### **ASHMARK** Construction, LLC

March 21, 2018

Genoa Township 2911 Dorr Road Brighton, MI 48116

ATTN: Kelly VanMarter

RE: Family Farm & Home-Comments/Changes from Planning Commission Meeting 3/12/2018 for Planning Commission Meeting 4/9/2018

#### Dear Kelly,

- Owner to agree to grant access easement for cross access between Meijer. Details TBD.
   Township to provide easement language for Ownership approval and confirmation that Meijer will bear the majority of the cost of this work.
- 2. Revise plan detailed below:
  - Moving trailer storage to south end of outside storage.
  - Add (2) sections of 17' 8' high fencing on two sides
  - Add (4) spaces of temporary 10 min customer parking.
  - Make drive lane
  - Relocate hydrant.
  - Relocate OH door

See attached revised plans by Metro Group Architects

Sharpen impervious calcs (Alpine)
 See attached revised plans by Alpine Engineering

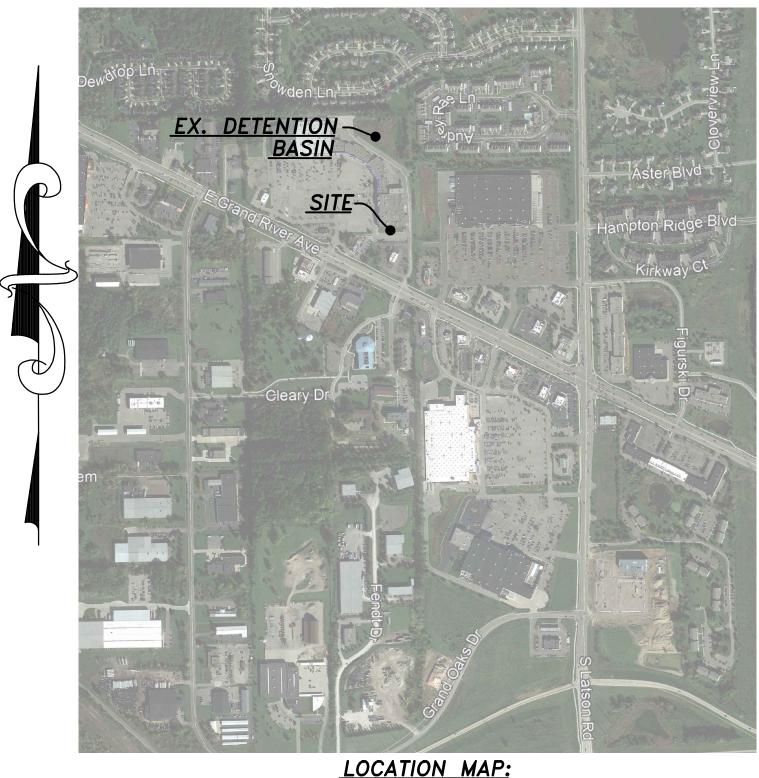
Should you require any additional information please do not hesitate to contact me.

Sincerely,

ASHMARK CONSTRUCTION, DLC

Martin J. Renel Managing Member





**LOCATION MAP:** 

#### SITE DATA:

SITE AREA: 12.74 ACRES± (GROSS)

PARCEL ID: 4711-05-400-032

EXISTING/PROPOSED ZONING: RCD REGIONAL COMMERCIAL DISTRICT

**BUILDING AREA:** 28,151 S.F. FAMILY FARM AND HOME RENOVATION

75,706 S.F. EXISTING RETAIL 103,857 S.F. BUILDING TOTAL

ONE FOR EACH 275 SQUARE FEET FOR THE NEXT 50,000 TO 450,000 SQUARE FEET OF GROSS RETAIL FLOOR AREA. ONE FOR EACH 300 SQUARE FEET FOR THAT AREA IN EXCESS OF 450,000 SQUARE FEET OF GROSS RETAIL FLOOR AREA. NON-RETAIL USES SUCH AS RESTAURANTS, BARS AND THEATERS SHALL BE CALCULATED SEPARATELY BASED UPON THEIR RESPECTIVE REQUIREMENTS

50,000 S.F. (RETAIL) / 250 + 48,857 S.F. (RETAIL) / 275 + 5,000 S.F. (ASIAN FUSION) / 100 = 428

428 TOTAL PARKING SPACES REQUIRED

467 TOTAL PARKING SPACES PROVIDED (INCLUDES 18 B.F. SPACES)

IMPERVIOUS SURFACE CALCULATION:
DRAINAGE AREA: 12.74 ACRES + 13.76 ACRES = 26.50 ACRES IMPERVIOUS SURFACE EXISTING = 19.86 ACRES (BUILDING/PAVING) / 26.50 ACRES = 75% IMPERVIOUS SURFACE PROPOSED = 19.99 ACRES (BUILDING/PAVING) / 26.50 ACRES = 75%

NOTE: THE APPLICANT PROPOSES TO ENLARGE THE EXISTING DETENTION BASIN TO ACCOMMODATE THE INCREASE IN IMPERVIOUS AREA IF NECESSARY. ADDITIONAL INFORMATION TO BE PROVIDED IN THE DETAILED ENGINEERING PLAN STAGE.

#### **SITE PLAN GENERAL NOTES:**

- 1) ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF GENOA TOWNSHIP.
- 2) THE CONTRACTOR SHALL NOTIFY "MISS DIG" AT LEAST THREE (3) WORKING DAYS PRIOR TO START OF CONSTRUCTION.
- 3) CONTRACTOR TO FIELD VERIFY LOCATION, ELEVATION, AND SIZE OF EXISTING UTILITIES.
- 4) PRELIMINARY SITE STUDY ONLY. A SURVEY WILL BE PROVIDED AT DETAILED ENGINEERING PLAN
- 5) GRADING AND STORM WATER MANAGEMENT DETAILS WILL BE PROVIDED AT DETAILED ENGINEERING PLAN STAGE.

### **NOTICE:**

CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AS DISCLOSED BY AVAILABLE UTILITY COMPANY RECORDS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE COMPANY. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF A CONFLICT IS APPARENT.

#### SHEET INDEX

SITE PLAN TRUCK CIRCULATION PLAN

DRAWN BY: TG CHECKED BY: TG/SD

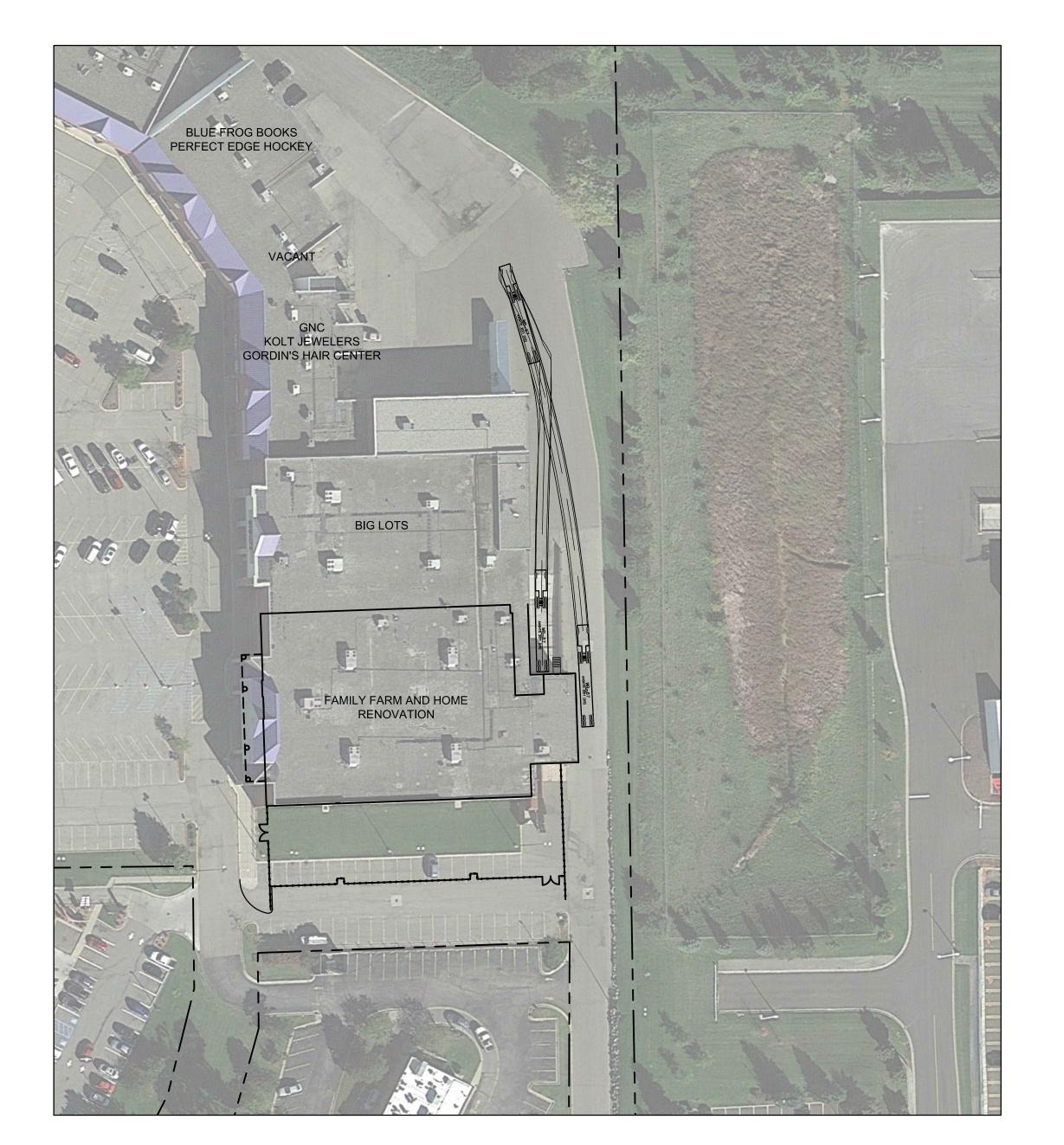
**PRELIMINARY** NOT FOR CONSTRUCTION SCALE HOR 1"=60 FT. VER 1"= FT.

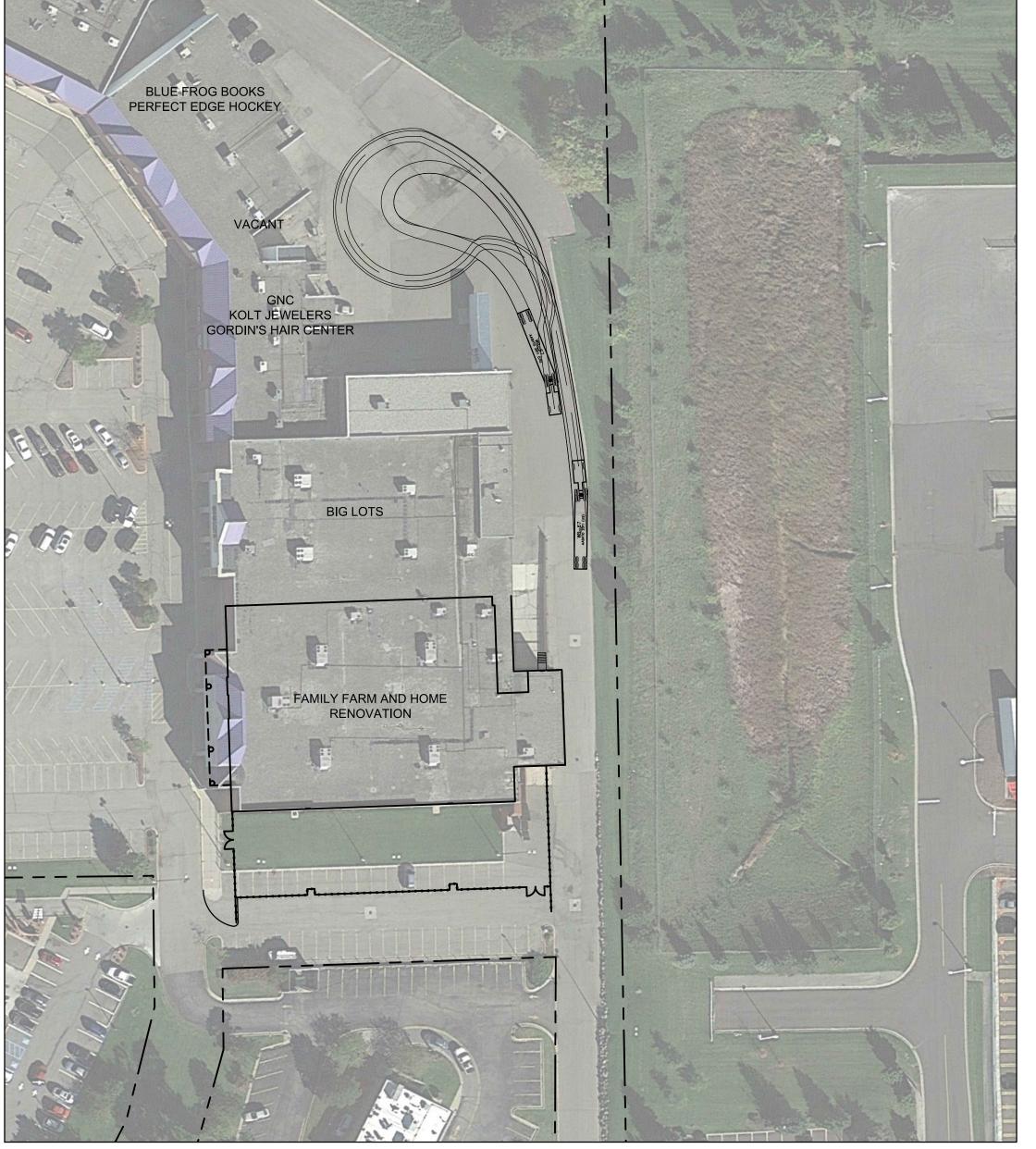
Know what's **below Call** before you dig.

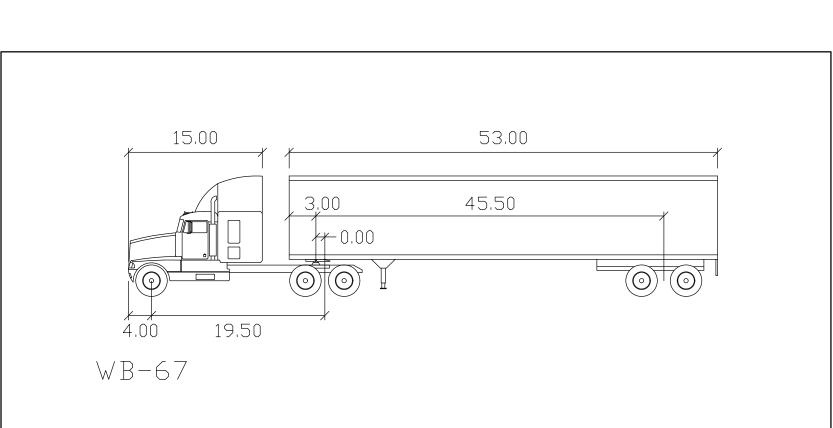
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REVISED 018-02-22 REVISED PER CLIENT 018-03-20 REVISED PER CLIENT 018-03-29 REVISED PER CLIENT

2018-01-23



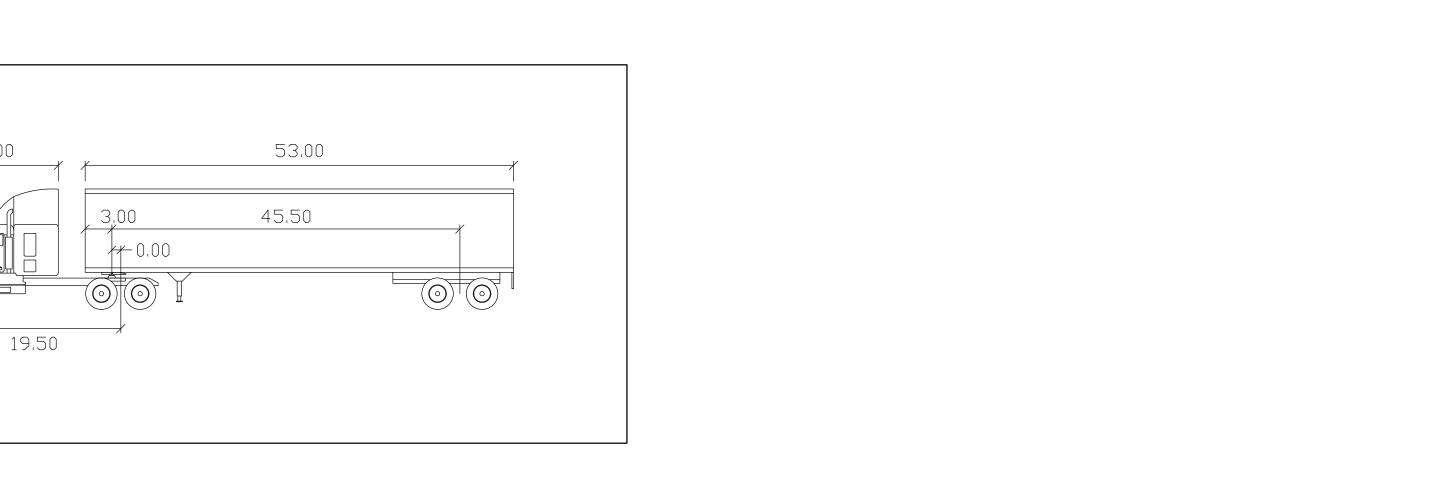




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2018-01-23 DRAWN BY: TG CHECKED BY: TG/SD <u>PRELIMINARY</u> NOT FOR CONSTRUCTION SCALE HOR 1"=60 FT. VER 1"= FT.

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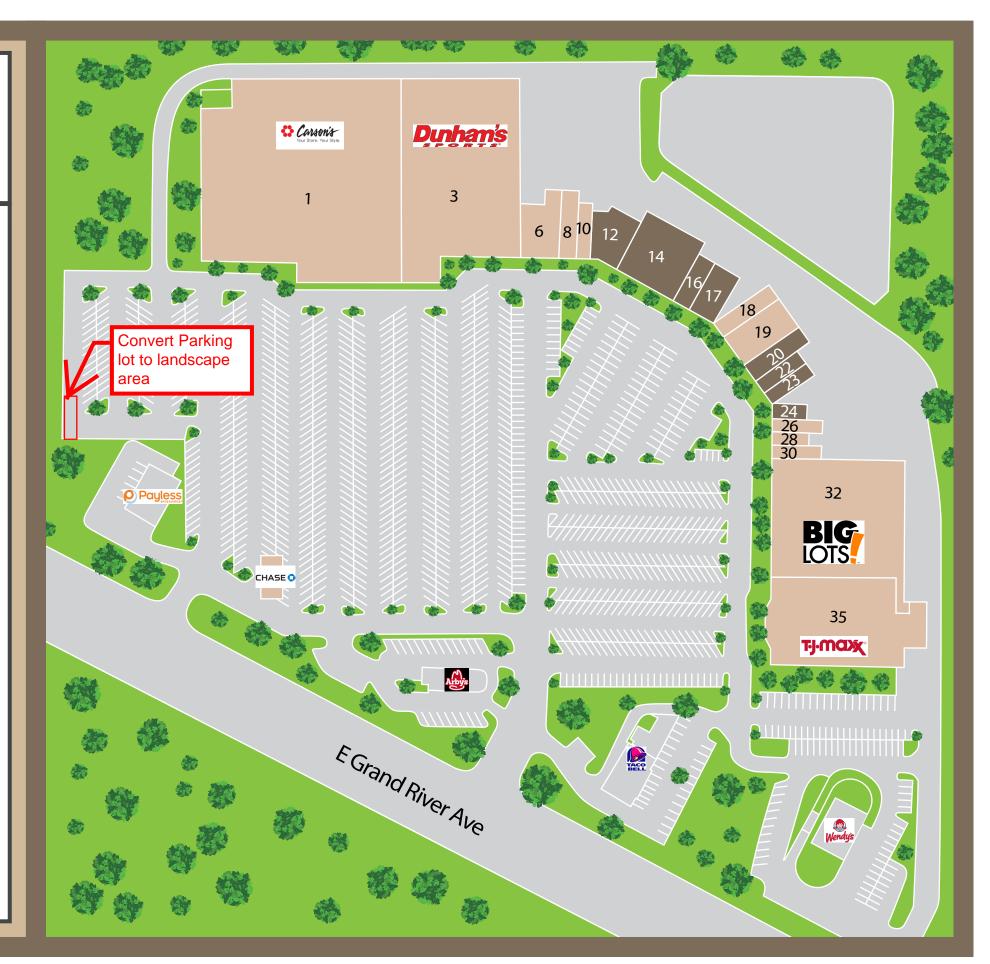
TRUCK

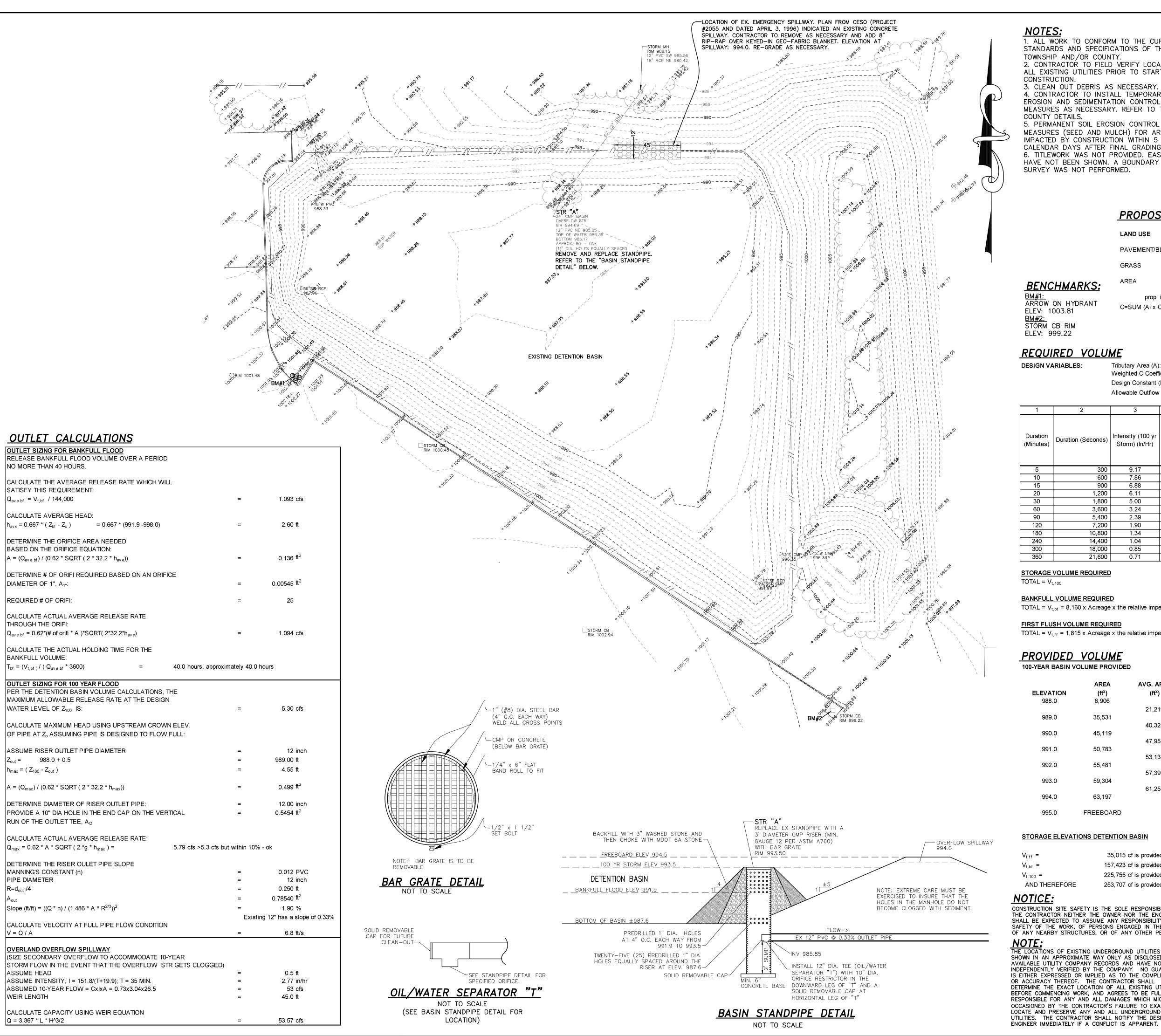
REVISED



Acquisitions • Management • Leasing

	GRAND RIVER PLAZ	ZΑ
Suite	Tenant	SF
1	Carson's/Elder-Beerman	72,873
3	Dunham's Sport	44,500
6	Asian Fusion	5,000
8	H&R Block	2,500
10	Sally Beauty supply	1,600
12	Available	4,200
14	Available	9,000
16	Available	2,000
17	Availalbe	3,200
18	Blue Frog	2,100
19	Perfect Edge Hockey	5,000
20	Available	2,800
22	Available	1,400
23	Available	1,400
24	Available	1,500
26	GNC	1,600
28	Kolt Jewelers	900
30	Gordin's Hair Center	1,200
32	Big Lots	29,674
35	TJ Maxx	28,297
	Chase Drive-thru ATM	





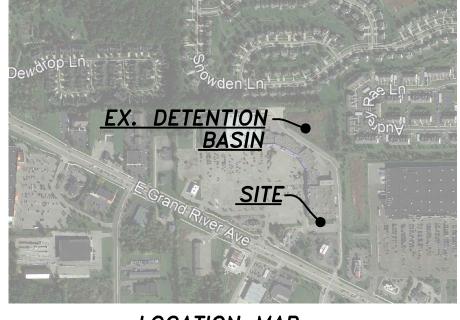
#### **NOTES:**

1. ALL WORK TO CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE TOWNSHIP AND/OR COUNTY.

2. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.

3. CLEAN OUT DEBRIS AS NECESSARY. 4. CONTRACTOR TO INSTALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AS NECESSARY. REFER TO THE COUNTY DETAILS.

5. PERMANENT SOIL EROSION CONTROL MEASURES (SEED AND MULCH) FOR AREAS IMPACTED BY CONSTRUCTION WITHIN 5 CALENDAR DAYS AFTER FINAL GRADING. 6. TITLEWORK WAS NOT PROVIDED. EASEMENTS HAVE NOT BEEN SHOWN. A BOUNDARY SURVEY WAS NOT PERFORMED.



**LOCATION MAP:** 

#### PROPOSED RUN-OFF COEFFICIENT (C)

	LAND USE	AREA (A) (acres)	RUNOFF COEFFICIENT ( C )
	PAVEMENT/BLDG	19.99	0.90
	GRASS	6.51	0.20
IARKS:	AREA	26.50	
	prop. impervious area percentaç	ge 75%	
HYDRANT 81	C=SUM (Ai x Ci) / A = $(19.994 \times C)$	0.90 ) + ( 6. 26.500	506 x 0.20 )
DIM		20.000	

= 0.73

#### REQUIRED VOLUME

**DESIGN VARIABLES:** Tributary Area (A):

26.50 acres Weighted C Coefficient 0.73 Design Constant  $(K_1) = A*C$ : 19.29 Allowable Outflow Rate (Q<sub>o</sub>): 5.300 cfs

1	2	3	4	5	6	7
Duration (Minutes)	Duration (Seconds)	Intensity (100 yr Storm) (In/Hr)	Col. #2 x Col. #3 Inches	Inflow Volume = Col.4 x K (Cu. Ft)	Outflow Volume Col.2 x Q <sub>o</sub> (Cu. Ft)	Storage Volume Col.5 - Col.6 (Cu. Ft)
5	300	9.17	2,751	53,072	1,590	51,482
10	600	7.86	4,716	90,981	3,180	87,801
15	900	6.88	6,192	119,456	4,770	114,686
20	1,200	6.11	7,332	141,449	6,360	135,089
30	1,800	5.00	9,000	173,628	9,540	164,088
60	3,600	3.24	11,664	225,022	19,080	205,942
90	5,400	2.39	12,906	248,983	28,620	220,363
120	7,200	1.90	13,680	263,915	38,160	225,755
180	10,800	1.34	14,472	279,194	57,240	221,954
240	14,400	1.04	14,976	288,917	76,320	212,597
300	18,000	0.85	15,300	295,168	95,400	199,768
360	21,600	0.71	15,336	295,862	114,480	181,382

STORAGE VOLUME REQUII	RED
TOTAL - \/	

BANKFULL VOLUME REQUIRED TOTAL =  $V_{t,bf}$  = 8,160 x Acreage x the relative impervious factor, C =

FIRST FLUSH VOLUME REQUIRED TOTAL =  $V_{t.ff}$  = 1,815 x Acreage x the relative impervious factor, C =

### PROVIDED VOLUME

100-YEAR BASIN VOLUME PROVIDED

O-TEAK BASIN VC	AREA	AVG. AREA	HEIGHT	CUMULATIVE VOLUME
ELEVATION	(ft²)	(ft²)	(ft)	(cf)
988.0	6,906			
		21,219	1.0	21,219
989.0	35,531	40,325	1.0	61,544
990.0	45,119	40,323	1.0	61,544
	,,,,,,,	47,951	1.0	109,495
991.0	50,783			
000.0	EE 404	53,132	1.0	162,627
992.0	55,481	57,393	1.0	220,020
993.0	59,304	01,000	1.0	220,020
		61,251	1.0	281,271
994.0	63,197			

#### STORAGE ELEVATIONS DETENTION BASIN

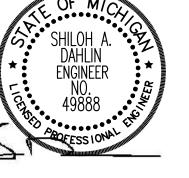
FREEBOARD

		$Z_{o} =$	988.0	
$V_{t,ff}$ =	35,015 cf is provided at	$Z_{ff} =$	989.3	
$V_{t,bf}$ =	157,423 cf is provided at	$Z_{bf} =$	991.9	
$V_{t,100} =$	225,755 cf is provided at	Z <sub>100</sub> =	993.1 USE 993.5	
AND THEREFORE	253,707 cf is provided at	Z <sub>100</sub> =	993.5	

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225,755 cf

157,423 cf

35,015 cf

SILE ENGINEERING INDUSTRIAL & MULTI-UNI LAND SURVEYING CONSTRUCTION LAYOUT	(248) 926–3701 (BUS) (248) 926–3765 (FAX
Q Ö	

Know what's **below** Call before you dig.

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0 REVISED

2018-04-02 DRAWN BY: SD CHECKED BY: TG/SD

FBK: **243** CHF: RF SCALE HOR 1"= **30** FT. VER 1"= FT.

# Family Farm & Home Interior Renovation

3685 East Grand River Ave Howell MI 48843

### Tenant:

Family Farm and Home c/o ASHMARK Construction LLC

5640 West Maple, Suite 101 West Bloomfield, MI 48332 P: (248) 855-1575- Martin Renel

### Contractor:

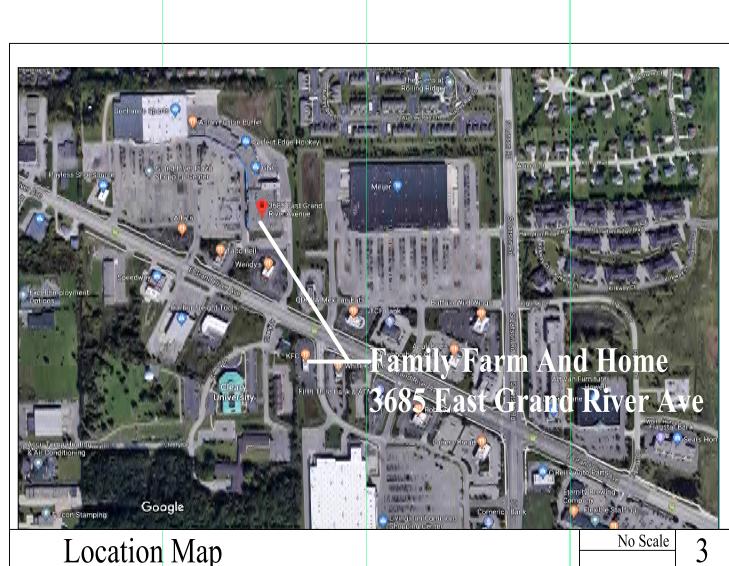
# ASHMARK Construction LLC

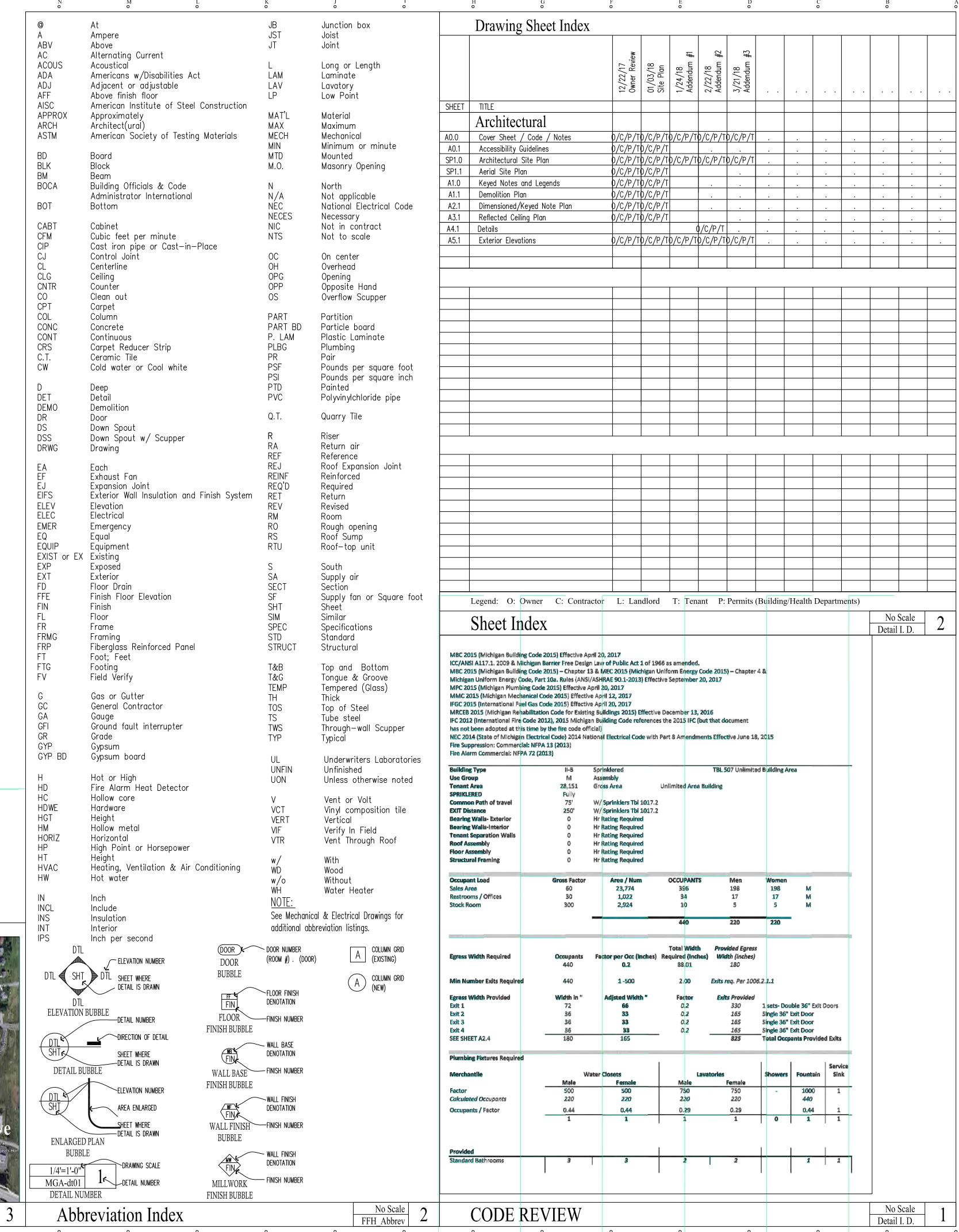
5640 West Maple, Suite 101 West Bloomfield, MI 48332 P: (248) 855-1575- Martin Renel

## Architect:

# Metro Group Architects

P.O. Box 7363 Ann Arbor, MI 48107 P: (734) 747-8999 - Robert Kerr





ARCHITECTS

1 Arbor, Michigan 48107 Phone: (734) 747-8999

GROUP



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and amil

3/21/18 Addendum ; 2/22/18 Addendum #2 <u>1/24/18 Addendum #</u> 1/3/18 Site Plan Submission <u> 12/22/17 Owner Review</u>

Drawn: MMH Checked: RDK

171129 Sheet Index Location Map Abbreviations

