



LEGEND		
CLEAN-OUT	MANHOLE	EXISTING SANITARY SEWER
HYDRANT	GATE VALVE	EXISTING WATER MAIN
INLET	RYCB	MANHOLE
UTILITY POLE	GUY POLE	GUY WIRE
EXISTING LIGHT POLE	EXISTING SIGN	EXISTING OVERHEAD LINES
C.O.	MANHOLE	PR. SANITARY SEWER
HYDRANT	GATE VALVE	PROPOSED WATER MAIN
INLET	RYCB	MANHOLE
COMPACT TO 95% MAX. DENSITY		PROPOSED STORM SEWER
A		PR. SAND BACKFILL
TC 600.00		UTILITY CROSSING
SU 600.00		PR. TOP OF CURB ELEVATION
TW 600.00		PROPOSED GUTTER ELEVATION
TP 600.00		PR. TOP OF WALK ELEVATION
FG 600.00		PR. TOP OF PAVEMENT ELEV.
600		PROPOSED FINISH GRADE
		PROPOSED CONTOUR
		PROPOSED SWALE
		PR. DRAINAGE DIRECTION
		PROPOSED INLET FILTER
		DRAINAGE AREA LIMITS
		PROPOSED SILT FENCE
		LIMITS OF SOIL DISRUPTION

UTILITY DEMOLITION LEGEND	
XXXXXXXXXX	INDICATES LIMITS OF EXISTING UTILITY REMOVAL
//////	INDICATES LIMITS OF EXISTING UTILITY ABANDONMENT
⊗	INDICATES EXISTING UTILITY STRUCTURE TO BE ABANDONED OR REMOVED
~~~~~	INDICATES LIMITS OF EXISTING UTILITY TO BE ABANDONED OR REMOVED (BY OTHERS)
○	INDICATES EXISTING UTILITY STRUCTURE TO BE ABANDONED OR REMOVED (BY OTHERS)

LEGEND	
	LIMITS OF BLOOMFIELD TOWNSHIP

**DEMOLITION NOTES**

DEMOLITION OF SITE IMPROVEMENTS SHALL BE ALLOWED ONLY AFTER AN APPROVED ALL DEMOLITION SHALL BE IN ACCORDANCE WITH MUNICIPAL (LOCAL, COUNTY, & STATE) REQUIREMENTS.

PERMIT HAS BEEN SECURED FROM THE PUBLIC AGENCY HAVING JURISDICTION OVER SAID DEMOLITION.

FOR ANY DEMOLITION WITHIN PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL PAY FOR, AND SECURE, ALL NECESSARY PERMITS AND LIKEWISE SHALL ARRANGE FOR ALL SITE INSPECTIONS.

SITE DEMOLITION INCLUDES THE COMPLETE REMOVAL OF SITE IMPROVEMENTS AND OFF-SITE DISPOSAL. DEBRIS SHALL BE TRANSPORTED TO AN APPROPRIATE DISPOSAL FACILITY THAT IS LICENSED FOR THAT TYPE OF DEBRIS.

THE CONTRACTOR SHALL COORDINATE TRUCK ROUTES WITH THE MUNICIPALITY PRIOR TO COMMENCEMENT OF SITE DEMOLITION. ALL TRUCKS SHALL BE TARPED OR PROPERLY SECURED TO CONTAIN DEMOLITION DEBRIS PRIOR TO LEAVING SITE.

EXISTING ON-SITE UNDERGROUND UTILITIES AND BUILDING SERVICES HAVE BEEN INDICATED BASED UPON THE BEST AVAILABLE UTILITY RECORDS AND/OR ON-SITE INSPECTION. NO GUARANTEE IS MADE BY THE DESIGN ENGINEER, AS TO THE COMPLETENESS OR ACCURACY OF UTILITY DATA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF UTILITY INFORMATION (THE DESIGN ENGINEER MAKES NO GUARANTEE NOR ASSUMES ANY LIABILITY AS TO THE COMPLETENESS AND/OR ACCURACY OF UTILITY DATA).

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO SITE DEMOLITION.

* THE CONTRACTOR SHALL NOTIFY MISS DIG (1-800-482-7171) A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO THE START OF THE SITE DEMOLITION.

ALL UTILITY METERS SHALL BE REMOVED BY THE APPROPRIATE UTILITY COMPANY.

THE DEMOLITION CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD ANY SUSPICIOUS MATERIAL BE FOUND. HAZARDOUS MATERIAL IS NOT EXPECTED TO BE FOUND ON-SITE.

WHERE EXISTING BUILDINGS ARE REMOVED, BASEMENT FLOOR SLABS, FOUNDATION WALLS AND FOOTINGS SHALL BE COMPLETELY REMOVED AND BACK FILLED WITH MDOT CLASS II GRANULAR MATERIAL AND BE MACHINE COMPACTED TO A MINIMUM OF 98% OF MATERIALS MAXIMUM DENSITY.

AREAS OF DEMOLISHED BUILDINGS SHALL BE ROUGH GRADED TO THE GRADES INDICATED ON THE PLANS PITCHED OR CROWNED TO DIRECT DRAINAGE TOWARDS EXISTING DRAINAGE STRUCTURES.

EXISTING LOOSE CONSTRUCTION MATERIAL, INCLUDING THE UNDEVELOPED EASTERN PORTION OF THE SITE, SHALL BE REMOVED AND DISPOSED OF.

NO UTILITY POLES ARE PLANNED TO BE REMOVED. ALL UTILITY POLES SHALL BE PROTECTED AND THEIR PROTECTION SHALL BE COORDINATED WITH THE UTILITY COMPANY.

AN INDEPENDENT ELECTRICAL COMPANY SHALL BE HIRED BY THE OWNER TO ENSURE THAT ALL ELECTRICAL SYSTEMS THROUGHOUT THE SITE ARE INACTIVE.

WATER AND SEWER SERVICES TO DEMOLISHED BUILDINGS SHALL HAVE ALL VERTICAL COMPONENTS REMOVED DOWN TO THE HORIZONTAL LINE AND BE CAPPED / BULKHEADED.

THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL MUNICIPALITY TO VERIFY THAT ON-SITE WATER MAINS ARE TURNED OFF.

**CIVIL ENGINEERS  
LAND SURVEYORS  
LAND PLANNERS**

NOWAK & FRAUS ENGINEERS  
46777 WOODWARD AVE.  
PONTIAC, MI 48342-5032  
TEL. (248) 332-7931  
FAX. (248) 332-8257

SEAL

**PROJECT**  
Village at Bloomfield

**CLIENT**  
REDICO  
One Towne Square,  
Suite 1600  
Southfield, MI 48076

**Contact:**  
Phone: (248) 784-6486

**PROJECT LOCATION**  
Part of the W. 1/2 of Section 5,  
T. 2N., R. 10E., and part of the  
NE 1/4 of Section 6, T. 2N., R.  
10E., Bloomfield Township, The  
City of Pontiac and Bloomfield  
Township (conditionally  
transferred to The City of  
Pontiac) Oakland County,  
Michigan

**SHEET**  
Utility Demolition Plan

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

DATE	ISSUED / REVISED
05-12-17	Bids / Permits

**DRAWN BY:**  
A. Wiseman

**DESIGNED BY:**  
A. Wiseman

**APPROVED BY:**  
P. Williams

**DATE:**  
April 3, 2017

**SCALE:**  
1" = 40'

**NFE JOB NO.**  
A116-21

**SHEET NO.**  
C-16