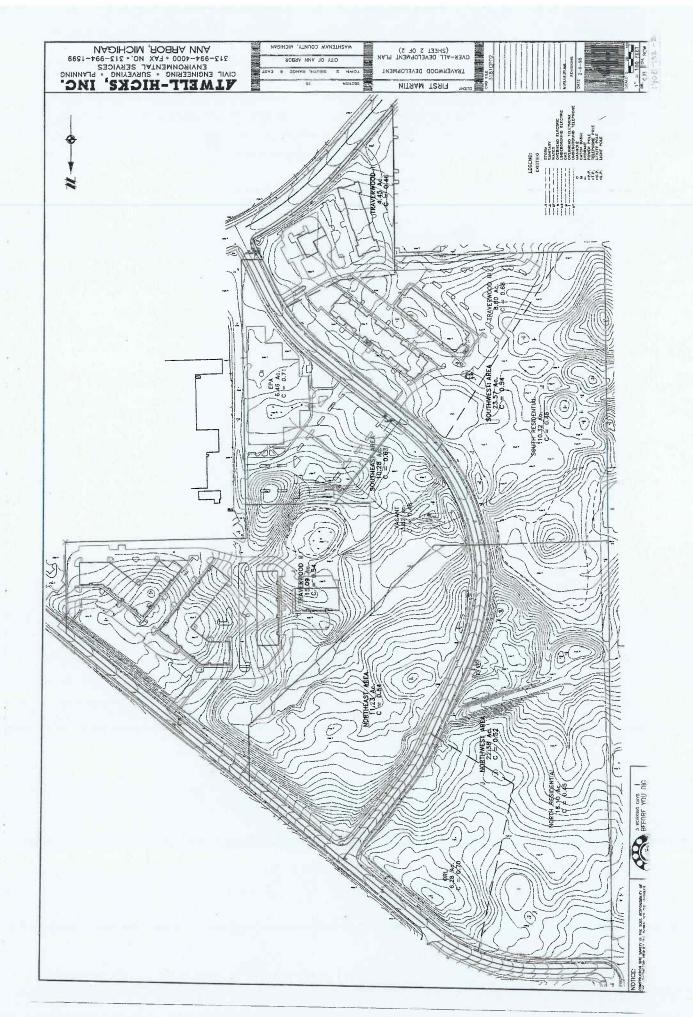
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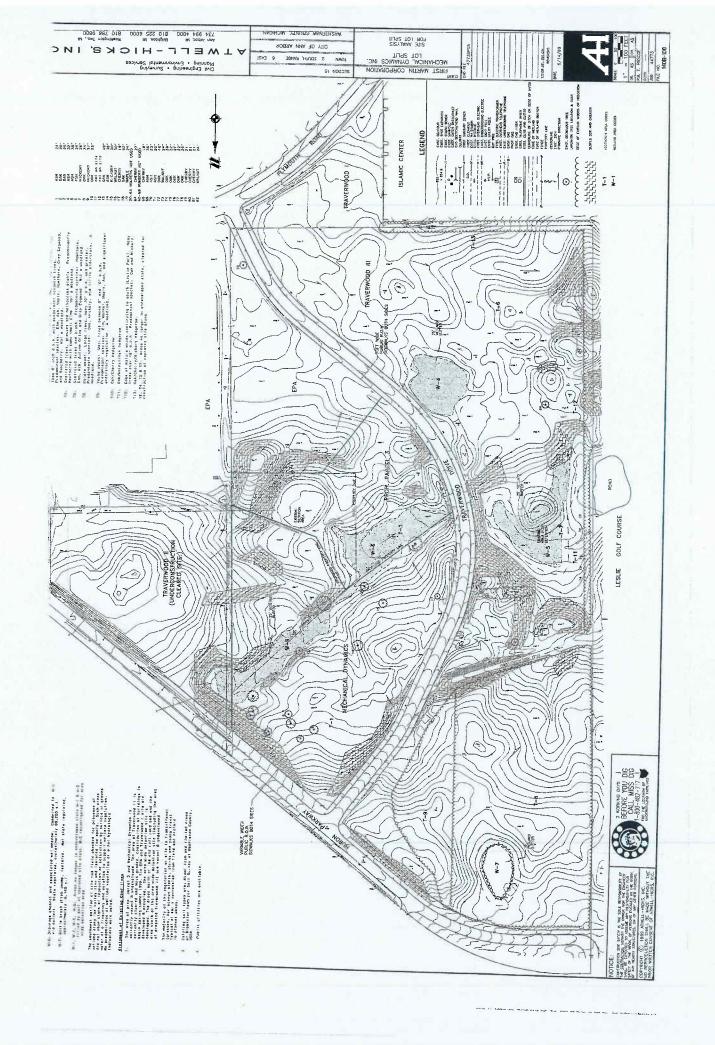
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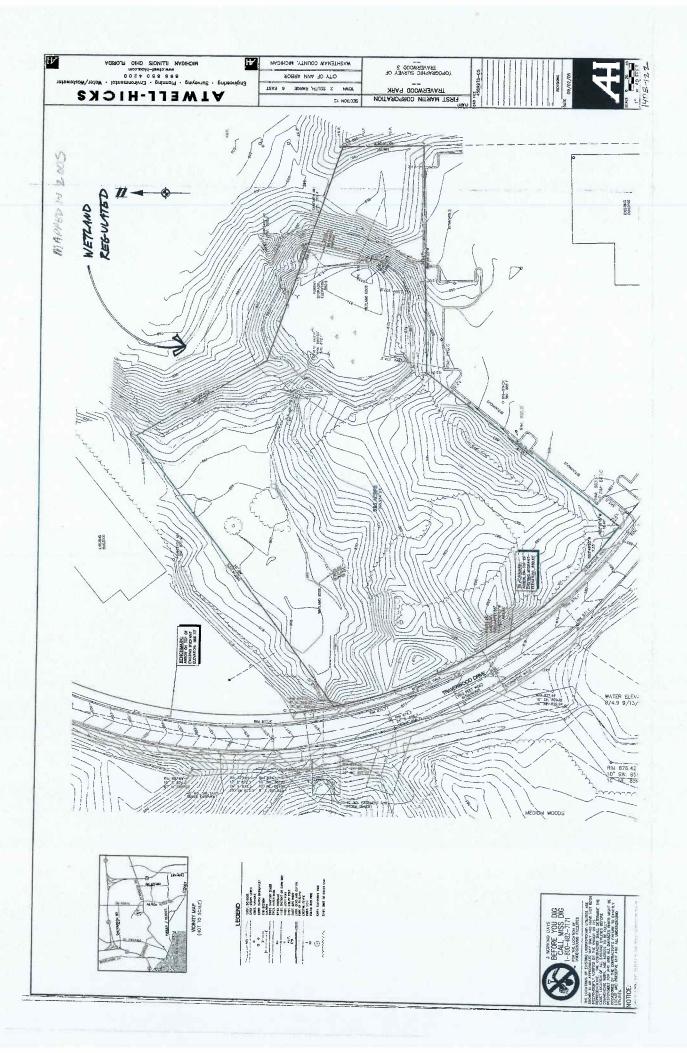


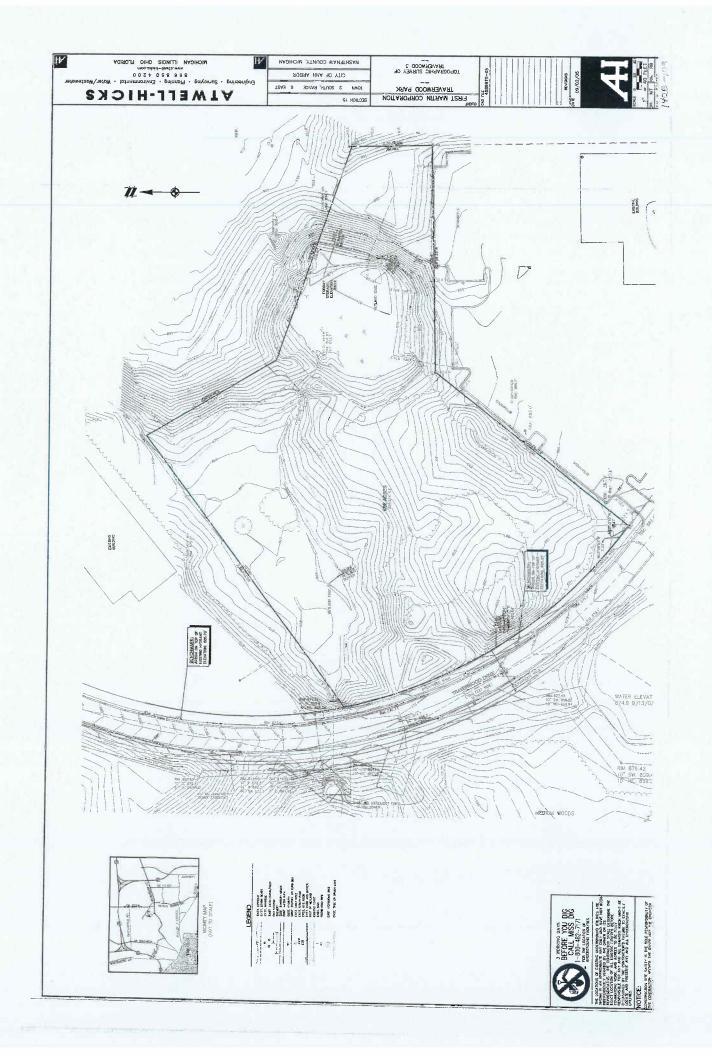
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NOTICE:









# 2300 TRAVERWOOD DRIVE

ADMINISTRATIVE AMENDMENT WASHTENAW COUNTY, MICHIGAN SECTION 15, T2S, R6E, CITY OF ANN ARBOR,

Service Control

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PARK SHARE

ENGINEER/PLANNER/LANDSCAPE ARCHITECT WINNESSER CONSULTING, LIC SAST PLAZA DR. WARREW, M. 48108
ANN ARGAW, M. 48108
ANN ARGAW, W. GORDER
ATTHE, EARL, OPHOFF

DEVELOPER FIRST MARTIN CORPORATION 115 DEPOT STREET ANN ARBOR, MI 48104 PH. (734) 994-5050 ATTN: MIKE MARTIN

THE PROPOSED USE IS CONSISTENT WITH THE SURROUNDING USES AND CONSISTENT WITH AREA WIDE PLANKING. MPACT ON SCHOOLS IS ANTICIPATED TO BE MINIMAL COMMUNITY ANALYSIS

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HISTORY OF THE SITE:

IN 1989-81 TRAVER VILLAGE TO THE EAST WAS BUILT. IN 1991-92 HURDIN PARKWAY EXTENSION AND TRAVERWOOD DRIVE WERE CHARRESTRUCTED. N THE MID 1990'S DETROT EDISON CONFIDERED RELOCATING THE MANY ARBOR SERVICE CENTER EAST OF THE WETLAND. PLANS WERE ARRESTED TO THE WETLAND.

i Sawer Plan and Pedestian Brage Proble revend storm sewer, remand and degal, and and and a same an

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Brange And Paris of the profession of us Site Notes added SESC note number 6 regarding vestional construction sequences to reflect revised phasing.

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SANITARY FLOW CALCULATIONS (PHASE 3)

PRIPORED FOR WHEN-BEDGAL OFFICE USE GALLONS PER DAY PER NOTIVE COST CALCIONS PER DAY PER SON THE NATIONAL ACCOUNTS FOR DAY PER SON THE NATIONAL ACCOUNTS FOR DAY PER DAY PER NATIONAL PER DAY FER DAY PER SON THE NATIONAL PER DAY FER DAY FER

THE ADJACENT USES HAVE A POSITIVE IMPACT ON THE PROPOSED USE. THE CLOSE PROXIMITY OF TRAVER WILAGE SHOPPING CENTER WILD LESUE PARK IS BENEFICIAL. PROPOSED DEVELOPHENT WILL MEET ALL LOCAL, STATE AND REDERLY STANDARDS FOR ANA AND WATER OULHT. BEST MANAGEMENT PRACTICES WILL BE EMPLOYED DURING CONSTRUCTION AND ON A PERMANENT BASS FOR WATER QUALITY.

THE SITE IS PART OF AN OLD FOMESTEND (NO LOWGER STAVIDING ON ASJACENT SITE) AND FARM. THERE ARE NO STRUCTURES ON THE SILE MAPACT ON HISTORIC SITES ON STRUCTURES IS NOT MATICIPATED.

0/SCONNECTS: 17 PODING DRAM = 4 GPM 19,263 GPD = 13,38 GPM 13,38 GPM/4 GPM/FOOTING DRAMS + FOOTING DRAMS SOLID WASTE:

-		PERMITTED	EXISTING	-	1
SUNIC		ORE	ă	986	ORI.
AREA		60,000 SF MIN	574 483 SF		574 483 SF 574 483 SF
			13 19 AC		13.19.4
LOT WIDTH		SC MN	444	, T	444
SETBACKS BUILDING					
	MURON PIORY	25 - 50	548	Sus	21.5
	TRAVERWOOD DR	25 - 50	124	124	124
-	SOF	NO.	416	20.	296.
8	REAR	MONE	11	50	77
PAPKING					
	HURON PKWY	25. MN.	75	54	.52
100	TRAVERWOOD DR	25' WN.	75:	75	.51
	SIDE (SOUTH)		.88	86	20
1	REAR (EAST)		381	88	ė,
BUR DINGS					
	NOMBEK	The state of the s		9	NODE
	FERSION	200	3	0 1	0
	STORIES	S. S.	ZWEST		2 WES
FLOOR AKEA			3 EAST		3 EAST
	GROUND FLOOR		22 202 65	0	12 202 66
	TOTAL GROUND FLOOR		-		20.562.19
	TOTAL PLOOR AREA	430,862 SF MAX, 68,879 SF	68 878 SF	0	133 756 SF
	BATIO	75% N#X	11.64%	3500 O	23 26%
PARKING					
	BARRERFREE	5		0	0
	BARRIER FREE VAN			0	
	REGULAR	See MAN	1280	231.	0
	COMPACT			0	
	PHASE 1 TOTALS	261-268***			
	PHASE 2			231	
	TOTAL VEHICULAR PKG.				524
-	BICYCLE.	45 (14A 31C)	26 (BA, 19C O		22 64 16 C
	TOTAL BICYCLE SPACE.		HISTORY ST		46 14A 32C

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# SENERAL NOTES

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THE CONSTRUCTION CONTRED BY THESE PLANS SHALL CONFORM TO THE CITY OF MANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS WHICH ARE MOLUBOS BY REFERENCE.

THE OMISSION OF ANY STANDARD DETALS DOES NOT RELIEVE THE CONTRACTORS THERE OMISSION TO CONSTRUCT INSIS IN COMPALET ACCORDANCE WITH THIS SHAPE THE ACCORDANCE WITH THIS SHAPE SHAPE THE ACCORDANCE WITH THIS SHAPE SHAPE

REQUIRED PHASE 1 PHASE 2 PHASE 3 2300 TRAVERWOOD DRIVE COMPARISON CHART

STE ANALYSIS
EXISTING CONDITIONS PLAN
DIMENSIONAL SITE PLAN
GRADING, UTILLIT AND SCIL EROSCON CONTROL, PLAN
STORM, SEWER PLAN AND PEDESTRIAN BRIDGE

COVER SHEET SHEET INDEX

VICINITY MAP NOT TO SCALE

C. STOWN STREAT FLAN AND PEDESTRAIN BRODGE.
T. LANDSCAPE PLAN
B. DRANKAGE AREA PLAN
B. MISCELLAREOUS DITALS.
10. MISCELLAREOUS DITALS.
11. MISCELLAREOUS SITE NOTES.
12. ALTERNATIVE DIANS.
13. STREET VEW ANSSING.
14. PHOTOMERING PLAN
15. TRAVERWOOD ONEY—ALL STORM WATER MANAGEMENT PLAN (FOR REFERENCE ONLY).

SWA		CAL	DRC	ORC	OFF.
AREA		60,000 SF MN	574 483 SF	574 483 SF	574 483 SF 574 483 SF
300			13 19 AC	13 19 AC	13 19 1
LOT WIDTH		NA DS	444	3	446
SETBACKS					
BUILDING	WIRON PRIORY	25 - 52	248	195	377
	TIRANERWOOD DR	28.50	124	124	124
	SOF	NON	416	20.	286.
	REAR	NONE	12	200	77
PAPKING					
1	HURON PKWY	25. MN.	.92	51	75
	TRAVERWOOD DR	25' MIN	75.	175	75
	SDE (SOUTH)		.88	88	20.
1	REAR (EAST)		38;	.96	ė.
BUR DINGS					
	NUMBER		1	0	ADDITION
	EIGHT	MONE	40	0	\$
	STORIES	HONE	2 WEST	0	2 WEST
		2022	3 EAST		3 EAST
FLOOR AREA					
	GROUND FLOOR		22,283 SF	0	22 292 SF
	TOTAL GROUND FLOOR				44 595 SF
	TOTAL FLOOR AREA	430,867 SF	MAX 68 878 SF	0	133,756 SF
	BATIO	75% NAX	11.64%	%000 0	23 28%
PARKING					
0.00	BARRER FREE	o,	111	0	0
	BARRIER FREE VAN	2		0	
	REGULAR	JOSE MAN	260	231.	0
	COMPACT	30% MAX		0	
	PHASE 1 TOTALS	261-268	79.F.		
	PH4SE 2			231	
-	TOTAL VEHICULAR PKG	402-535	100		524
	TOTAL BOYOUR SPACE.	100	8 60 60		25 th 18 C

2300 TRAVERWOOD DR. JOB No. 12174

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MIDWESTERN CONSULTING

Criel, Environmental and 3815 Plaza Drive Tronsportation Engineers. Ann Arbor, Littingon 48108 Planetz, Surveyor Planetz, Surveyor Press 734,995,0090 Landscope Arthritocta Fox 734,995,0090

DATE 2/4,713 4/22,713 OWNER'S REVIEW

MAINISTRATIVE AMENDMENT RELEASED FOR!

JAMES A. FISHER

