

SITE CONSTRUCTION PLANS FOR Harvest Square WAUKESHA, WISCONSIN

DEVELOPER:
Good Harvest Market, LLC
2205 Silver Nail Road
Pewaukee, WI 53072
(262) 544-9380
Joseph Nolan, Managing Member

ENGINEER:
Site Engineering Services
Martin D. Worden, PE
2920 Oakwood Road
Hartland, WI 53029
(262) 367-4960 office
marty.worden@att.net email



VICINITY MAP



SHEET NO.	DESCRIPTION
CE-1	COVER SHEET
CE-2	SITE PLAN
CE-3	GRADING & EROSION CONTROL PLAN
CE-4	WATER MAIN & LATERAL
CE-5	SPECIFICATIONS & DETAILS
CE-6	SPECIFICATIONS & DETAILS
CE-7	SURROUNDING PROPERTY EXHIBIT
CE-8	

PLAN DATE: June 21, 2019		
REVISIONS	ISSUE DATE	SHEET NO.'S

SCALE:	PROJECT NO.: 19002
	DATE: 6/21/2019
SHEET NUMBER: CE-1	

DATE	DESCRIPTION	ISSUE
10/27/16	ISSUE	ISSUE

Site Engineering Services

2920 Oakwood Road
Harshland, WI 53029
262-582-4480 office
262-582-9197 cell
Marlin D. Weiden, PE
Civil Engineer/Consultant

City of Waukesha, Waukesha County, Wisconsin
2201 Silvernail Road
Harvest Square
for
SITE PLAN

SCALE: 1" = 20'
PROJECT NO. 10002
DATE: 07/27/2019
TRACT NUMBER
CE-2

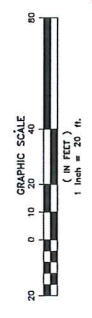
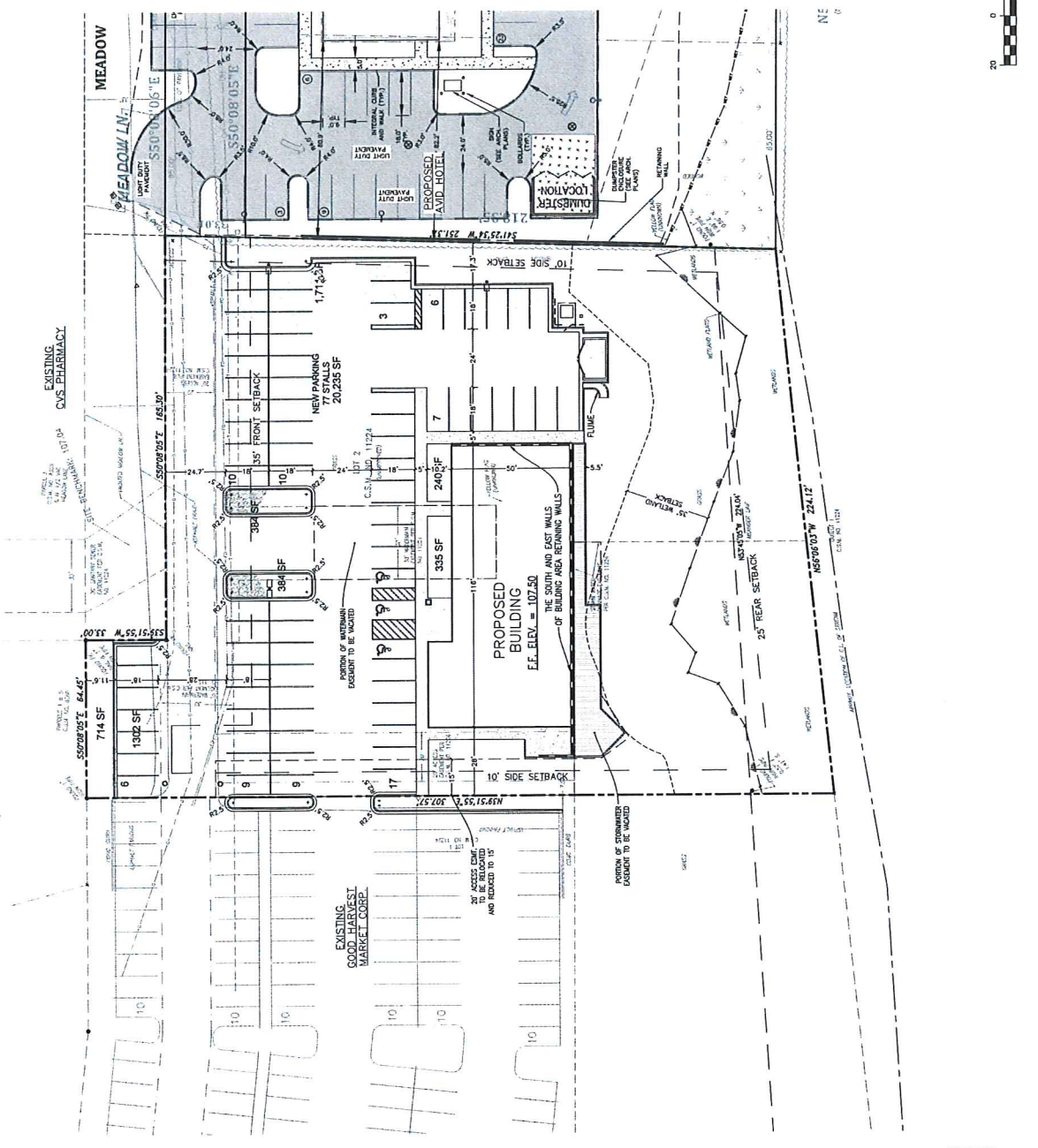
PRELIMINARY
NOT FOR CONSTRUCTION



SITE STATISTICS

- LOT AREA = 61,594 ft² (1.414 Ac.)
- WETLAND AREA = 8,122 ft² (0.186 Ac.)
- IMPERVIOUS AREA = 35,638 ft² (0.816 Ac.)
- GREEN SPACE = 17,934 ft² (29%)

- LEGEND**
- PROPOSED PAVEMENT: 2" ASPHALT BASE COURSE, 2" 1 1/2" BITUMINOUS STONE (18A)
 - PROPOSED CONCRETE PAVEMENT: 4" 1 1/2" BITUMINOUS STONE BASE



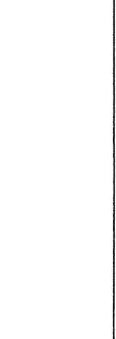
PRELIMINARY
NOT FOR CONSTRUCTION

Toll Free (800) 242-5811
Main (262) 582-4481
Fax (262) 582-4480
Hearings (262) 582-2239
www.DiggersHotline.com

CE-2
SHEET NUMBER

SCALE: 1"=30'
PROJECT NO. 19020
DATE: 6/21/2019

PRELIMINARY
NOT FOR CONSTRUCTION



2201 Silvernail Road
Harvest Square
for
GRADING & EROSION CONTROL PLAN
City of Waukesha, Waukesha County, Wisconsin

Site Engineering Services
2920 Oakwood Road
Madison, WI 53703
262-267-1990 office
262-267-1992 cell
marty.wornden@siteeng.com
North D. Warden, PE
Civil Engineer/Consultant



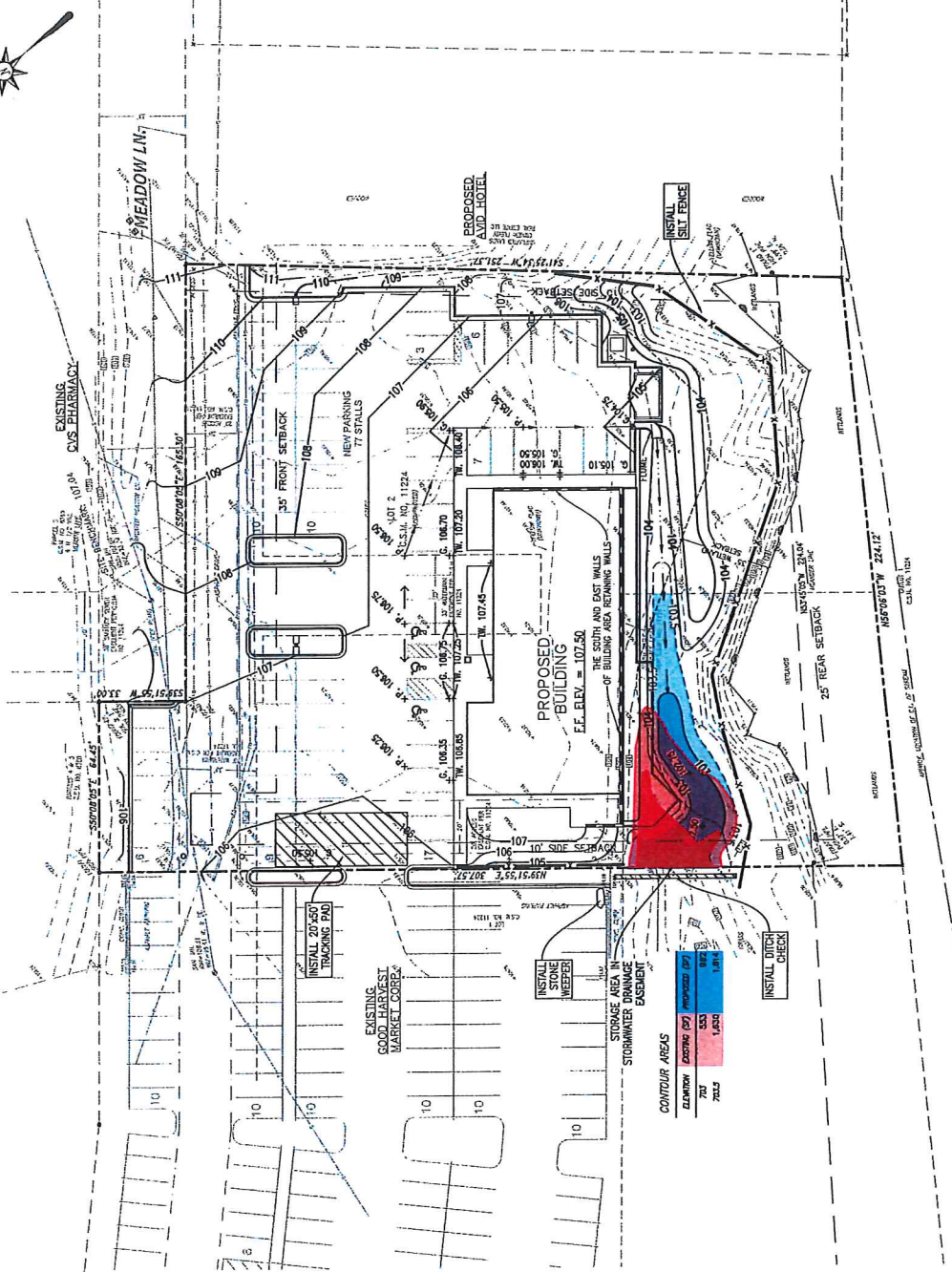
PROJECT NUMBER	ISSUE	DESCRIPTION	DATE

LEGEND

- ± 61.50 PAVEMENT GRADE
- ± 61.40 CURB GRADE
- ± 61.30 TOP OF CURB GRADE
- ± 61.20 PROPOSED CATCH BASIN/ELEV
- ± 61.00 PROPOSED CONTOURS
- EXISTING CONTOURS
- SILT FENCE
- STRAW MATTING
- TRACKING PAD
- INLET GRADE SCREEN, TYPE "D"

PROPOSED STORM DRAINAGE
2" x 12" VENT STORM DRAIN WITH MANHOLE IN SLOTTED SAND FILTER

SEE REMARKS FOR THE FINISH COORDINATE AND LOCATION OF THE CENTERLINE OF ALL MEASUREMENTS. THE COORDINATE SYSTEM IS THE 2011 NAD 83 DATUM. THE ELEVATION IS IN FEET. THE HORIZONTAL DISTANCE IS IN FEET. THE VERTICAL DISTANCE IS IN FEET. THE TOTAL DISTANCE IS IN FEET.



CONTOUR AREAS

ELEVATION	EXISTING (SF)	PROPOSED (SF)
70.0	533	822
70.5	1,000	1,394

INSTALL OPEN CHECK

INSTALL WEEDER

INSTALL 20'x50' TRACKING PAD

ANimator
The Free (800) 242-8811
3000 South Ave. (10) 205-412208
www.animator.com

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- Site Preparation Notes:**
- The proposed improvements shall be constructed according to Wisconsin Standard Specifications for Road and Bridge Construction, latest edition, and the local ordinances and specifications.
 - Existing site conditions shall be shown throughout the construction period. This may include the location of manhole covers, or pumping to alternate water pumping.
 - The contractor shall verify the project owner and the municipality forty-eight (48) hours prior to the start of construction.
 - The Municipality shall have the authority to approve, reject, and request the construction of the improvements detailed in this project.
 - The contractor shall indemnify the owner, the Engineer, the Municipality, and their agents from all liability involved with the construction, installation, and testing of the work on this project.
 - The contractor shall be responsible for determining quantities, and shall state such quantities in his proposal. The contractor shall be responsible for the work required and shall not rely on the Engineer's estimate of quantities.
 - The contractor shall be responsible for verifying soil conditions prior to the start of construction. A geotechnical report may be available from the Owner.
 - The contractor is responsible for obtaining all site conditions prior to the start of construction. If site conditions do not match the plans, the Contractor shall notify the Owner and Engineer immediately, to allow for possible plan revisions.
 - The contractor shall obtain and pay for all permits required to perform the work. The Contractor shall conduct this work according to the requirements of the permit.
 - The Contractor shall be responsible for notifying all utility agencies about the proposed work. The Contractor shall verify the location of all utilities to verify the utilities of his materials, and to request field marking of all existing utilities.
 - 2.5N fence, steel screens, and other erosion control facilities shall be installed prior to construction, or other land disturbing activity.
 - All site improvements and construction shown on the plans shall conform to the City of Waukesha Department Handbook & Infrastructure Specifications. Where the plans do not comply, it shall be the sole responsibility and expense of the Developer to make revisions to the plans and/or construction infrastructure to comply.

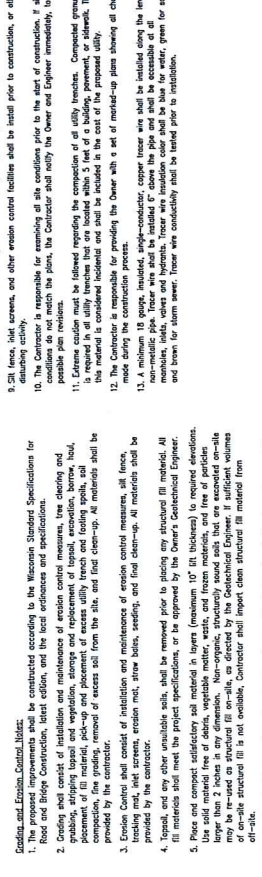
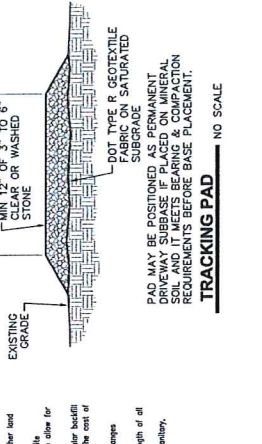
- Site Drainage Notes:**
- The proposed improvements shall be constructed according to Wisconsin Standard Specifications for Road and Bridge Construction, latest edition, and the local ordinances and specifications.
 - Materials for public water main and private water later shall be as follows:
PVC pipe shall conform to AWWA C-300 with push-on, electronic ring gasket conforming to ASTM D-1685. A continuous tracer wire shall be installed for the length of the water main one strand.
Ducts and fittings shall be reinforced joint.
All manholes shall be reinforced concrete. All manhole pipe and all manhole shall be 18" minimum diameter. All manhole shall be installed in accordance with section 4.4.4 of the Standard Specifications.
 - Grate covers shall be made of 24" x 24" cast iron, or minimum #2000 series.
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The contractor shall provide concrete basements at all basins, basins, hydrants, and dead ends of the water main and water latered. Cuts of the pipe that cannot be buttressed shall be stopped with trenched roots. See Bid Item and corresponding details in the Standard Specifications.
 - The Contractor shall install concrete basements at all basins, basins, hydrants, and dead ends of the water main and water latered. Cuts of the pipe that cannot be buttressed shall be stopped with trenched roots. See Bid Item and corresponding details in the Standard Specifications.
 - Materials for sanitary sewer pipe and manholes shall be as follows:
Pipe 12" diameter and larger shall be reinforced concrete, ASTM C-76, or HDPE, ASTM 2448.
Pipe smaller than 12" diameter shall be PVC, SDR-35, ASTM D-3024 with rubber gasket joints.
Trench section shall be Class B for sanitary sewer.
Manholes shall be precast concrete, ASTM D-472. Sanitary manholes shall have rubber joints, and chimney mesh meeting ASTM C-923.
Castings for manholes shall be cast iron. Manhole or approved equal. All castings in pavement shall be heavy duty.
Manholes to manholes shall be made with precast concrete rings or outside blocks. All manholes shall be installed in accordance with the Standard Specifications. The maximum offset shall not exceed 12".
 - All connections to existing structures shall be cast concrete.
 - The Contractor shall barricade all open excavations, especially during non-working hours.
 - 2.5N fence, steel screens, and other erosion control facilities shall be installed prior to construction, or other land disturbing activity.
 - The contractor shall be responsible for marking all site conditions prior to the start of construction. If site conditions do not match the plans, the Contractor shall notify the Owner and Engineer immediately, to allow for possible plan revisions.
 - Utilities location must be verified regarding the completion of all utility trenches. Completed greater benefit is required in all utility trenches. The contractor shall be responsible for marking all site conditions. The cost of marking shall be included in the bid of the proposed utility.
 - The Contractor is responsible for providing the Owner with a set of marked-up plans showing all changes made during the construction process.
 - A minimum 10 gauge, insulated, single-conductor, copper tracer wire shall be installed along the length of all non-metallic pipe tracers wire shall be installed if cover the pipe shall be accessible as follows:
- for sanitary sewer, 12 gauge, insulated, single-conductor, copper tracer wire shall be installed prior to installation, and
- for storm sewer, Tracer wire conductivity shall be tested prior to installation.

Site Engineering Services

520 Oakwood Road
Holbrook, WI 53029
262-297-4950 office
mlyw@wedhengineering.com email
LTD TECHNOLOGY INC
PROJECT ENGINEER: HARRI
PROJECT NO.: 2021-011

DATE	RESERVED
ISSUE	
PROJECT TEAM	

City of Waukesha, Waukesha County, Wisconsin
2201 Silvernail Road
Harvest Square
for
SPECIFICATIONS & DETAILS (1)



Scale: AS NOTED
PROJECT NO: 2022
DATE: 07/21/2019
SHEET NUMBER: CE-6

PRELIMINARY NOT FOR CONSTRUCTION

GENERAL NOTES

1. All materials shall be tested and approved by the Engineer before use.
2. All materials shall be tested and approved by the Engineer before use.
3. All materials shall be tested and approved by the Engineer before use.
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10. All materials shall be tested and approved by the Engineer before use.
11. All materials shall be tested and approved by the Engineer before use.
12. All materials shall be tested and approved by the Engineer before use.
13. All materials shall be tested and approved by the Engineer before use.

JOINING TWO LENGTHS OF SILTY FENCE

TRENCH DETAIL

PAAD MAY BE POSITIONED AS PERMANENT OR REMOVABLE. SOIL AND IT MEETS BEARING & COMPACTION REQUIREMENTS BEFORE BASE PLACEMENT.

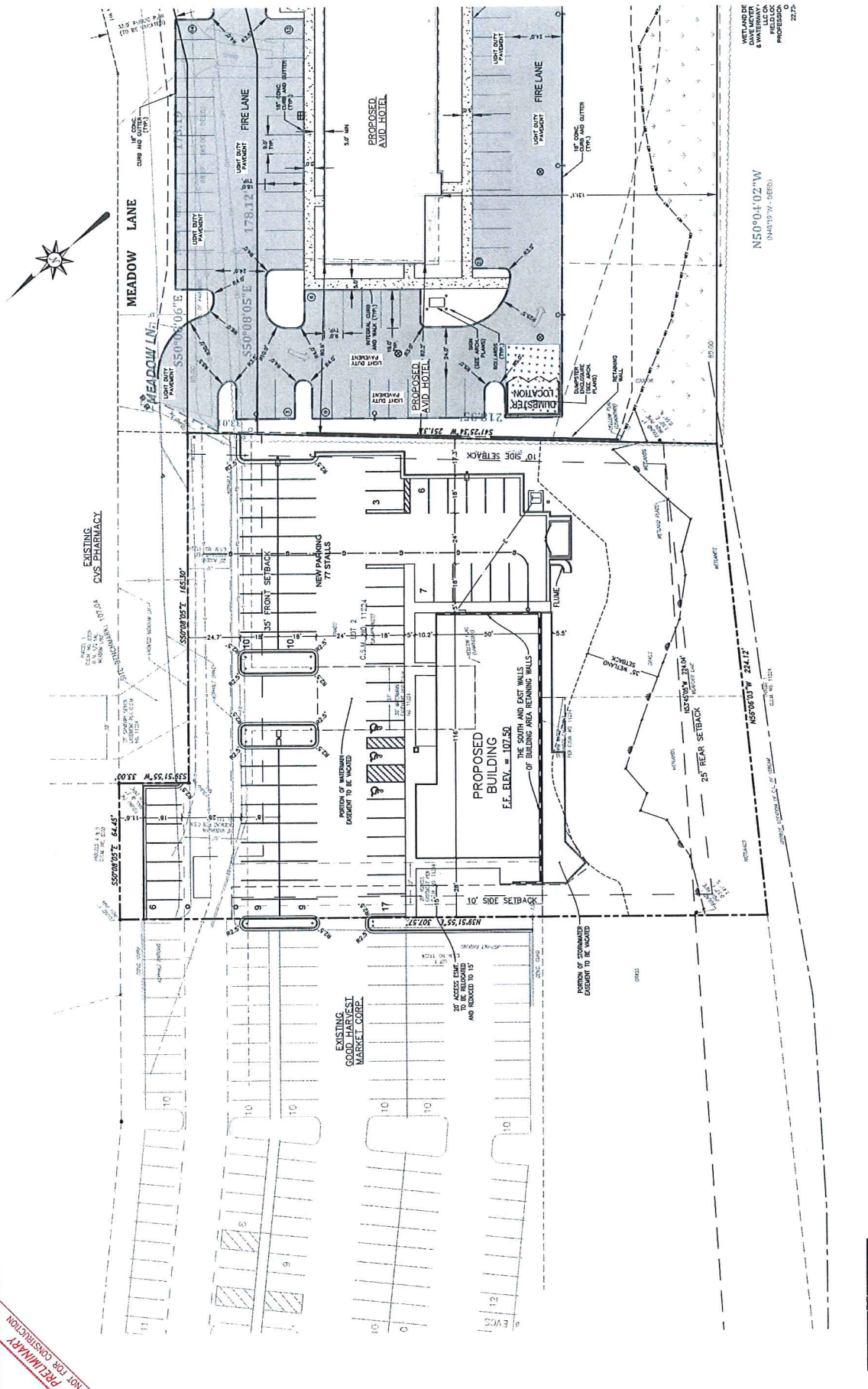
SCALE: 1" = 20'
 PROJECT NO. 19052
 DATE: 6/27/2019
 TRACT NUMBER:

SURROUNDING PROPERTY EXHIBIT
 for
 Harvest Square
 2201 Silvernail Road
 City of Waukesha, Waukesha County, Wisconsin

Site Engineering Services
 2220 Oakwood Road
 Hartland, WI 53029
 (920) 884-8500
 north@weseng.com
 www.weseng.com
 Chris D. Warden, PE
 Civil Engineer/Consultant

PROJECT TEAM	ISSUE	DESCRIPTION	DATE
PROJECT ENGINEER: CHRIS D. WARDEN, PE			
PROJECT MANAGER: CHRIS D. WARDEN, PE			
DESIGNER: CHRIS D. WARDEN, PE			
CAD: TONKINIAN, LSH			
CLIENT: HARVEST SQUARE			
MODIFIED: PHOENIX SKANSKY			6/17/2019

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DIGESTERS HOTLINE
 Toll Free (800) 245-5111
 Waukesha, WI 53091
 Harvest Square (720) 660-2289
 www.digesterhotline.com