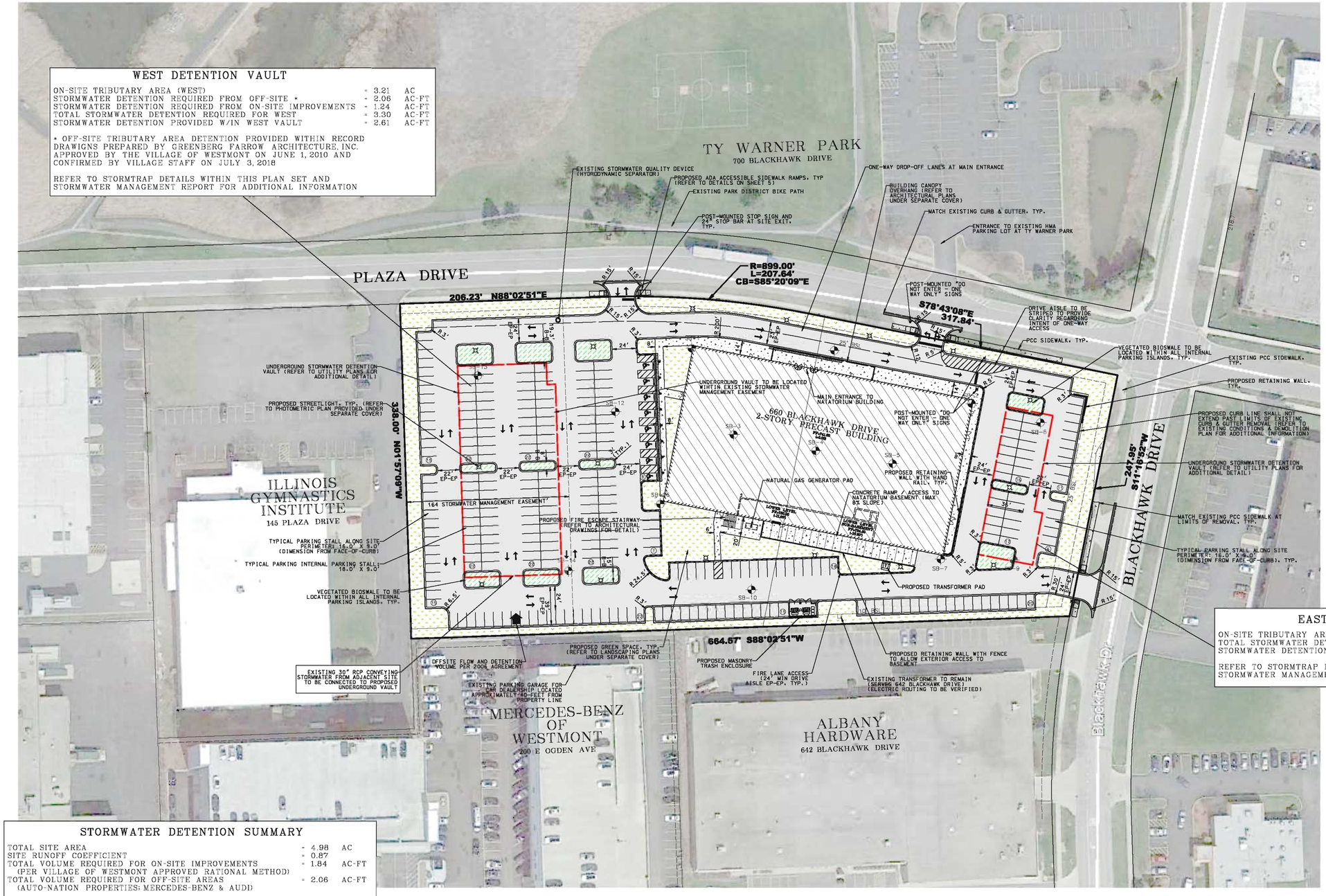
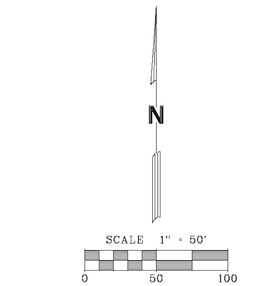
WEST DETENTION VAULT

ON-SITE TRIBUTARY AREA (WEST)	= 3.21	AC
STORMWATER DETENTION REQUIRED FROM OFF-SITE *	= 2.06	AC-FT
STORMWATER DETENTION REQUIRED FROM ON-SITE IMPROVEMENTS	= 1.24	AC-FT
TOTAL STORMWATER DETENTION REQUIRED FOR WEST	= 3.30	AC-FT
STORMWATER DETENTION PROVIDED W/IN WEST VAULT	= 2.61	AC-FT

* OFF-SITE TRIBUTARY AREA DETENTION PROVIDED WITHIN RECORD DRAWIGNS PREPARED BY GREENBERG FARROW ARCHITECTURE, INC. APPROVED BY THE VILLAGE OF WESTMONT ON JUNE 1, 2010 AND CONFIRMED BY VILLAGE STAFF ON JULY 3, 2018

REFER TO STORMTRAP DETAILS WITHIN THIS PLAN SET AND STORMWATER MANAGEMENT REPORT FOR ADDITIONAL INFORMATION





LEGEND

- LANDSCAPED GREEN SPACE
- VEGETATED BIOSWALE (WITHIN PARKING ISLANDS)
- UNDERGROUND DETENTION VAULT FOOTPRINT

SITE PLAN GENERAL NOTES

1. ALL DIMENSIONS ARE TO BACK OF CURB OR FACE OF BUILDING, UNLESS OTHERWISE NOTED.
2. ALL RADII ARE TO BACK OF CURB, UNLESS OTHERWISE NOTED.
3. ALL BUILDING DIMENSIONS ARE BASED ON ARCHITECTURAL PLANS PREPARED BY LEGAT ARCHITECTS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS AND CONTACT THE ARCHITECT FOR ANY DISCREPANCIES.
4. ALL ONSITE PAVEMENT MARKINGS SHALL BE PAINTED, UNLESS OTHERWISE NOTED.
5. ALL PROPOSED CURB AND GUTTER SHALL BE B6.12 AND SHALL BE DEPRESSED CURB WHERE SIDEWALK MEETS A STREET, UNLESS OTHERWISE INDICATED. CURB DEPRESSIONS SHALL MEET ADA REQUIREMENTS AS NOTED IN THE CONSTRUCTION DETAILS.
6. ALL JOINTS MADE WITH EXISTING PAVEMENT, CURB, WALK OR CURB AND GUTTER ARE TO BE SAWCUT FULL DEPTH WITHIN 24 HOURS OF PLACEMENT.
7. ALL CURB ISLANDS TO HAVE 1-FOOT MINIMUM RADIUS ON CORNERS, UNLESS OTHERWISE SHOWN.

PARKING COUNT:

STANDARD PARKING STALLS: 305
ADA ACCESSIBLE PARKING STALLS: 8

TOTAL PARKING STALLS REQUIRED: 280
TOTAL PARKING STALLS PROVIDED: 297

EAST DETENTION VAULT

ON-SITE TRIBUTARY AREA (EAST)	= 1.57	AC
TOTAL STORMWATER DETENTION REQUIRED FOR EAST	= 0.60	AC-FT
STORMWATER DETENTION PROVIDED W/IN EAST VAULT	= 0.89	AC-FT

REFER TO STORMTRAP DETAILS WITHIN THIS PLAN SET AND STORMWATER MANAGEMENT REPORT FOR ADDITIONAL INFORMATION

VOLUME CONTROL / PCMBP SUMMARY:

VOLUME CONTROL REQUIRED = 1.25" / SF (NEW IMPERVIOUS)
EXISTING ON-SITE IMPERVIOUS = 28,530 SF
NEW ON-SITE IMPERVIOUS = 133,305 SF
VOLUME CONTROL REQUIRED = 13,886 CF (0.32 AC-FT)

VOLUME CONTROL PROVIDED VIA UNDERGROUND VAULTS = 10,977 CF
VOLUME CONTROL PROVIDED VIA VEGETATED BIOSWALE = 5,993 CF (LOCATED WITHIN PARKING ISLANDS)
TOTAL VOLUME CONTROL PROVIDED = 16,970 CF (0.39 AC-FT)

VCBMP IMPORTANCE VALUE REQUIRED = 2.5
VCBMP IMPORTANCE VALUE PROVIDED = 3.5
(VIA BIOSWALES AND HYDRODYNAMIC SEPARATOR)

STORMWATER DETENTION SUMMARY

TOTAL SITE AREA	= 4.98	AC
SITE RUNOFF COEFFICIENT	= 0.87	
TOTAL VOLUME REQUIRED FOR ON-SITE IMPROVEMENTS (PER VILLAGE OF WESTMONT APPROVED RATIONAL METHOD)	= 1.84	AC-FT
TOTAL VOLUME REQUIRED FOR OFF-SITE AREAS (AUTO-NATION PROPERTIES: MERCEDES-BENZ & AUDI)	= 2.06	AC-FT
TOTAL VOLUME REQUIRED	= 3.90	AC-FT
TOTAL VOLUME PROVIDED	= 3.50	AC-FT
ADDITIONAL STORMWATER DETENTION REQUIRED	= 0.40	AC-FT

REFER TO SHEETS 6 & 11 FOR ADDITIONAL PAVEMENT DESIGN, DETAILS, AND PAVEMENT CROSS-SECTIONS

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CLIENT:
FMC AQUATIC OPPORTUNITIES
3615 ADAMS ROAD
OAK BROOK, IL 60523

DATE	DESCRIPTION OF REVISION	BY
07/05/2018	PRELIMINARY ENGINEERING - ISSUED FOR VILLAGE P.Z.C.	RNM

DESIGNED	RNM
DRAWN	DWP
APPROVED	AJM
DATE	06/08/2018
SCALE	1" = 50'

OVERALL SITE PLAN
660 BLACKHAWK DRIVE
VILLAGE OF WESTMONT, ILLINOIS

SHEET 2 OF 17

PROJECT NUMBER: 2890B

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