

PROJECT ANALYSIS

FOR

“2020 NORTHWEST HIGHWAY BARNES & NOBLE”

BY

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ADVANCED TECHNICAL DRAWING

Swaback Designs

010 Mulberry Lane

Lake Zurich , IL



STATEMENT OF PROBLEM

To design a twenty five thousand square foot Barnes & Noble Bookstore. The two-floored bookstore will have a food court and a Starbucks coffee shop on the lower level and books on both the upper and lower levels. It will also have a courtyard in the center of the building, where customers can eat and read. The structure will have a brick exterior with a steel superstructure and a modern glass and stucco flat roof. The flat open field site on Northwest Highway must provide sufficient parking for multiple businesses and storage that is concealed by landscaping. The total cost is not to exceed \$2,000,000 and must be completed by January 1, 2010.

Matt Swaback, Senior Architect

Client's Signature

"BARNES & NOBLE"

CLIENT DATA

- * Company Name - Barnes & Noble
- * Owner or Contact Person - Free Willy
- * Street Address - 56 Briggs Dr.
- * City, State, Zip Code - Lake Zurich, IL 60047
- * Product or Services - Bookstore

BUILDING SITE DATA

- * Lot Dimensions - 120'-0" x 150'-0"
- * Area of Lot - 18,000 sq. ft.
- * Existing Contours - flat
- * Existing Features - open field, flat
- * Existing Landscape - open field
- * Existing Easements - per city ordinance
- * Location of Lot - 56 Briggs Dr. Lake Zurich, IL 60047

Utilities Available

- * Water Service - private well
- * Sewer Service - private septic system
- * Electrical Service - GE
- * Natural Gas Service - Nicor
- * Telephone Service - AT&T
- * Cable Service - AT&T
- * Internet Service - Comcast
- * Security Service - ADT

PERSONNEL DATA & NEEDS

Number of Occupants

- * Salaried Employees – 6
- * Hourly Employees – 16
- * Part-time Employees – 8

List of Personnel by Position

- * Job Title **Manager**
Quantity of Personnel **6**
Responsibilities of Job **hiring personal, supervising employees, ordering supplies and equipment meeting with clients or fellow workers**
Equipment Needed for Job **chair, desk or work table, telephone, computer, shelving unit, storage cabinets or shelving, file cabinets, printer, copy machine, safe or vault**
- * Job Title **Shelve Stocker**
Quantity of Personnel **10**
Responsibilities of Job **stock shelves with books, reorder books alphabetically**
Equipment Needed for Job **list of books, strong and agile hands**
- * Job Title **Cashier**
Quantity of Personnel **14**
Responsibilities of Job **greeting visitors or clients, talking on phone, handle payments, take orders, prepare food**
Equipment Needed for Job **gloves, sink, refrigerator, food ingredients, cash register**

CLIENT DATA

- * Company Name **Starbucks Coffee**
- * Owner or Contact Person **Seattle Sutton**
- * Street Address **64 Briggs Dr.**
- * City, State, Zip Code **Lake Zurich, IL 60047**
- * Product or Services **Coffee Shop**

BUILDING SITE DATA

- * Lot Dimensions 60'-0" x 150'-0"
- * Area of Lot (sq. ft.) 9000 sq ft.
- * Existing Contours flat
- * Existing Features open field, flat
- * Existing Landscape open field
- * Existing Easements per city ordinance
- * Location of Lot 64 Briggs Dr. Lake Zurich, IL 60047

Utilities Available

- * Water Service private well
- * Sewer Service private septic system
- * Electrical Service GE
- * Natural Gas Service Nicor
- * Telephone Service AT&T
- * Cable Service AT&T
- * Internet Service Comcast
- * Security Service ADT

PERSONNEL DATA & NEEDS

Number of Occupants

- * Salaried Employees 2
- * Hourly Employees 6
- * Part-time Employees 3

List of Personnel by Position

- * Job Title **Manager**
Quantity of Personnel 2
Responsibilities of Job hiring personal, supervising employees, ordering supplies and equipment meeting with clients or fellow workers
Equipment Needed for Job chair, desk or work table, telephone, computer, shelving unit, storage cabinets or shelving, file cabinets, printer, copy machine, safe or vault
- * Job Title **Cashier/Coffee Maker**

Quantity of Personnel 9
Responsibilities of Job greeting visitors or clients, talking on phone, handle payments, preparing coffee orders
Equipment Needed for Job cash register, uniform, coffee supplies

CLIENT DATA

- * Company Name Taco Bell
- * Owner or Contact Person Illegal Immigrant #48765
- * Street Address 72 Briggs Dr.
- * City, State, Zip Code Lake Zurich, IL 60047
- * Product or Services Mexican Specialties

BUILDING SITE DATA

- * Lot Dimensions 60'-0" x 150'-0"
- * Area of Lot (sq. ft.) 9000 sq ft.
- * Existing Contours flat
- * Existing Features open field, flat
- * Existing Landscape open field
- * Existing Easements per city ordinance
- * Location of Lot 72 Briggs Dr. Lake Zurich, IL 60047

Utilities Available

- * Water Service private well
- * Sewer Service private septic system
- * Electrical Service GE
- * Natural Gas Service Nicor
- * Telephone Service AT&T
- * Cable Service AT&T
- * Internet Service Comcast
- * Security Service ADT

PERSONNEL DATA & NEEDS

Number of Occupants

- * Salaried Employees 2
- * Hourly Employees 6
- * Part-time Employees 3

List of Personnel by Position

* Job Title **Manager**

Quantity of Personnel **1**

Responsibilities of Job **hiring personal, supervising employees, ordering supplies and equipment meeting with clients or fellow workers**

Equipment Needed for Job **chair, desk or work table, telephone, computer, shelving unit, storage cabinets or shelving, file cabinets, printer, copy machine, safe or vault**

* Job Title **Cashier**

Quantity of Personnel **4**

Responsibilities of Job **greeting visitors or clients, talking on phone, handle payments**

Equipment Needed for Job **cash register, uniform**

* Job Title **Taco Preparers**

Quantity of Personnel **6**

Responsibilities of Job **Makes taco, burritos, and other Mexican food**

Equipment Needed for Job **uniform, gloves**

* NOTE: REPEAT THE ABOVE INFORMATION FOR EACH POSITION

CUSTOMER NEEDS

* Outside of Building **parking spaces, sidewalks, signage, covered entry**

* Inside of Building **dining room, restrooms, storage room, cashier counter**

BUILDING DESIGN DATA

* Approximate Shape Desired **trapezoidal**

* Maximum Length & Width Allowed **240'-0" x 150'-0"**

* Number of Levels Desired **one**

* Square Footage Desired **36,00 sq ft**

* Style of Building Desired **contemporary**

BUILDING MATERIALS DESIRED

(List type, brand name, size & model or order number)

- * Exterior **Double Envelope**
- * Roofing **green roof, sunlight roof**
- * Soffit or Trim **none**
- * Windows **Amber Windows, 5' by 5'**
- * Glazing of Windows **Amber Windows, Double glazing uPVC Windows**
- * Exterior Doors **Pella, 8' by 9', hinged patio doors, thermal fused**
- * Roof Drainage System **gutters, compatible with green roof**
- * Interior Walls **Magnesium silicate**
- * Interior Doors **Pella, 7' by 9', hinged internal door**
- * Interior Trim **none**
- * Cabinetry **3' by 5', recycled cherry wood**
- * Hardware **stainless steel door handles**
- * Floor Coverings **tile**
- * Wall Coverings **stucco**
- * Ceilings **drywall**
- * Lighting **cfl's, leds**

SPACE NEEDS

(List each Type of Area & Sq.Ft. Desired)

- * Public Areas **5000**
- * Employee Areas **1000**
- * Mechanical Areas **2000**
- * Storage Areas **1000**

MECHANICAL EQUIPMENT & SPECIAL FEATURES

(List Brand and Model Names and Model # or Size)

- * Heating System **Radiantec, radiant floor heating system, radiant wall panels**
- * Cooling System **Ondol, radiant floor cooling system**
- * Electronic Air Cleaner **Honeywell, Electric air cleanser, F300E1001**
- * Water Heater **Bosch Aquastar 1600PS Solar water Heater**
- * Humidifier **Kenmore, 8-Gallon Humidifier, 15408**
- * Dehumidifier **Energy Star Dehumidifier**
- * Central Vacuum Cleaner **Beam, 325C Serenity QS, EZ3Z0D05V**
- * Security System **ATD, central alarm system, CS041THHS3005**

