

VILLAGE OF VERNON HILLS

ORDINANCE NO. 2014-029

AN ORDINANCE GRANTING CERTAIN APPROVALS FOR PROPERTY COMMONLY KNOWN AS 33 ACRES OF THE GREGG'S LANDING NORTH COMMERCIAL PARCEL LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF MILWAUKEE AVENUE AND GREGG'S PARKWAY, IN THE VILLAGE OF VERNON HILLS, LAKE COUNTY, ILLINOIS

THE 22nd DAY OF JULY 2014

Published in pamphlet form by the Authority of the President and Board of Trustees of the Village of Vernon Hills, Lake County, Illinois, this 23rd Day of July, 2014

AFFIDAVIT OF SERVICE

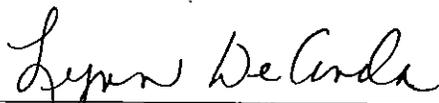
STATE OF ILLINOIS     )  
  )  
COUNTY OF LAKE     )

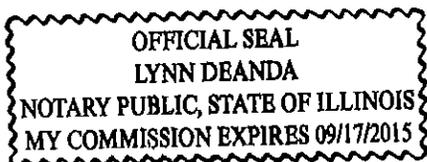
I, JOHN M. KALMAR, BEING FIRST DULY APPOINTED, DEPOSES AND SAYS ON OATH THAT AS VILLAGE CLERK OF THE VILLAGE OF VERNON HILLS, HE DID CAUSE THE FOREGOING CERTIFICATE FOR ORDINANCE NO. 2014-029 AN ORDINANCE GRANTING CERTAIN APPROVALS FOR PROPERTY COMMONLY KNOWN AS 33 ACRES OF THE GREGG'S LANDING NORTH COMMERCIAL PARCEL LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF MILWAUKEE AVENUE AND GREGG'S PARKWAY, IN THE VILLAGE OF VERNON HILLS, LAKE COUNTY, ILLINOIS TO BE POSTED IN THE VILLAGE HALL AS REQUIRED BY LAW FROM JULY 23, 2014 TO AUGUST 5, 2014.



\_\_\_\_\_  
JOHN M. KALMAR, VILLAGE CLERK

SUBSCRIBED AND SWORN TO BEFORE  
THIS 23RD DAY OF JULY 2014

  
\_\_\_\_\_  
Notary Public





**ORDINANCE NO. 2014-029**

**AN ORDINANCE GRANTING CERTAIN APPROVALS FOR PROPERTY COMMONLY KNOWN AS 33 ACRES OF THE GREGG'S LANDING NORTH COMMERCIAL PARCEL LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF MILWAUKEE AVENUE AND GREGG'S PARKWAY, IN THE VILLAGE OF VERNON HILLS, LAKE COUNTY, ILLINOIS**

WHEREAS, the property commonly known as the 33 acres of the Gregg's Landing North Commercial parcel located at the northwest corner of the intersection of Milwaukee Avenue and Gregg's Parkway ("Property") was annexed to the Village of Vernon Hills as part of the much larger 1,174 acre annexation in November of 1998; and

WHEREAS, the Property was located in an area commonly known as the Cuneo North Commercial properties; and

WHEREAS, the zoning provisions, including bulk zoning regulations, that control the zoning of the Cuneo North Commercial properties are contained in Exhibit F to the original Annexation Agreement for the 1,174 acre annexation; and

WHEREAS, although the Annexation Agreement for the Property has expired, the Village continues to enforce those zoning regulations as the zoning provisions regulating all the properties annexed in 1998; and

WHEREAS, the procedural provisions contained in the Village Zoning Ordinance are the procedural regulations applicable to the Property as the exhibit in the Annexation Agreement does not contain any procedural provisions; and

WHEREAS, this Ordinance generally applies to the entire 33 acre Property located north of Gregg's Parkway that is the subject of the Plat of Subdivision; and

WHEREAS, this Ordinance also specifically applies to the project proposed by Menard on Lot 1 of the Property; and

WHEREAS, Tom O'Neil, of Menard, Inc. ("Menard"), in regard to Property legally described in Exhibit A, has petitioned the Village of Vernon Hills for approval of the following:

1. Approval of a Special Use Permit for a Planned Unit Development to allow a development consisting of four lots.
2. Preliminary and final site/improvement approval for Planned Unit Development and Lot 1, subject to conditions set forth below.
3. Preliminary and final approval of the Plat of Subdivision for Menard at Gregg's Landing.

4. Preliminary and final approval of the Landscaping Plans, subject to conditions set forth below.
5. Preliminary and final approval of the architectural elevations for Lot 1, subject to the conditions set forth below.
6. Preliminary and final approval of the Site Lighting Plan, subject to the conditions set forth below.
7. Final approval of the Building and Site Signage Plans, subject to the conditions set forth below.

WHEREAS, Menard requested the following variations as a part of the petition:

- a. To allow a reduction in the number of parking spaces on Lot 1 (Menard) from 899 spaces to 382 spaces.
- b. To allow two, multi-tenant, ground mounted monument signs, having four tenant panels, to exceed the maximum of 50 square feet in size and exceed the maximum height of 8 feet. Specifically, the Milwaukee Avenue sign will be 21 feet in height and 110 square feet per side and the Gregg's Parkway sign will be approximately 12.5 feet in height and 84 square feet per side.
- c. To allow the 3 directional signs at the Lumber Yard entrance to be larger than 3 square feet but not to exceed a cumulative total of 36 square feet.
- d. To allow 2 wall mounted signs on the Menard Building in lieu of the maximum of 1.
- e. To allow the cumulative total of the wall mounted signs to be greater than 3% of the front elevation building face, but not to exceed a total of 600 square feet.
- f. To allow a reduction in off-street loading spaces from 6 to 3.

WHEREAS, the development shall be in substantial conformance with the following plans, subject to the condition at the end of the list of plans:

- Proposed Site Plan prepared by Menard with a latest revision date of June 27, 2014 consisting of 3 pages.
- Final Plat of Gregg's Landing North Subdivision prepared by V3 with the latest revision date of July 15, 2014 consisting of 2 pages.
- Revised Engineering Improvement Plans prepared by V3 with a latest revision date of May 12, 2014 consisting of 27 pages.
- Signage Plans prepared by Menard with the latest revision date of May 9, 2014 consisting of 1 page.
- Landscaping Plans prepared by Manhard Consulting, Ltd. with the latest revision date of June 27, 2014 consisting of 6 pages.
- Cross Sections Location exhibit prepared by V3 with the latest revision date June 27, 2014 consisting of 6 pages.
- Revised Photometric Plans and cutsheets prepared by Menard, Inc., with the latest revision date of June 25, 2014 consisting of 9 pages.
- Architectural Plans – Detailed plans for Menard – Detailed Elevations and color perspective 3D drawings prepared by Bowers+Associates with the latest revision date of July 16, 2014 consisting of 16 pages.

Condition. Menard acknowledges that the above referenced plans might not all be internally consistent with each other and some changes were required to be made that Menard and its consultants were not able to

make prior to the Village Board of Trustee's consideration of this Ordinance. Menard also acknowledges that Menard requested that the Village consider adoption of this Ordinance prior to the time that all the development plans could be properly revised so that all the plans reflect the approvals being granted by the Village. As a result, Menard acknowledges and agrees that it will provide to the Village a full set of the above plans such that they will all be internally consistent and properly reflect the approvals granted by the Village in this Ordinance before building application will be accepted by the Village for review.

WHEREAS, upon due notice and after public hearing held May 28, 2014 and July 9, 2014 and continued from time to time by the Planning and Zoning Commission of the Village of Vernon Hills, and pursuant to the Vernon Hills Zoning Ordinance of 1982, as amended, said Planning and Zoning Commission has filed its report concerning said petition as listed above; and

WHEREAS, it has been determined that the granting of approval of the Planned Unit Development will have no serious and depreciating effect upon the value of surrounding property and will have no adverse effect upon the character of the neighborhood, public utility facilities or other matters pertaining to the public health, public safety and general welfare; and

WHEREAS, it has been further determined that construction of the improvements on Lot 1, being the Menard Home Improvement Store, specifically comply with the type and nature of permitted uses applicable to the Property, Menard being found to be a Retail Commercial Use as defined therein; and

WHEREAS, as a part of the site improvement plans, the owners of Lot 1 shall be responsible for or will cause the installation, maintenance, repair and replacement of the storm sewer lines on Lot 1 up to the western property line of the Project Property, being Lot 1; and

WHEREAS, based upon the evidence adduced at said hearings and in their application, the petitioner has entered into the record evidence and findings of fact that addresses the conditions in Sections 18.3 and 21.7 of the Zoning Ordinance.

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF VERNON HILLS, COUNTY OF LAKE AND STATE OF ILLINOIS:

SECTION I. Pursuant to the Vernon Hills Zoning Ordinance of 1982, as amended, and the uses otherwise permitted on the Property, the special use permit to allow the Planned Unit Development to allow a development consisting of four lots and for Menard on Lot 1, along with the certain variations, as listed herein, is hereby granted. Said parcel is legally described in Exhibit A. The approval is subject to the conditions listed below in Section VIII. Additionally, the Special Use Permit is subject to the terms and conditions as set forth in the Development Permit attached in Exhibit C.

SECTION II. Pursuant to the Vernon Hills Zoning Ordinance of 1982, the special use permit to allow Menard is hereby granted. The approval is subject to the conditions listed below in Section VIII. Additionally, the Special Use Permit is subject to the terms and conditions as set forth in the Development Permit attached in Exhibit C.

SECTION III. Pursuant to the Vernon Hills Zoning Ordinance of 1982, preliminary and final site plan and landscaping plan approval for the entire site, as set forth in Exhibit B, are hereby granted subject to the conditions listed below in Section VIII.

SECTION IV. Pursuant to the Vernon Hills Zoning Ordinance of 1982, the preliminary and final approvals of the architectural elevations, as set forth in Exhibit B, are hereby granted subject to the conditions listed below in Section VIII.

SECTION V. Pursuant to the Vernon Hills Zoning Ordinance of 1982, the preliminary and final plats of subdivision for Gregg's Landing North Subdivision, as set forth in Exhibit B, are hereby granted subject to the conditions listed below in Section VIII.

SECTION VI. Pursuant to the Vernon Hills Zoning Ordinance of 1982, the preliminary and final site improvement plans, as set forth in Exhibit B, are hereby approved subject to the conditions listed below in Section VIII.

SECTION VII. Pursuant to the Vernon Hills Zoning Ordinance of 1982, the Development Permit (Exhibit C) for the entire site is hereby approved subject to the conditions listed below in Section VIII.

SECTION VIII. Pursuant to the Vernon Hills Zoning Ordinance of 1982, as amended, and the recommendations of the Planning and Zoning Commission, the terms and conditions as set forth in Exhibit C are hereby approved and are made a part of the approvals as listed in the Sections above. Said conditions will be made a part of the Development Permit.

SECTION IX. By this Ordinance, the Village is hereby assigning any and all of its rights as set forth on the Plat, in relation to establishing and utilizing storm water facilities, and for subsequent maintenance thereof to the Developer and owners of Lot 1 hereto, and to their successors and assigns.

SECTION X. SEVERABILITY. In the event that any section, clause, provision, or part of this ordinance shall be found and determined to be invalid by a court of competent jurisdiction, all valid parts that are severable from the invalid parts shall remain in full force and effect. If any part of this ordinance is found to be invalid in any one or more of its several applications, all valid applications that are severable from the invalid applications shall remain in effect.

SECTION XI. REPEAL AND SAVINGS CLAUSE. All ordinances or parts of ordinances in conflict herewith are hereby repealed; provided, however, that nothing

herein contained shall affect any rights, actions or causes of action which shall have accrued to the Village of Vernon Hills prior to the effective date of this ordinance.

SECTION XII. SUCCESSORS AND ASSIGNS. All of the provisions of this Ordinance and the attachments hereto are binding on all successors and assigns of Menard, Inc.

SECTION XIII. EFFECTIVE DATE. This ordinance shall be in full force and effect from and after its passage, approval and publication as provided by law.

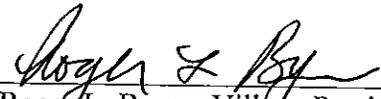
SECTION XIV. ORDINANCE NUMBER. This ordinance shall be known as Ordinance Number 2014-029.

Adopted by roll call vote as follows:

AYES: 5 – Koch, Williams, Schwartz, Hebda, Marquardt

NAYS: 0 - None

ABSENT AND NOT VOTING: 1 - Schultz

  
Roger L. Byrne, Village President

PASSED: July 22, 2014

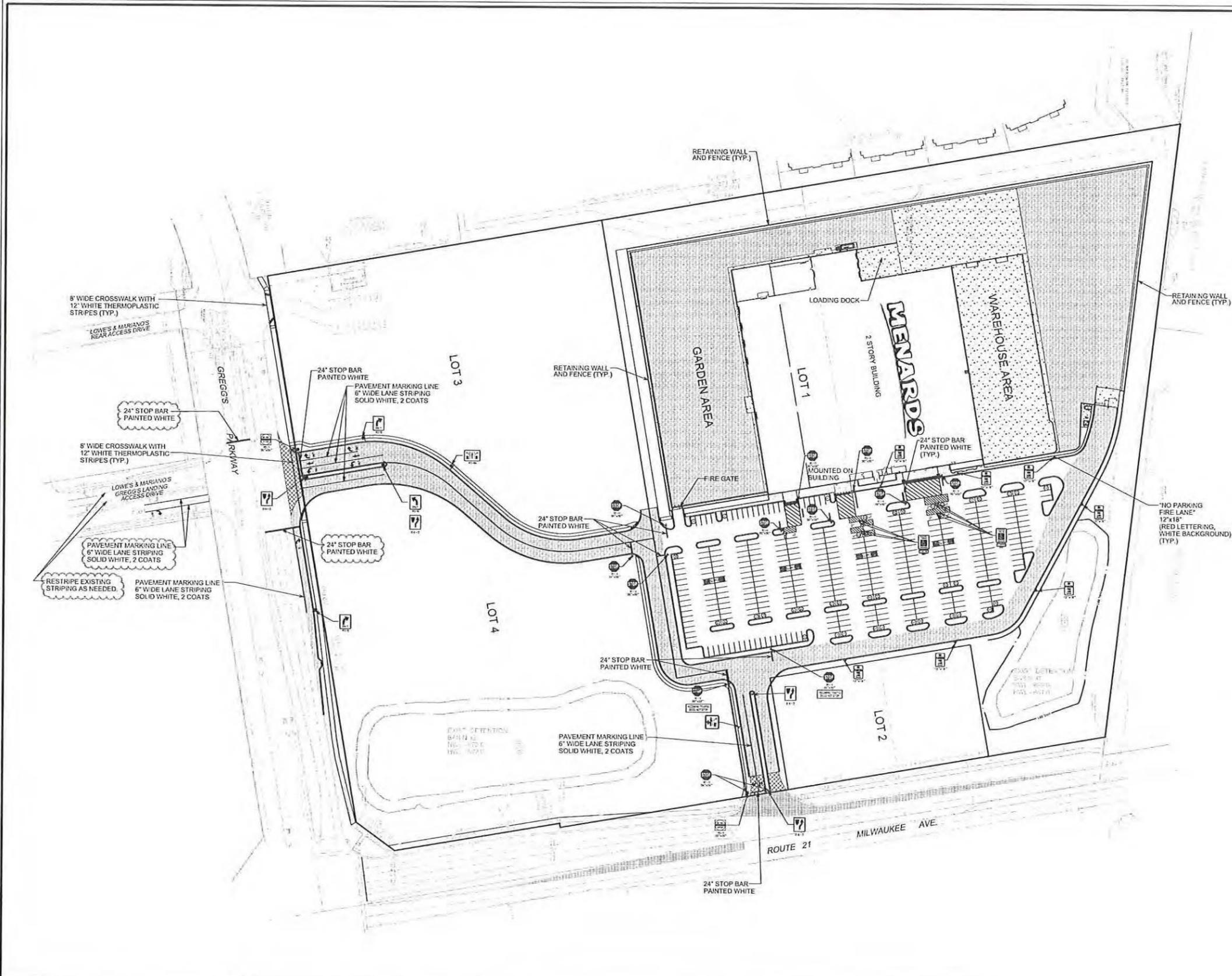
APPROVED: July 22, 2014

PUBLISHED IN PAMPHLET FORM: July 23, 2014

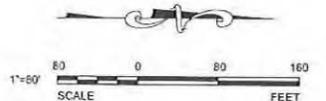
ATTEST:

  
John Kalma, Village Clerk





- NOTES:**
1. SEE SHEET C3.1 AND C3.2 FOR PAVEMENT LEGEND AND LAYOUT DETAILS.
  2. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED YELLOW UNLESS OTHERWISE NOTED.
  3. ALL PROPOSED OFF-SITE STRIPING SHALL BE THERMOPLASTIC.



**V3 Companies**  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	05-12-14	PER VERNON HILLS			
2	06-27-14	PER VERNON HILLS			

PROJECT NO.: 10068.MNRD  
 FILE NAME: C3.0 Lay  
 ORIGINAL ISSUE DATE: 03-14-14  
 SCALE: 1"=80'

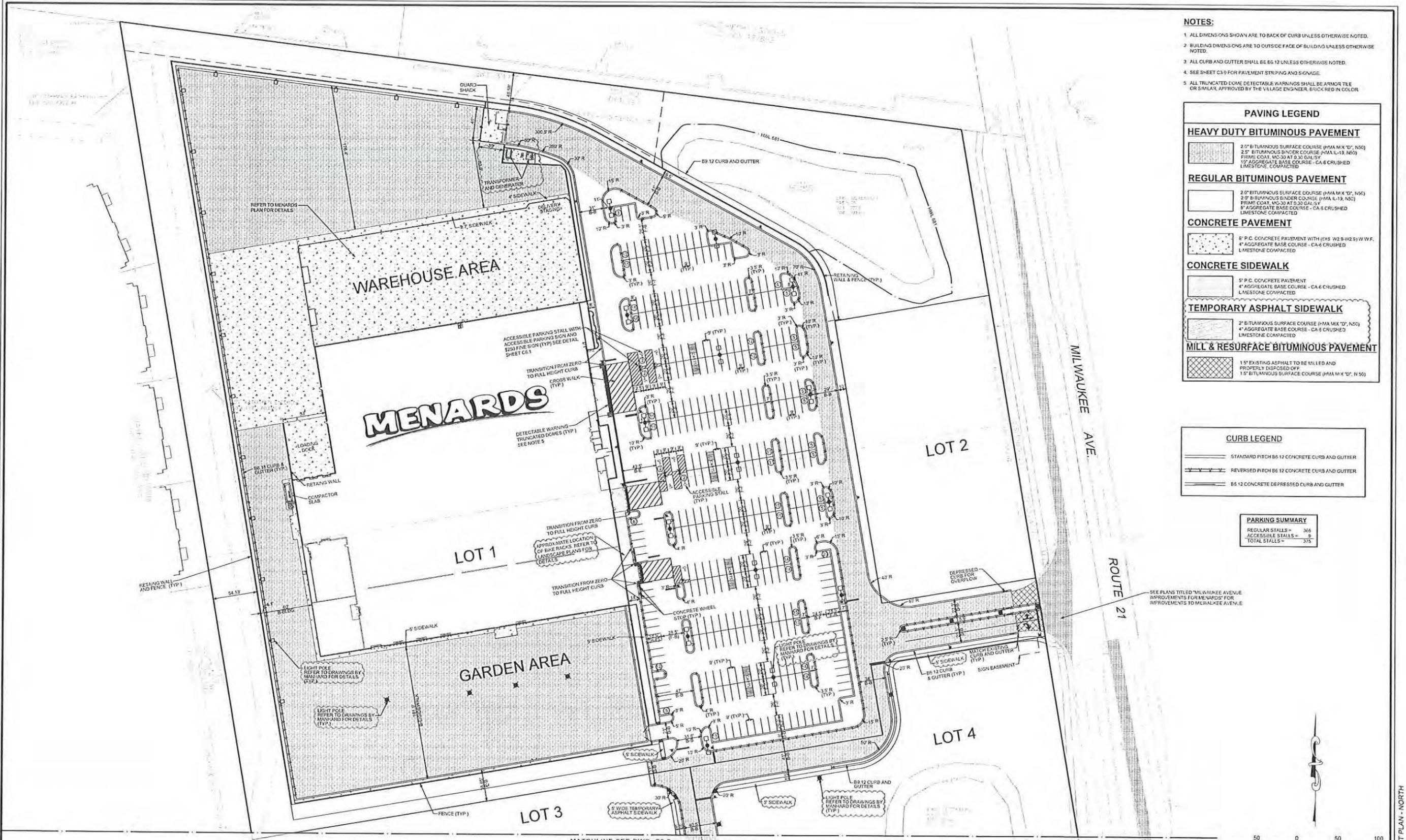
DESIGNED BY: RMW  
 DRAWN BY: NRS  
 CHECKED BY: JRB  
 PROJECT MANAGER: JRB

**MENARDS**  
 1860 N. MILWAUKEE AVE.  
 ILLINOIS

**OVERALL LAYOUT AND SIGNAGE PLAN**

DRAWING NO. **C3.0**

10068.MNRD - OVERALL LAYOUT PLAN



- NOTES:**
1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
  2. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
  3. ALL CURB AND GUTTER SHALL BE B5 12 UNLESS OTHERWISE NOTED.
  4. SEE SHEET C3.0 FOR PAVEMENT STRIPING AND SIGNAGE.
  5. ALL TRUNCATED DOME DETECTABLE WARNINGS SHALL BE ARMOR TILE OR SIMILAR, APPROVED BY THE VILLAGE ENGINEER, BRICK RED IN COLOR.

**PAVING LEGEND**

**HEAVY DUTY BITUMINOUS PAVEMENT**

- 2.0" BITUMINOUS SURFACE COURSE (HMA MIX "D", N50)
- 2.5" BITUMINOUS BINDER COURSE (HMA L-19, N50)
- PRIME COAT, MC-30 AT 0.30 GAL/SY
- 1.0" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**REGULAR BITUMINOUS PAVEMENT**

- 2.0" BITUMINOUS SURFACE COURSE (HMA MIX "D", N50)
- 2.0" BITUMINOUS BINDER COURSE (HMA L-19, N50)
- PRIME COAT, MC-30 AT 0.30 GAL/SY
- 0.75" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**CONCRETE PAVEMENT**

- 6" P.C. CONCRETE PAVEMENT WITH EX. W/2.0" W/2.5" W.W.F.
- 4" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**CONCRETE SIDEWALK**

- 5" P.C. CONCRETE PAVEMENT
- 4" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**TEMPORARY ASPHALT SIDEWALK**

- 2" BITUMINOUS SURFACE COURSE (HMA MIX "D", N50)
- 4" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**MILL & RESURFACE BITUMINOUS PAVEMENT**

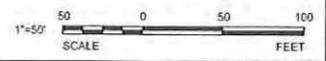
- 1.5" EXISTING ASPHALT TO BE MILLED AND PROPERLY DISPOSED OFF
- 1.5" BITUMINOUS SURFACE COURSE (HMA MIX "D", N50)

**CURB LEGEND**

- STANDARD PITCH B5 12 CONCRETE CURBS AND GUTTER
- REVERSED PITCH B5 12 CONCRETE CURBS AND GUTTER
- B5 12 CONCRETE DEPRESSED CURB AND GUTTER

**PARKING SUMMARY**

REGULAR STALLS =	365
ACCESSIBLE STALLS =	8
TOTAL STALLS =	373



**V3 Companies**  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

**REVISIONS**

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	05-12-14	PER VERNON HILLS			
2	06-27-14	PER VERNON HILLS			

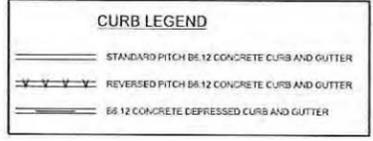
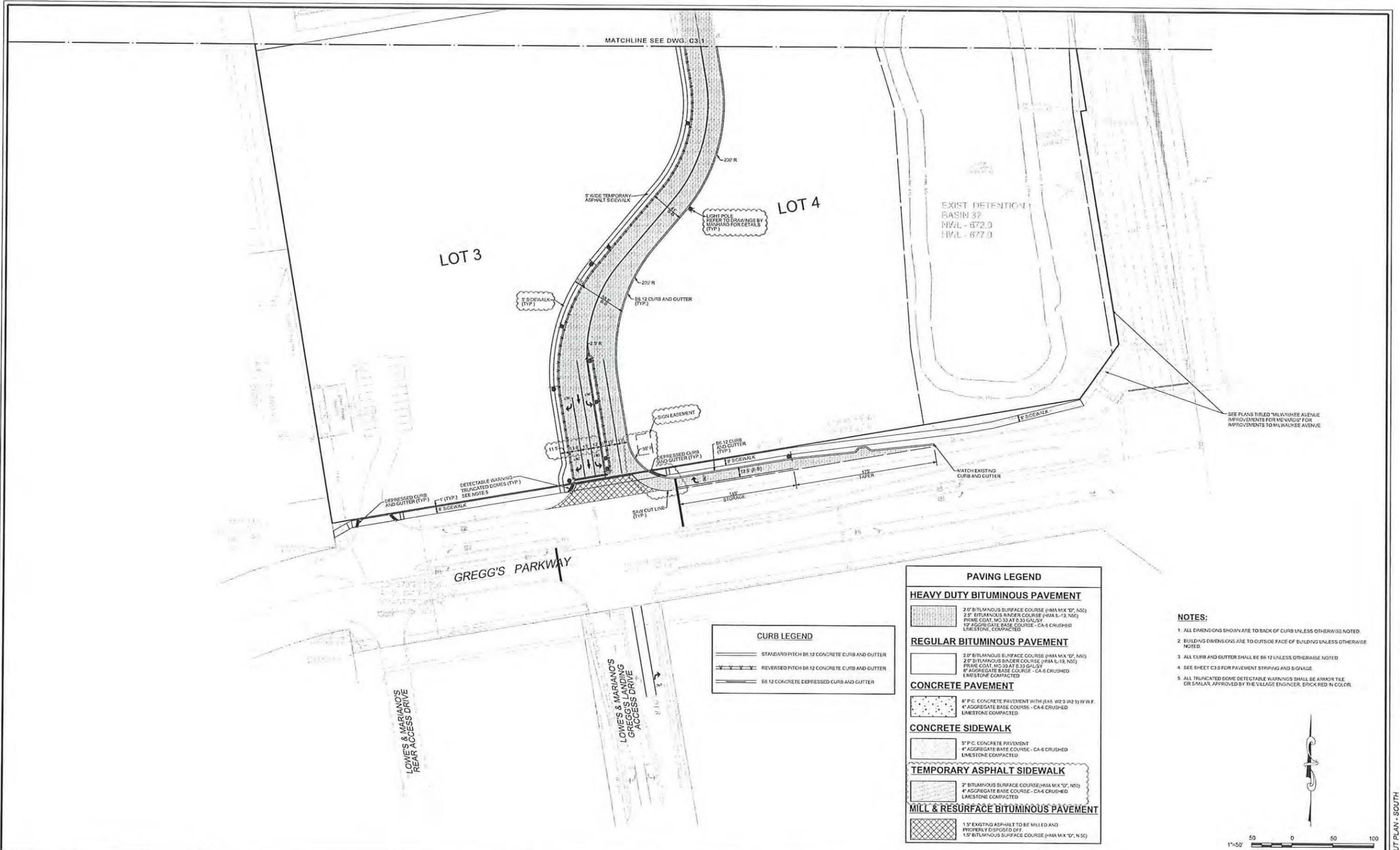
PROJECT NO. 10068.MNRD  
 FILE NAME: C3.1 LAY  
 ORIGINAL ISSUE DATE: 03-14-14  
 SCALE: 1"=50'

DESIGNED BY: RMW  
 DRAWN BY: NRS  
 CHECKED BY: JRB  
 PROJECT MANAGER: JRB

**MENARDS**  
 1860 N. MILWAUKEE AVE.  
 ILLINOIS

LAYOUT PLAN - NORTH

DRAWING NO. **C3.1**



**PAVING LEGEND**

**HEAVY DUTY BITUMINOUS PAVEMENT**

- 2" BITUMINOUS SURFACE COURSE (HMA MIX "D", N50)
- 2" BITUMINOUS BINDER COURSE (HMA L-13, N50)
- PRIME COAT, MC-33 AT 0.33 GAL/SY
- 1" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**REGULAR BITUMINOUS PAVEMENT**

- 2" BITUMINOUS SURFACE COURSE (HMA MIX "D", N50)
- 2" BITUMINOUS BINDER COURSE (HMA L-13, N50)
- PRIME COAT, MC-33 AT 0.33 GAL/SY
- 1" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**CONCRETE PAVEMENT**

- 8" P.C. CONCRETE PAVEMENT WITH (ENS. W/2.5-3.5) W.W.F.
- 4" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**CONCRETE SIDEWALK**

- 5" P.C. CONCRETE PAVEMENT
- 4" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

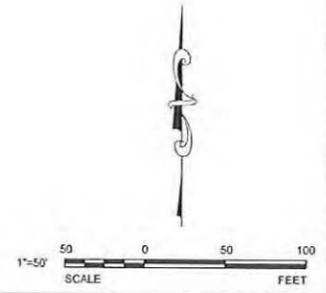
**TEMPORARY ASPHALT SIDEWALK**

- 2" BITUMINOUS SURFACE COURSE (HMA MIX "D", N50)
- 4" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**MILL & RESURFACE BITUMINOUS PAVEMENT**

- 1.5" EXISTING ASPHALT TO BE MILLED AND PROPERLY DISPOSED OFF
- 1.5" BITUMINOUS SURFACE COURSE (HMA MIX "D", N50)

- NOTES:**
1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
  2. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
  3. ALL CURB AND GUTTER SHALL BE 6x12 UNLESS OTHERWISE NOTED.
  4. SEE SHEET C3.0 FOR PAVEMENT STRIPING AND SIGNAGE.
  5. ALL TRUNCATED DOME DETECTABLE WARNING SHALL BE ANKHOR TILE OR SIMILAR APPROVED BY THE VILLAGE ENGINEER, EROCKED IN COLOR.



	V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com		<b>REVISIONS</b>		SEAL:	PROJECT NO.: 10068.MNRD		DESIGNED BY: RMW		<b>MENARDS</b> <b>1860 N. MILWAUKEE AVE.</b>	<b>LAYOUT PLAN - SOUTH</b>	DRAWING NO. <b>C3.2</b>	
	1860 N. MILWAUKEE AVE.		10068.MNRD			DESIGNED BY: RMW		DRAWN BY: NRS					CHECKED BY: JRB
NO. DATE DESCRIPTION		NO. DATE DESCRIPTION		ORIGINAL ISSUE DATE 03-14-14		SCALE: 1"=50'		PROJECT MANAGER: JRB		ILLINOIS		VERNON HILLS	
1 05-12-14 PER VERNON HILLS		2 05-27-14 PER VERNON HILLS		03-14-14		1"=50'		JRB		ILLINOIS		VERNON HILLS	

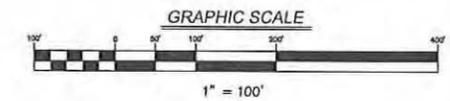
THIS DOCUMENT IS THE PROPERTY OF V3 COMPANIES AND NO PART HEREIN SHALL BE USED EXCEPT FOR THIS SPECIFIC PROJECT WITHOUT THE WRITTEN CONSENT OF V3 COMPANIES.

# FINAL PLAT OF SUBDIVISION OF GREGG'S LANDING NORTH VERNON HILLS, IL.

BEING A SUBDIVISION OF PART OF SECTION 28 AND 33, TOWNSHIP 44 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, VILLAGE OF VERNON HILLS, LAKE COUNTY, ILLINOIS.



VICINITY MAP  
NOT TO SCALE



P.I.N.  
11-28-400-017

### GENERAL NOTES

- 3/4" IRON PIPE WITH PLASTIC CAPS TO BE SET AT ALL LOT CORNERS, POINTS OF CURVATURE AND POINTS OF TANGENCY UPON THE COMPLETION OF MASS GRADING UNLESS OTHERWISE NOTED.
- SIGN EASEMENT AREA, SEE RECIPROCAL EASEMENT AGREEMENT RECORDED BY SEPARATE DOCUMENT.

THIS PLAT HAS BEEN SUBMITTED FOR RECORDING BY AND RETURN TO:  
NAME: **V3 COMPANIES**  
7325 JANES AVE.  
WOODRIDGE, IL 60517

### LOT AREA TABLE

LOT	SQ. FT.	ACRES
LOT 1	776,623	17.8286
LOT 2	65,770	1.5100
LOT 3	264,569	6.0737
LOT 4	327,402	7.5161
TOTAL	1,434,364	32.9284

**ILLINOIS ROUTE 21 ACCESS RESTRICTION**  
THERE SHALL BE NO DIRECT ACCESS TO ILLINOIS ROUTE 21 (MILWAUKEE AVENUE) FROM LOTS 2, 3 OR 4 OF THIS SUBDIVISION. THE EXISTING ACCESS TO ILLINOIS ROUTE 21 FROM LOT 1 SHALL REMAIN.

### LEGEND

	SECTION CORNER		FOUND DISK IN CONCRETE
	QUARTER SECTION CORNER		FOUND BRASS DISC
	PROPERTY LINE		FOUND IRON MARKER
	EXISTING RIGHT-OF-WAY LINE		FOUND IRON ROD
	PROPOSED RIGHT-OF-WAY LINE		FOUND RAILROAD SPIKE
	EXISTING LOT LINE		FOUND IRON NAIL
	PROPOSED LOT LINE		FOUND WOOD NAIL
	E. & P. CENTERLINE		FOUND OUT CROSS
	EXISTING EASEMENT LINE		FOUND IRON PIPE
	PROPOSED EASEMENT LINE		FOUND IRON BAR
	E. & P. BUILDING SETBACK LINE		SET TRANSVERSE POINT
	SECTION LINE		SET IRON NAIL
			SET WOOD NAIL
			SET IRON PIPE
			SET CONC. MON. WITH BRASS DISC
			SET CONC. MON. WITH IRON PIPE

### ABBREVIATIONS

N	NORTH	PC	POINT OF CURVATURE
S	SOUTH	PCC	POINT OF COMPOUND CURVATURE
E	EAST	PRC	POINT OF REVERSE CURVATURE
W	WEST	PT	POINT OF TANGENCY
DB	DIPED BEARING	REC	RECORD DATUM
A	ARC LENGTH	MEAS.	MEASURED DATUM
R	RADIUS	CALC.	CALCULATED DATUM
U.E.	UTILITY EASEMENT	CRCD	CREATION TAKEN FROM DEED
P.U.E.	PUBLIC UTILITY EASEMENT	EXTE	EXCEPTION TO BLANKET EASEMENT
D.E.	DRAINAGE EASEMENT	M.U.E.	MUNICIPAL UTILITY EASEMENT
R.E.	ROADWAY EASEMENT	IE	IMPASS & EXPRESS EASEMENT
EX	EXISTING		
PRO.	PROPOSED		



**V**  
Engineers  
Scientists  
Surveyors

7325 Janes Avenue, Suite 100  
Woodridge, IL 60517  
630.724.9200 voice  
630.724.0384 fax  
v3co.com

PREPARED FOR:  
**MENARD, INC.**  
5101 MENARD DRIVE  
EAU CLAIRE, WI 54703-9625  
715-876-5911

REVISIONS			REVISIONS		
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1.	5/12/2014	REVISED EASEMENT LOCATIONS, ADDED SETBACKS			
2.	6/27/2014	REVISED PER VILLAGE COMMENTS			
3.	7/15/2014	REVISED LOT LINES			

**FINAL PLAT OF SUBDIVISION**  
GREGG'S LANDING NORTH, VERNON HILLS, IL.

DRAFTING COMPLETED: 02/28/14    DRAWN BY: EJM    PROJECT MANAGER: AJUS  
FIELD WORK COMPLETED:                      CHECKED BY: AJUS                      SCALE: 1" = 100'

Project No: 10068.MNRD  
Group No: VP04.1  
SHEET NO. 1 of 2

# FINAL PLAT OF SUBDIVISION OF GREGG'S LANDING NORTH VERNON HILLS, IL.

**OWNER'S CERTIFICATE**

STATE OF ILLINOIS }  
COUNTY OF \_\_\_\_\_ } SS

THIS IS TO CERTIFY THAT \_\_\_\_\_ IS THE LEGAL OWNER OF THE LAND DESCRIBED ON THE ANNEXED PLAT, AND THAT HE HAS CAUSED THE SAME TO BE SURVEYED AND SUBDIVIDED AS INDICATED THEREON, FOR THE USES AND PURPOSES THEREIN SET FORTH, AND DOES HEREBY ACKNOWLEDGE AND ADOPT THE SAME UNDER THE STYLE AND TITLE THEREON INDICATED.

DATE THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

OWNER \_\_\_\_\_  
NOTARY PUBLIC CERTIFICATE

STATE OF ILLINOIS }  
COUNTY OF \_\_\_\_\_ } SS

I, \_\_\_\_\_ A NOTARY PUBLIC IN AND FOR SAID COUNTY, IN THE STATE AFORESAID, DO HEREBY CERTIFY THAT \_\_\_\_\_ PERSONALLY KNOWN TO ME TO BE THE SAME PERSONS WHOSE NAMES ARE SUBSCRIBED TO THE FOREGOING INSTRUMENT AS OWNERS, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT THEY SIGNED AND DELIVERED THE ANNEXED PLAT AS THEIR OWN FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES THEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTORIAL SEAL THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ A.D. 20\_\_\_\_

NOTARY PUBLIC \_\_\_\_\_  
MY COMMISSION EXPIRES: \_\_\_\_\_

**VILLAGE ENGINEER'S CERTIFICATE**

STATE OF ILLINOIS }  
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT I, \_\_\_\_\_ THE VILLAGE ENGINEER FOR THE VILLAGE OF VERNON HILLS, ILLINOIS, HAVE REVIEWED AND APPROVED THIS PLAT.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

VILLAGE ENGINEER \_\_\_\_\_

**PLANNING AND ZONING COMMISSION CERTIFICATE**

STATE OF ILLINOIS }  
COUNTY OF LAKE } SS

APPROVED BY THE PLANNING AND ZONING COMMISSION OF THE VILLAGE OF VERNON HILLS, LAKE COUNTY, ILLINOIS AT A MEETING.

HELD THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

SIGNED \_\_\_\_\_ CHAIRMAN ATTEST \_\_\_\_\_ SECRETARY

**COUNTY CLERK CERTIFICATE**

STATE OF ILLINOIS }  
COUNTY OF LAKE } SS

I, \_\_\_\_\_ COUNTY CLERK OF LAKE COUNTY, ILLINOIS, DO HEREBY CERTIFY THAT THERE ARE NO DELINQUENT GENERAL TAXES, NO UNPAID FORFEITED TAXES AND NO REDEEMABLE TAX SALES AGAINST ANY OF THE LAND INCLUDED IN THE ANNEXED PLAT.

I FURTHER CERTIFY THAT I HAVE RECEIVED ALL STATUTORY FEES IN CONNECTION WITH THE ANNEXED PLAT, GIVEN UNDER MY HAND AND SEAL OF THE COUNTY CLERK.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

(SEAL) \_\_\_\_\_  
COUNTY CLERK

**VILLAGE BOARD CERTIFICATE:**

STATE OF ILLINOIS }  
COUNTY OF LAKE } SS

APPROVED BY THE VILLAGE PRESIDENT AND THE VILLAGE BOARD OF TRUSTEES OF THE VILLAGE OF VERNON HILLS, LAKE COUNTY, ILLINOIS, THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

PRESIDENT \_\_\_\_\_

ATTEST: \_\_\_\_\_  
VILLAGE CLERK

**VILLAGE TREASURER CERTIFICATE:**

STATE OF ILLINOIS }  
COUNTY OF LAKE } SS

I, TREASURER FOR THE VILLAGE OF VERNON HILLS, DO HEREBY CERTIFY THAT THERE ARE NO DELINQUENT OR UNPAID CURRENT OR FORFEITED SPECIAL ASSESSMENTS OR ANY DEFERRED INSTALLMENTS THEREOF THAT HAVE BEEN APPORTIONED AGAINST THE TRACT OF LAND INCLUDED IN THE ANNEXED PLAT.

DATED AT VERNON HILLS, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

VILLAGE TREASURER \_\_\_\_\_

**STORMWATER MANAGEMENT & DRAINAGE EASEMENT PROVISIONS**

OWNER, ON BEHALF OF ITSELF AND ALL FUTURE HOLDERS OF TITLE TO THE PROPERTY WHICH IS THE SUBJECT OF THIS PLAT (COLLECTIVELY, THE "OWNER"), HEREBY COVENANTS AND AGREES WITH THE VILLAGE OF VERNON HILLS (THE "VILLAGE") AS FOLLOWS.

OWNER SHALL MAINTAIN, OPERATE AND REPAIR THE PORTIONS OF THE PROPERTY IDENTIFIED ON THIS PLAT AS THE "STORM WATER MANAGEMENT AND DRAINAGE AREAS" AT ALL TIMES IN A MANNER CONSISTENT WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE VILLAGE. THE OWNER GRANTS TO THE VILLAGE AND ITS DESIGNEES THE RIGHT OF ACCESS UPON, OVER AND ACROSS THE PROPERTY TO INSPECT THE STORM WATER MANAGEMENT AND DRAINAGE EASEMENT AREAS, AND TO PERFORM ANY MAINTENANCE OF SAID AREAS WHICH THE OWNER HAS FAILED TO PERFORM. IF SUCH FAILURE CONTINUES FOR THIRTY (30) DAYS AFTER WRITTEN NOTICE FROM THE VILLAGE OF SUCH FAILURE, THE VILLAGE MAY ENTER UPON THE PROPERTY AND PERFORM SUCH WORK AS SHOULD HAVE BEEN UNDERTAKEN BY OWNER WITHOUT NOTICE TO OWNER IN AN EMERGENCY (E.G., WHERE PERSONAL INJURY OR MATERIAL DAMAGE TO PROPERTY MAY BE IMMINENT). THE OWNER SHALL BE LIABLE FOR THE COST OF ANY MAINTENANCE SO PERFORMED BY THE VILLAGE AND SHALL PROMPTLY REIMBURSE THE VILLAGE FOR SUCH COSTS, WITH INTEREST AT STATUTORY PRE-JUDGMENT RATE CALCULATED FROM THE DATE OF EXPENDITURE. UPON RECORDATION BY THE VILLAGE OF A NOTICE OF CLAIM FOR REIMBURSEMENT, THE VILLAGE SHALL HAVE A FORECLOSABLE LIEN UPON THE PROPERTY TO SECURE REIMBURSEMENT. SUCH LIEN SHALL HAVE A PRIORITY AS OF THE DATE OF RECORDATION OF THE NOTICE OF CLAIM.

IN ADDITION TO OTHER REMEDIES PROVIDED FOR ABOVE, UPON OWNER'S FAILURE TO MAINTAIN THE STORM WATER MANAGEMENT AND DRAINAGE EASEMENT AREAS (AFTER NOTICE WHERE REQUIRED AS AFORESAID), THE VILLAGE SHALL BE ENTITLED TO ALL REMEDIES AT LAW OR EQUITY TO ENFORCE THIS AGREEMENT, INCLUDING ALL REMEDIES FOR THE ABATEMENT OF A NUISANCE, WHICH REMEDIES SHALL BE CUMULATIVE AND NOT EXCLUSIVE. IF A JUDGMENT IS ENTERED AGAINST THE OWNER, THE OWNER SHALL PAY ALL REASONABLE ATTORNEYS' FEES AND COSTS OF THE VILLAGE.

**SIDEWALK EASEMENT PROVISIONS**

ALL EASEMENTS INDICATED AS SIDEWALK EASEMENT ON THIS PLAT ARE RESERVED FOR AND GRANTED TO THE VILLAGE OF VERNON HILLS FOR SIDEWALKS, FOR THE PERPETUAL RIGHT, PRIVILEGE AND AUTHORITY TO CONSTRUCT, RECONSTRUCT, REPAIR, INSPECT, MAINTAIN AND OPERATE "THE SIDEWALK" TOGETHER WITH ANY AND ALL NECESSARY APPURTENANCES AS MAY BE DEEMED NECESSARY BY SAID VILLAGE OF VERNON HILLS, UPON, ALONG, UNDER AND THROUGH SAID INDICATED EASEMENT, TOGETHER WITH RIGHT OF ACCESS ACROSS THE PROPERTY FOR NECESSARY MEN AND EQUIPMENT TO DO ANY OF THE ABOVE WORK. THE RIGHT IS ALSO GRANTED TO CUT DOWN, TRIM OR REMOVE ANY TREES, SHRUBS OR OTHER PLANTS ON THE EASEMENT THAT INTERFERE WITH THE OPERATION OF THE "SIDEWALK". THE GRANTEE OR GRANTEE'S PERFORMING OR CAUSING TO BE PERFORMED ANY OF SAID WORK SHALL REASONABLY RESTORE SUCH AREAS TO THE GENERAL CONDITION THEY EXISTED PRIOR TO THE WORK. NO PERMANENT BUILDINGS SHALL BE PLACED ON SAID EASEMENTS, BUT SAME MAY BE USED FOR GARDENS, SHRUBS, LANDSCAPING AND OTHER PURPOSES THAT DO NOT THEN OR LATER INTERFERE WITH THE AFORESAID USES OR RIGHTS. ELEVATIONS OR GRADES SHALL NOT BE CHANGED WITHIN THE EASEMENT PREMISES WITHOUT THE WRITTEN APPROVAL OF THE VILLAGE OF VERNON HILLS.

**SURFACE WATER DRAINAGE STATEMENT**

STATE OF ILLINOIS }  
COUNTY OF DUPAGE } SS

TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF ANY LOT IN THIS SUBDIVISION OR ANY PART THEREOF, OR, THAT IF SUCH SURFACE WATER DRAINAGE WILL BE CHANGED, REASONABLE PROVISION HAS BEEN MADE FOR COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREAS, OR DRAINS WHICH THE UNDERSIGNED HAS A RIGHT TO USE AND THAT SUCH SURFACE WATERS WILL BE PLANNED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGE TO THE ADJOINING PROPERTY BECAUSE OF THE CONSTRUCTION OF THE SUBDIVISION.

DATE THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

OWNER \_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS \_\_\_\_\_

**ILLINOIS DEPARTMENT OF TRANSPORTATION:**

THIS PLAT HAS BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION WITH RESPECT TO ROADWAY ACCESS PURSUANT TO SECTION 2 OF "AN ACT TO REVISE THE LAW IN RELATION TO PLATS" AS AMENDED. A PLAN THAT MEETS THE REQUIREMENTS CONTAINED IN THE DEPARTMENT'S "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS" WILL BE REQUIRED BY THE DEPARTMENT.

JOHN FORTMANN, P.E.  
ACTING DEPUTY DIRECTOR OF HIGHWAYS  
REGION ONE ENGINEER

**PUBLIC UTILITY EASEMENT PROVISIONS**

A PERMANENT, NON-EXCLUSIVE EASEMENT IS HEREBY RESERVED FOR AND GRANTED TO THE VILLAGE OF VERNON HILLS AND LAKE COUNTY PUBLIC WORKS ("LCPW") AND THEIR RESPECTIVE SUCCESSORS AND ASSIGNS, JOINTLY AND SEVERALLY, TO INSTALL, RENEW, EXTEND, OPERATE, MAINTAIN AND REMOVE, FROM TIME TO TIME, FACILITIES USED IN CONNECTION WITH THE UNDERGROUND TRANSMISSION, DISTRIBUTION AND/OR COLLECTION OF SANITARY SEWER AND WATER SERVICE. THIS EASEMENT SHALL EXTEND IN, UNDER, ACROSS, ALONG AND UPON THE SURFACE OF THE PROPERTY SHOWN AND LABELED "PUBLIC UTILITY EASEMENT" ("PUE") FOR PUBLIC UTILITIES.

THIS EASEMENT SHALL GRANT THE RIGHT OF UNOBSTRUCTED ACCESS FOR INGRESS AND EGRESS TO PUE EASEMENTS ON THIS PLAT, THE RIGHT TO CUT, TRIM OR REMOVE PAVEMENTS, TREES, BUSHES AND ROOTS AS MAY BE REASONABLY REQUIRED INCIDENT TO THE RIGHT HERIN GIVEN, AND THE RIGHT TO ENTER UPON THE SUBDIVIDED PROPERTY FOR ALL THESE PURPOSES.

NO PERMANENT STRUCTURES, UTILITIES OR OTHER OBSTRUCTIONS SHALL BE PLACED OVER GRANTEE'S FACILITIES OR IN, UPON OR OVER EASEMENT, EXCEPT THAT THE MENARDS FENCE AND FENCE FOUNDATIONS SHALL BE ALLOWED TO CROSS THE EASEMENT AT A 90 DEGREE ANGLE.

THE LOCATION OF THE FACILITIES BY GRANTEE'S SHALL NOT CONFLICT OR INTERFERE WITH OTHER PREVIOUSLY INSTALLED PUBLIC IMPROVEMENTS AND ANY CONFLICTS IN SUBSEQUENT USE SHALL BE SUBJECT TO FORMAL RESOLUTION AND APPROVAL BY LCPW.

IN THE EVENT THE GRANTEE ENTERS UPON ANY EASEMENT FOR PURPOSES HEREIN STATED, SAID GRANTEE SHALL BE RESPONSIBLE ONLY FOR RESTORING THE GRADE OF THE PROPERTY, ANY REMOVED PAVEMENTS AND REESTABLISHING GRASS IN AFFECTED GRASSY AREAS.

**SURVEYORS AUTHORIZATION CERTIFICATE**

I, ANTHONY J. STRICKLAND, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3437, DO HEREBY AUTHORIZE THE VILLAGE OF VERNON HILLS, OR THEIR AGENT TO FILE WITH THE LAKE COUNTY RECORDER'S OFFICE THE FINAL PLAT OF SUBDIVISION KNOWN AS FINAL PLAT OF MENARDS AT GREGG'S LANDING, BEING A RESUBDIVISION OF PART OF SECTION 28 AND 33, TOWNSHIP 44 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN DUPAGE COUNTY, ILLINOIS.



ANTHONY J. STRICKLAND LAND SURVEYOR NO. 35-3437  
V3 COMPANIES OF ILLINOIS, LTD.

**SURVEYOR'S CERTIFICATE**

STATE OF ILLINOIS }  
COUNTY OF DUPAGE } SS

THIS CERTIFIES THAT I, ANTHONY J. STRICKLAND, AN ILLINOIS REGISTERED LAND SURVEYOR, HAVE SURVEYED, SUBDIVIDED AND PLATTED THE FOLLOWING DESCRIBED PROPERTY:

THAT PART OF SECTION 28, TOWNSHIP 44 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF LOT D IN GREGG'S LANDING NORTH, BEING A SUBDIVISION OF PARTS OF SECTIONS 28, 29, 32 AND 33, TOWNSHIP 44 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MARCH 31, 1997 AS DOCUMENT NUMBER 3950268; THENCE SOUTH 83 DEGREES 03 MINUTES 12 SECONDS EAST ALONG AN ASSUMED BEARING, BEING THE EASTERLY EXTENSION OF THE NORTH LINE OF SAID LOT D, ALSO BEING THE SOUTHERLY LINE OF LOT 6 IN ERNST HECHT ESTATE SUBDIVISION, ACCORDING TO THE PLAT THEREOF RECORDED MAY 23, 1918 AS DOCUMENT NO. 177852, A DISTANCE OF 1043.59 FEET TO A POINT ON THE WESTERLY LINE OF MILWAUKEE AVENUE AS CONVEYED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION PER DOCUMENT RECORDED JUNE 21, 2000, AS DOCUMENT NUMBER 4543142; THENCE SOUTH 09 DEGREES 36 MINUTES 41 SECONDS EAST ALONG THE LAST DESCRIBED LINE 944.64 FEET; THENCE SOUTH 80 DEGREES 23 MINUTES 19 SECONDS WEST ALONG THE LAST DESCRIBED LINE 7.00 FEET; THENCE SOUTH 09 DEGREES 36 MINUTES 41 SECONDS EAST ALONG THE LAST DESCRIBED LINE 288.82 FEET; THENCE SOUTH 35 DEGREES 35 MINUTES 47 SECONDS WEST 82.12 FEET TO A POINT ON THE NORTH LINE OF GREGG'S PARKWAY ACCORDING TO THE DOCUMENT RECORDED APRIL 28, 1997 AS DOCUMENT NUMBER 3981406; THENCE SOUTH 80 DEGREES 23 MINUTES 21 SECONDS WEST, ALONG THE LAST DESCRIBED LINE 910.00 FEET TO A POINT OF CURVATURE; THENCE CONTINUING WESTERLY 25.04 FEET ALONG THE LAST DESCRIBED LINE, BEING A CURVED LINE TO THE LEFT, HAVING A RADIUS OF 750.00 FEET AND WHOSE CHORD BEARS SOUTH 79 DEGREES 25 MINUTES 58 SECONDS WEST 25.04 FEET TO AN INTERSECTION WITH A LINE 1075 FEET, AS MEASURED AT RIGHT ANGLES, WESTERLY OF AND PARALLEL WITH THE CENTER LINE OF SAID MILWAUKEE AVENUE, ALSO BEING THE EASTERLY LINE OF SAID LOT D; THENCE NORTH 09 DEGREES 36 MINUTES 41 SECONDS WEST ALONG THE LAST DESCRIBED LINE, 1587.13 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

ALL LOCATED WITHIN THE VILLAGE OF VERNON HILLS, LAKE COUNTY, ILLINOIS AS SHOWN BY THE PLAT HEREON DRAWN, WHICH IS A CORRECT AND ACCURATE REPRESENTATION OF SAID SURVEY AND SUBDIVISION, THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

THE PROPERTY SHOWN ON THE PLAT HEREON DRAWN IS SITUATED WITHIN THE CORPORATE LIMITS OF THE VILLAGE OF VERNON HILLS WHICH HAS ADOPTED A COMPREHENSIVE PLAN AND WHICH IS EXERCISING THE SPECIAL POWERS AUTHORIZED BY DIVISION 12 OF ARTICLE 11 OF ILLINOIS MUNICIPAL CODE AS HERETOFORE AND HEREAFTER AMENDED.

I FURTHER CERTIFY THAT ALL REGULATIONS ENACTED BY THE VILLAGE OF VERNON HILLS RELATIVE TO PLATS AND SUBDIVISIONS HAVE BEEN COMPLIED WITH IN THE PREPARATION OF THIS PLAT.

THAT THE PROPERTY COVERED BY THIS PLAT OF SUBDIVISION IS LOCATED IN ZONE X AS IDENTIFIED FOR LAKE COUNTY, ILLINOIS, BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY ON THE FLOOD INSURANCE RATE MAP, PANEL NO. 17097C0184K, DATED SEPTEMBER 18, 2013.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. 2014.



ANTHONY J. STRICKLAND  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3437  
MY LICENSE EXPIRES ON NOVEMBER 30, 2014.  
V3 COMPANIES OF ILLINOIS, LTD., PROFESSIONAL DESIGN FIRM NO. 184600902  
THIS DESIGN FIRM NUMBER EXPIRES APRIL 30, 2015.

**V** Engineers  
Scientists  
Surveyors

7325 Janes Avenue, Suite 100  
Woodridge, IL 60517  
630.724.9200 voice  
630.724.0384 fax  
v3co.com

PREPARED FOR:  
**MENARD, INC.**  
5101 MENARD DRIVE  
EAU CLAIR, WI, 54703-9625  
715-876-5911

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1.	5/12/2014	REVISED EASEMENT LOCATIONS, ADDED SETBACKS			
2.	6/27/2014	REVISED PER VILLAGE COMMENTS			
3.	7/15/2014	REVISED LOT LINES			

**FINAL PLAT OF SUBDIVISION**

GREGG'S LANDING NORTH, VERNON HILLS, IL.

Project No: 10068.MNRD  
Group No: VP04.1

DRAFTING COMPLETED: 02/28/14 DRAWN BY: EJM PROJECT MANAGER: AJS SHEET NO.  
FIELD WORK COMPLETED: N/A CHECKED BY: AJS SCALE: 1" = 100' 2 of 2

# FINAL ENGINEERING PLANS FOR MENARDS 1860 NORTH MILWAUKEE AVENUE VERNON HILLS, ILLINOIS

**RECEIVED**  
JUN 27 2014  
COMMUNITY DEVELOPMENT  
DEPARTMENT

**PROJECT TEAM**

OWNER

Menards, Inc.  
5101 Menard Drive  
Eau Clair, WI 54703-9625  
715-876-6213  
Contact: Jim Carlson

ENGINEER

V3 Companies  
7325 Janes Avenue  
Woodridge, Illinois 60517  
630 724 9200 voice  
630 724 9202 fax  
Project Manager: John Brown, P.E.  
Project Engineer: Martin Iwanicki, P.E.

VILLAGE OF VERNON HILLS

490 Greenleaf Drive  
Vernon Hills, IL 60061  
847-367-3726  
Contact: David Brown, Village Engineer

LAKE COUNTY PUBLIC WORKS

650 W. Winchester Road  
Libertyville, IL 60048  
847-377-7500  
Contact: Gordan White, Engineering Supervisor

COMED

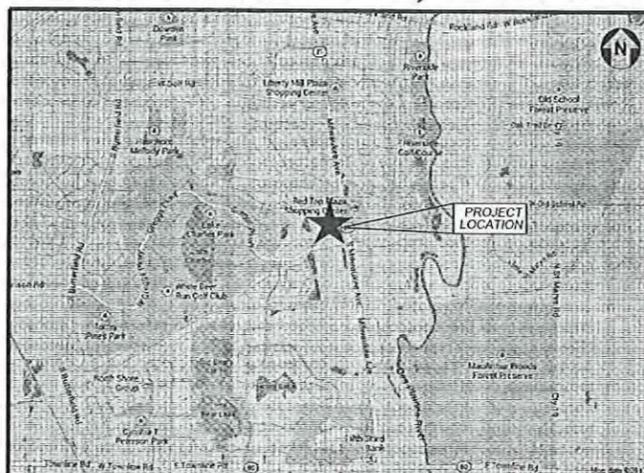
847-816-5327  
Elias Martinez

TDS TELECOM

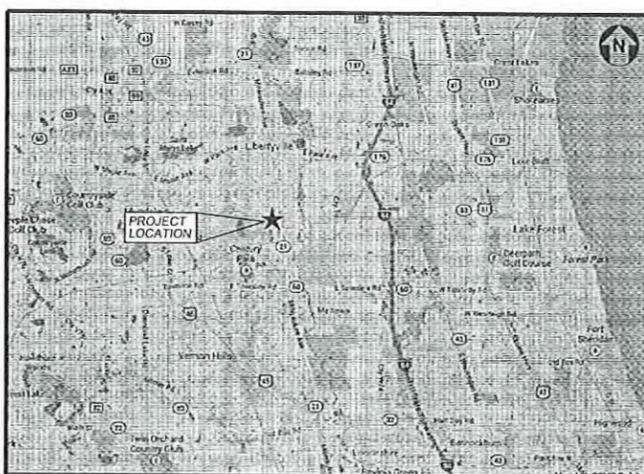
200 N. Fairway Drive, Suite 176  
Vernon Hills, IL 60061  
847-968-5802  
815-639-4710  
Contact: Bill Davis

NORTHSHORE GAS

3001 Grand Avenue  
Waukegan, IL 60085  
847-263-4643  
Contact: Joe Chinik



**LOCATION MAP**  
NO SCALE



**VICINITY MAP**  
NO SCALE

**INDEX OF DRAWINGS**

- TITLE SHEET**
- C1.0 GENERAL NOTES, LEGEND AND ABBREVIATIONS
  - C2.0 OVERALL EXISTING CONDITIONS
  - C2.1 EXISTING CONDITIONS AND DEMOLITION PLAN
  - C2.2 EXISTING CONDITIONS AND DEMOLITION PLAN
  - C3.0 OVERALL LAYOUT AND SIGNAGE PLAN
  - C3.1 LAYOUT PLAN - NORTH
  - C3.2 LAYOUT PLAN - SOUTH
  - C4.1 GRADING PLAN - NORTH
  - C4.2 GRADING PLAN - SOUTH
  - C4.3 EROSION CONTROL PLAN - NORTH
  - C4.4 EROSION CONTROL PLAN - SOUTH
  - C4.5 EROSION CONTROL DETAILS
  - C5.0 OVERALL UTILITY PLAN
  - C5.1 UTILITY PLAN - NORTH
  - C5.2 UTILITY PLAN - SOUTH
  - C6.0 CONSTRUCTION DETAILS
  - C6.1 CONSTRUCTION DETAILS AND SANITARY SEWER PROFILES
  - C6.2 CONSTRUCTION DETAILS

**BENCHMARKS**

STATION DESIGNATION: SBM#1  
ESTABLISHED BY: SMITH ENGINEERING CONSULTANTS, INC.

ELEVATION: 693.45 (PUBLISHED AND HELD)  
DATUM: NAVD83  
DESCRIPTION:  
CUT "X" IN THE EAST NOSE OF A CONCRETE CURB ISLAND LOCATED ALONG THE CENTERLINE OF GREG'S PARKWAY AND APPROXIMATELY 803 FEET WEST OF THE CENTERLINE OF ROUTE 21.

STATION DESIGNATION: SBM#2  
ESTABLISHED BY: V3 COMPANIES

ELEVATION: 682.39 (MEASURED)  
DATUM: NAVD83  
DESCRIPTION:  
WEST EDGE OF LIGHT STANDARD LOCATED ON THE EAST SIDE OF ROUTE 21 AND NORTH OF THE ENTRANCE TO SITE.

**PROFESSIONAL ENGINEER'S CERTIFICATION**

I, JOHN R. BROWN, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THIS SUBMISSION WAS PREPARED ON BEHALF OF MENARDS BY V3 COMPANIES UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D., 2014.

ILLINOIS LICENSED PROFESSIONAL ENGINEER: 062-050103  
MY LICENSE EXPIRES ON NOVEMBER 30, 2015

ILLINOIS LICENSED DESIGN FIRM NO. 184-000902

**REVISIONS**

NO.	DATE	DESCRIPTION	SHEETS REVISED	REV. BY
1	05-12-14	PER VERNON HILLS		/
2	05-26-14	PER VERNON HILLS	ALL	MBI/INRS

ORIGINAL ISSUE DATE: MARCH 14, 2014



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
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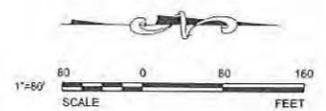
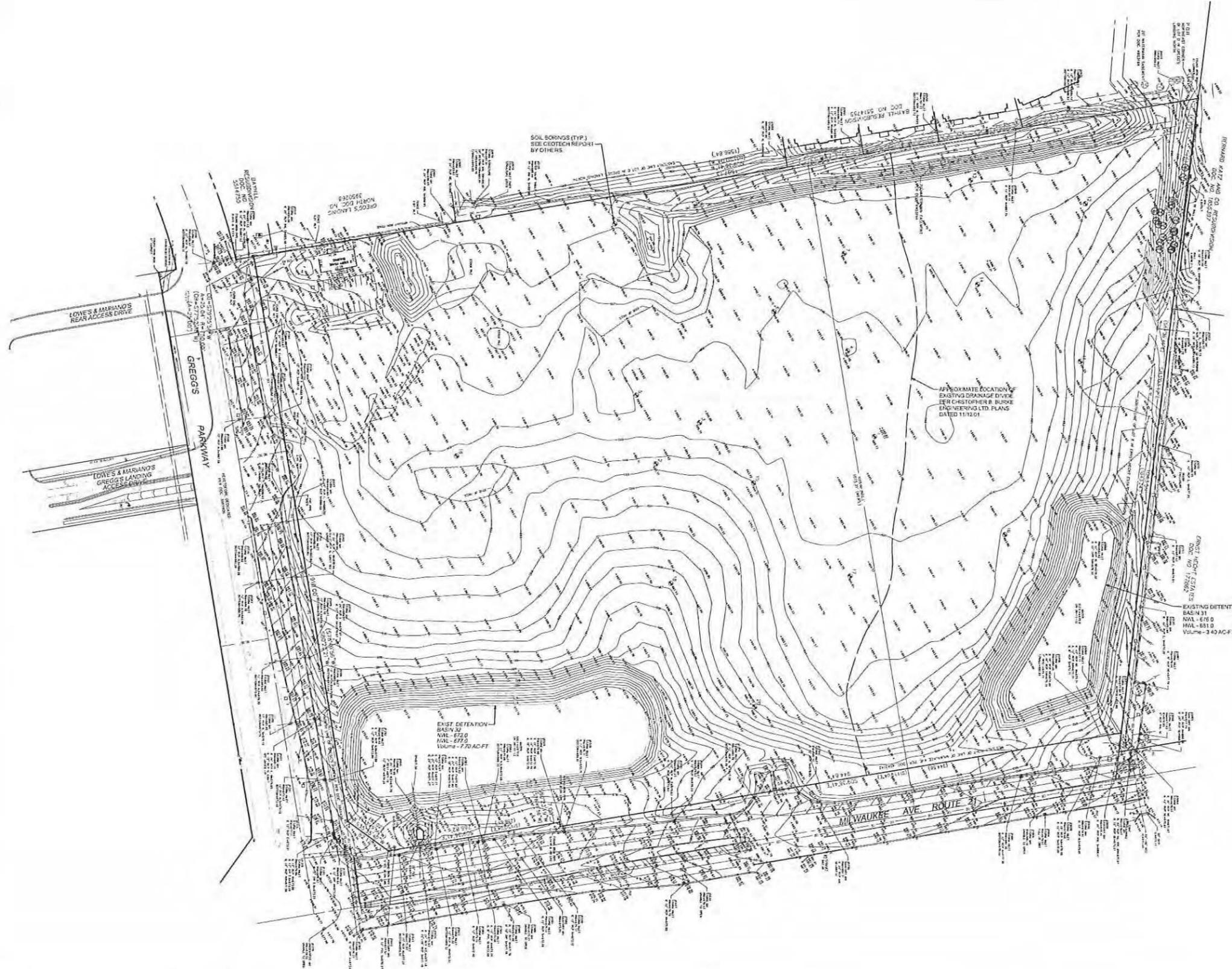
Joint  
Utility  
Locating  
Information  
for  
Excavators

Call 48 hours before you dig  
(Excluding Sat., Sun. & Holidays)

Visio, Vertere, Virtute... "The Vision to Transform with Excellence"

THIS DOCUMENT IS THE PROPERTY OF V3 COMPANIES AND NO PART HEREIN SHALL BE USED EXCEPT FOR THIS SPECIFIC PROJECT WITHOUT THE WRITTEN CONSENT OF V3 COMPANIES.





V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	05-12-14	PER VERNON HILLS			
2	06-27-14	PER VERNON HILLS			

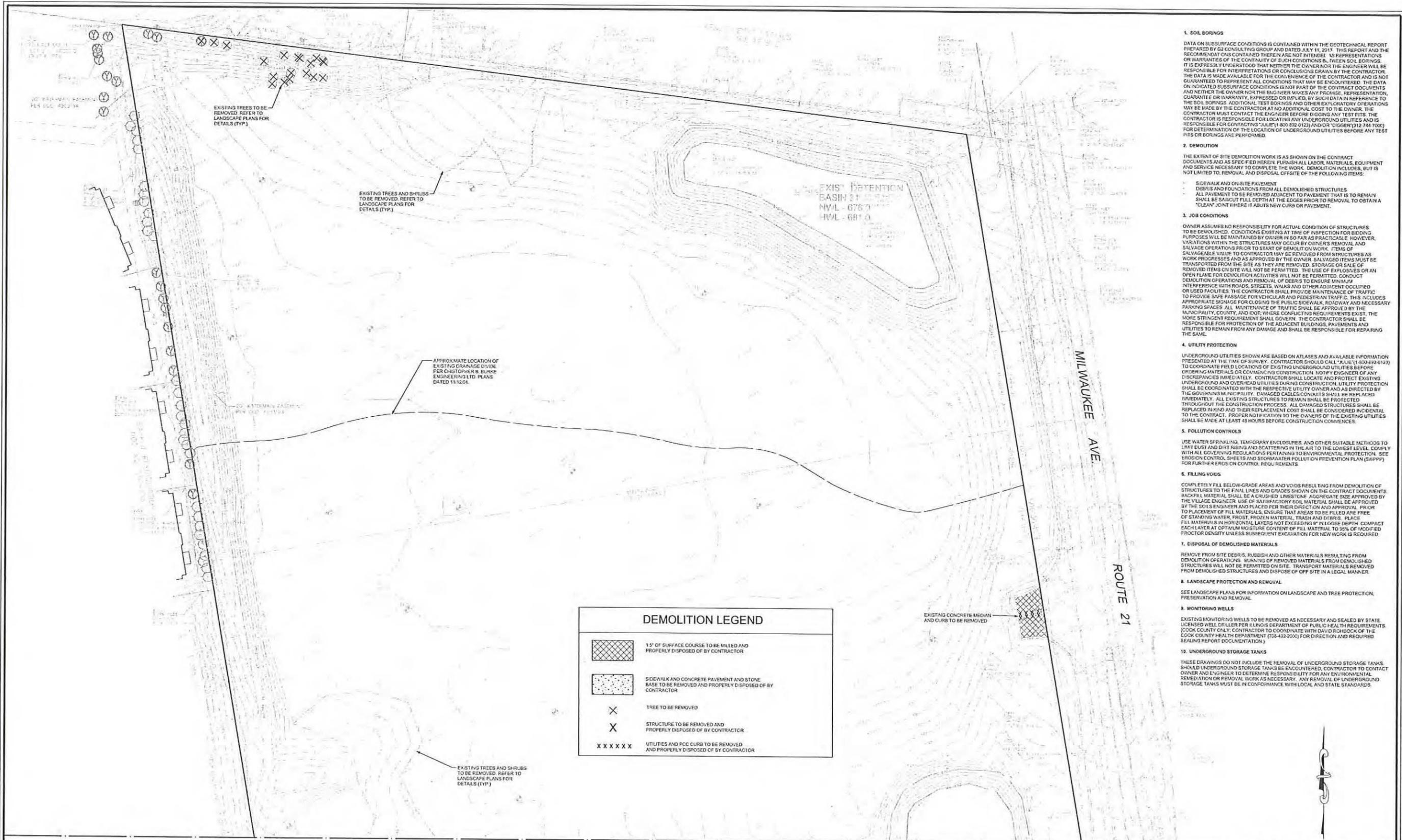
SEAL:

PROJECT NO.  
10068.MNRD  
DESIGNED BY:  
RMW  
FILE NAME:  
C2.0 Exc  
DRAWN BY:  
NRS  
ORIGINAL ISSUE DATE:  
03-14-14  
CHECKED BY:  
JRB  
SCALE:  
1"=80'  
PROJECT MANAGER:  
JRB

**MENARDS**  
**1860 N. MILWAUKEE AVE.**  
VERNON HILLS  
ILLINOIS

OVERALL EXISTING CONDITIONS

DRAWING NO.  
**C2.0**



1. SOIL BORINGS  
 DATA ON SUBSURFACE CONDITIONS IS CONTAINED WITHIN THE GEOTECHNICAL REPORT PREPARED BY G2 CONSULTING GROUP AND DATED JULY 11, 2013. THIS REPORT AND THE RECORD DRAWINGS CONTAINED THEREIN ARE NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF THE ACCURACY OF SUCH CONDITIONS BETWEEN SOIL BORINGS. IT IS EXPRESSLY UNDERSTOOD THAT NEITHER THE OWNER NOR THE ENGINEER WILL BE RESPONSIBLE FOR CONCLUSIONS DRAWN BY THE CONTRACTOR. THE DATA IS MADE AVAILABLE FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT GUARANTEED TO REPRESENT ALL CONDITIONS THAT MAY BE ENCOUNTERED. THE DATA ON INDICATED SUBSURFACE CONDITIONS IS NOT PART OF THE CONTRACT DOCUMENTS AND NEITHER THE OWNER NOR THE ENGINEER MAKES ANY PROMISE, REPRESENTATION, GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, BY SUCH DATA IN REFERENCE TO THE SOIL BORINGS. ADDITIONAL TEST BORINGS AND OTHER EXPLORATORY OPERATIONS MAY BE MADE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR MUST CONTACT THE ENGINEER BEFORE DIGGING ANY TEST PITS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY UNDERGROUND UTILITIES AND IS RESPONSIBLE FOR CONTACTING "JULIE" (1-800-892-0123) AND/OR "DIGGER" (312-744-7000) FOR DETERMINATION OF THE LOCATION OF UNDERGROUND UTILITIES BEFORE ANY TEST PITS OR BORINGS ARE PERFORMED.
2. DEMOLITION  
 THE EXTENT OF SITE DEMOLITION WORK IS AS SHOWN ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICE NECESSARY TO COMPLETE THE WORK. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND DISPOSAL OFFSITE OF THE FOLLOWING ITEMS:  
 - SIDEWALK AND ON-SITE PAVEMENT  
 - DECKS AND FOUNDATIONS FROM ALL DEMOLISHED STRUCTURES  
 - ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO REMAIN SHALL BE SAWED FULL DEPTH AT THE EDGES PRIOR TO REMOVAL TO OBTAIN A "CLEAN" JOINT WHERE IT ADJUTS NEW CURB OR PAVEMENT.
3. JOB CONDITIONS  
 OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF STRUCTURES TO BE DEMOLISHED. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSES WILL BE MAINTAINED BY OWNER IN SO FAR AS PRACTICABLE. HOWEVER, VARIATIONS WITHIN THE STRUCTURES MAY OCCUR BY OWNER'S REMOVAL AND SALVAGE OPERATIONS PRIOR TO START OF DEMOLITION WORK. ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED FROM STRUCTURES AS WORK PROGRESSES AND IS APPROVED BY THE OWNER. SALVAGED ITEMS MUST BE TRANSPORTED FROM THE SITE AS THEY ARE REMOVED. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED. THE USE OF EXPLOSIVES OR AN OPEN FLAME FOR DEMOLITION ACTIVITIES WILL NOT BE PERMITTED. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMAL INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. THE CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC TO PROVIDE SAFE PASSAGE FOR VEHICULAR AND PEDESTRIAN TRAFFIC. THIS INCLUDES APPROPRIATE SIGNAGE FOR CLOSING THE PUBLIC SIDEWALK, ROADWAY AND NECESSARY PARKING SPACES. ALL MAINTENANCE OF TRAFFIC SHALL BE APPROVED BY THE MUNICIPALITY, COUNTY, AND DOT, WHERE CONFLICTING REQUIREMENTS EXIST. THE MORE STRINGENT REQUIREMENT SHALL GOVERN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE ADJACENT BUILDINGS, PAVEMENTS AND UTILITIES TO REMAIN FROM ANY DAMAGE AND SHALL BE RESPONSIBLE FOR REPAIRING THE SAME.
4. UTILITY PROTECTION  
 UNDERGROUND UTILITIES SHOWN ARE BASED ON ATLAS AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR SHOULD CALL "JULIE" (1-800-892-0123) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND AS DIRECTED BY THE GOVERNING MUNICIPALITY. DAMAGED CABLES/CONDUITS SHALL BE REPLACED IMMEDIATELY. ALL EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED IN KIND AND THEIR REPLACEMENT COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. PROPER NOTIFICATION TO THE OWNERS OF THE EXISTING UTILITIES SHALL BE MADE AT LEAST 48 HOURS BEFORE CONSTRUCTION COMMENCES.
5. POLLUTION CONTROLS  
 USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST LEVEL. COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. SEE EROSION CONTROL SHEETS AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR FURTHER EROSION CONTROL REQUIREMENTS.
6. FILLING VOIDS  
 COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE A CRUSHED LIMESTONE AGGREGATE SIZE APPROVED BY THE VILLAGE ENGINEER. USE OF SATISFACTORY SOIL MATERIAL SHALL BE APPROVED BY THE SOILS ENGINEER AND PLACED PER THEIR DIRECTION AND APPROVAL. PRIOR TO PLACEMENT OF FILL MATERIALS, ENSURE THAT AREAS TO BE FILLED ARE FREE OF STAGNANT WATER, FROST, FROZEN MATERIAL, TRASH AND DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 8" IN LOOSE DEPTH. COMPACT EACH LAYER AT OPTIMUM MOISTURE CONTENT OF FILL MATERIAL TO 95% OF MODIFIED PROCTOR DENSITY UNLESS SUBSEQUENT EXCAVATION FOR NEW WORK IS REQUIRED.
7. DISPOSAL OF DEMOLISHED MATERIALS  
 REMOVE FROM SITE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. BURIAL OF REMOVED MATERIALS FROM DEMOLISHED STRUCTURES WILL NOT BE PERMITTED ON SITE. TRANSPORT MATERIALS REMOVED FROM DEMOLISHED STRUCTURES AND DISPOSE OF OFF SITE IN A LEGAL MANNER.
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 SEE LANDSCAPE PLANS FOR INFORMATION ON LANDSCAPE AND TREE PROTECTION, PRESERVATION AND REMOVAL.
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DEMOLITION LEGEND	
	1" OF SURFACE COURSE TO BE MILLED AND PROPERLY DISPOSED OF BY CONTRACTOR
	SIDEWALK AND CONCRETE PAVEMENT AND STONE BASE TO BE REMOVED AND PROPERLY DISPOSED OF BY CONTRACTOR
	TREE TO BE REMOVED
	STRUCTURE TO BE REMOVED AND PROPERLY DISPOSED OF BY CONTRACTOR
	UTILITIES AND PCC CURB TO BE REMOVED AND PROPERLY DISPOSED OF BY CONTRACTOR

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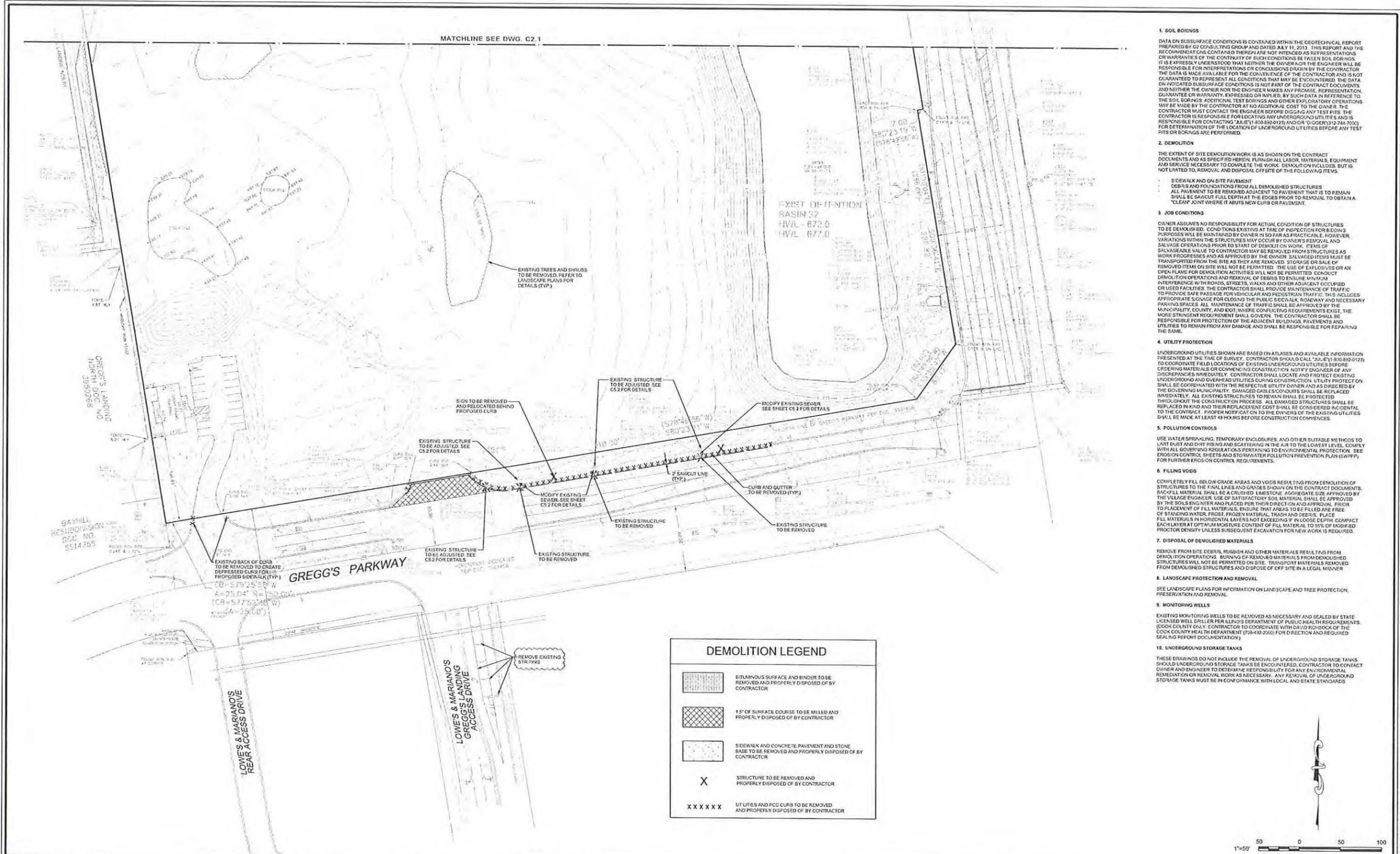
PROJECT NO:	10068.MNRD	DESIGNED BY:	RMW
FILE NAME:	C2.1 Exc	DRAWN BY:	NRS
ORIGINAL ISSUE DATE:	03-14-14	CHECKED BY:	JRB
SCALE:	1"=50'	PROJECT MANAGER:	JRB

**MENARDS**  
 1860 N. MILWAUKEE AVE.  
 VERNON HILLS ILLINOIS

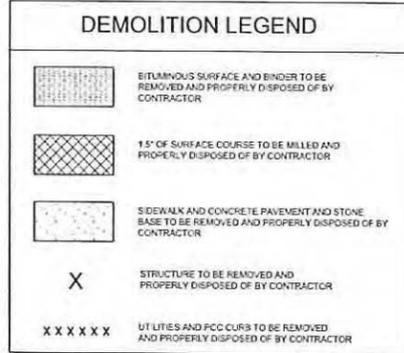
**EXISTING CONDITIONS AND DEMOLITION PLAN - NORTH**

DRAWING NO. **C2.1**

MATCHLINE SEE DWG. C2.1



1. SOIL BORINGS  
DATA ON SUBSURFACE CONDITIONS IS CONTAINED WITHIN THE GEOTECHNICAL REPORT PREPARED BY G3 CONSULTING GROUP AND DATED JULY 11, 2013. THIS REPORT AND THE RECOMMENDATIONS CONTAINED THEREIN ARE NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF THE CONTINUITY OF SUCH CONDITIONS BETWEEN SOIL BORINGS. IT IS EXPRESSLY UNDERSTOOD THAT NEITHER THE OWNER NOR THE ENGINEER WILL BE RESPONSIBLE FOR INTERPRETATIONS OR CONCLUSIONS DRAWN BY THE CONTRACTOR. THE DATA IS MADE AVAILABLE FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT GUARANTEED TO REPRESENT ALL CONDITIONS THAT MAY BE ENCOUNTERED. THE DATA ON INDICATED SUBSURFACE CONDITIONS IS NOT PART OF THE CONTRACT DOCUMENTS AND NEITHER THE OWNER NOR THE ENGINEER MAKES ANY PROMISE, REPRESENTATION, GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, BY SUCH DATA IN REFERENCE TO THE SOIL BORINGS. ADDITIONAL TEST BORINGS AND OTHER EXPLORATORY OPERATIONS MAY BE MADE BY THE CONTRACTOR AT HIS OWNERS' COST TO THE OWNER. THE CONTRACTOR MUST CONTACT THE ENGINEER BEFORE DIGGING ANY TEST PITS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY UNDERGROUND UTILITIES AND IS RESPONSIBLE FOR CONTACTING "AUGER" (800-892-0123) AND/OR "DIGSAFE" (312-744-7000) FOR DETERMINATION OF THE LOCATION OF UNDERGROUND UTILITIES BEFORE ANY TEST PITS OR BORINGS ARE PERFORMED.
2. DEMOLITION  
THE EXTENT OF SITE DEMOLITION WORK IS AS SHOWN ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICE NECESSARY TO COMPLETE THE WORK. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND DISPOSAL OFFSITE OF THE FOLLOWING ITEMS:  
  - SIDEWALK AND ON-SITE PAVEMENT
  - DEBRIS AND FOUNDATIONS FROM ALL DEMOLISHED STRUCTURES
  - ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO REMAIN SHALL BE SAWCUT FULL DEPTH AT THE EDGES PRIOR TO REMOVAL TO OBTAIN A "CLEAN" JOINT WHERE IT ABUTS NEW CURB OR PAVEMENT.
3. JOB CONDITIONS  
OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF STRUCTURES TO BE DEMOLISHED. CONDITIONS EXISTING AT TIME OF INSPECTION FOR RECORD PURPOSES WILL BE MAINTAINED BY OWNER IN SO FAR AS PRACTICABLE. HOWEVER, VARIATIONS WITHIN THE STRUCTURES MAY OCCUR BY OWNERS' REMOVAL AND SALVAGE OPERATIONS PRIOR TO START OF DEMOLITION WORK. ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED FROM STRUCTURES AS WORK PROGRESSES AND AS APPROVED BY THE OWNER. SALVAGED ITEMS MUST BE TRANSPORTED FROM THE SITE AS THEY ARE REMOVED. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED. THE USE OF EXPLOSIVES OR AN OPEN FLAME FOR DEMOLITION ACTIVITIES WILL NOT BE PERMITTED. CONDUIT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. THE CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC TO PROVIDE SAFE PASSAGE FOR VEHICULAR AND PEDESTRIAN TRAFFIC. THIS INCLUDES APPROPRIATE SIGNAGE FOR CLOSING THE PUBLIC SIDEWALK, ROADWAY AND NECESSARY PARKING SPACES. ALL MAINTENANCE OF TRAFFIC SHALL BE APPROVED BY THE MUNICIPALITY, COUNTY, AND DOT WHERE CONFLICTING REQUIREMENTS EXIST. THE MORE STRINGENT REQUIREMENT SHALL GOVERN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE ADJACENT BUILDINGS, PAVEMENTS AND UTILITIES TO REMAIN FROM ANY DAMAGE AND SHALL BE RESPONSIBLE FOR REPAIRING THE SAME.
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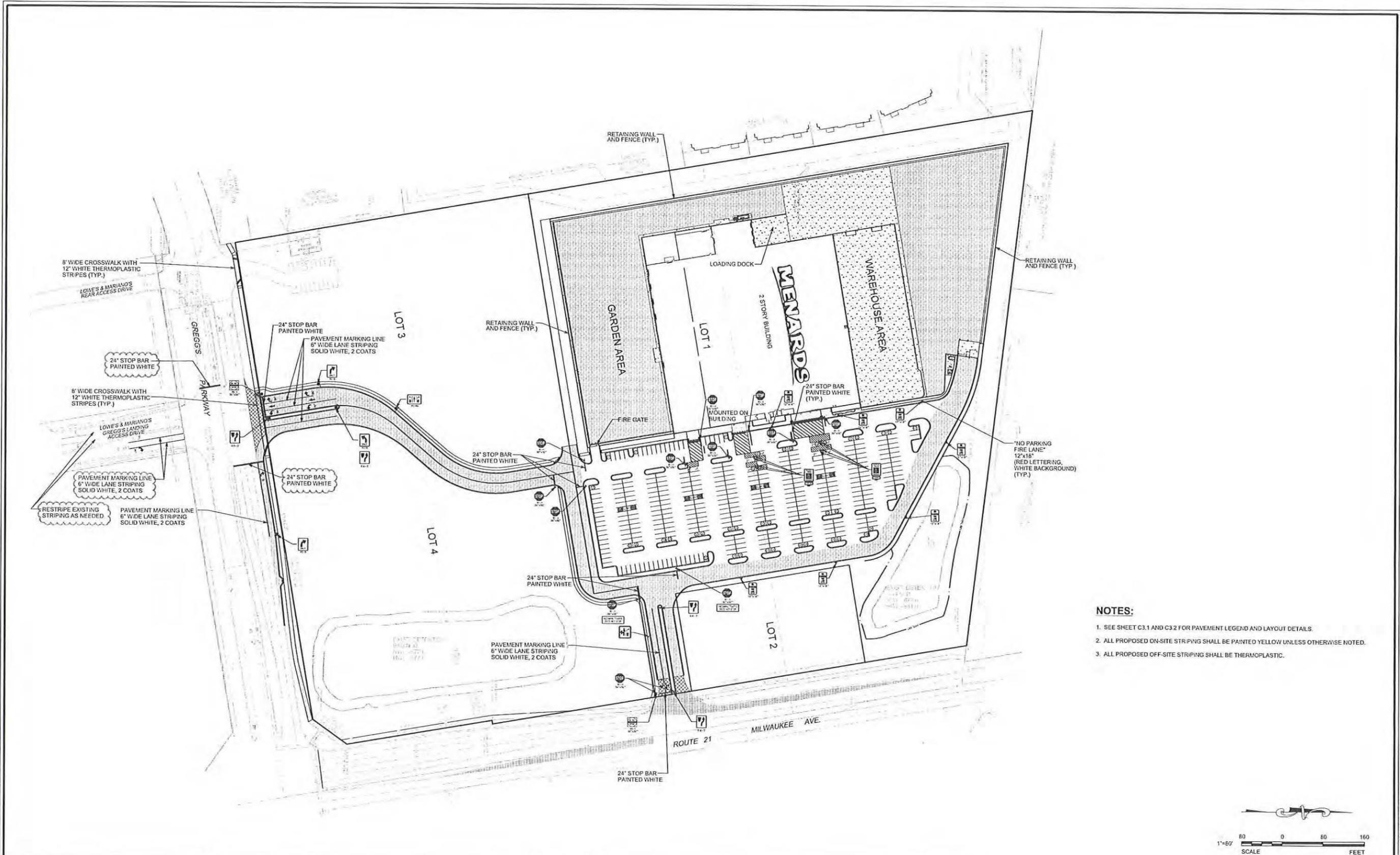
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NO.	DATE	DESCRIPTION	
1	05-12-14	PER VERNON HILLS	
2	06-27-14	PER VERNON HILLS	

PROJECT NO. 10068.MNRD	DESIGNED BY. RMW
FILE NAME C2.2 ExC	DRAWN BY. NRS
ORIGINAL ISSUE DATE 03-14-14	CHECKED BY. JRB
SCALE 1"=50'	PROJECT MANAGER JRB

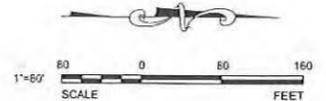
**MENARDS**  
1860 N. MILWAUKEE AVE.  
VERNON HILLS  
ILLINOIS

**EXISTING CONDITIONS  
AND DEMOLITION PLAN - SOUTH**

DRAWING NO.  
**C2.2**



- NOTES:**
1. SEE SHEET C3.1 AND C3.2 FOR PAVEMENT LEGEND AND LAYOUT DETAILS.
  2. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED YELLOW UNLESS OTHERWISE NOTED.
  3. ALL PROPOSED OFF-SITE STRIPING SHALL BE THERMOPLASTIC.




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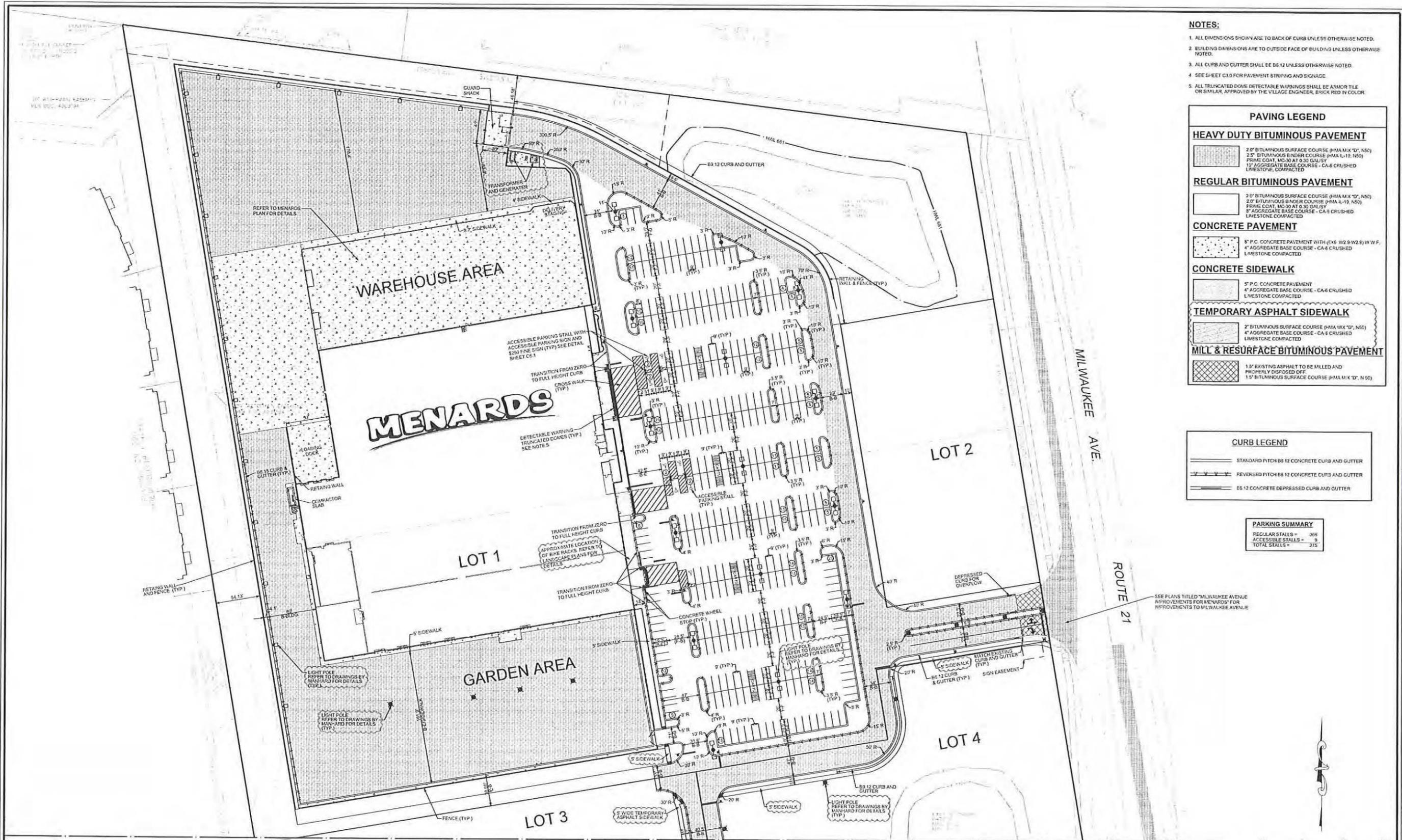
PROJECT NO.	10068.MNRD	DESIGNED BY:	RMW
FILE NAME	C3.0 Lay	DRAWN BY:	NRS
ORIGINAL ISSUE DATE	03-14-14	CHECKED BY:	JRB
SCALE	1"=80'	PROJECT MANAGER	JRB

**MENARDS**  
1860 N. MILWAUKEE AVE.  
VERNON HILLS ILLINOIS

**OVERALL LAYOUT AND SIGNAGE PLAN**

DRAWING NO.  
**C3.0**

10068.MNRD - OVERALL LAYOUT PLAN



- NOTES:**
1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
  2. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
  3. ALL CURB AND GUTTER SHALL BE B6 12 UNLESS OTHERWISE NOTED.
  4. SEE SHEET C3.0 FOR PAVEMENT STRIPING AND SIGNAGE.
  5. ALL TRUNCATED DOME DETECTABLE WARNING SHALL BE ASMOR TILE OR SIMILAR, APPROVED BY THE VILLAGE ENGINEER, BRICK RED IN COLOR.

**PAVING LEGEND**

**HEAVY DUTY BITUMINOUS PAVEMENT**

2" 0' BITUMINOUS SURFACE COURSE (HMA MIX 10", NS0)  
2" 0' BITUMINOUS BINDER COURSE (HMA L-19, NS0)  
PRIME COAT, MC-30 AT 0.30 GAL/SY  
1" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**REGULAR BITUMINOUS PAVEMENT**

2" 0' BITUMINOUS SURFACE COURSE (HMA MIX 10", NS0)  
2" 0' BITUMINOUS BINDER COURSE (HMA L-19, NS0)  
PRIME COAT, MC-30 AT 0.30 GAL/SY  
1" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**CONCRETE PAVEMENT**

8" P.C. CONCRETE PAVEMENT WITH (ENS 1/2" W/2.5") W/W.F.  
4" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**CONCRETE SIDEWALK**

5" P.C. CONCRETE PAVEMENT  
4" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**TEMPORARY ASPHALT SIDEWALK**

2" BITUMINOUS SURFACE COURSE (HMA MIX 10", NS0)  
4" AGGREGATE BASE COURSE - CA-6 CRUSHED LIMESTONE, COMPACTED

**MILL & RESURFACE BITUMINOUS PAVEMENT**

1.5" EXISTING ASPHALT TO BE MILLED AND PROPERLY DISPOSED OFF  
1.5" BITUMINOUS SURFACE COURSE (HMA MIX 10", NS0)

**CURB LEGEND**

STANDARD PITCH B6 12 CONCRETE CURB AND GUTTER

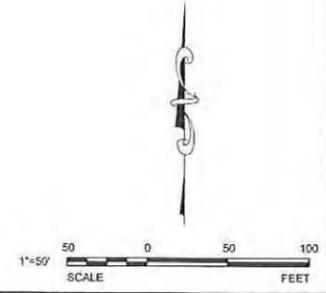
REVERSED PITCH B6 12 CONCRETE CURB AND GUTTER

B6 12 CONCRETE DEPRESSED CURB AND GUTTER

**PARKING SUMMARY**

REGULAR STALLS = 305  
ACCESSIBLE STALLS = 9  
TOTAL STALLS = 315

SEE PLANS TITLED "MILWAUKEE AVENUE IMPROVEMENTS FOR MENARDS" FOR IMPROVEMENTS TO MILWAUKEE AVENUE



**REVISIONS**

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DRAWN BY: NRS  
ORIGINAL ISSUE DATE: 03-14-14  
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PROJECT MANAGER: JRB

**MENARDS**  
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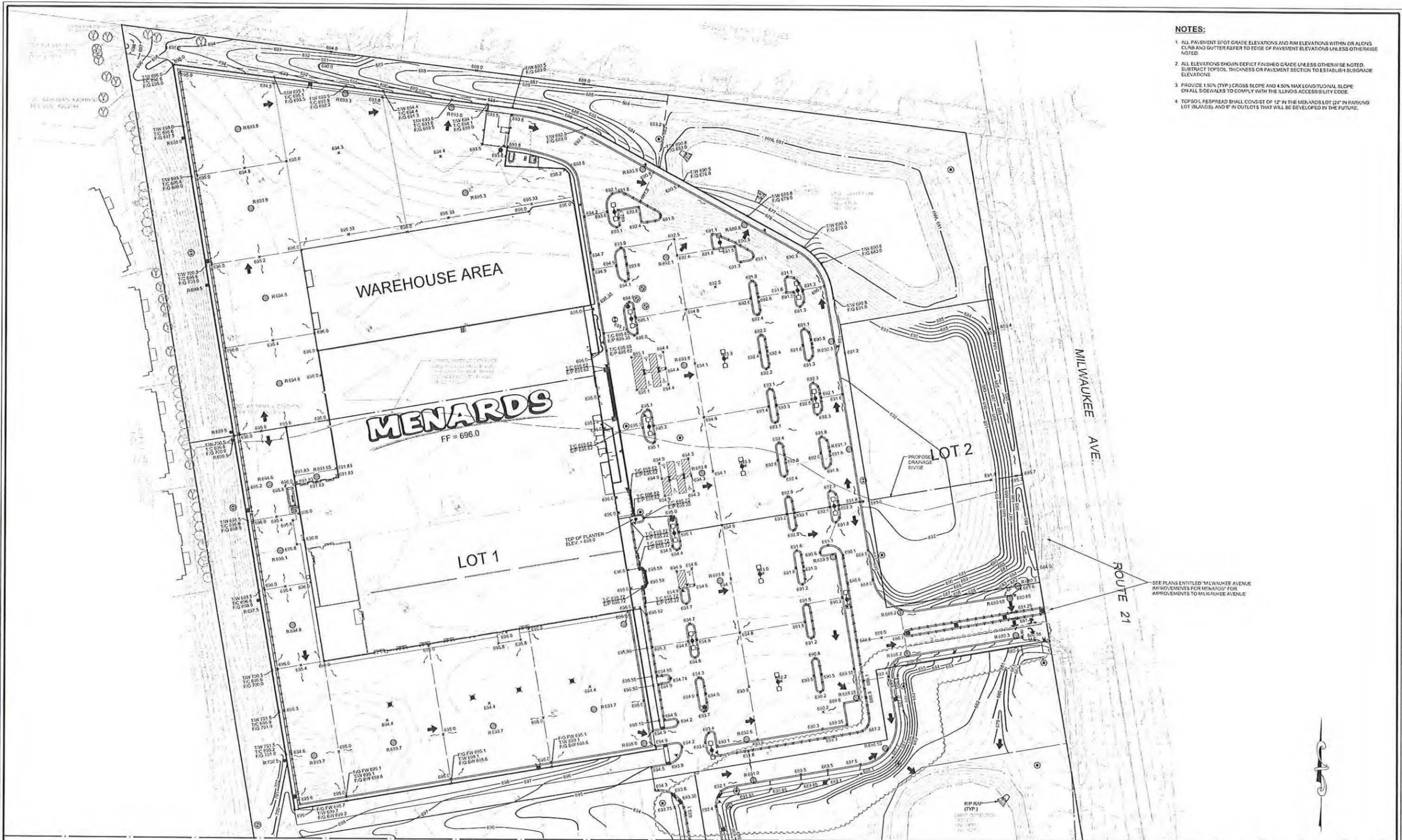
LAYOUT PLAN - NORTH

DRAWING NO. C3.1

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- NOTES:**
1. ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
  2. ALL ELEVATIONS SHOWN DEFECT FINISHED GRADE UNLESS OTHERWISE NOTED. SUBTRACT TOPSOIL THICKNESS OR PAVEMENT SECTION TO ESTABLISH ORIGINAL GRADE ELEVATIONS.
  3. PROVIDE 1.5% (TYP.) CROSS SLOPE AND 4.5% MAX LONGITUDINAL SLOPE ON ALL SIDEWALKS TO COMPLY WITH THE ILLINOIS ACCESSIBILITY CODE.
  4. TOPSOIL RESPREAD SHALL CONSIST OF 12" IN THE MENARDS LOT (24" IN PARKING LOT ISLANDS) AND 6" IN OUTLOTS THAT WILL BE DEVELOPED IN THE FUTURE.

SEE PLANS ENTITLED 'MILWAUKEE AVENUE IMPROVEMENTS FOR MENARDS' FOR IMPROVEMENTS TO MILWAUKEE AVENUE

MATCHLINE SEE DWG. C4.2



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SEAL:

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DESIGNED BY: RMW  
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DRAWN BY: NRS  
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SCALE: 1"=50'  
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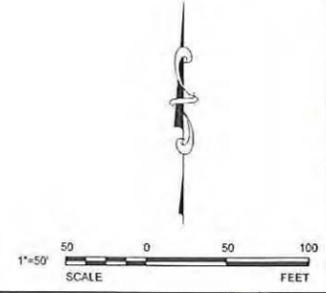
**MENARDS**  
1860 N. MILWAUKEE AVE.  
VERNON HILLS ILLINOIS

GRADING PLAN - NORTH

DRAWING NO. **C4.1**

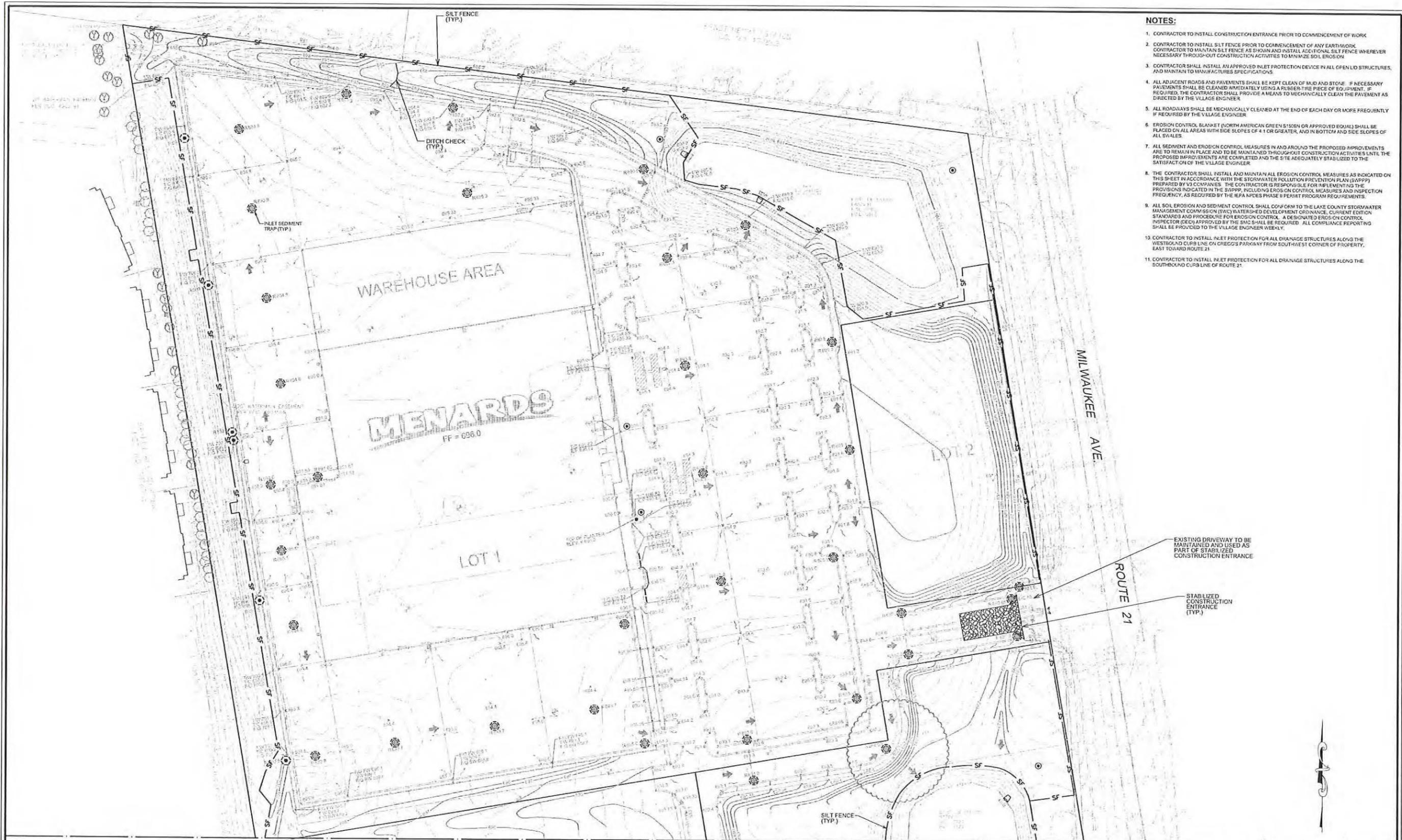


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10068.MNRD - GRADING PLAN - SOUTH



- NOTES:**
- CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF WORK
  - CONTRACTOR TO INSTALL SILT FENCE PRIOR TO COMMENCEMENT OF ANY EARTHWORK. CONTRACTOR TO MAINTAIN SILT FENCE AS SHOWN AND INSTALL ADDITIONAL SILT FENCE WHEREVER NECESSARY THROUGHOUT CONSTRUCTION ACTIVITIES TO MINIMIZE SOIL EROSION.
  - CONTRACTOR SHALL INSTALL AN APPROVED INLET PROTECTION DEVICE IN ALL OPEN LID STRUCTURES, AND MAINTAIN TO MANUFACTURER'S SPECIFICATIONS.
  - ALL ADJACENT ROADS AND PAVEMENTS SHALL BE KEPT CLEAN OF MUD AND STONE. IF NECESSARY PAVEMENTS SHALL BE CLEANED IMMEDIATELY USING A RUBBER-TIRE PIECE OF EQUIPMENT. IF REQUIRED, THE CONTRACTOR SHALL PROVIDE A MEANS TO MECHANICALLY CLEAN THE PAVEMENT AS DIRECTED BY THE VILLAGE ENGINEER.
  - ALL ROADWAYS SHALL BE MECHANICALLY CLEANED AT THE END OF EACH DAY OR MORE FREQUENTLY IF REQUIRED BY THE VILLAGE ENGINEER.
  - EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S150EN OR APPROX EQUIV) SHALL BE PLACED ON ALL AREAS WITH SIDE SLOPES OF 4:1 OR GREATER, AND IN BOTTOM AND SIDE SLOPES OF ALL SWALES.
  - ALL SEDIMENT AND EROSION CONTROL MEASURES IN AND AROUND THE PROPOSED IMPROVEMENTS ARE TO REMAIN IN PLACE AND TO BE MAINTAINED THROUGHOUT CONSTRUCTION ACTIVITIES UNTIL THE PROPOSED IMPROVEMENTS ARE COMPLETED AND THE SITE ADEQUATELY STABILIZED TO THE SATISFACTION OF THE VILLAGE ENGINEER.
  - THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY V3 COMPANIES. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP, INCLUDING EROSION CONTROL MEASURES AND INSPECTION FREQUENCY, AS REQUIRED BY THE IEPA NPDES PHASE II PERMIT PROGRAM REQUIREMENTS.
  - ALL SOIL EROSION AND SEDIMENT CONTROL SHALL CONFORM TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION (SMC) WATERSHED DEVELOPMENT ORDINANCE, CURRENT EDITION STANDARDS AND PROCEDURES FOR EROSION CONTROL. A DESIGNATED EROSION CONTROL INSPECTOR (DECI) APPROVED BY THE SMC SHALL BE REQUIRED. ALL COMPLIANCE REPORTING SHALL BE PROVIDED TO THE VILLAGE ENGINEER WEEKLY.
  - CONTRACTOR TO INSTALL INLET PROTECTION FOR ALL DRAINAGE STRUCTURES ALONG THE WESTBOUND CURB LINE ON CREGG'S PARKWAY FROM SOUTH-WEST CORNER OF PROPERTY, EAST TOWARD ROUTE 21.
  - CONTRACTOR TO INSTALL INLET PROTECTION FOR ALL DRAINAGE STRUCTURES ALONG THE SOUTHBOUND CURB LINE OF ROUTE 21.

EXISTING DRIVEWAY TO BE MAINTAINED AND USED AS PART OF STABILIZED CONSTRUCTION ENTRANCE

STABILIZED CONSTRUCTION ENTRANCE (TYP.)

ROUTE 21

MILWAUKEE AVE.

WAREHOUSE AREA

**MENARDS**  
FF = 636.0

LOT 1

LOT 2

MATCHLINE SEE DWG. C4.4



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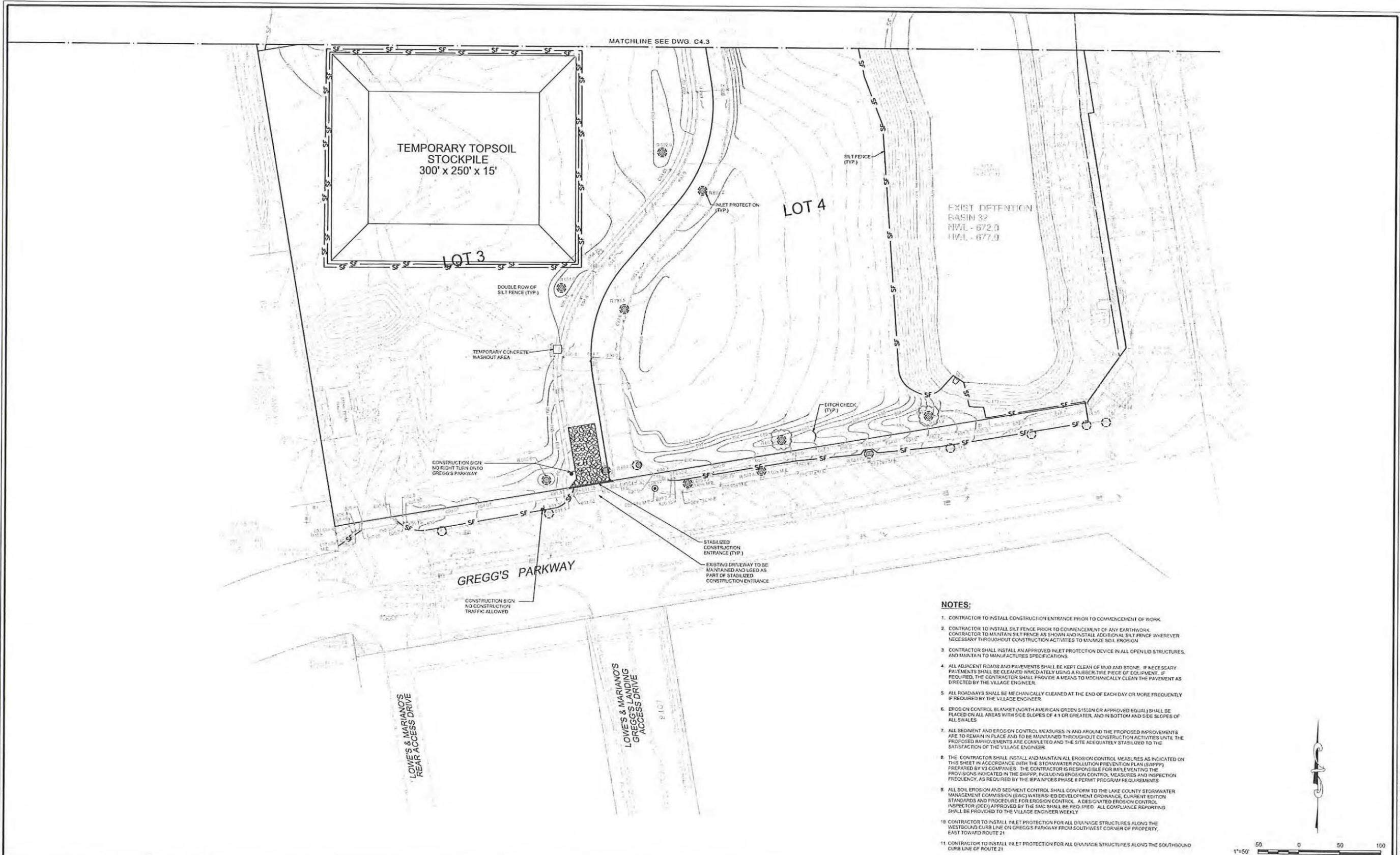
REVISIONS			
NO.	DATE	DESCRIPTION	
1	05-12-14	PER VERNON HILLS	
2	06-27-14	PER VERNON HILLS	

PROJECT NO. 10068.MNRD	DESIGNED BY: RMW
FILE NAME: C4.3 Ero10068	DRAWN BY: NRS
ORIGINAL ISSUE DATE: 03-14-14	CHECKED BY: JRB
SCALE: 1"=50'	PROJECT MANAGER: JRB

**MENARDS**  
1860 N. MILWAUKEE AVE.  
VERNON HILLS ILLINOIS

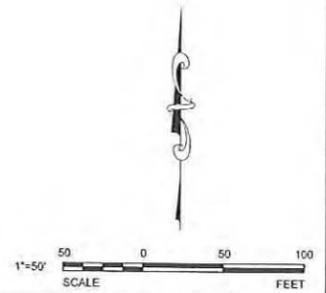
**EROSION CONTROL PLAN - NORTH**  
DRAWING NO. **C4.3**

10068.MNRD - EROSION CONTROL PLAN - NORTH



**NOTES:**

1. CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF WORK.
2. CONTRACTOR TO INSTALL SILT FENCE PRIOR TO COMMENCEMENT OF ANY EARTHWORK. CONTRACTOR TO MAINTAIN SILT FENCE AS SHOWN AND INSTALL ADDITIONAL SILT FENCE WHEREVER NECESSARY THROUGHOUT CONSTRUCTION ACTIVITIES TO MINIMIZE SOIL EROSION.
3. CONTRACTOR SHALL INSTALL AN APPROVED INLET PROTECTION DEVICE IN ALL OPEN LID STRUCTURES, AND MAINTAIN TO MANUFACTURER'S SPECIFICATIONS.
4. ALL ADJACENT ROADS AND PAVEMENTS SHALL BE KEPT CLEAN OF MUD AND STONE. IF NECESSARY PAVEMENTS SHALL BE CLEANED IMMEDIATELY USING A RUBBER-TIRE PIECE OF EQUIPMENT. IF REQUIRED, THE CONTRACTOR SHALL PROVIDE A MEANS TO MECHANICALLY CLEAN THE PAVEMENT AS DIRECTED BY THE VILLAGE ENGINEER.
5. ALL ROADWAYS SHALL BE MECHANICALLY CLEANED AT THE END OF EACH DAY OR MORE FREQUENTLY IF REQUIRED BY THE VILLAGE ENGINEER.
6. EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S155BN OR APPROVED EQUAL) SHALL BE PLACED ON ALL AREAS WITH SIDE SLOPES OF 4:1 OR GREATER, AND IN BOTTOM AND SIDE SLOPES OF ALL SWALES.
7. ALL SEDIMENT AND EROSION CONTROL MEASURES, IN AND AROUND THE PROPOSED IMPROVEMENTS ARE TO REMAIN IN PLACE AND TO BE MAINTAINED THROUGHOUT CONSTRUCTION ACTIVITIES UNTIL THE PROPOSED IMPROVEMENTS ARE COMPLETE AND THE SITE ADEQUATELY STABILIZED TO THE SATISFACTION OF THE VILLAGE ENGINEER.
8. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY V3 COMPANIES. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP, INCLUDING EROSION CONTROL MEASURES AND INSPECTION FREQUENCY, AS REQUIRED BY THE IEPA NPDES PHASE II PERMIT PROGRAM REQUIREMENTS.
9. ALL SOIL EROSION AND SEDIMENT CONTROL SHALL CONFORM TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION (SWMC) WATER-EROD DEVELOPMENT ORDINANCE, CURRENT EDITION STANDARDS AND PROCEDURE FOR EROSION CONTROL. A DESIGNATED EROSION CONTROL INSPECTOR (ECI) APPROVED BY THE SWMC SHALL BE REQUIRED. ALL COMPLIANCE REPORTING SHALL BE PROVIDED TO THE VILLAGE ENGINEER WEEKLY.
10. CONTRACTOR TO INSTALL INLET PROTECTION FOR ALL DRAINAGE STRUCTURES ALONG THE WESTBOUND CURB LINE ON GREGG'S PARKWAY FROM SOUTHWEST CORNER OF PROPERTY, EAST TOWARD ROUTE 21.
11. CONTRACTOR TO INSTALL INLET PROTECTION FOR ALL DRAINAGE STRUCTURES ALONG THE SOUTHWEST CORNER OF ROUTE 21.




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1	05-12-14	PER VERNON HILLS	
2	05-27-14	PER VERNON HILLS	

PROJECT NO.: 10068.MNRD  
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FILE NAME: C4.4 Ero10068  
DRAWN BY: NRS  
ORIGINAL ISSUE DATE: 03-14-14  
CHECKED BY: JRB  
SCALE: 1"=50'  
PROJECT MANAGER: JRB

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VERNON HILLS  
ILLINOIS

**EROSION CONTROL PLAN - SOUTH**

DRAWING NO.  
**C4.4**

### TREE PROTECTION - FENCING

**NOTES:**

- The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
- Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 30 sq. in.
- The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.

STANDARD Dwg. NO. IL-690  
SHEET 1 OF 1  
DATE 4-7-94

**NRCS**  
Natural Resource Conservation Service

### SYNTHETIC POROUS RUNOFF CONTROL STRUCTURES

Slope	Porosity	Minimum Installation Length up Slope
2:1	1	15
2.5:1	1.5	20
3:1	2	25
3.5:1	2	30
4:1	2	35
5:1	2.5	40
6:1	2.5	45

STANDARD Dwg. NO. IUM-514  
SHEET 1 OF 1  
DATE 8-15-91

### TEMPORARY "SHOULDER" WASHOUT FACILITY - BARRIER WALL

**NOTES:**

- For temporary structures, concrete barrier walls shall be removed and replaced by a permanent structure when the roadway is stabilized and approved equal by the village engineer.
- Ready, stable, level, well-drained subgrade shall be provided.

STANDARD Dwg. NO. IUM-514  
SHEET 1 OF 1  
DATE 8-15-91

### INLET BASKET FILTER

**NOTES:**

- BASKET FILTERS ARE TO BE PROVIDED ON ALL STORM STRUCTURES THAT ACCEPT SURFACE FLOW.
- THE INLET BASKET FILTERS ARE TO BE REMOVED BY THE CONTRACTOR WHEN THE SITE HAS BEEN STABILIZED AND APPROVED EQUAL BY THE VILLAGE ENGINEER.

### CONSTRUCTION ROAD STABILIZATION

**NOTES:**

- Rock shall meet one of the following DOT coarse aggregate gradations, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 R200FILL using placement Method 1 and Class II compaction.
- See plans for construction road location, D and W dimensions.
- Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for tractor traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required.
- Roadway shall follow the contour of the natural terrain to the extent possible.
- Geotextile (non-woven) minimum criteria:  
Weight of Geotextile (oz/sq. yd.) 6  
Tensile strength (lb) ASTM D 4632 150  
Elongation at failure (%) ASTM D 4632 250  
Puncture (lb) ASTM D 4833 60  
UV resistant light ASTM D 4355 70  
Apparent opening size (AOS) ASTM D 4751 max 40 sieve  
Permeability sec<sup>-1</sup> ASTM D 4451 0.70
- Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the shifting downslope geotextile.

STANDARD Dwg. NO. IUM-514  
SHEET 1 OF 1  
DATE 8-15-91

### EROSION BLANKET INSTALLATION DETAILS

**NOTES:**

- On erosion control paper, check work. In plan detail shall be spaced so that one corner will catch 50% on slope of more than 4% or less than 4% on slopes of 4% or more. They shall be spaced so that one corner will catch 95%.
- Staples are to be placed vertically in columns approximately 2' apart and in rows approximately 2' apart. Approximately 175 staples are required per 4' x 150' roll of material and 125 staples are required per 4' x 150' roll of material.
- Erosion control material shall be spread evenly over ground surface. Do not stretch.
- All blanket ends and lap joints shall be stapled at approximately 2' intervals.

STANDARD Dwg. NO. IUM-514  
SHEET 1 OF 1  
DATE 8-15-91

### SILT FENCE

**NOTES:**

- Temporary silt fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
- Fabric shall meet the requirements of material specification S12 Geotextile Table 1 or 2. Cloth with equivalent quality size of at least 30 for maximum and 50 for average.
- Fabric posts shall be either wood posts with a minimum cross-sectional area of 3.0 sq. in. or a spaced steel post.

STANDARD Dwg. NO. IUM-514  
SHEET 1 OF 1  
DATE 8-15-91

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NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	05-12-14	PER VERNON HILLS			
2	06-27-14	PER VERNON HILLS			

PROJECT NO. 10068.MNRD  
FILE NAME: C4.5 EroDet10068  
ORIGINAL ISSUE DATE: 03-14-14  
SCALE: N.T.S.

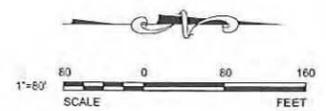
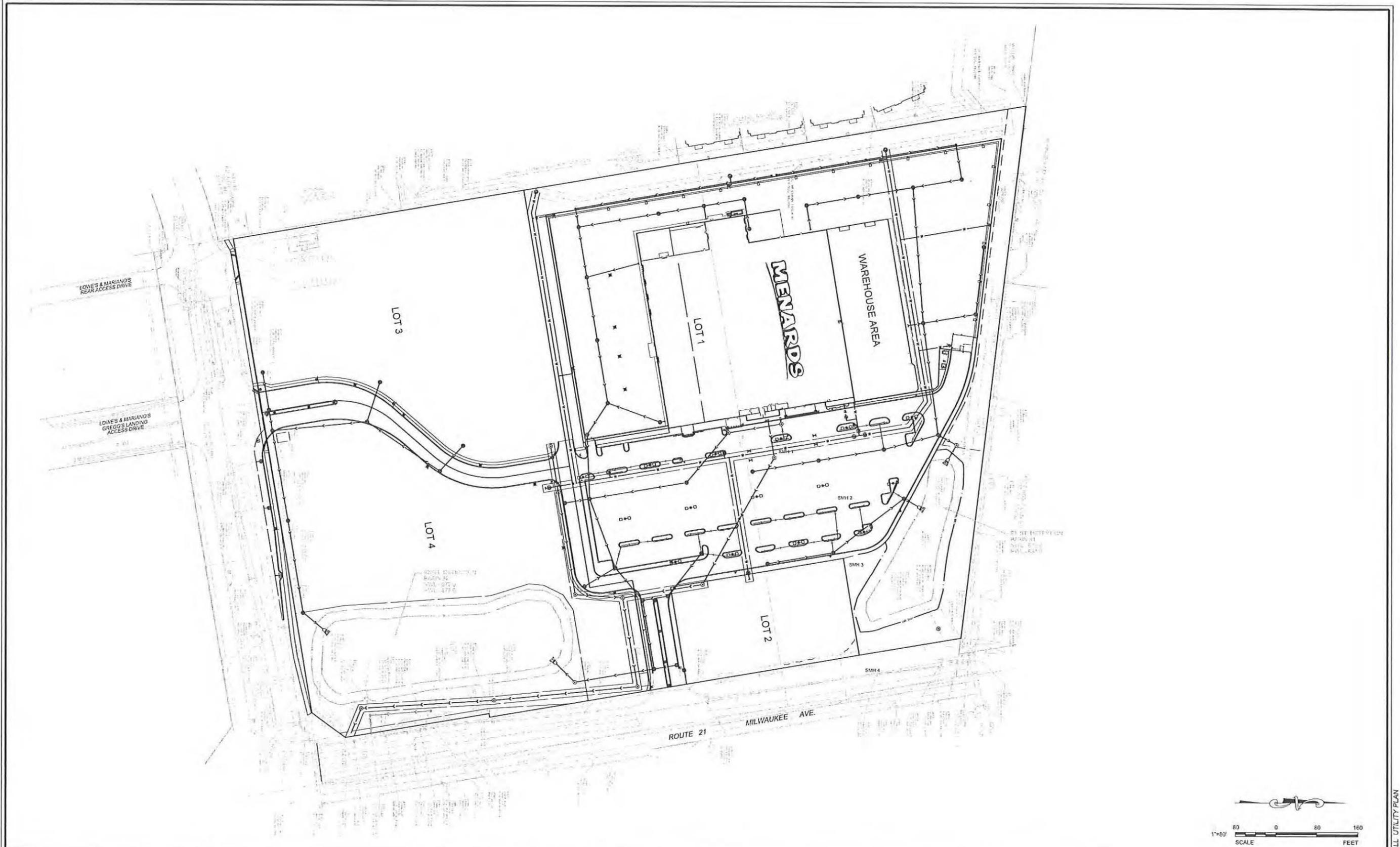
DESIGNED BY: RMW  
DRAWN BY: NRS  
CHECKED BY: JRB  
PROJECT MANAGER: JRB

**MENARDS**  
1860 N. MILWAUKEE AVE.  
ILLINOIS

**EROSION CONTROL DETAILS**

DRAWING NO. **C4.5**

10068.MNRD - EROSION CONTROL DETAILS



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REVISIONS			
NO.	DATE	DESCRIPTION	
1	05-12-14	PER VERNON HILLS	
2	06-27-14	PER VERNON HILLS	

SEAL:

PROJECT NO.: 10068.MNRD  
 FILE NAME: C5.0 UU  
 ORIGINAL ISSUE DATE: 03-14-14  
 SCALE: 1"=80'

DESIGNED BY: RMW  
 DRAWN BY: NRS  
 CHECKED BY: JRB  
 PROJECT MANAGER: JRB

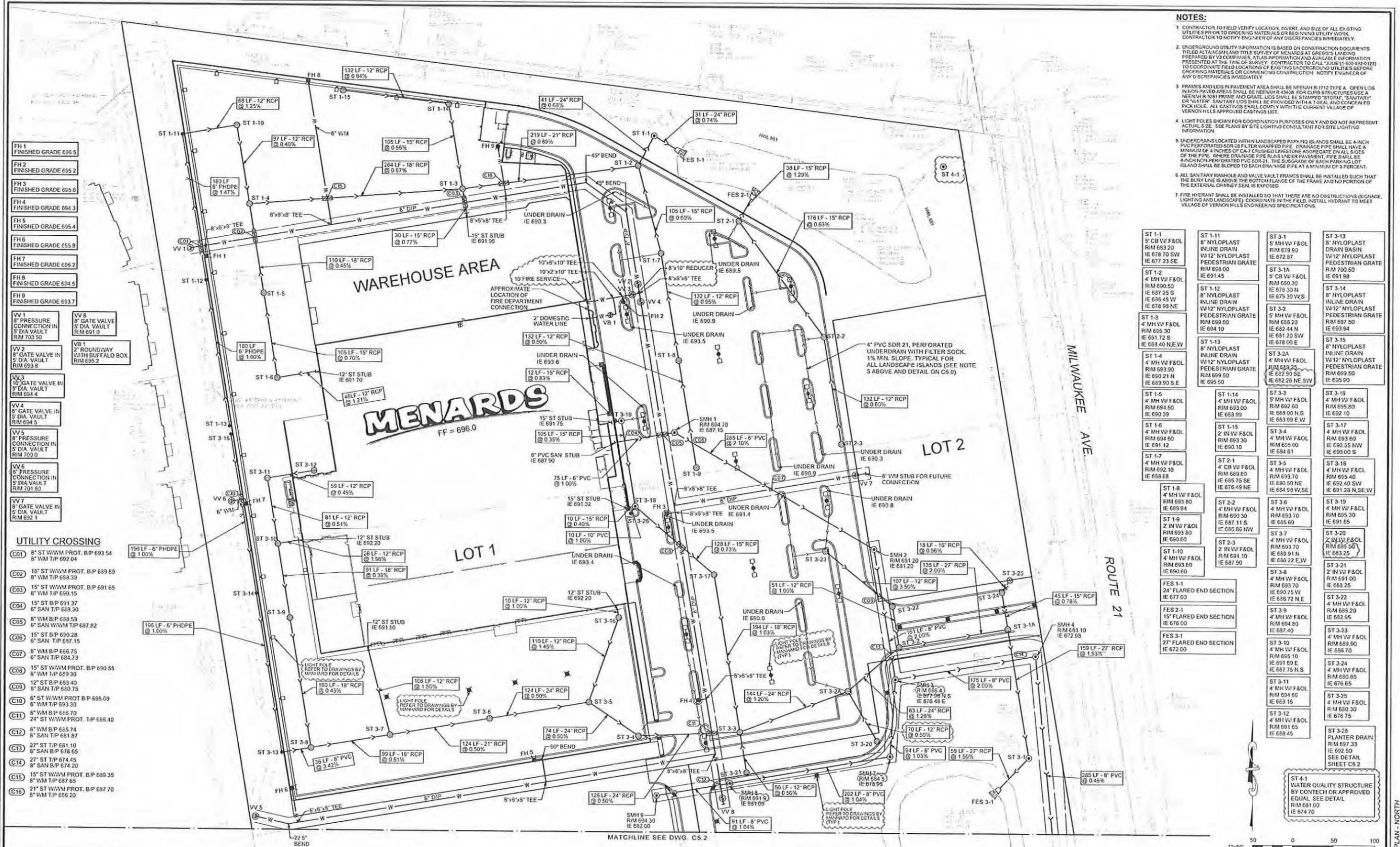
**MENARDS**  
 1860 N. MILWAUKEE AVE.

VERNON HILLS ILLINOIS

OVERALL UTILITY PLAN

DRAWING NO.  
**C5.0**

- NOTES:**
- CONTRACTOR TO FIELD VERIFY LOCATION, DEPTH, AND SIZE OF ALL EXISTING UTILITIES PRIOR TO ORDERING MATERIALS OR BEGINNING UTILITY WORK. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
  - UNDERGROUND UTILITY INFORMATION IS BASED ON CONSTRUCTION DOCUMENTS TITLED AT TAACON LAND TITLE SURVEY OF MENARDS AT GREGG'S LANDING PREPARED BY V3 COMPANIES, ATLAS INFORMATION AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR TO CALL (JULIE) 1-800-532-0123 TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
  - FRAMES AND LEGS IN PAVEMENT AREA SHALL BE NEENAH R-1712 TYPE A. OPEN LOS IN NON-PAVED AREAS SHALL BE NEENAH R-380 FOR CURB STRUCTURES USE A NEENAH R-381 FRAME AND GRATE. LIDS SHALL BE STAMPED "STORM" "SANITARY" OR "WATER". SANITARY LIDS SHALL BE PROVIDED WITH A T-SEAL AND CONCEALED PICK-UP. ALL CASTINGS SHALL COMPLY WITH THE CURRENT VILLAGE OF VERNON HILLS APPROVED CASTINGS LIST.
  - LIGHT POLES SHOWN FOR COORDINATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL SIZE. SEE PLANS BY SITE LIGHTING CONSULTANT FOR SITE LIGHTING INFORMATION.
  - UNDERGRANDS LOCATED WITHIN LANDSCAPED PARKING ISLANDS SHALL BE 4-INCH PVC PERFORATED SDR-26 FILTER WRAPPED PIPE. DRAINAGE PIPE SHALL HAVE A MINIMUM OF 4 INCHES OF CA-7 CRUSHED LIMESTONE AGGREGATE ON ALL SIDES OF THE PIPE. WHERE DRAINAGE PIPE RUNS UNDER PAVEMENT, PIPE SHALL BE 4-INCH NON-PERFORATED PVC SDR-21. THE SUBGRADE OF EACH PARKING LOT ISLAND SHALL BE SLOPED TO EACH DRAINAGE PIPE AT A MINIMUM OF 2 PERCENT.
  - ALL SANITARY MANHOLE AND VALVE VAULT FRAMES SHALL BE INSTALLED SUCH THAT THE SURVEY LINE IS ABOVE THE BOTTOM FLANGE OF THE FRAME AND NO PORTION OF THE EXTERNAL CHIMNEY SEAL IS EXPOSED.
  - FIRE HYDRANT SHALL BE INSTALLED SO THAT THERE ARE NO OBSTRUCTIONS (LANDSCAPE, LIGHTING AND LANDSCAPE) COORDINATE IN THE FIELD. INSTALL HYDRANT TO MEET VILLAGE OF VERNON HILLS ENGINEERING SPECIFICATIONS.



- FH 1 FINISHED GRADE 699.5
- FH 2 FINISHED GRADE 655.2
- FH 3 FINISHED GRADE 695.6
- FH 4 FINISHED GRADE 694.3
- FH 5 FINISHED GRADE 695.4
- FH 6 FINISHED GRADE 655.9
- FH 7 FINISHED GRADE 696.2
- FH 8 FINISHED GRADE 694.5
- FH 9 FINISHED GRADE 693.7
- VV 1 8" GATE VALVE CONNECTION IN 5" DIA VAULT RIM 703.50
- VV 2 8" GATE VALVE IN 5" DIA VAULT RIM 693.8
- VV 3 10" GATE VALVE IN 5" DIA VAULT RIM 694.4
- VV 4 8" GATE VALVE IN 5" DIA VAULT RIM 694.5
- VV 5 8" PRESSURE CONNECTION IN 5" DIA VAULT RIM 703.0
- VV 6 6" PRESSURE CONNECTION IN 5" DIA VAULT RIM 701.62
- VV 7 8" GATE VALVE IN 5" DIA VAULT RIM 692.1
- VV 8 8" GATE VALVE CONNECTION IN 5" DIA VAULT RIM 691.0
- VB 1 2" ROUNDWAY WITH BUFFALO BOX RIM 695.2

- UTILITY CROSSING**
- CO1 8" ST W/M PROT. B.P 693.54 8" W/M T/P 692.04
  - CO2 18" ST W/M PROT. B.P 689.69 8" W/M T/P 689.39
  - CO3 15" ST W/M PROT. B.P 691.65 8" W/M T/P 691.15
  - CO4 15" ST B.P 691.37 6" SAN T/P 688.30
  - CO5 6" W/M B.P 688.59 6" SAN W/M T/P 687.82
  - CO6 15" ST B.P 690.28 6" SAN T/P 687.15
  - CO7 6" W/M B.P 686.75 6" SAN T/P 684.73
  - CO8 15" ST W/M PROT. B.P 690.55 8" W/M T/P 689.30
  - CO9 12" ST B.P 693.40 6" SAN T/P 690.75
  - C10 6" ST W/M PROT. B.P 695.09 6" W/M T/P 693.30
  - C11 6" W/M B.P 686.70 24" ST W/M PROT. T/P 686.40
  - C12 6" W/M B.P 685.74 6" SAN T/P 681.87
  - C13 27" ST T/P 681.10 6" SAN B.P 678.65
  - C14 27" ST T/P 674.45 8" SAN B.P 674.20
  - C15 15" ST W/M PROT. B.P 689.35 8" W/M T/P 687.85
  - C16 21" ST W/M PROT. B.P 697.70 8" W/M T/P 686.20

- ST 1-1 5" CB W/F&O RIM 693.20 IE 678.70 SW IE 677.23 SE
- ST 1-2 4" MH W/F&O RIM 690.50 IE 687.25 S IE 686.45 W IE 678.99 NE
- ST 1-3 4" MH W/F&O RIM 695.30 IE 691.72 S IE 688.49 N.E.W
- ST 1-4 4" MH W/F&O RIM 693.30 IE 690.21 N IE 689.90 S.E
- ST 1-5 4" MH W/F&O RIM 695.50 IE 690.39
- ST 1-6 4" MH W/F&O RIM 694.60 IE 691.12
- ST 1-7 4" MH W/F&O RIM 692.10 IE 688.68
- ST 1-8 4" MH W/F&O RIM 693.80 IE 689.94
- ST 1-9 2" IN W/F&O RIM 693.80 IE 690.60
- ST 1-10 4" MH W/F&O RIM 693.60 IE 690.60
- FES 1-1 24" FLARED END SECTION IE 677.03
- FES 2-1 15" FLARED END SECTION IE 676.03
- FES 3-1 27" FLARED END SECTION IE 672.03
- ST 1-11 8" NYLOPLAST INLINE DRAIN W/12" NYLOPLAST PEDESTRIAN GRATE RIM 698.00 IE 691.45
- ST 1-12 8" NYLOPLAST INLINE DRAIN W/12" NYLOPLAST PEDESTRIAN GRATE RIM 699.50 IE 694.10
- ST 1-13 8" NYLOPLAST INLINE DRAIN W/12" NYLOPLAST PEDESTRIAN GRATE RIM 699.50 IE 695.50
- ST 1-14 4" MH W/F&O RIM 693.30 IE 689.99
- ST 1-15 2" IN W/F&O RIM 693.30 IE 690.10
- ST 2-1 4" CB W/F&O RIM 689.60 IE 685.75 SE IE 676.49 NE
- ST 2-2 4" MH W/F&O RIM 693.30 IE 689.60
- ST 2-3 4" MH W/F&O RIM 693.10 IE 687.90
- ST 2-4 4" MH W/F&O RIM 693.30 IE 689.94
- ST 2-5 4" MH W/F&O RIM 693.70 IE 685.60
- ST 2-6 4" MH W/F&O RIM 693.70 IE 685.60
- ST 2-7 4" MH W/F&O RIM 693.70 IE 685.60
- ST 2-8 4" MH W/F&O RIM 693.70 IE 685.60
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- ST 2-45 4" MH W/F&O RIM 693.70 IE 685.60
- ST 2-46 4" MH W/F&O RIM 693.70 IE 685.60
- ST 2-47 4" MH W/F&O RIM 693.70 IE 685.60
- ST 2-48 4" MH W/F&O RIM 693.70 IE 685.60
- ST 2-49 4" MH W/F&O RIM 693.70 IE 685.60
- ST 2-50 4" MH W/F&O RIM 693.70 IE 685.60

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REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1	05-12-14	PER VERNON HILLS			
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PROJECT NO:	10068.MNRD	DESIGNED BY:	RMW
FILE NAME:	C5.1 UTIL 10068	DRAWN BY:	NRS
ORIGINAL ISSUE DATE:	03-14-14	CHECKED BY:	JRB
SCALE:	1"=50'	PROJECT MANAGER:	JRB

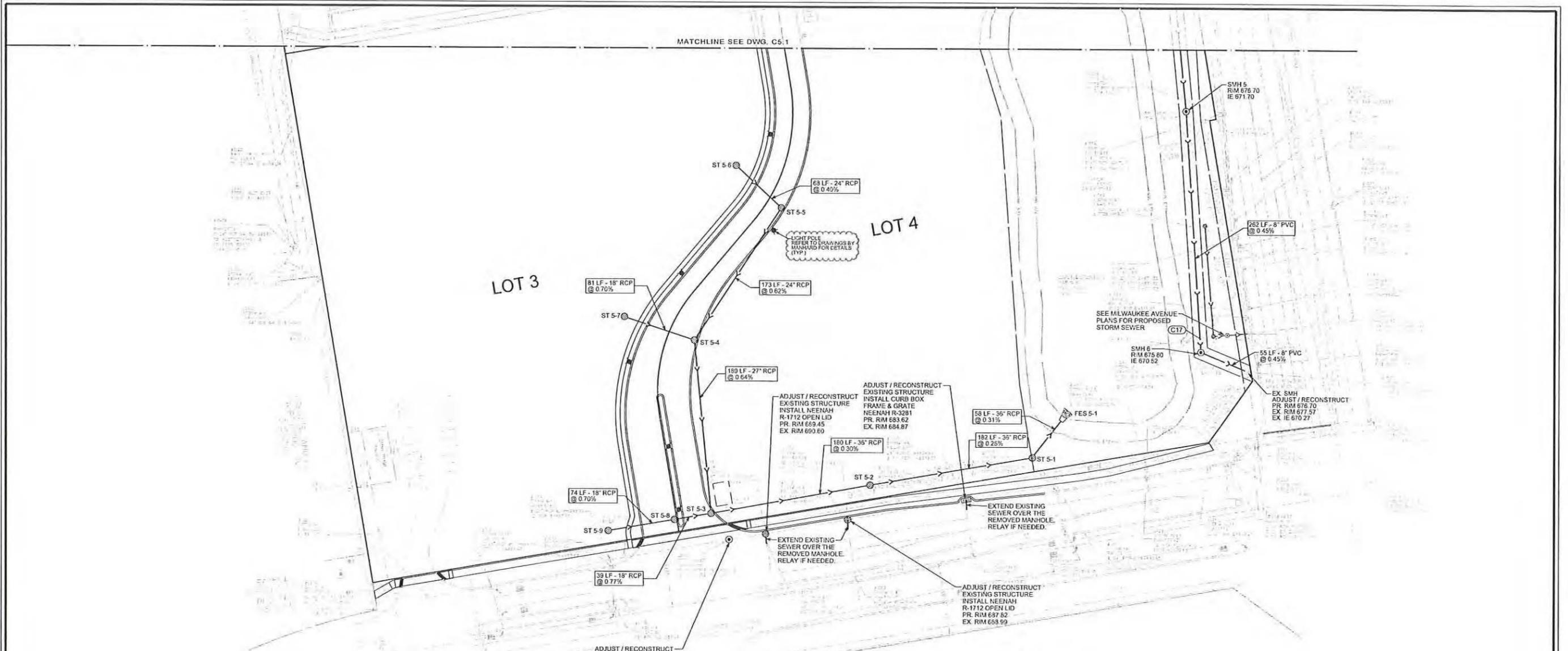
**MENARDS**  
1860 N. MILWAUKEE AVE.

**UTILITY PLAN - NORTH**

**C5.1**

DRAWING NO. 10068.MNRD - UTILITY PLAN - NORTH





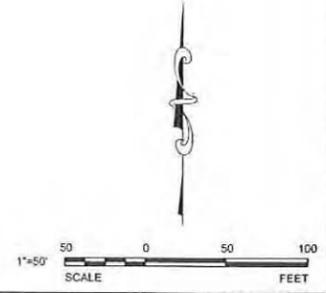
**NOTES:**

- CONTRACTOR TO FIELD VERIFY LOCATION, INVERT, AND SIZE OF ALL EXISTING UTILITIES PRIOR TO ORDERING MATERIALS OR BEGINNING UTILITY WORK. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- UNDERGROUND UTILITY INFORMATION IS BASED ON CONSTRUCTION DOCUMENTS TITLED ALTA/ACSM LAND TITLE SURVEY OF MENARDS AT GREGG'S LANDING PREPARED BY V3 COMPANIES, ATLAS INFORMATION AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR TO CALL JULIE (1-800-832-0123) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- FRAMES AND LIDS IN PAVEMENT AREA SHALL BE NEENAH R-1712 TYPE A. OPEN LIDS IN NON-PAVED AREAS SHALL BE NEENAH R-4340B. FOR CURB STRUCTURES USE A NEENAH R-3281 FRAME AND GRATE. LIDS SHALL BE STAMPED "STORM", "SANITARY" OR "WATER". SANITARY LIDS SHALL BE PROVIDED WITH A T SEAL AND CONCEALED PICK HOLE. ALL CASTINGS SHALL COMPLY WITH THE CURRENT VILLAGE OF VERNON HILLS APPROVED CASTINGS LIST.
- LIGHT POLES SHOWN FOR COORDINATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL SIZE. SEE PLANS BY SITE LIGHTING CONSULTANT FOR SITE LIGHTING INFORMATION.
- UNDERDRAINS LOCATED WITHIN LANDSCAPED PARKING ISLANDS SHALL BE 4-INCH PVC PERFORATED SDR-26 FILTER WRAPPED PIPE. DRAINAGE PIPE SHALL HAVE A MINIMUM OF 4-INCHES OF CA-7 CRUSHED LESTONESTONE AGGREGATE ON ALL SIDES OF THE PIPE. WHERE DRAINAGE PIPE RUNS UNDER PAVEMENT, PIPE SHALL BE 4-INCH NON-PERFORATED PVC SDR-21. THE SUBGRADE OF EACH PARKING LOT ISLAND SHALL BE SLOPED TO EACH DRAINAGE PIPE AT A MINIMUM OF 2-PERCENT.
- ALL SANITARY MANHOLE AND VALVE VAULT FRAMES SHALL BE INSTALLED SUCH THAT THE BURY LINE IS ABOVE THE BOTTOM FLANGE OF THE FRAME AND NO PORTION OF THE EXTERNAL CHIMNEY SEAL IS EXPOSED.
- FIRE HYDRANT SHALL BE INSTALLED SO THAT THERE ARE NO OBSTRUCTIONS (SIGNAGE, LIGHTING AND LANDSCAPE) COORDINATE IN THE FIELD. INSTALL HYDRANT TO MEET VILLAGE OF VERNON HILLS ENGINEERING SPECIFICATIONS.

**UTILITY CROSSING**

C17 EX. 24" ST BIP 671.50'  
8" SAN TIP 671.35'

ST 5-1 5' CB W F&O L RIM 681.20 IE 675.70 W IE 672.18 NE	ST 5-6 4' MH W F&O L RIM 692.00 IE 687.60
ST 5-2 5' MH W F&O L RIM 687.30 IE 681.70 W IE 678.15 NE	ST 5-7 4' MH W F&O L RIM 694.00 IE 689.00
ST 5-3 5' MH W F&O L RIM 689.70 IE 655.05 W IE 652.24 NE	ST 5-8 4' MH W F&O L RIM 690.00 IE 685.73
ST 5-4 5' MH W F&O L RIM 693.50 IE 686.26	ST 5-9 4' MH W F&O L RIM 690.00 IE 685.25
ST 5-5 5' MH W F&O L RIM 692.20 IE 687.33	FES 5-1 36" FLARED END SECTION IE 672.00



REVISIONS			
NO.	DATE	DESCRIPTION	
1	05-12-14	PER VERNON HILLS	
2	06-27-14	PER VERNON HILLS	

PROJECT NO. 10068.MNRD	DESIGNED BY RMW
FILE NAME C5.2 UTL 10068	DRAWN BY NRS
ORIGINAL ISSUE DATE 03-14-14	CHECKED BY JRB
SCALE 1"=50'	PROJECT MANAGER JRB

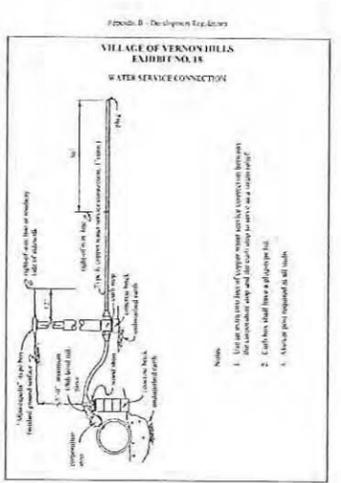
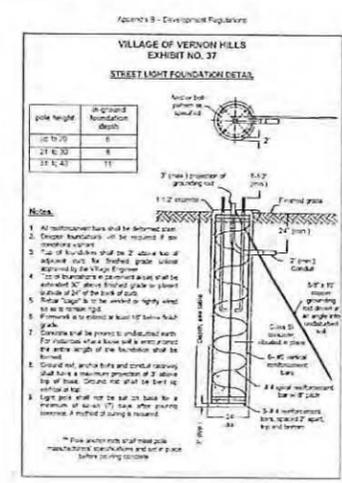
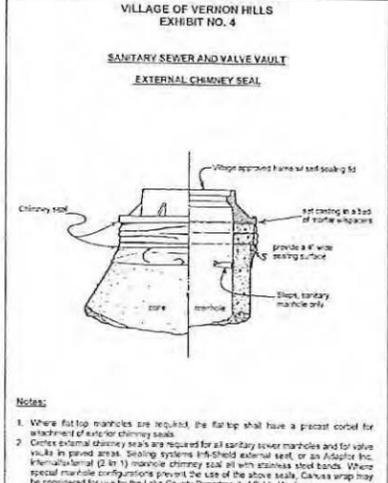
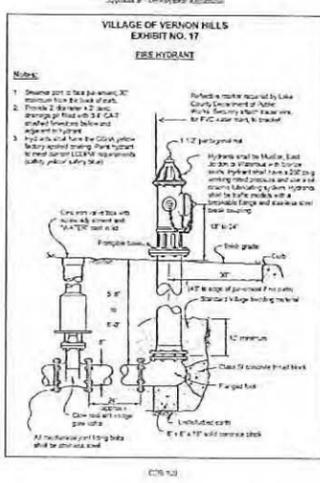
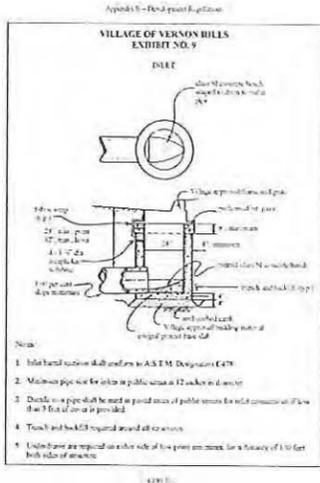
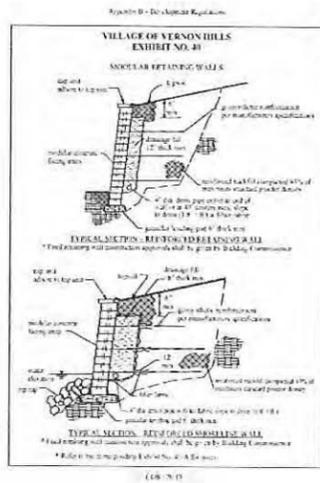
**MENARDS**  
1860 N. MILWAUKEE AVE.  
VERNON HILLS  
ILLINOIS

UTILITY PLAN - SOUTH  
**C5.2**  
DRAWING NO.

V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

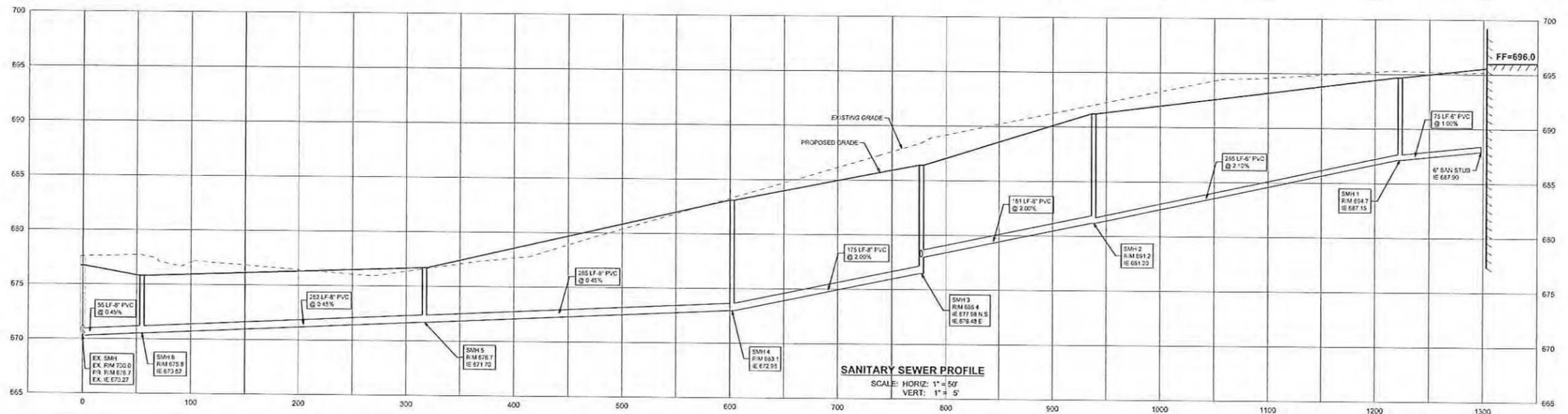
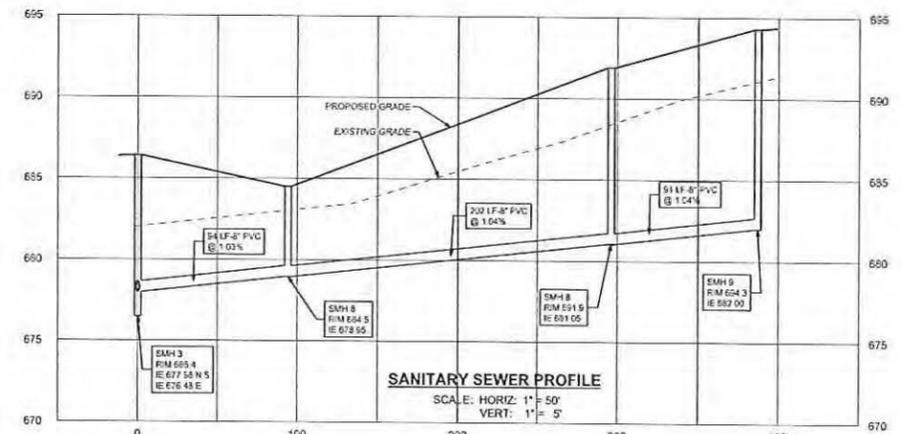
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\*SEE SHEET C-1 FOR ADDITIONAL HYDRANT NOTES\*

\*INTERNAL CHIMNEY SEAL NOT ALLOWED\*



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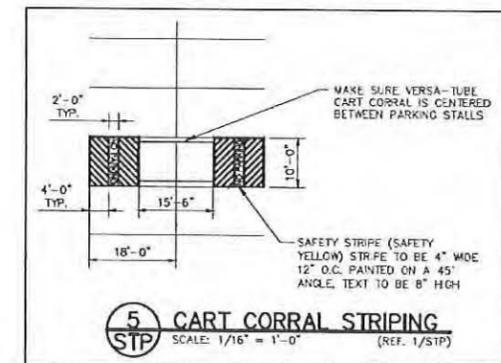
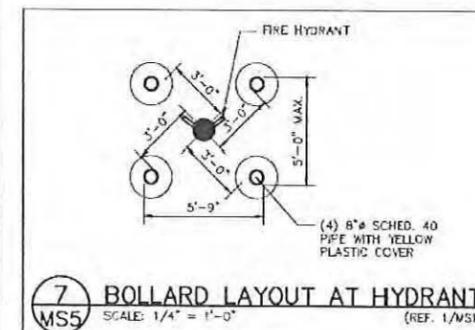
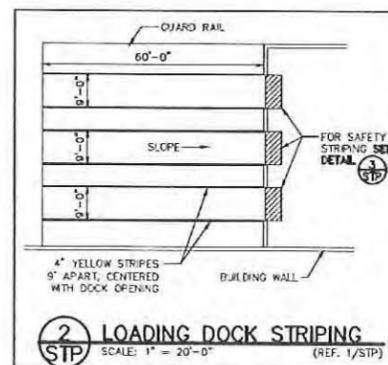
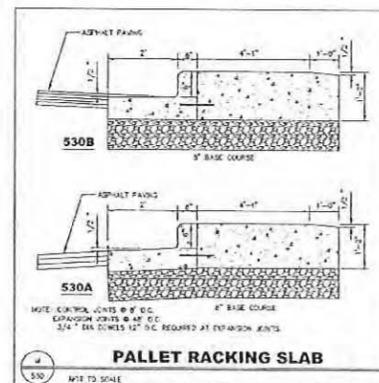
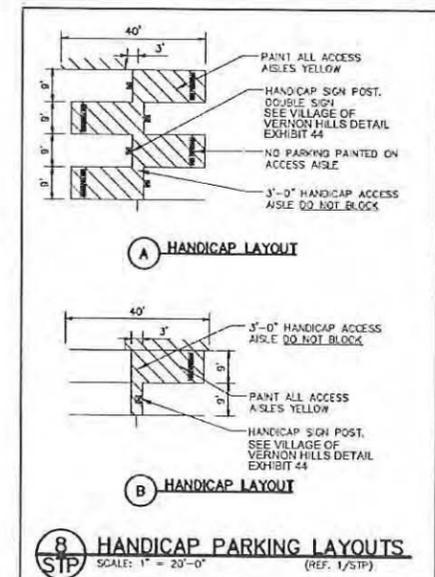
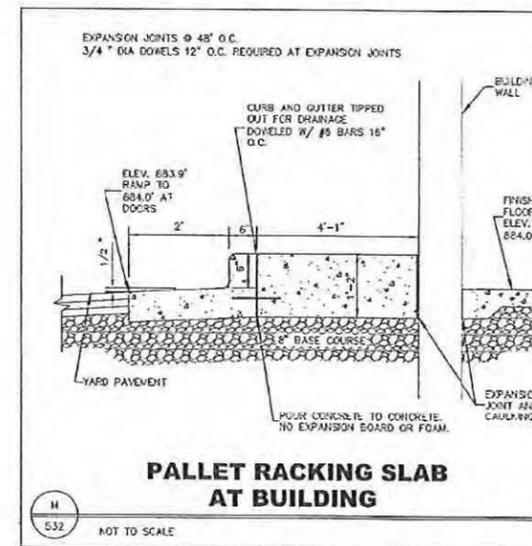
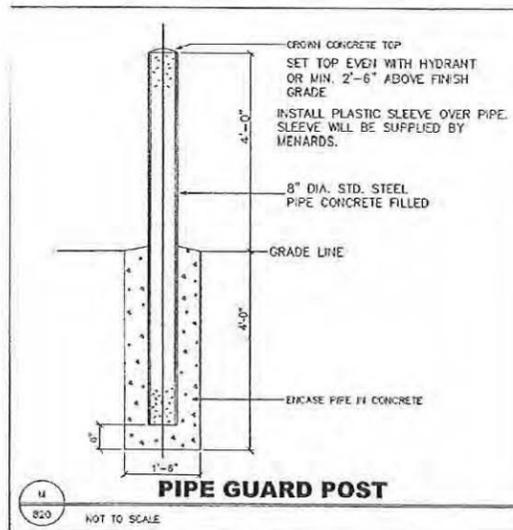
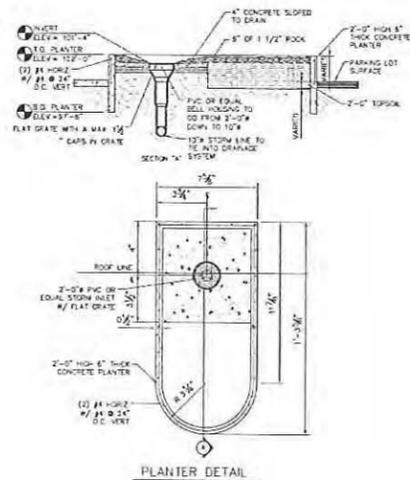
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2	06-27-14	PER VERNON HILLS			

PROJECT NO:	10068.MNRD	DESIGNED BY:	RMW
FILE NAME:	C6.1.DET	DRAWN BY:	NRS
ORIGINAL ISSUE DATE:	03-14-14	CHECKED BY:	JRB
SCALE:	AS NOTED	PROJECT MANAGER:	JRB

MENARDS  
1860 N. MILWAUKEE AVE.  
ILLINOIS  
VERNON HILLS

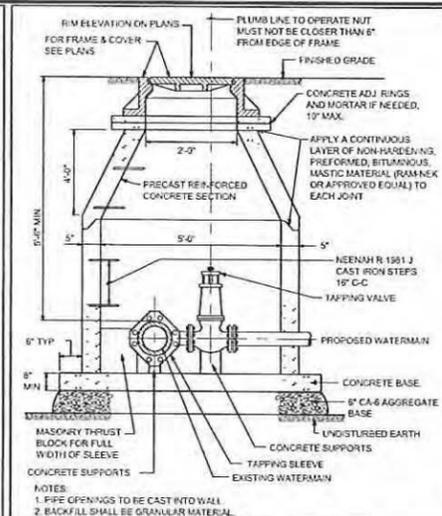
CONSTRUCTION DETAILS AND  
SANITARY SEWER PROFILES

DRAWING NO.  
**C6.1**

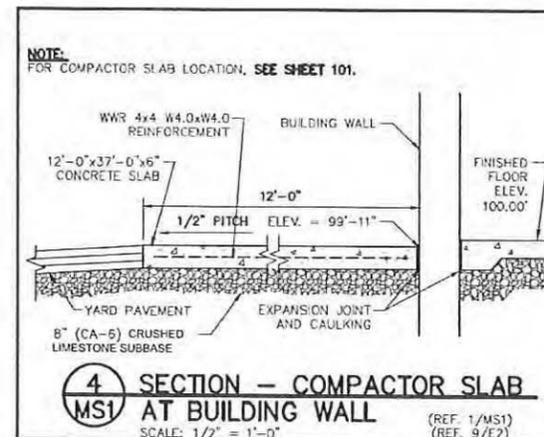


ACCESSIBLE PARKING SIGN WITH \$250 FINE SIGN MUTCD R7-8, 12"x15" IL STD. R7-1101, 12"x4"

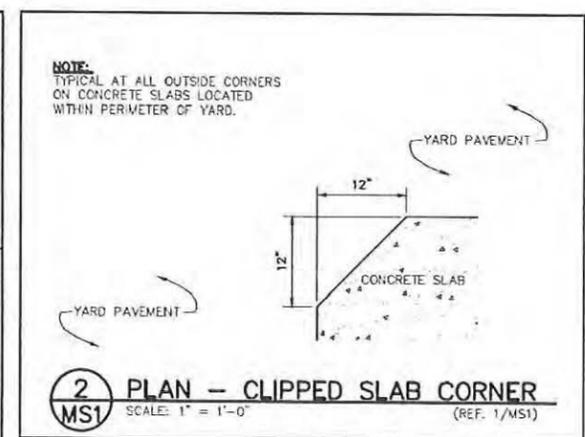
ACCESSIBLE PARKING SIGN



TYPICAL PRESSURE CONNECTION



4 SECTION - COMPACTOR SLAB AT BUILDING WALL (REF. 1/MS1) (REF. 9/E2) SCALE: 1/2" = 1'-0"



2 PLAN - CLIPPED SLAB CORNER (REF. 1/MS1) (REF. 1/MS1) SCALE: 1" = 1'-0"



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630.724.9202 fax  
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REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	05-12-14	PER VERNON HILLS			
2	06-27-14	PER VERNON HILLS			

PROJECT NO. 10068.MNRD  
DESIGNED BY: RMW  
FILE NAME: C6.2 DET10068  
DRAWN BY: NRS  
ORIGINAL ISSUE DATE: 03-14-14  
CHECKED BY: JRB  
SCALE: NTS  
PROJECT MANAGER: JRB

MENARDS  
1860 N. MILWAUKEE AVE.

VERNON HILLS

ILLINOIS

CONSTRUCTION DETAILS

DRAWING NO. C6.2

# FINAL ENGINEERING PLANS FOR MILWAUKEE AVENUE IMPROVEMENTS FOR MENARDS VERNON HILLS, ILLINOIS

RECEIVED

JUN 27 2014

COMMUNITY DEVELOPMENT  
DEPARTMENT

**INDEX OF DRAWINGS**

TITLE SHEET

C1.0 GENERAL NOTES, LEGEND AND ABBREVIATIONS

C2.0 EXISTING CONDITIONS AND DEMOLITION

C3.0 LAYOUT AND PAVING PLAN

C4.0 GRADING AND EROSION CONTROL PLAN

C5.0 UTILITY PLAN

C6.0 CONSTRUCTION DETAILS

C6.1 CONSTRUCTION DETAILS

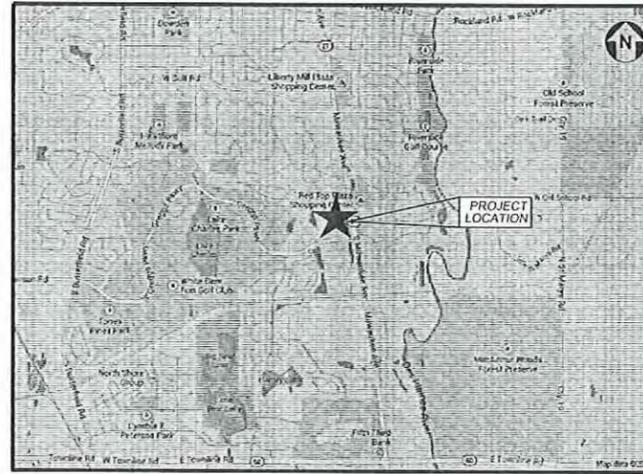
**PROJECT TEAM**

OWNER

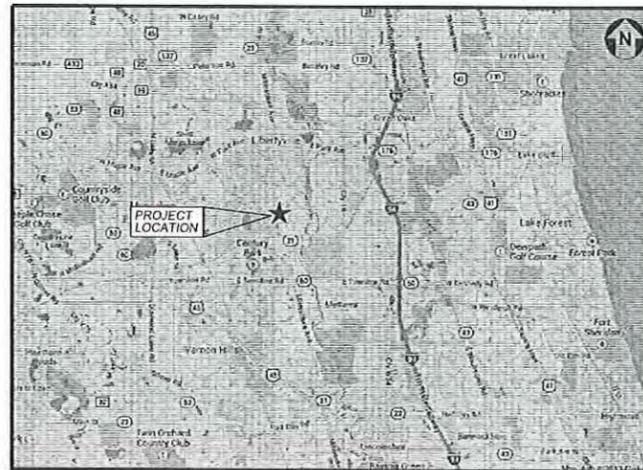
Menards, Inc.  
5101 Menard Drive  
Eau Clair, WI 54703-9625  
715-876-6213  
Contact: Jim Carlson

ENGINEER

V3 Companies  
7325 Janes Avenue  
Woodridge, Illinois 60517  
630 724 9200 voice  
630 724 9202 fax  
Project Manager: John Brown, P.E.  
Project Engineer: Martin Iwanicki, P.E.



**LOCATION MAP**  
NO SCALE



**VICINITY MAP**  
NO SCALE

**BENCHMARKS**

STATION DESIGNATION: SBM#1  
ESTABLISHED BY: SMITH ENGINEERING CONSULTANTS, INC.

ELEVATION: 693.45 (PUBLISHED AND HELD)  
DATUM: NAVD88  
DESCRIPTION:  
CUT "X" IN THE EAST NOSE OF A CONCRETE CURB ISLAND LOCATED ALONG THE CENTERLINE OF GREG'S PARKWAY AND APPROXIMATELY 803 FEET WEST OF THE CENTERLINE OF ROUTE 21.

STATION DESIGNATION: SBM#2  
ESTABLISHED BY: V3 COMPANIES

ELEVATION: 682.39 (MEASURED)  
DATUM: NAVD88  
DESCRIPTION:  
WEST EDGE OF LIGHT STANDARD LOCATED ON THE EAST SIDE OF ROUTE 21 AND NORTH OF THE ENTRANCE TO SITE.

**PROFESSIONAL ENGINEER'S CERTIFICATION**

I, JOHN R. BROWN, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THIS SUBMISSION WAS PREPARED ON BEHALF OF MENARDS BY V3 COMPANIES UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D., 2014.

ILLINOIS LICENSED PROFESSIONAL ENGINEER: 062-050103  
MY LICENSE EXPIRES ON NOVEMBER 30, 2015

ILLINOIS LICENSED DESIGN FIRM NO. 184-000902

**REVISIONS**

NO.	DATE	DESCRIPTION	SHEETS REVISED	REV BY
1	05-12-14	PER VERNON HILLS		
2	06-27-14	PER VERNON HILLS		

ORIGINAL ISSUE DATE: MARCH 14, 2014



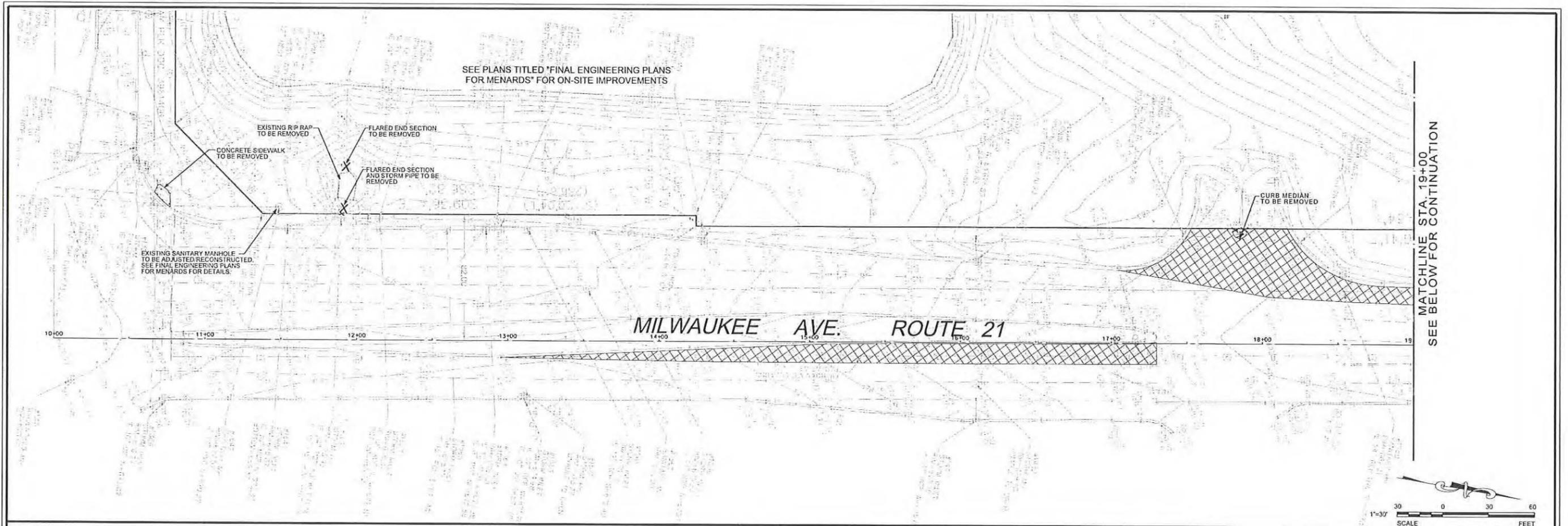
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Woodridge, IL 60517  
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630.724.9202 fax  
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for  
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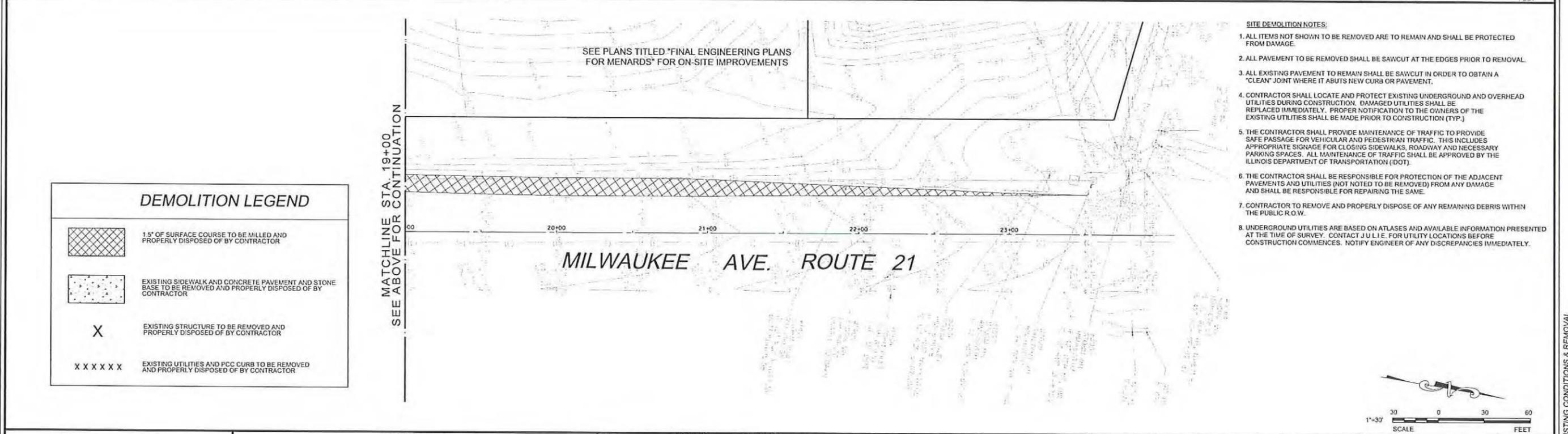
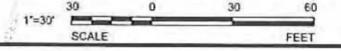




SEE PLANS TITLED "FINAL ENGINEERING PLANS FOR MENARDS" FOR ON-SITE IMPROVEMENTS

MATCHLINE STA. 19+00  
SEE BELOW FOR CONTINUATION

MILWAUKEE AVE. ROUTE 21



SEE PLANS TITLED "FINAL ENGINEERING PLANS FOR MENARDS" FOR ON-SITE IMPROVEMENTS

MATCHLINE STA. 19+00  
SEE ABOVE FOR CONTINUATION

MILWAUKEE AVE. ROUTE 21

- SITE DEMOLITION NOTES:**
1. ALL ITEMS NOT SHOWN TO BE REMOVED ARE TO REMAIN AND SHALL BE PROTECTED FROM DAMAGE.
  2. ALL PAVEMENT TO BE REMOVED SHALL BE SAWCUT AT THE EDGES PRIOR TO REMOVAL.
  3. ALL EXISTING PAVEMENT TO REMAIN SHALL BE SAWCUT IN ORDER TO OBTAIN A "CLEAN" JOINT WHERE IT ABUTS NEW CURB OR PAVEMENT.
  4. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. DAMAGED UTILITIES SHALL BE REPLACED IMMEDIATELY. PROPER NOTIFICATION TO THE OWNERS OF THE EXISTING UTILITIES SHALL BE MADE PRIOR TO CONSTRUCTION (TYP.)
  5. THE CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC TO PROVIDE SAFE PASSAGE FOR VEHICULAR AND PEDESTRIAN TRAFFIC. THIS INCLUDES APPROPRIATE SIGNAGE FOR CLOSING SIDEWALKS, ROADWAY AND NECESSARY PARKING SPACES. ALL MAINTENANCE OF TRAFFIC SHALL BE APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT).
  6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE ADJACENT PAVEMENTS AND UTILITIES (NOT NOTED TO BE REMOVED) FROM ANY DAMAGE AND SHALL BE RESPONSIBLE FOR REPAIRING THE SAME.
  7. CONTRACTOR TO REMOVE AND PROPERLY DISPOSE OF ANY REMAINING DEBRIS WITHIN THE PUBLIC R.O.W.
  8. UNDERGROUND UTILITIES ARE BASED ON ATLASES AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTACT J.U.L.I.E. FOR UTILITY LOCATIONS BEFORE CONSTRUCTION COMMENCES. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.



**DEMOLITION LEGEND**

-  1.5" OF SURFACE COURSE TO BE MILLED AND PROPERLY DISPOSED OF BY CONTRACTOR
-  EXISTING SIDEWALK AND CONCRETE PAVEMENT AND STONE BASE TO BE REMOVED AND PROPERLY DISPOSED OF BY CONTRACTOR
-  EXISTING STRUCTURE TO BE REMOVED AND PROPERLY DISPOSED OF BY CONTRACTOR
-  EXISTING UTILITIES AND PCC CURB TO BE REMOVED AND PROPERLY DISPOSED OF BY CONTRACTOR

**REVISIONS**

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	05-12-14	PER VERNON HILLS			
2	06-27-14	PER VERNON HILLS			

SEAL:

PROJECT NO.:	DESIGNED BY:
10068 OFF SITE	MBI
FILE NAME:	DRAWN BY:
C2.0 ECP	NRS
ORIGINAL ISSUE DATE:	CHECKED BY:
03-14-14	JRB
SCALE:	PROJECT MANAGER:
1"=30'	JRB

**MILWAUKEE AVENUE IMPROVEMENTS FOR MENARDS**  
VERNON HILLS ILLINOIS

**EXISTING CONDITIONS AND DEMOLITION**

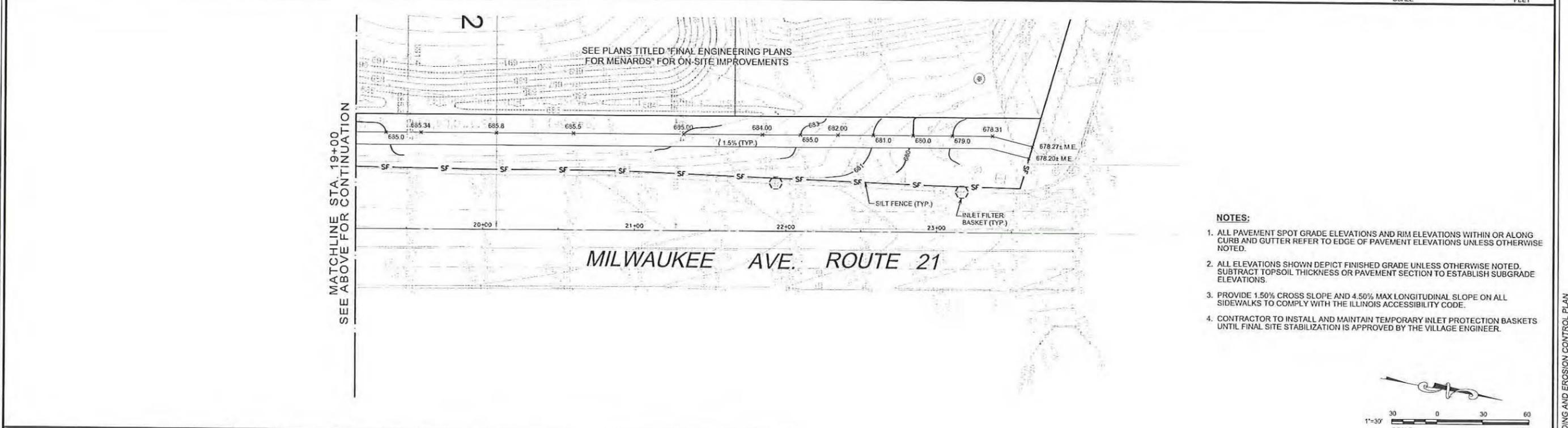
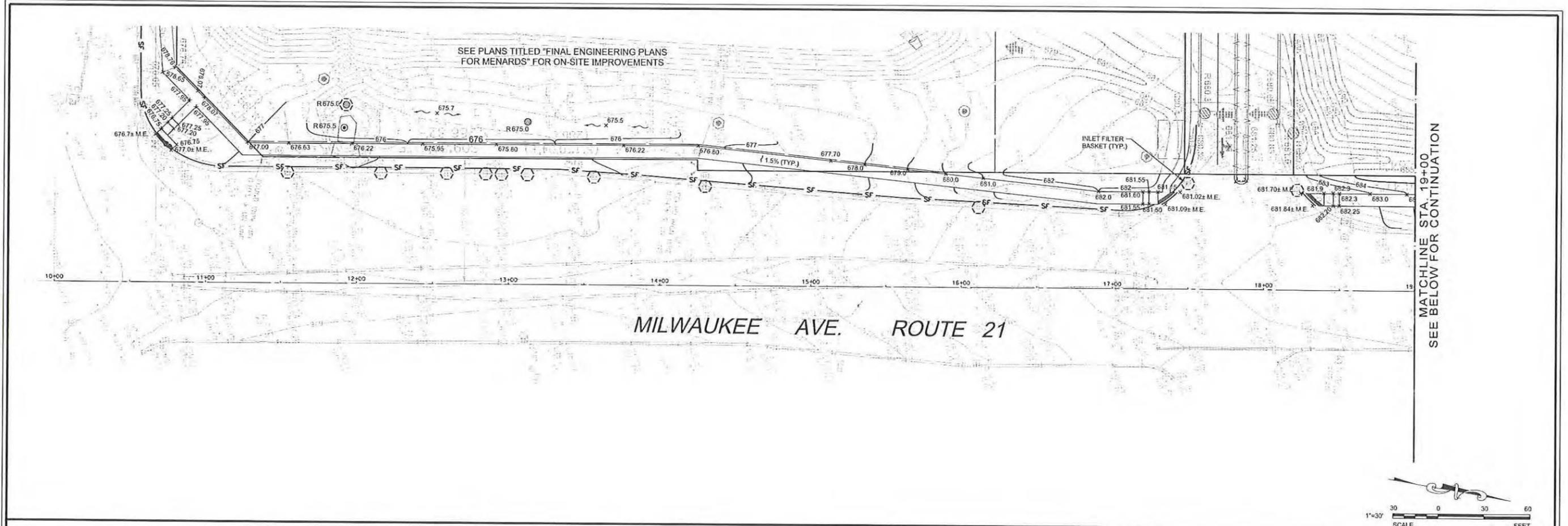
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10068 OFFSITE - EXISTING CONDITIONS & REMOVAL





- NOTES:**
1. ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
  2. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. SUBTRACT TOPSOIL THICKNESS OR PAVEMENT SECTION TO ESTABLISH SUBGRADE ELEVATIONS.
  3. PROVIDE 1.50% CROSS SLOPE AND 4.50% MAX LONGITUDINAL SLOPE ON ALL SIDEWALKS TO COMPLY WITH THE ILLINOIS ACCESSIBILITY CODE.
  4. CONTRACTOR TO INSTALL AND MAINTAIN TEMPORARY INLET PROTECTION BASKETS UNTIL FINAL SITE STABILIZATION IS APPROVED BY THE VILLAGE ENGINEER.

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REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2	06-27-14	PER VERNON HILLS			

SEAL

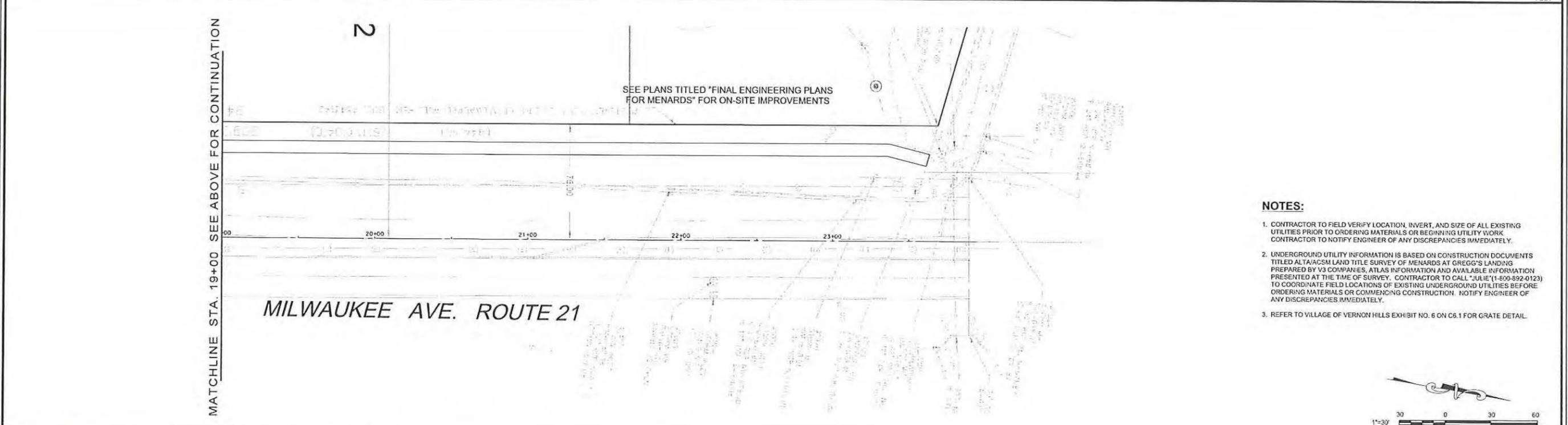
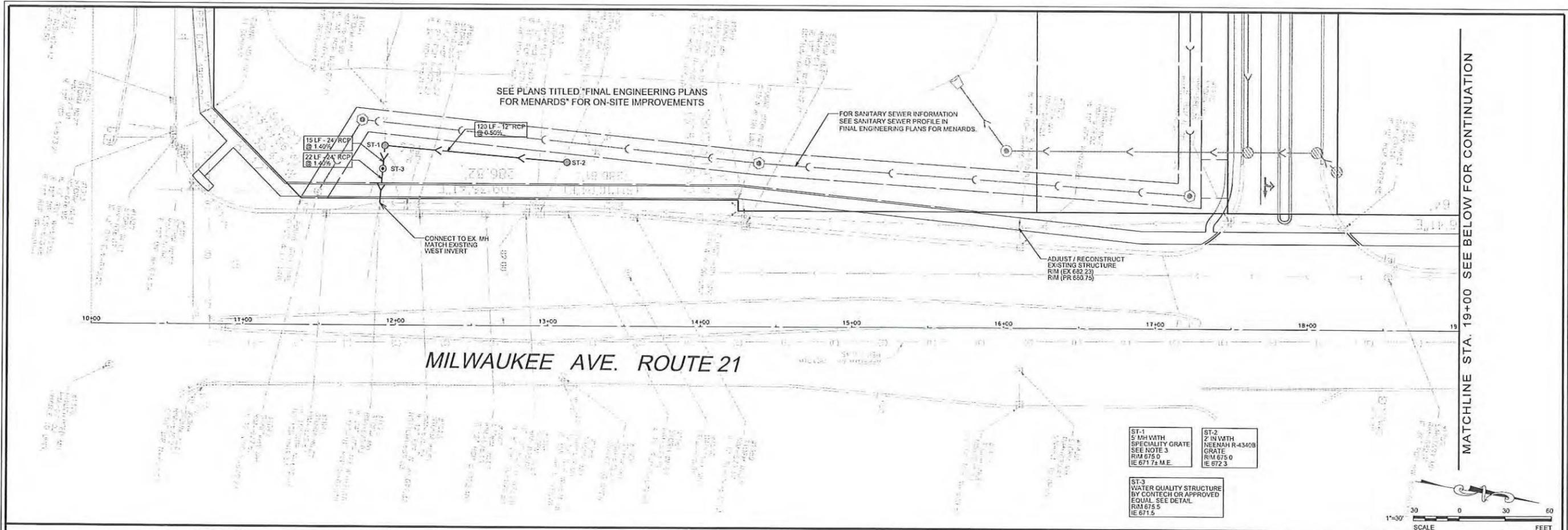
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10068 OFF SITE  
FILE NAME  
C4.0 GRD  
ORIGINAL ISSUE DATE  
03-14-14  
SCALE  
1"=30'

DESIGNED BY  
MBI  
DRAWN BY  
NRS  
CHECKED BY  
JRB  
PROJECT MANAGER  
JRB

**MILWAUKEE AVENUE IMPROVEMENTS FOR MENARDS**

**GRADING AND EROSION CONTROL PLAN**

DRAWING NO.  
**C4.0**

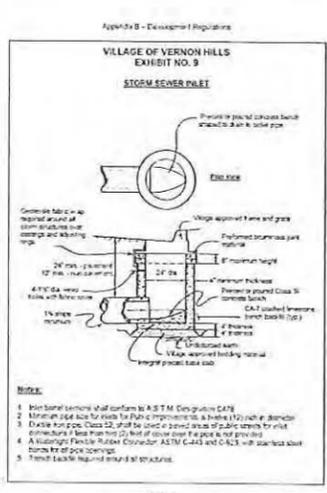
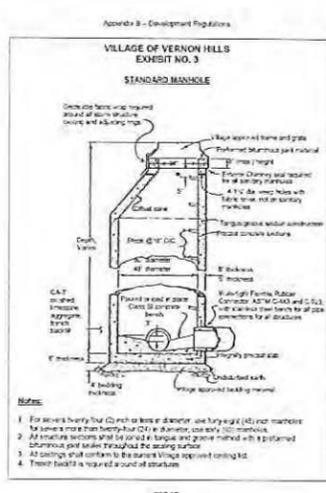
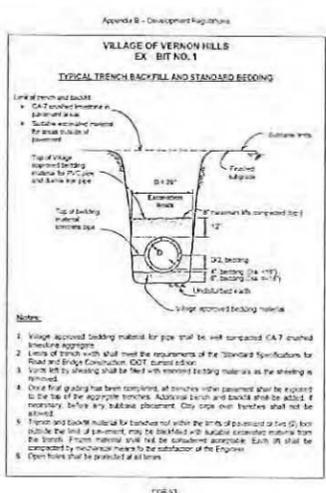
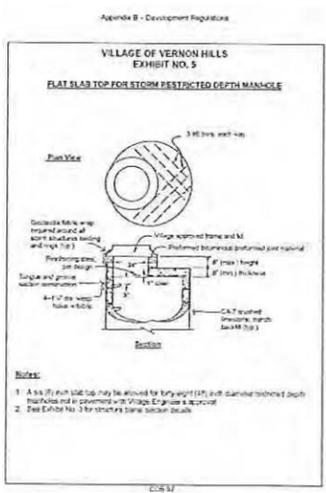
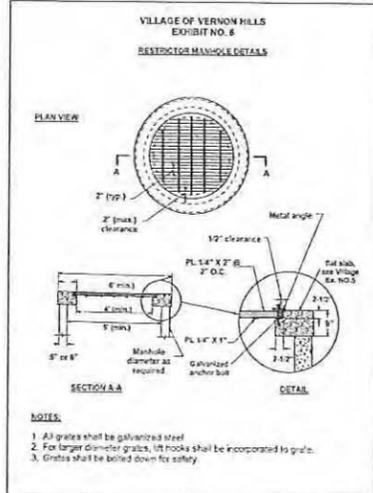


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  - UNDERGROUND UTILITY INFORMATION IS BASED ON CONSTRUCTION DOCUMENTS TITLED ALTA/ACSM LAND TITLE SURVEY OF MENARDS AT GREGG'S LANDING PREPARED BY V3 COMPANIES, ATLAS INFORMATION AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR TO CALL "JULIE" (1-800-892-0123) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
  - REFER TO VILLAGE OF VERNON HILLS EXHIBIT NO. 6 ON C6.1 FOR GRATE DETAIL.

<p>V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com</p>	<p align="center"><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>05-12-14</td> <td>FER VERNON HILLS</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>06-27-14</td> <td>FER VERNON HILLS</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION	1	05-12-14	FER VERNON HILLS				2	06-27-14	FER VERNON HILLS				<p>PROJECT NO. 10068 OFF SITE</p> <p>FILE NAME C5.0 Util</p> <p>ORIGINAL ISSUE DATE 03-14-14</p> <p>SCALE 1"=30"</p>	<p>DESIGNED BY: MBI</p> <p>DRAWN BY: NRS</p> <p>CHECKED BY: JRB</p> <p>PROJECT MANAGER: JRB</p>	<p align="center"><b>MILWAUKEE AVENUE IMPROVEMENTS FOR MENARDS</b></p> <p>VERNON HILLS ILLINOIS</p>	<p align="center"><b>UTILITY PLAN</b></p>	<p>DRAWING NO. <b>C5.0</b></p>
	NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION																					
1	05-12-14	FER VERNON HILLS																									
2	06-27-14	FER VERNON HILLS																									
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10068 OFFSITE - UTILITY PLAN





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NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
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2	05-27-14	FER VERNON HILLS			

PROJECT NO:  
10068 OFF SITE

DESIGNED BY:  
MBI

FILE NAME:  
C6.1 Det

DRAWN BY:  
NRS

ORIGINAL ISSUE DATE:  
03-14-14

CHECKED BY:  
JRB

SCALE:  
N.T.S.

PROJECT MANAGER:  
JRB

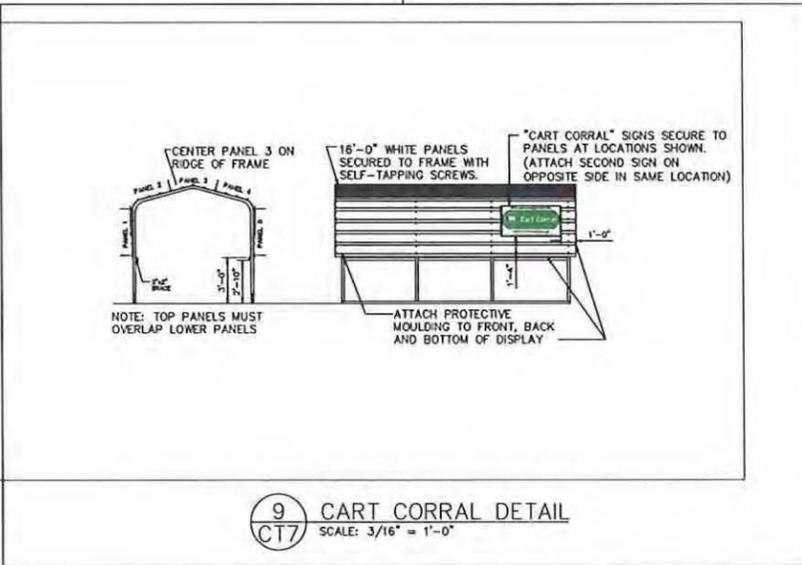
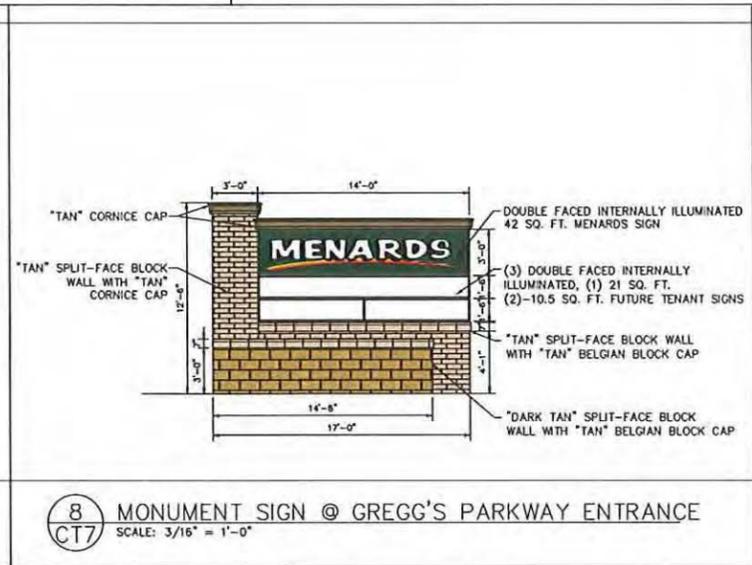
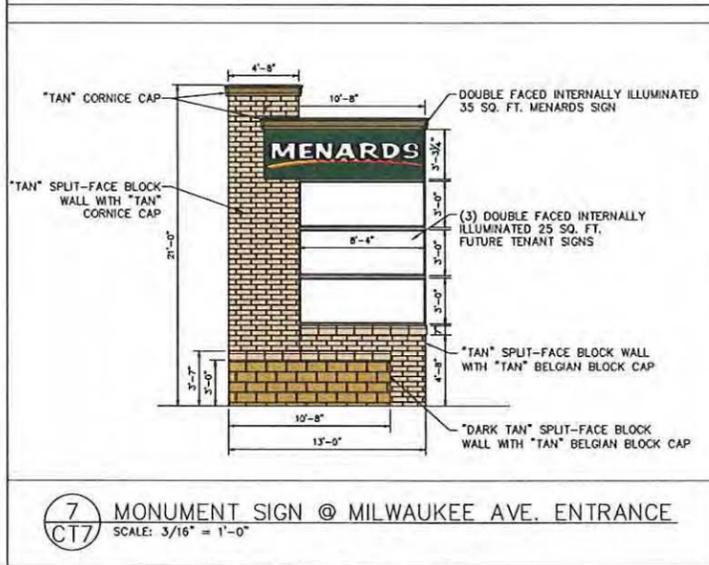
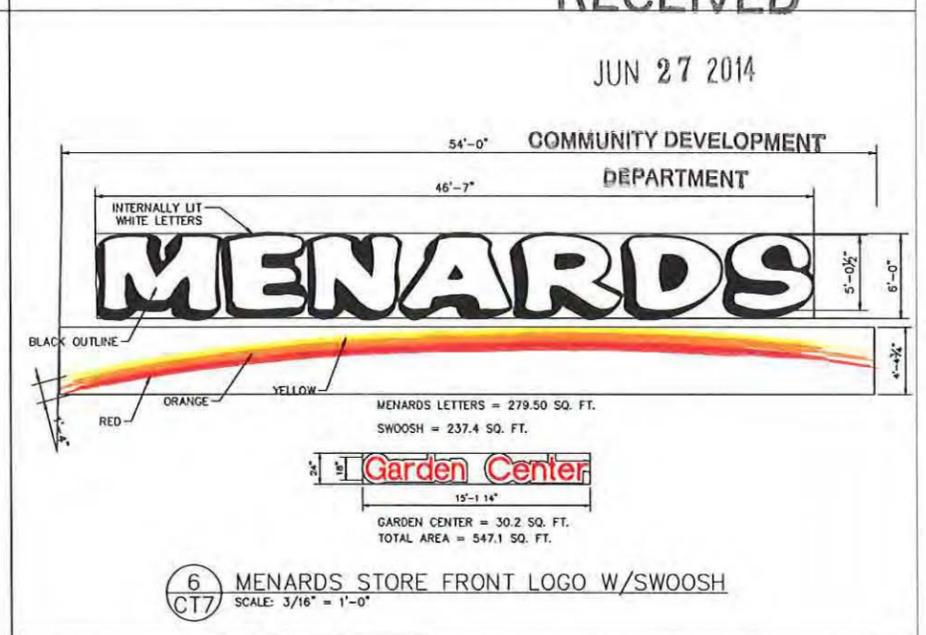
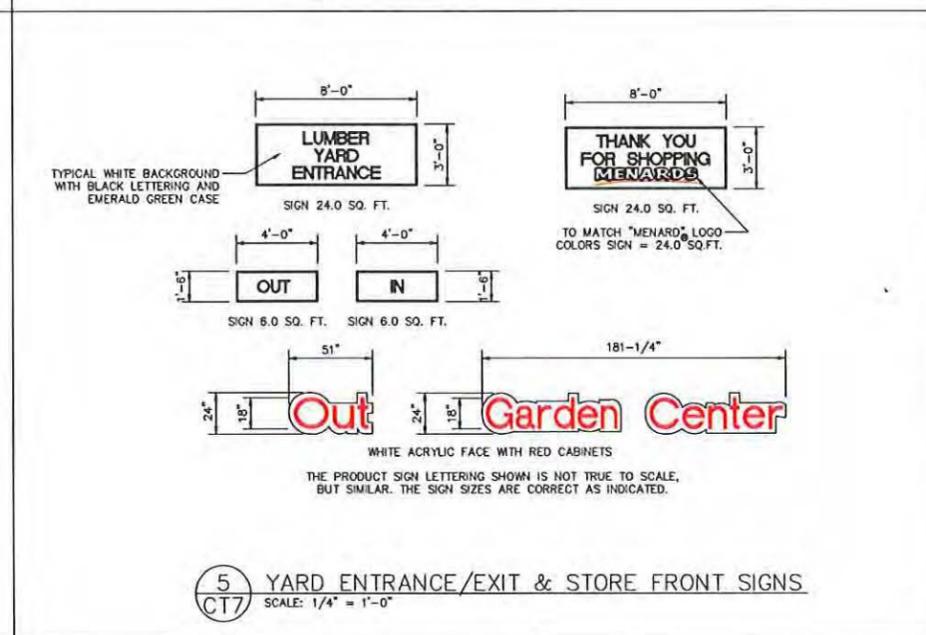
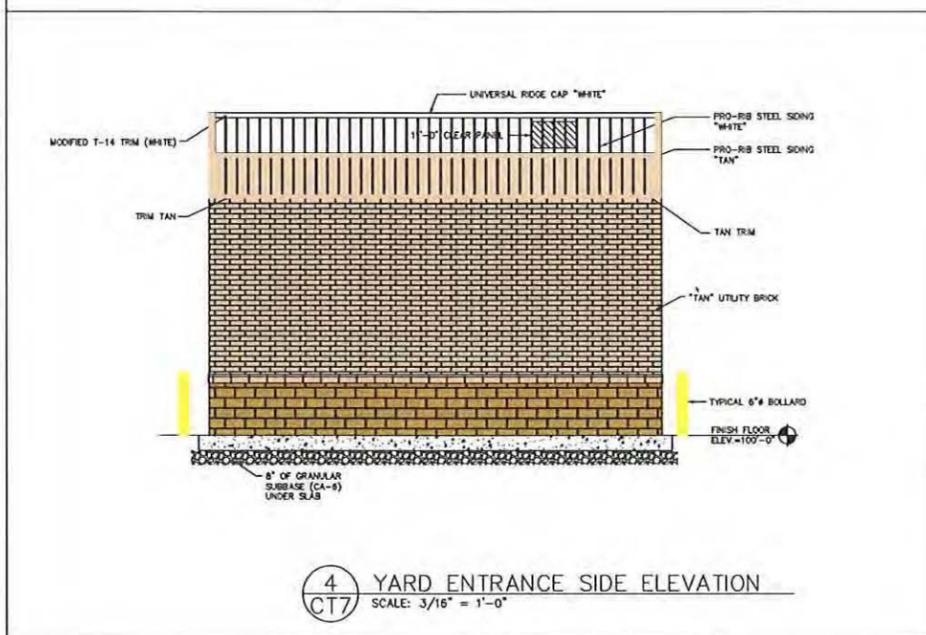
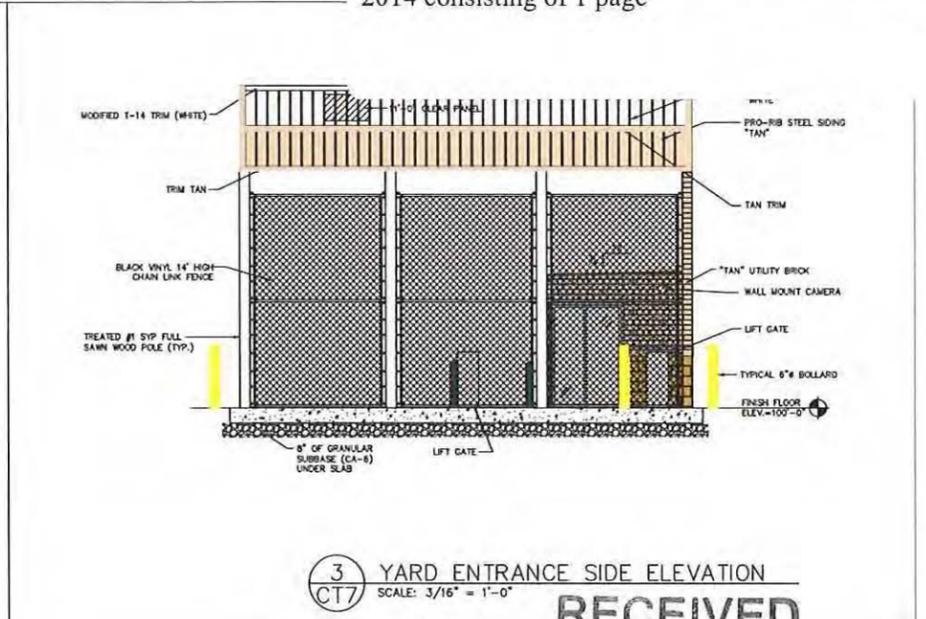
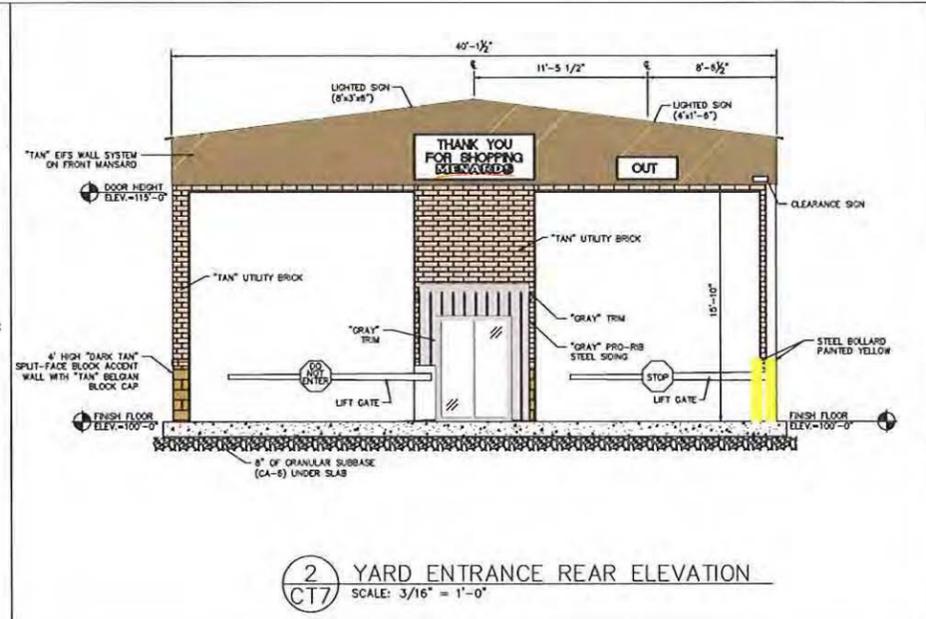
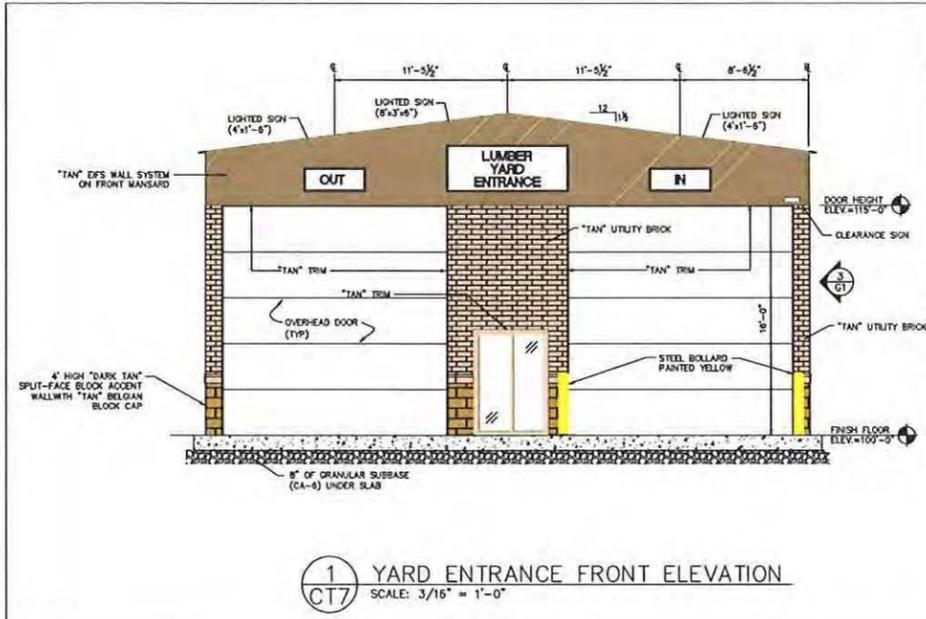
MILWAUKEE AVENUE IMPROVEMENTS  
FOR MENARDS

VERNON HILLS  
ILLINOIS

CONSTRUCTION DETAILS

DRAWING NO.  
C6.1

10068 OFF SITE - CONSTRUCTION DETAILS



SIGN LEGEND

QTY	DESCRIPTION	HEIGHT	LENGTH	SQ. FT.
1	MENARDS	6'-0"	46'-7"	279.5
1	SWOOSH	1'-4"	54'-0"	72.0
1	Out	2'-0"	4'-3"	8.5
1	Garden Center	2'-0"	15'-1 1/4"	30.2
1	LUMBER YARD ENTRANCE	3'-0"	8'-0"	24.0
1	THANK YOU FOR SHOPPING	3'-0"	8'-0"	24.0
2	OUT	1'-6"	4'-0"	12.0
1	IN	1'-6"	4'-0"	6.0

TOTAL SQ. FOOTAGE = 456.20

**MENARDS**  
Vernon Hills, Illinois  
Yard Entrance, Cart Corral and Signage Plan  
May 09, 2014  
Scale: as noted CT7

RECEIVED

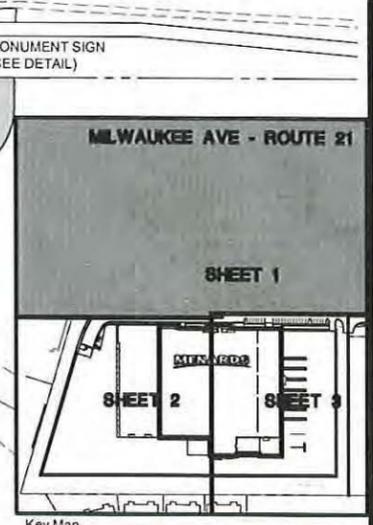
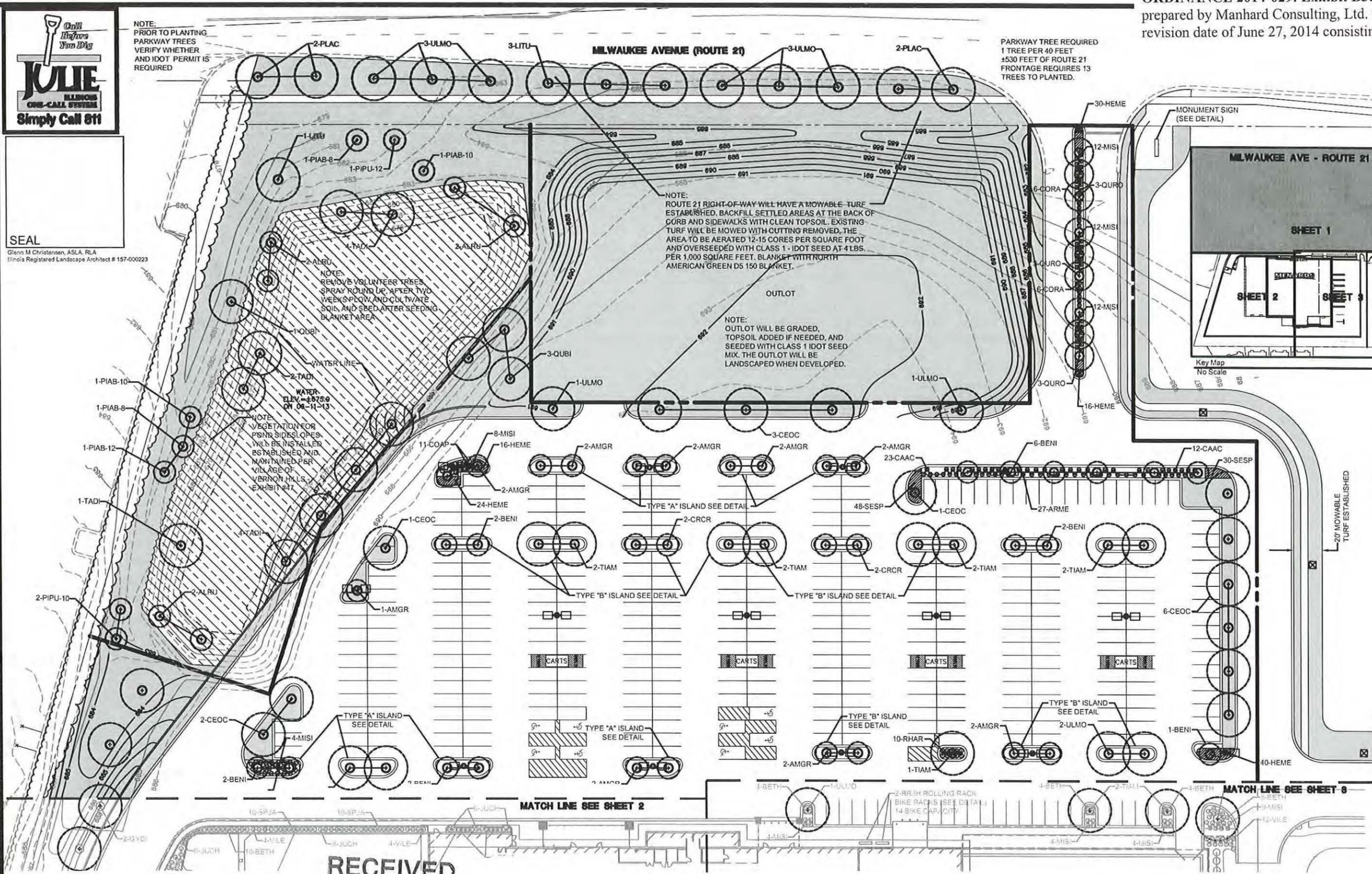
JUN 27 2014

COMMUNITY DEVELOPMENT DEPARTMENT



NOTE:  
PRIOR TO PLANTING  
PARKWAY TREES  
VERIFY WHETHER  
AND IDOT PERMIT IS  
REQUIRED

SEAL  
Glenn M. Christensen, A.S.L.A., R.L.A.  
Illinois Registered Landscape Architect # 157-000223



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PROPOSED MENARDS - 1860 NORTH MILWAUKEE  
VILLAGE OF VERNON HILLS, IL  
EAST-LANDSCAPE-PLAN

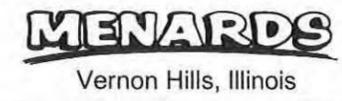
East Section Landscape Plan  
Scale:

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JUN 27 2014  
COMMUNITY DEVELOPMENT  
DEPARTMENT

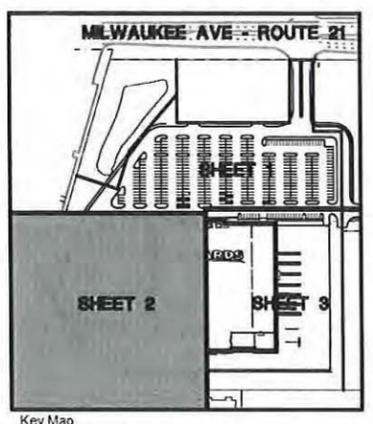
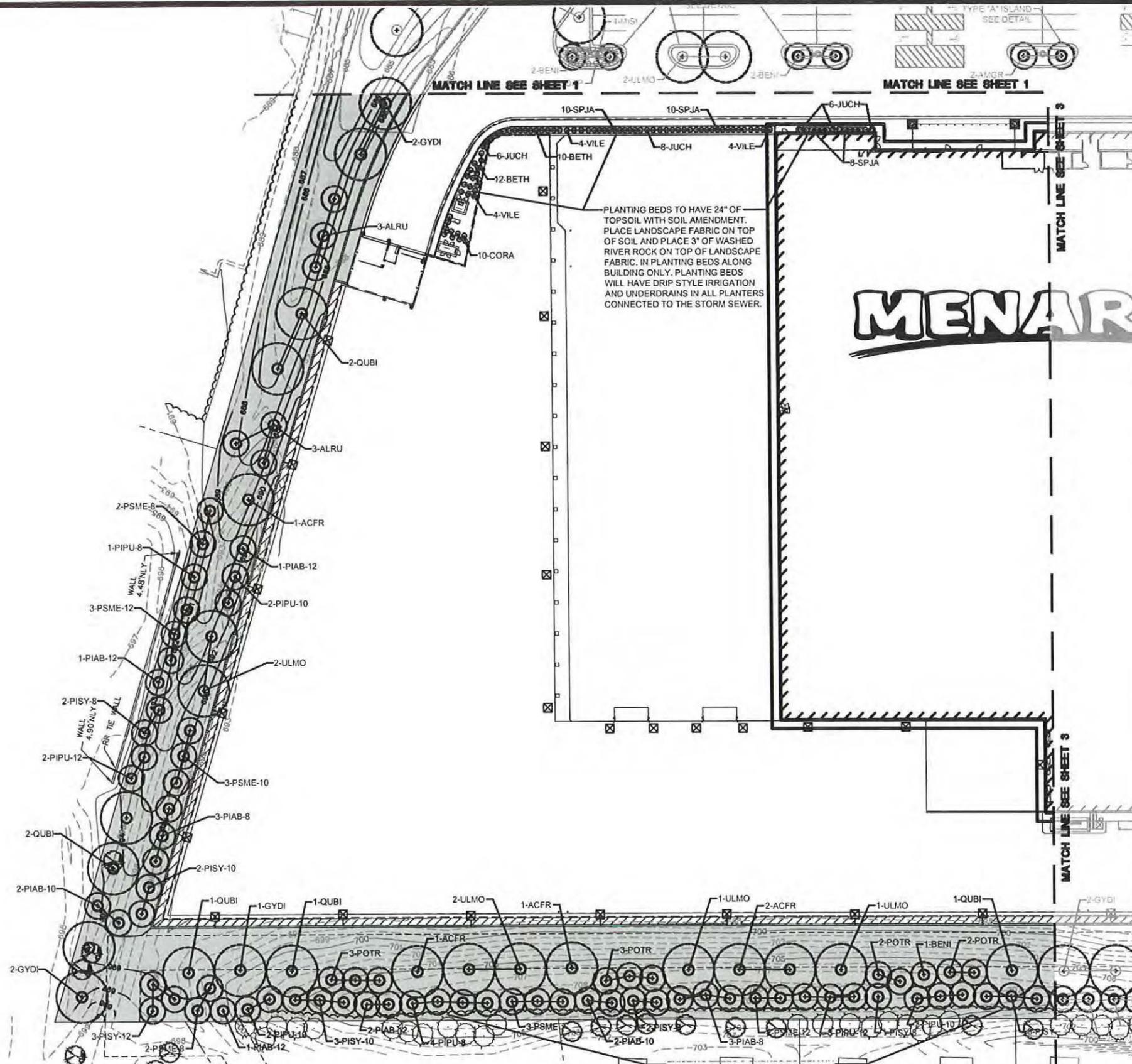
NOTE:  
SEE PLANT LIST ON SHEET 2

- Legend
- TURF AREA
  - MESIC COMMUNITY SEEDING - PER VILLAGE OF VERNON HILLS EXHIBIT #47 (SEE DETAIL SHEET)

1" = 30'-0"



SHEET  
**1** OF **6**  
MESH 130439



Key Map  
No Scale

Preliminary Plant List

Key	Quantity	Name - COMMON Botanical	Size	Comments	Native
ACT	8	MARMO MAPLE Acer x Freemanii Marmol	3' BB		Variety of Native
ACM	15	GREEN COLUMN BLACK MAPLE Acer nigrum 'Greencolumn'	1' BB		Variety of Native
ALRU	12	SPECKLED ALDER Alnus rugosa	8' BB		Native
AMGR	17	AUTUMN BRILLIANCE SERVICEBERRY Amelanchier grandiflora Autumn Brilliance	6' BB		Variety of Native
ARWE	91	BLACK CHOCHEBERRY Aronia melanocarpa 'Elate'	3'		Native
BEN	16	RIVER BIRCH Betula nigra	8-10' BB	3 stem dumps	Native
BETH	42	ROSE GLOW BARBERRY Berberis thunbergii 'Rose Glow'	18" x 45 Container	Planted 3'0" on center	
CAAG	151	KARL FOERSTER FEATHER REED GRASS Calamagrostis andersonii Karl Foerster	#3 Container	Planted 3'0" on center	
CEOG	11	COMMON HACKBERRY Celtis occidentalis	3' BB		Native
COAP	232	CRANBERRY COCONUTS Crotoneaster aculeata	24" #1 Container	Planted 3'0" on center	
CORA	36	GRAY DOGWOOD Cornus racemosa	3'	Planted 4'0" on center	Native
CROR	4	THORNLESS CRUSGALL HAWTHORN Crataegus crusgalli nemis	2-10' BB		Variety of Native
FOVO	36	NORTHERN GOLD FORSYTH Forsythia Northern Gold	3'	Planted 1'0" on center	
GYDI	19	KENTUCKY COFFEETREE Gymnocladia dioica	1' BB		Native
HME	225	HAPPY RETURNS DAYLILY Hemerocallis Happy Returns	#2 Container	Planted 2'0" on center	
JUCH	34	GREEN SARGENT JUNPER Juniperus chinensis sargentii 'Vidal'	18" x 45 Container	Planted 3'0" on center	
LITU	8	TULIP TREE Liriodendron tulipifera	3' BB		Native
MSA	125	PURPLE FLAME GRASS Miscanthus sinensis 'Purpureascens'	#3 Container	Planted 3'0" on center	
PAB-8	19	NORWAY SPRUCE Picea abies	8' BB		
PAB-11	8	NORWAY SPRUCE Picea abies	10' BB		
PAB-12	7	NORWAY SPRUCE Picea abies	12' BB		
PIA-8	12	GREEN COLORADO SPRUCE Picea pungens	8' BB		
PIA-10	12	GREEN COLORADO SPRUCE Picea pungens	10' BB		
PIA-12	13	GREEN COLORADO SPRUCE Picea pungens	12' BB		
PSY-8	10	SCOTCH PINE Pinus sylvestris	8' BB		
PSY-10	7	SCOTCH PINE Pinus sylvestris	10' BB		
PSY-12	12	SCOTCH PINE Pinus sylvestris	12' BB		
PLAC	4	BLOODGOOD LONDON PLANETREE Platanus acerifolia 'Bloodgood'	3' BB		
POTR	17	QUAKING ASPEN Populus tremuloides	3' BB		Native
PSME-8	10	DOUGLAS FIR Pseudotsuga menziesii	8' BB		
PSME-10	9	DOUGLAS FIR Pseudotsuga menziesii	10' BB		
PSME-12	11	DOUGLAS FIR Pseudotsuga menziesii	12' BB		
QUBI	12	SWAMP WHITE OAK Quercus bicolor	1' BB		
QURO	15	COLUMNAR ENGLISH OAK Quercus robur 'Fastigiata'	1' BB		
RVAR	274	GRO LOW FRAGRANT SUMAG Rhus aromatica 'Gro Low'	18" x 45 Container	Planted 3'0" on center	Variety of Native
SESP	113	AUTUMN JOY SEDUM Sedum spectabile Autumn Joy	#2 Container	Planted 3'0" on center	
SPJA	28	LITTLE PRINCESS SPirea Spirea japonica 'Little Princess'	18" x 45 Container	Planted 3'0" on center	
TADI	8	COMMON BALDOPRESS Taxodium distichum	1' BB		
THOC	21	TECHNY ARBORVITAE Thuja occidentalis 'Techny'	8' BB		
TIAM	11	REDMOND LINEN Tilia americana 'Redmond'	1' BB		Variety of Native
ULMO	26	ACQUADE ELM Ulmus 'Mortini'	1' BB		Variety of Native
VILE	24	MANHATTAN VIBURNUM Viburnum lentago	3'	Planted 4'0" on center	Native

Northwest Section Landscape Plan

Scale:

1" = 30'-0"



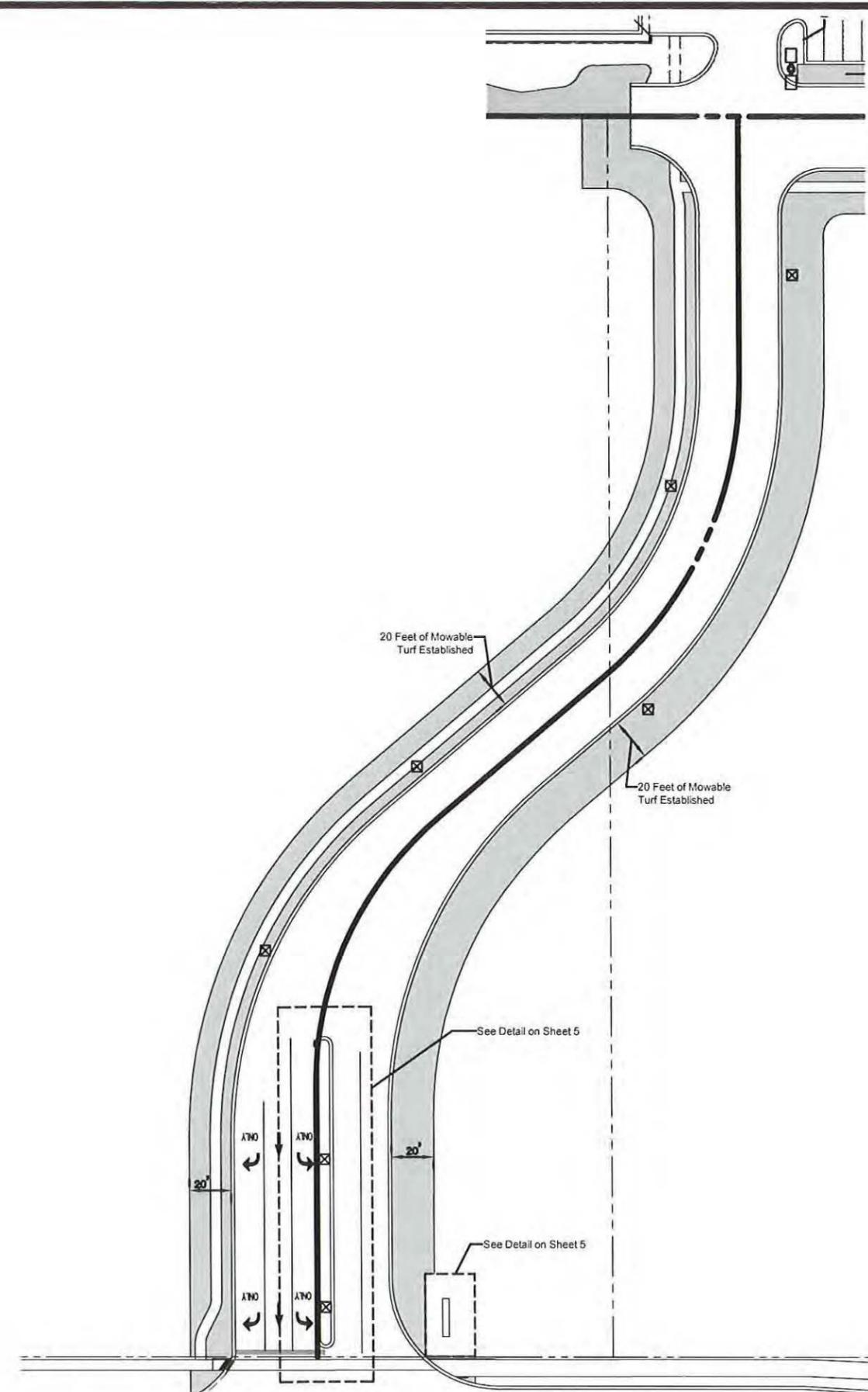
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PROPOSED MENARDS - 1860 NORTH MILWAUKEE  
 VILLAGE OF VERNON HILLS, IL  
 NORTH-LANDSCAPE-PLAN

SHEET  
**2** OF 6  
 M2VH 130438





Access Road Detail  
Scale:

1" = 30'-0"



**ROLLING RACK**  
The gentle design and rigidity of the Dero Rolling Rack...  
DERO

**Specifications and Space Use**

**Product:** Dero Rolling Rack  
**Capacity:** 4000 lbs  
**Material:** 304 Stainless Steel  
**Finish:** Powder Coat  
**Installation:** See detail on sheet 5  
**Notes:** 1. The roller shall be installed on a concrete base... 2. The roller shall be installed on a concrete base... 3. The roller shall be installed on a concrete base...

**VILLAGE OF VERNON HILLS - VILLAGE EXHIBIT #47**

**MESIC COMMUNITY (SEEDS)**  
(N.W.L. to top of slope) 4:1 Slope. See Typical Planting Section

**A. BED PREPARATION**  
Existing vegetative growth should be removed or killed with an approved herbicide (Rodeo). Till surface of seedbed to 2"-4" and till as close as possible to waterline. Lightly compact soil with roller, cut-packer, or similar implement. Omit tilling if using a no-till seed drill.

**B SEEDING**  
Specified seed or equal shall be refrigerated for at least 90 days prior to installation. The seed must be of wild ecotype. No hybrids or cultivars may be included. Mix seed with an equal volume of coarse sand, vermiculite or oats. Seed mixes shall contain at least 70% of the species listed and no one species shall constitute more than 10% of the total seed mix by weight. Any deviation from the plant list is to be submitted to the Village for review and approval prior to installation. Broadcast seeds evenly either by hand or no-till seeder, cyclone spreader, or shoulder mount spreader. Spread seed in different directions to cover evenly. If not included in seed mix, plant nurse crop of seed oats at 40 lbs/acre with seed mix. Roll seed into soil to 1/4" depth with cut-packer or similar implement.  
No seeding should occur until N.W.L. is reached and sustained within Detention Pond.

**C. SEEDING DATES**  
May 15 - June 30  
July 1 - October 31 (irrigation twice per week for 60 days)  
November 1 - December 1 (dormant seeding)

**D. FABRIC INSTALLATION**  
Install erosion control blanket, North American Green SC 250 or equal along N.W.L., 6' 5" width, 1/2" width or 3/25" below water and 1/2" width or 3/25" above water around perimeter of pond. Install North American green DS 75 from limits of SC250 to top of slope. Install as per manufacturer's guidelines. For exact locations, see Exhibit No. 47.

**ACCEPTANCE**  
**MESIC COMMUNITY (SEEDS)**  
At the beginning of the second growing season, the following conditions shall be met:  
**COVERAGE:** 25% of each plant community shall be covered with vegetation.  
**PRESENCE:** 40% of the species shall be alive and present.  
**ABUNDANCE:** 60% of the vegetation should be native species of the permanent matrix.

At the beginning of the third growing season, the following conditions shall be met:  
**COVERAGE:** 50% of each plant community shall be covered with vegetation.  
**PRESENCE:** 60% of the species shall be alive and present.  
**ABUNDANCE:** 80% of the vegetation should be native species of the permanent matrix.

**MAINTENANCE**  
**1ST YEAR:** Mow at 6" when the oats set seed heads. Mow again when competitive weeds are at 8"-12" in height. Cut back to 6" with flail type mower two or three times during the first season.  
**2nd YEAR:** Keep area mowed at 12" to control weed competition. Mow in late May and late June. Maintain goose barrier control for 2 years. Then remove fencing, lath, and monofilament.  
**3rd YEAR:** Prescribed/controlled burn the area in mid-Spring. If burning is not an option, mow again to control weeds but remove the clippings. Do not burn or mow after new plant growth has reached 1/2" or taller.

**LONG - TERM MANAGEMENT:** Employ the services of a qualified and licensed company to manage prairie plantings and control species deemed detrimental such as Purple Loosestrife, Canada Thistle, Reed Canary Grass, Queen Anne's Lace, Sweet Clover, Cattails, Common Teasel, Ragweeds, Buckthorn and Sandbar Willow.

**MESIC COMMUNITY - SEED MIX**

Grasses and Sedges	POUNDS/ACRE
Andropogon gerardii (Big Blue Stem)	3 000
Andropogon scoparius (Little Blue Stem)	3 000
Elymus Canadensis (Virginia Wild Rye)	0 188
Elymus virginicus (Virginia Wild Rye)	0 188
Panicum virgatum (Switchgrass)	0 250
Sorghastrum nutans (Indian Grass)	4 500
Avena sativa (Oats)	40 000
<b>Wildflowers</b>	
Aster laevis (Smooth Dull Aster)	0 125
Aster novae-angliae (New England Aster)	0 125
Baptisia leucantha (White Wild Indigo)	0 125
Coreopsis tripteris (Tail Coreopsis)	0 188
Echinacea purpurea (Purple Coneflower)	0 250
Eryngium yuccifolium (Rattlesnake Master)	0 250
Helianthus grosseserratus (Sawtooth Sunflower)	0 188
Helopsis helianthoides (Flare Sunflower)	0 188
Liatis aspera (Rough Blazing Star)	0 025
Monarda fistulosa (Wild Bergamot)	0 125
Petalostemum purpureum (Purple Prairie Clover)	0 188
Pycnanthemum virginianum (Mountain Mint)	0 016
Ratibida pinnata (Yellow Coneflower)	0 250
Rudbeckia hirta (Black-Eyed Susan)	0 188
Rudbeckia subtomentosa (Sweet Black-Eyed Susan)	0 18
Silphium laciniatum (Compass Plant)	0 125
Silphium terebinthinaceum (Prairie Dock)	0 063
Solidago rigida (Stiff Goldenrod)	0 125
Tradescantia virginiana (Spiderwort)	0 090
Vernonia fasciculata (Common Ironweed)	0 188
Veronicastrum virginicum (Culver's Root)	0 063
Zizia aurea (Heartleaved Alexander)	0 125

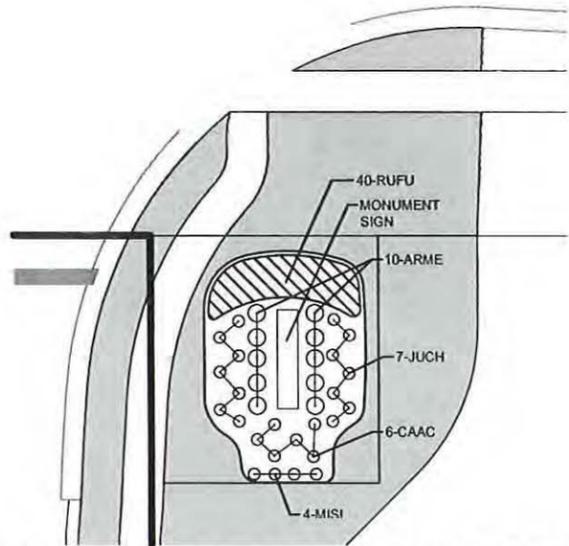
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**PROPOSED MENARDS - 1860 NORTH MILWAUKEE**  
**VILLAGE OF VERNON HILLS, IL**  
**LANDSCAPE-DETAILS**

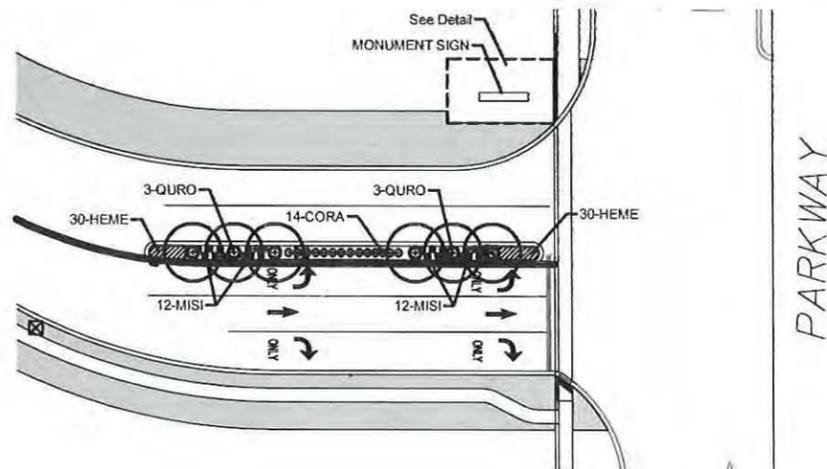
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 PROJ. ASSOC. 1860  
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SHEET  
**4 OF 6**  
 MPM 130438

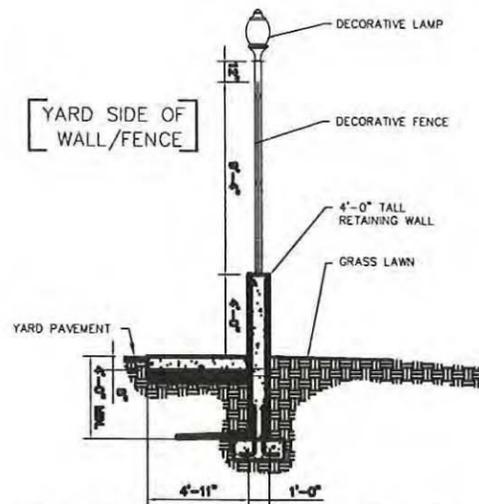




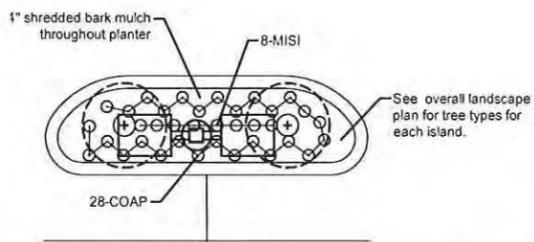
**MILWAUKEE AVENUE SIGN - PLANTING DETAIL**  
SCALE: 1" = 10'-0"



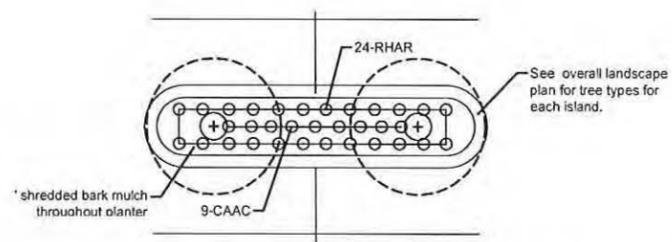
**GREGG'S PARKWAY ENTRY ISLAND - PLANTING DETAIL**  
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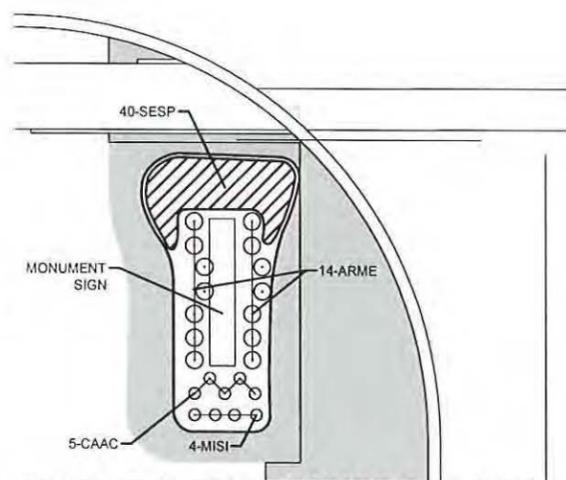
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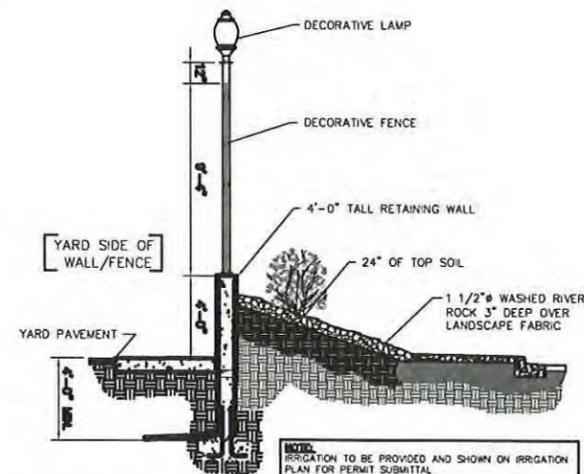
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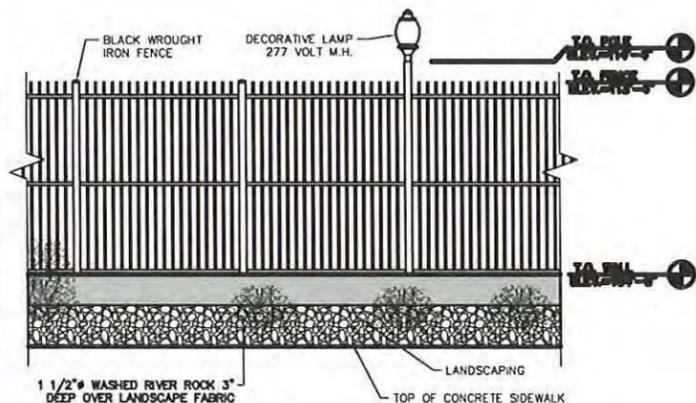
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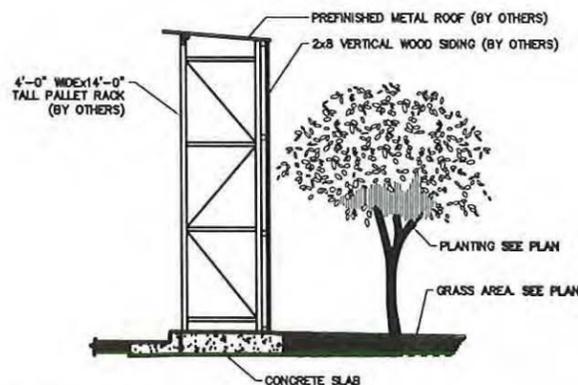
**GREGG'S PARKWAY MONUMENT SIGN - PLANTING DETAIL**  
SCALE: 1" = 10'-0"



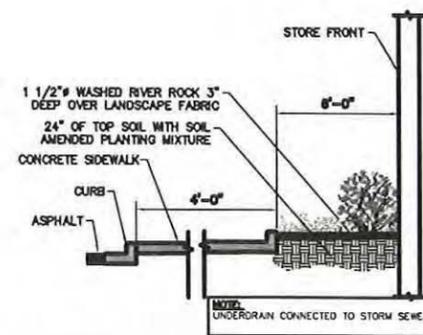
**GARDEN CENTER PLANTER SECTION**  
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**DECORATIVE FENCE ELEVATION**  
SCALE: 1/4" = 1'-0"

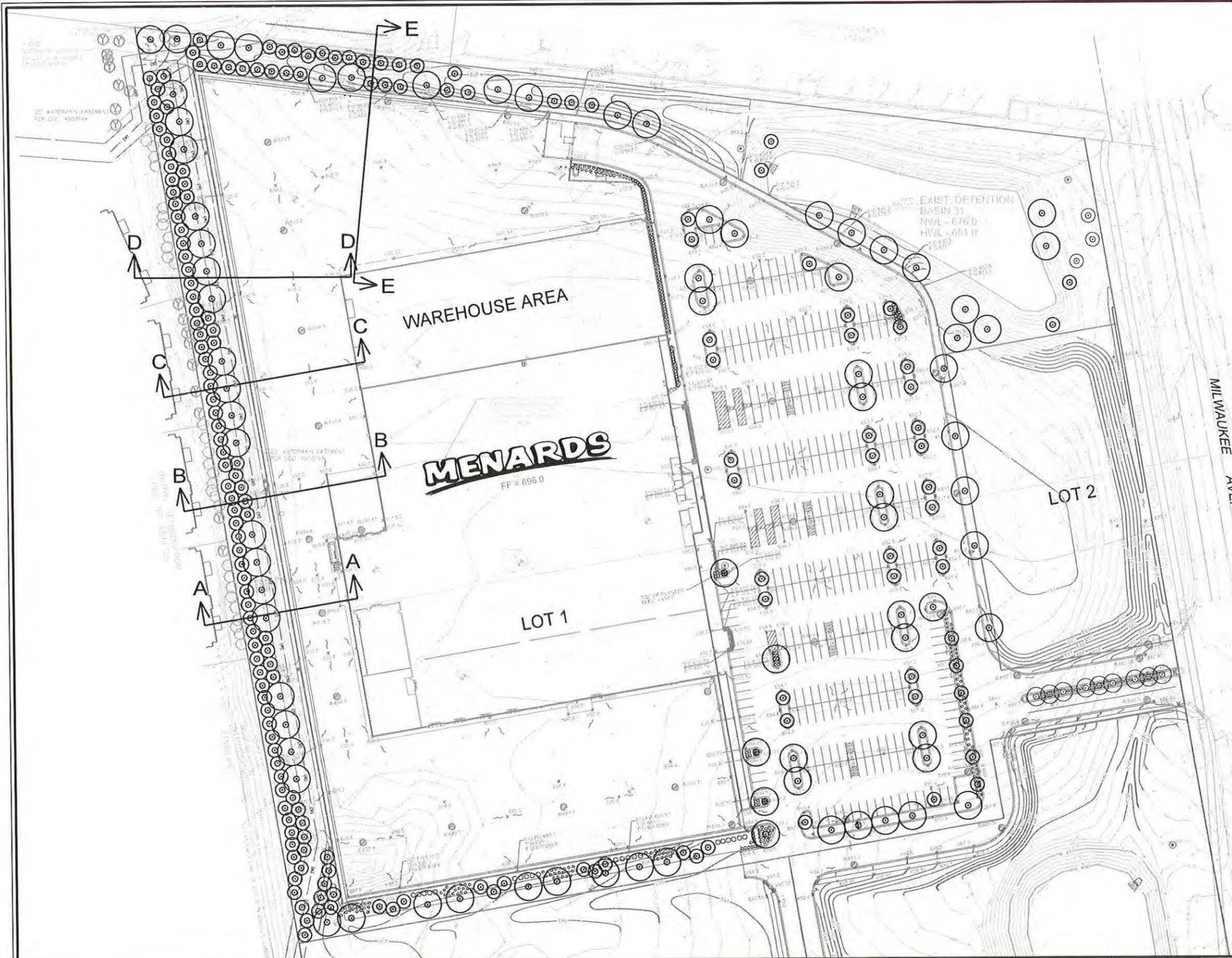


**SCREENING/PALLET RACKING DETAIL**  
SCALE: 1/4" = 1'-0"



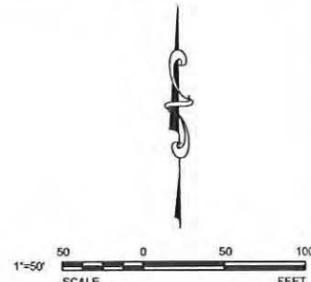
**FRONT PLANTER SECTION**  
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NOTES:  
 1. PROPOSED LANDSCAPE SHOWN PER PLANS  
 COMPLETED BY MANHARD CONSULTING LTD.  
 DATED 06/27/2014.

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REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	05-12-14	PER VERNON HILLS			
2	06-27-14	PER VERNON HILLS			

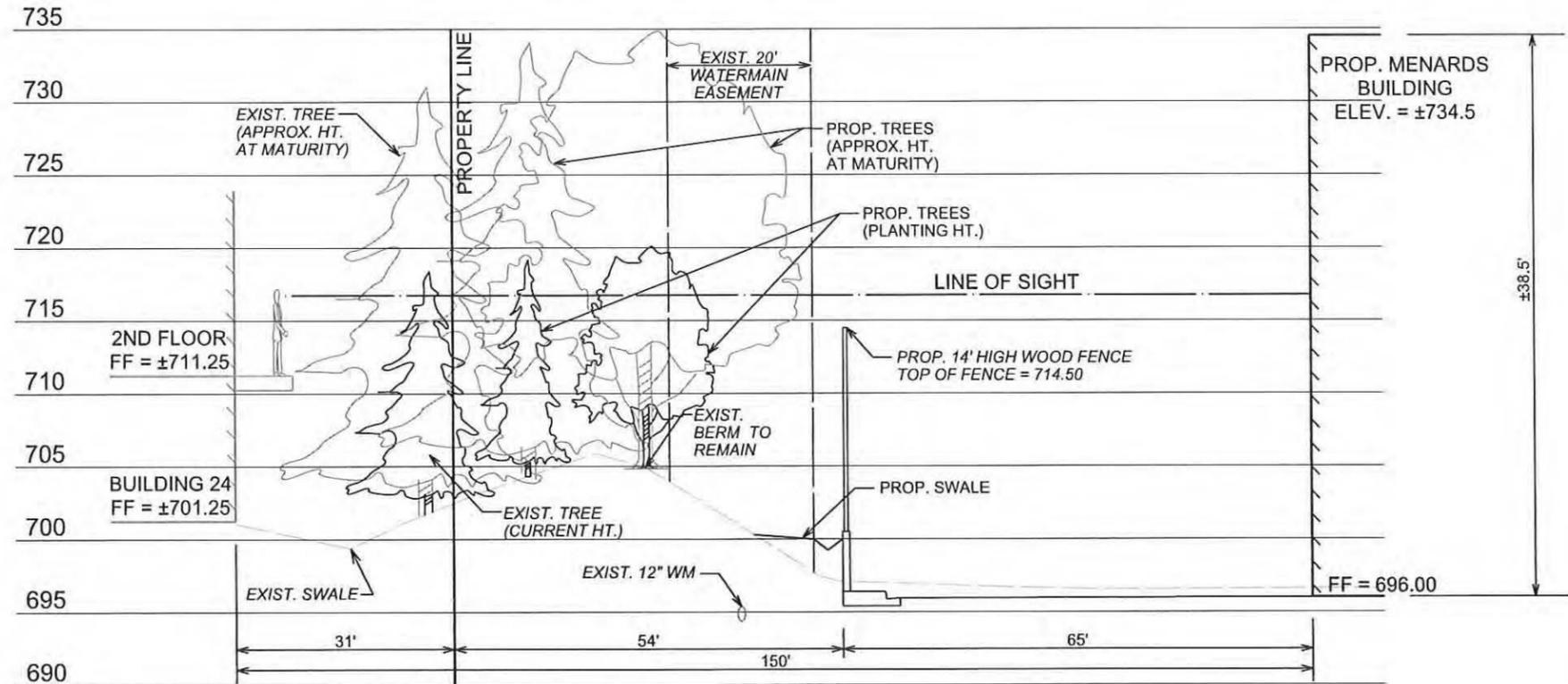
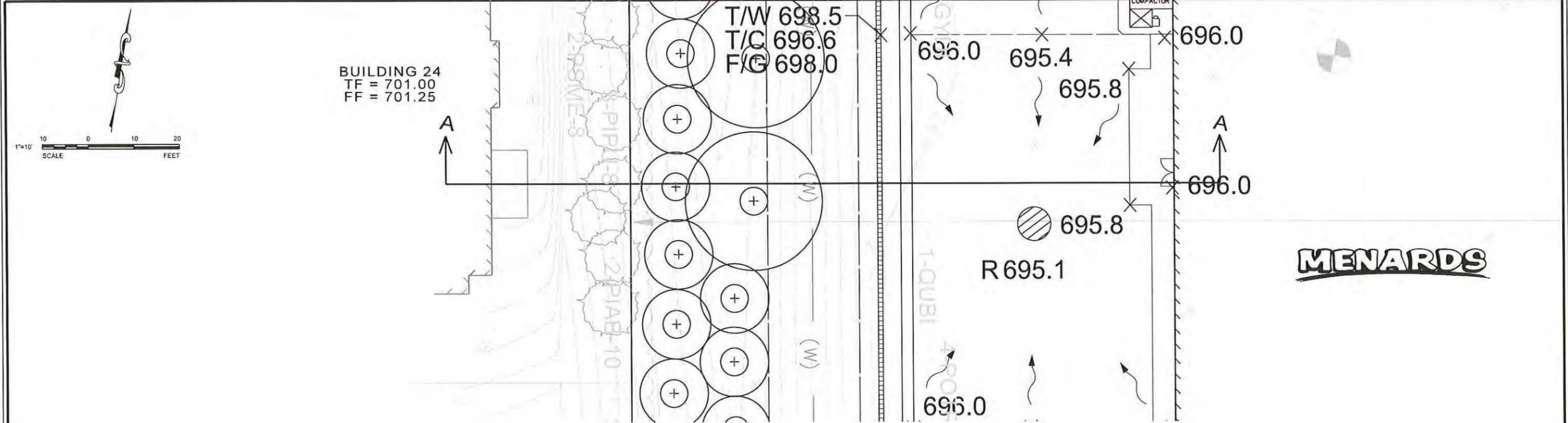
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 DESIGNED BY: RMW  
 FILE NAME: CS LOCATION EXH  
 DRAWN BY: NRS  
 ORIGINAL ISSUE DATE: 03-14-14  
 CHECKED BY: JRB  
 SCALE: 1"=50'  
 PROJECT MANAGER: JRB

**MENARDS**  
 1860 N. MILWAUKEE AVE.  
 ILLINOIS  
 VERNON HILLS

**CROSS SECTIONS LOCATION EXHIBIT**

DRAWING NO  
**EX**

10068.MNRD - CROSS SECTIONS LOCATION EXHIBIT



NOTES:  
 1. PROPOSED LANDSCAPE SHOWN PER PLANS COMPLETED BY MANHARD CONSULTING LTD. DATED 06/27/2014.

**V3** Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1	05-12-14	PER VERNON HILLS			
2	06-27-14	PER VERNON HILLS			

PROJECT NO.: 10068 MNRD  
 FILE NAME: CROSS SEC EXH A  
 ORIGINAL ISSUE DATE: 03-14-14  
 SCALE: AS NOTED

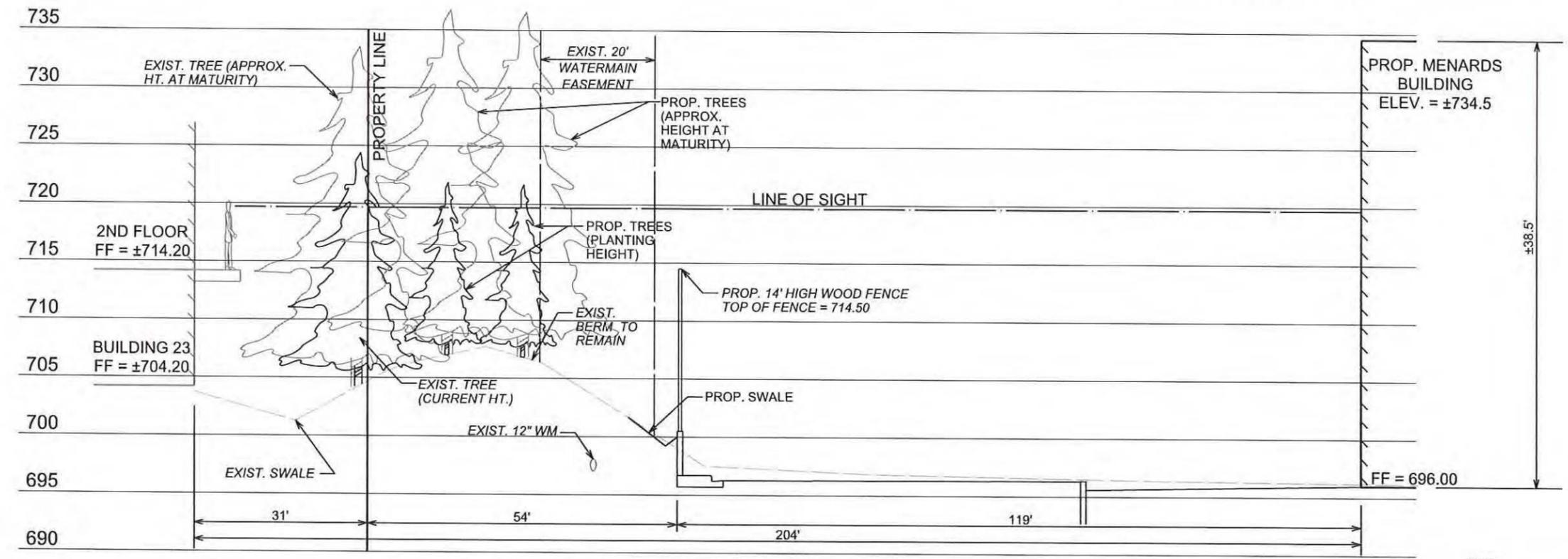
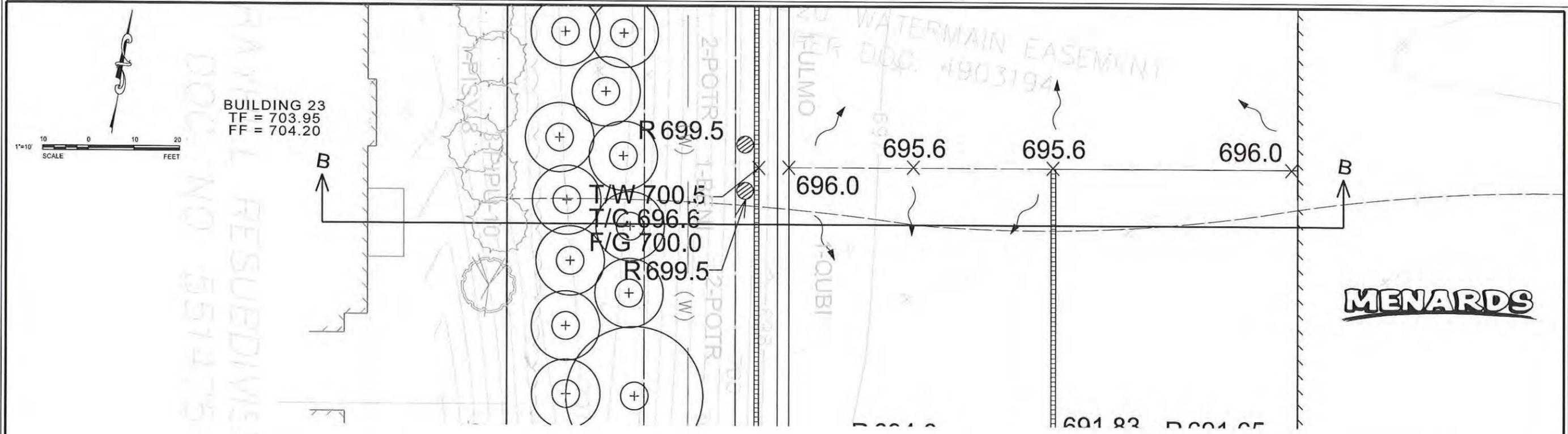
DESIGNED BY: RMW  
 DRAWN BY: NRS  
 CHECKED BY: JRB  
 PROJECT MANAGER: JRB  
 VERNON HILLS ILLINOIS

**MENARDS**  
 1860 N. MILWAUKEE AVE.

CROSS SECTION A-A

EX A

10068 MNRD - CROSS SECTION A-A



**SECTION B:B (LOOKING NORTH)**

SCALE: 1" = 10' (HORZ)  
 1" = 5' (VERT)

NOTES:  
 1. PROPOSED LANDSCAPE SHOWN PER PLANS COMPLETED BY MANHARD CONSULTING LTD. DATED 06/27/2014.

**V3**  
 V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

REVISIONS			
NO	DATE	DESCRIPTION	
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2	06-27-14	PER VERNON HILLS	

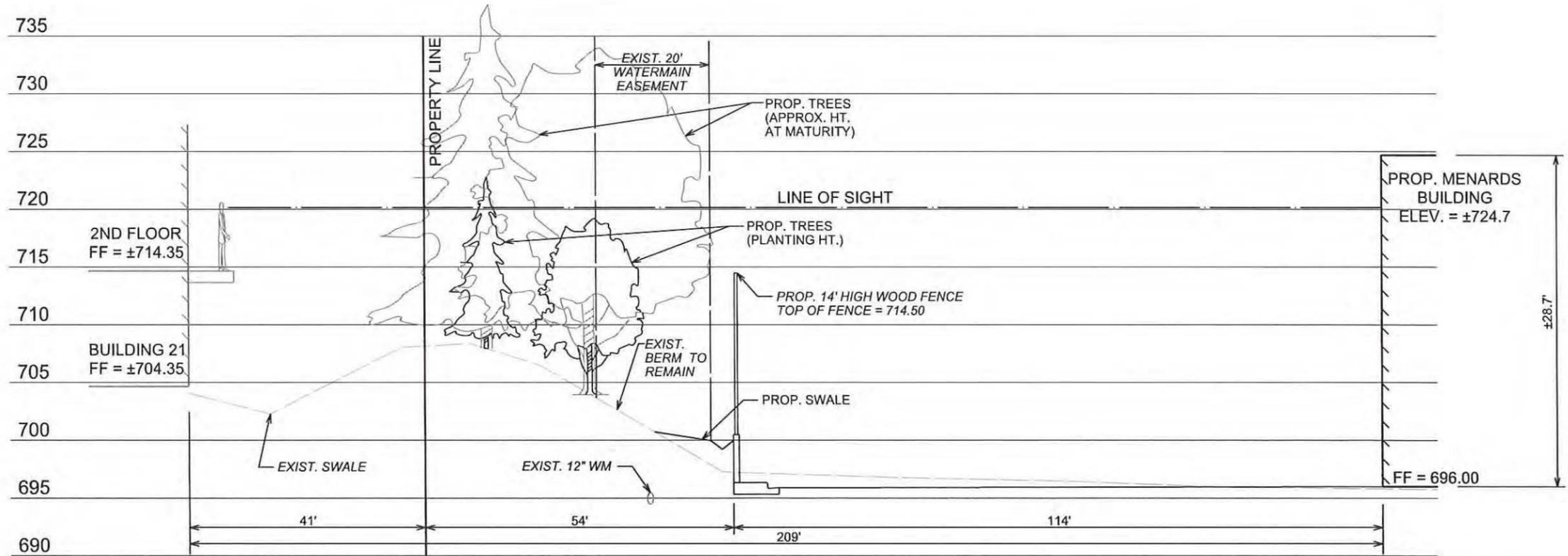
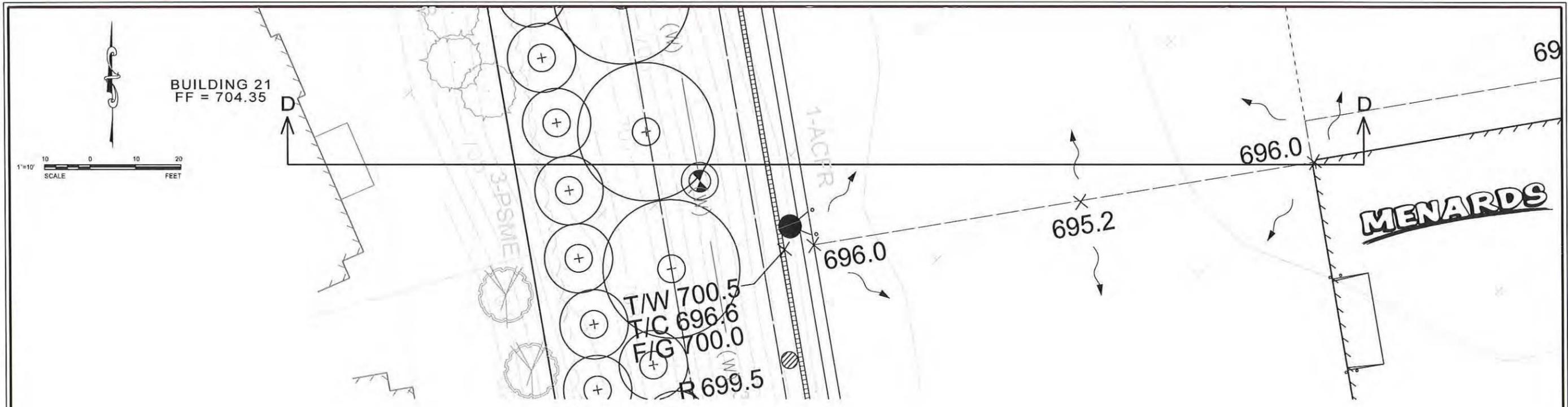
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 FILE NAME: CROSS SEC EXH B  
 ORIGINAL ISSUE DATE: 03-14-14  
 SCALE: AS NOTED

DESIGNED BY: RMW  
 DRAWN BY: NRS  
 CHECKED BY: JRB  
 PROJECT MANAGER: JRB

**MENARDS**  
 1860 N. MILWAUKEE AVE.  
 ILLINOIS  
 VERNON HILLS

**CROSS SECTION B-B**

DRAWING NO  
**EX B**



**SECTION D:D (LOOKING NORTH)**

SCALE: 1" = 10' (HORZ)  
1" = 5' (VERT)

NOTES:  
1. PROPOSED LANDSCAPE SHOWN PER PLANS COMPLETED BY MANHARD CONSULTING LTD. DATED 06/27/2014.



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2	06-27-14	PER VERNON HILLS			

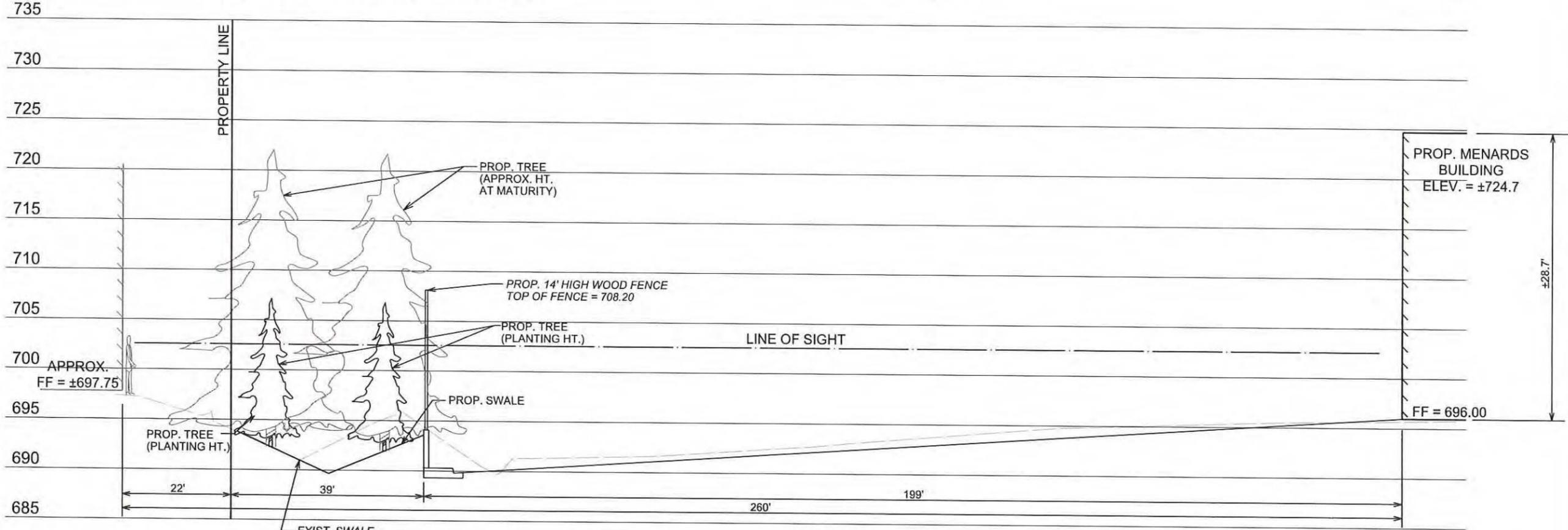
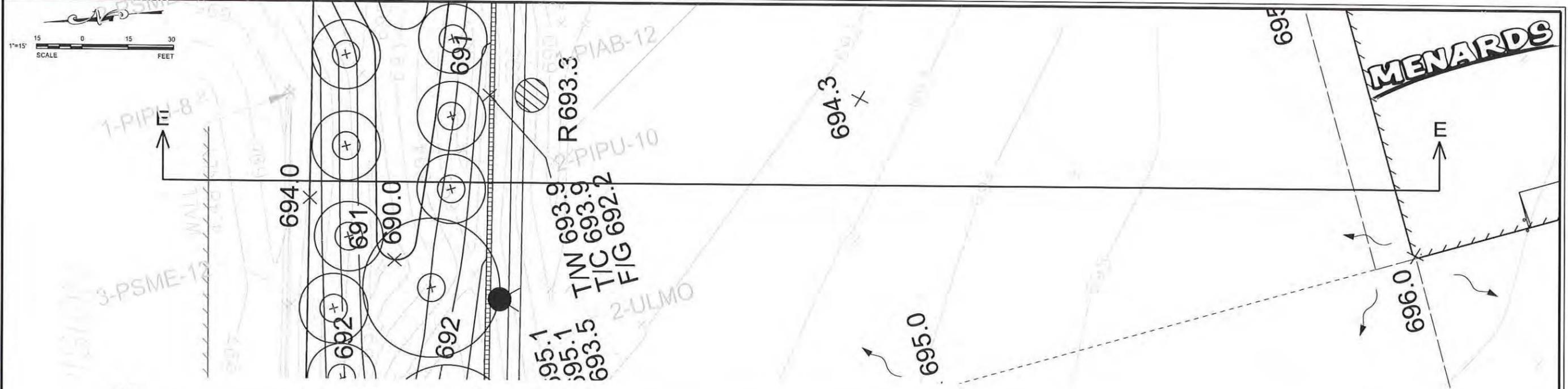
SEAL

PROJECT NO.: 10068.MNRD  
DESIGNED BY: RMW  
FILE NAME: CROSS SEC EXH D  
DRAWN BY: NRS  
ORIGINAL ISSUE DATE: 03-14-14  
CHECKED BY: JRB  
SCALE: AS NOTED  
PROJECT MANAGER: JRB

**MENARDS**  
1860 N. MILWAUKEE AVE.  
ILLINOIS

**CROSS SECTION D-D**

DRAWING NO  
**EX D**



**SECTION E:E (LOOKING EAST)**

SCALE: 1" = 10' (HORZ)  
1" = 5' (VERT)

NOTES:  
1. PROPOSED LANDSCAPE SHOWN PER PLANS COMPLETED BY MANHARD CONSULTING LTD. DATED 06/27/2014.

**V3**  
V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

REVISIONS			
NO	DATE	DESCRIPTION	
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2	06-27-14	PER VERNON HILLS	

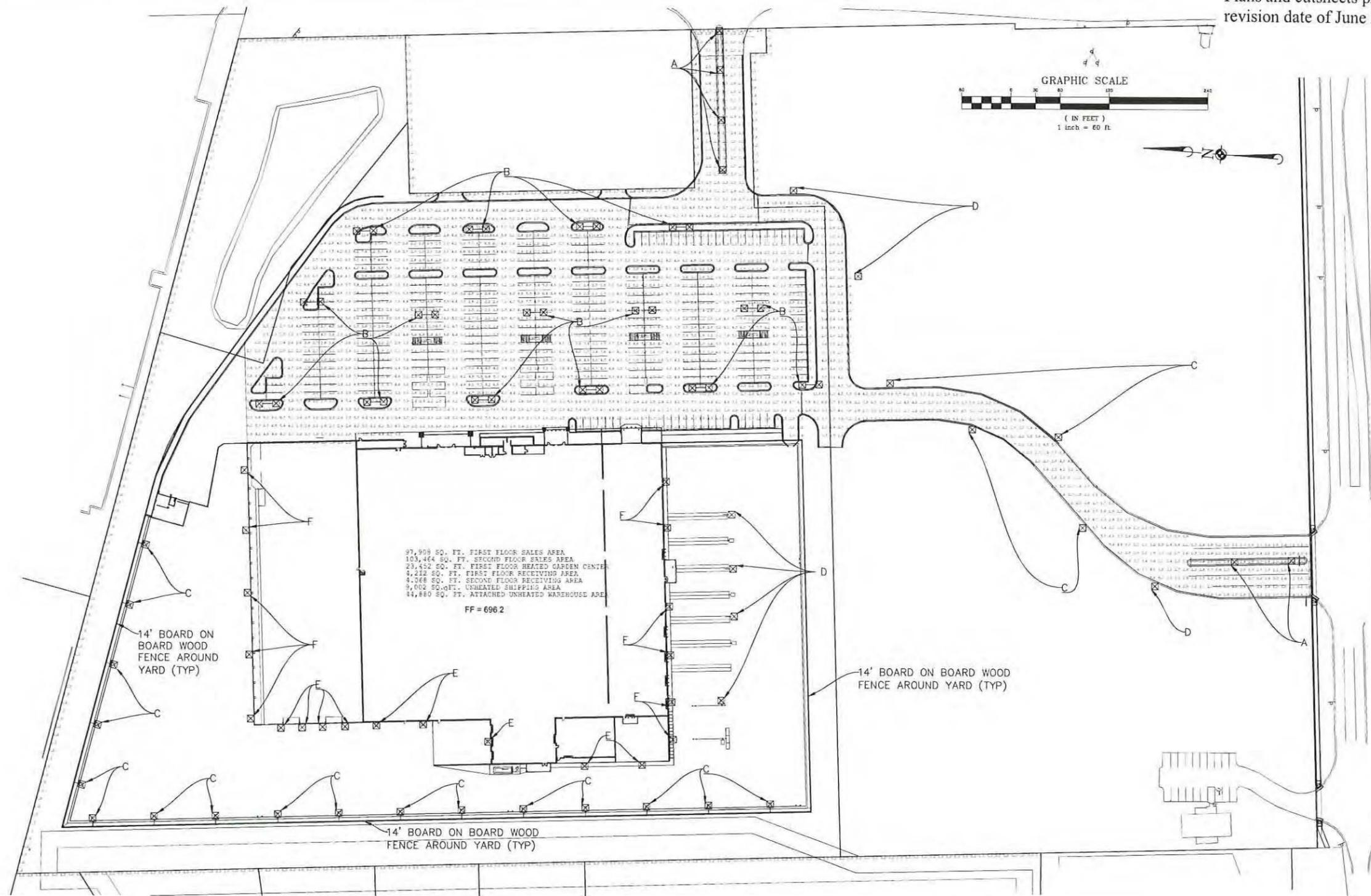
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PROJECT NO. 10068.MNRD	DESIGNED BY RMW
FILE NAME CROSS SEC EXH E	DRAWN BY NRS
ORIGINAL ISSUE DATE 03-14-14	CHECKED BY JRB
SCALE AS NOTED	PROJECT MANAGER JRB

**MENARDS**  
1860 N. MILWAUKEE AVE.  
VERNON HILLS  
ILLINOIS

**CROSS SECTION E-E**

DRAWING NO.  
**EX E**



Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Entry Drive East	Illuminance	Fc	3.21	13.1	1.7	1.89	7.71
Entry Drive South	Illuminance	Fc	2.64	11.8	0.7	3.77	16.86
Parking Area	Illuminance	Fc	4.24	14.0	1.0	4.24	14.00
Spill Light - Adj Commercial	Illuminance	Fc	1.03	3.8	0.0	N.A.	N.A.
Spill Light - Adj Residential	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.

Symbol	Qty	Description	Arrangement	LLF	Mounting Height	Arr. Watts	Arr. Lum. Lumens
A	6	R52-15S5VSN HADCO	BACK-BACK	1.000	16'	300	24558
B	15	MPTR-5S-400 DUAL	BACK-BACK	1.000	25'	904	58666
C	21	MPTR-3S-400 SINGLE	SINGLE	1.000	18'	452	27872
D	7	MPTR-5S-400 SINGLE	SINGLE	1.000	25'	452	29333
E	9	MPTR-3S-400-WALL MOUNTED	SINGLE	1.000	14'	452	27872
F	11	MPTR-3S-400-WALL MOUNTED	SINGLE	1.000	21.75'	452	27872

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**Manhard**  
 CONSULTING LTD  
 800 Westside Parkway, Vernon Hills, IL 60061  
 Construction Managers • Environmental Scientists • Landscape Architects • Planners

PROPOSED MENARD'S  
 VERNON HILLS, ILLINOIS  
 PHOTOMETRIC PLAN

PROJ. NO. JTR  
 PROJ. ASSOC. DEM  
 DRAWN BY DEM  
 DATE 8-25-14  
 SCALE 1"=60'  
 SHEET  
 1 OF 1  
 WENMP 130436

June 27, 2014 - 14:04 User: Manard, P. Manard\man\p\man\photometric Plan 062514.dwg (Unsaved Dr. 11/26/2014)

# COOPER LIGHTING - LUMARK®



## DESCRIPTION

The Lumark Tribute is the most versatile, functionally designed, universally adaptable outdoor luminaire available. The Tribute brings outstanding performance to walkways, parking lots, roadways, loading docks, building areas, and any security lighting application. U.L. listed and CSA certified for wet locations.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

## SPECIFICATION FEATURES

### Construction

Rugged one-piece die-cast aluminum housing and door frame. One-piece silicone gasket protects the optical chamber from performance degrading contaminants. One (1) stainless spring latch and two (2) stainless hinges allow toolless opening and removal of door frame.

### Reflector

Choice of nine (9) high efficiency optical distributions, including five (5) segmented optical systems constructed of premium 95% reflective oxidized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs or other means of attachment which may cause streaking in the light distribution. Optical modules are

field rotatable in 90° increments and offered standard with mogul base lampholders for High Pressure Sodium and 200-400W Metal Halide assemblies or medium-base lampholders for Metal Halide 150W and below.

### Electrical

Ballast and related electrical componentry are hard mounted to die-cast housing for optimal heat transfer and operating efficiency. Optional swing-down galvanized steel power tray with integral handle and quick disconnects allows tray to be completely removed from housing providing ample room for fixture installation and maintenance.

### Mounting

Extruded 8" aluminum arm features internal bolt guides for easy positioning of fixture during installation to pole or wall surface.

Standard single carton packaging of housing, square pole arm and round pole adapter allow for consolidated product arrival to site. Optional internal mast arm mount accepts a 1 1/4" to 2 3/8" O.D. horizontal tenon, while a 4-bolt clamping mechanism secures fixture. Cast-in leveling guides provide +/-5° vertical leveling adjustment.

### Finish

Housing and arm finished in a 5 stage premium TGIC bronze polyester powder coat paint. Optional colors include black, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.



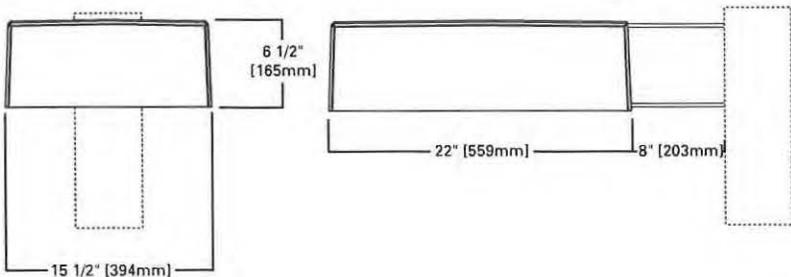
## TR TRIBUTE

**70 - 400W**  
High Pressure Sodium  
Pulse Start Metal Halide  
Metal Halide

AREA LUMINAIRE



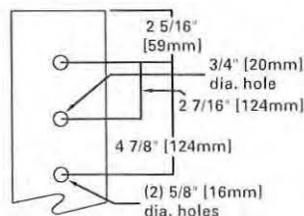
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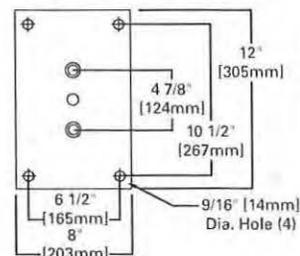
**RECEIVED**  
 JUN 27 2014  
 COMMUNITY DEVELOPMENT  
 DEPARTMENT

## DRILLING PATTERNS

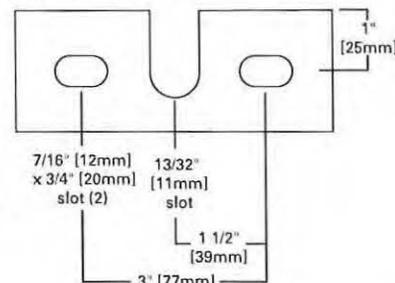
### TYPE "M"



### WALL MOUNT (MA1219-XX)



### TRUNNION MOUNT



## TECHNICAL DATA

UL Wet Locations Listed  
 CSA Certified  
 EISA Compliant ©

### ENERGY DATA

#### Hi-Reactance Ballast Input Watts

- 70W HPS HPF (95 Watts)
- 100W HPS HPF (130 Watts)
- 150W HPS HPF (190 Watts)
- 150W MP HPF (185 Watts)

#### CWI Ballast Input Watts

- 250W HPS HPF (300 Watts)

#### CWA Ballast Input Watts

- 175W MH HPF (210 Watts)
- 200W MP HPF (227 Watts) ©
- 200W HPS HPF (250 Watts)
- 250W MH HPF (295 Watts)
- 250W MP HPF (283 Watts) ©
- 320W MP HPF (365 Watts) ©
- 350W MP HPF (397 Watts) ©
- 400W MP HPF (452 Watts) ©
- 400W MH HPF (455 Watts)
- 400W HPS HPF (465 Watts)

### EPA

Effective Projected Area: (Sq. Ft.)  
 Without Arm: 1.19

### SHIPPING DATA

Approximate Net Weight:  
 39 lbs. (17.73 kgs.)



ORDERING INFORMATION

Sample Number: MPTR-SL-400-MT-LL

<p><b>Lamp Type</b>  <b>MP</b>=Pulse Start Metal Halide  <b>MH</b>=Metal Halide  <b>HP</b>=High Pressure Sodium</p> <p><b>Series <sup>1</sup></b>  <b>TR</b>=Tribute (Arm Included)</p>	<p><b>Distribution</b>  <b>2F</b>=Type II Formed  <b>2S</b>=Type II Segmented  <b>3F</b>=Type III Formed  <b>3S</b>=Type III Segmented  <b>4F</b>=Type IV Formed  <b>4S</b>=Type IV Segmented  <b>5F</b>=Type V Formed  <b>5S</b>=Type V Segmented  <b>SL</b>=Spill Light Eliminator</p>	<p><b>Lamp Wattage <sup>2</sup></b>  <b>MP</b>  <b>70</b>=70W  <b>100</b>=100W  <b>150</b>=150W  <b>200</b>=200W  <b>250</b>=250W  <b>320</b>=320W  <b>350</b>=350W  <b>400</b>=400W<sup>3</sup>  <b>MH</b>  <b>175</b>=175W<sup>4</sup>  <b>250</b>=250W<sup>4</sup>  <b>400</b>=400W<sup>3, 4</sup>  <b>HPS</b>  <b>70</b>=70W  <b>100</b>=100W  <b>150</b>=150W  <b>250</b>=250W  <b>400</b>=400W<sup>3</sup></p> <p><b>Voltage <sup>5</sup></b>  <b>120V</b>=120V  <b>208V</b>=208V  <b>240V</b>=240V  <b>277V</b>=277V  <b>347V</b>=347V<sup>6</sup>  <b>480V</b>=480V  <b>DT</b>=Dual-Tap  <b>MT</b>=Multi-Tap, wired 277V  <b>TT</b>=Triple-Tap, <sup>6</sup>wired 347V  <b>5T</b>=5 Tap Wired<sup>6</sup> 480V</p>	<p><b>Options</b>  <b>F1</b>=Single Fuse (120, 277 or 347V<sup>7</sup> only)  <b>F2</b>=Double Fuse (208, 240 or 480V<sup>7</sup> only)  <b>Q</b>= Quartz Restrike (Hot Strike Only)<sup>8</sup>  <b>EM</b>= Quartz Restrike with "Delay Relay" (Quartz lamp strikes at both hot and cold starts)  <b>EM/SC</b>= Emergency Separate<sup>9</sup> Circuit  <b>LL</b>= Lamp Included  <b>S</b>= 1 1/4" - 2 3/8" Internal Mast Arm Mount  <b>TM</b>= Trunnion Mount  <b>CEC</b>= California Title 20 Compliant Ballast (Applies to 200-320W and 400W MP only)  <b>PT</b>= Electrical Power Tray  <b>PER</b>= NEMA Twistlock Photocontrol Receptacle  <b>PC</b>= Button Type Photocontrol<sup>9</sup>  <b>HS</b>= House Side Cutoff<sup>10</sup>  <b>LA</b>= Less Arm (Order Mounting Separately)</p> <p><b>Standard Color</b>          _=Bronze (Standard)  <b>WH</b>=White  <b>BK</b>=Black  <b>AP</b>=Grey  <b>DP</b>=Dark Platinum  <b>GM</b>=Graphite Metallic</p>	<p><b>Accessories <sup>11</sup></b>  <b>MA1201-XX</b>=Direct Wall Mount Kit<sup>1</sup>  <b>MA1218-XX</b>=Direct Mount for Pole<sup>1</sup>  <b>MA1219-XX</b>=Wall Mounting Plate  <b>OA1090-XX</b>=Adjustable slipfitter Arm for Tenon Mount 2 3/8" O.D.<sup>1</sup>  <b>MA1221-XX</b>= External House Side Shield Kit (EPA= 0.38)  <b>MA1222</b>= Internal House Side Shield Kit for 2S/3S  <b>MA1223</b>= Internal House Side Shield Kit 4S  <b>MA1224</b>= Internal House Side Shield Kit for 2F/3F  <b>MA1225</b>= Internal House Side Shield Kit for 4F  <b>MA1010-XX</b>= Single Tenon Adapter for 3 1/2" O.D. Tenon  <b>MA1011-XX</b>= 2 @ 180 degrees Tenon Adapter for 3 1/2" O.D. Tenon  <b>MA1012-XX</b>= 3 @ 120 degrees Tenon Adaptor for 3 1/2" O.D. Tenon  <b>MA1013-XX</b>= 4 @ 90 degrees Tenon Adapter for 3 1/2" O.D. Tenon  <b>MA1014-XX</b>= 2 @ 90 degrees Tenon Adapter for 3 1/2" O.D. Tenon  <b>MA1015-XX</b>= 2 @ 120 degrees Tenon Adapter for 3 1/2" O.D. Tenon  <b>MA1016-XX</b>= 3 @ 90 degrees Tenon Adapter for 3 1/2" O.D. Tenon  <b>MA1017-XX</b>= Single Tenon Adapter for 2 3/8" O.D. Tenon  <b>MA1018-XX</b>= 2 @ 180 degrees Tenon Adapter for 2 3/8" O.D. Tenon  <b>MA1019-XX</b>= 3 @ 120 degrees Tenon Adapter for 2 3/8" O.D. Tenon  <b>MA1045-XX</b>= 4 @ 90 degrees Tenon Adapter for 2 3/8" O.D. Tenon  <b>MA1048-XX</b>= 2 @ 90 degrees Tenon Adapter for 2 3/8" O.D. Tenon  <b>MA1049-XX</b>= 3 @ 90 degrees Tenon Adapter for 2 3/8" O.D. Tenon  <b>TRVS</b>=Field Installed Vandal Shield<sup>12</sup>  <b>OA/RA1013</b>=Photocontrol Shorting Cap  <b>OA/RA1016</b>=NEMA Photocontrol - Multi-Tap  <b>OA/RA1027</b>=NEMA Photocontrol 480V  <b>OA/RA1201</b>=NEMA Photocontrol 347V</p>
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Notes: <sup>1</sup> 8 Inch Arm and pole adapter included with fixture. Specify Less Arm "LA" option when mounting accessory is ordered separately. <sup>2</sup> 150W and below in Pulse Start Metal Halide are medium base sockets. All other wattages are mogul base. <sup>3</sup> Requires reduced envelope lamp. <sup>4</sup> 175W, 250W, and 400W MH available in non-U.S. markets only. <sup>5</sup> Products also available in non-US voltages and 50HZ for international markets. Consult your Cooper Representative for availability and ordering information. 5T only available in 400W MH. <sup>6</sup> 88% efficient EISA Compliant MP fixtures not available in 347V or TT Voltages. <sup>7</sup> Must specify voltage. <sup>8</sup> Quartz options not available with SL optics. <sup>9</sup> Specify 120V, 208V, 240V, or 277V only. <sup>10</sup> House side shield not available on 5S, 5F, or SL optics. <sup>11</sup> Order separately/replace XX with color specification. <sup>12</sup> Not available with SLE or House Side Shield.

STOCK SAMPLE NUMBER (Lamp Included)

SAMPLE NUMBER: MPTR2340

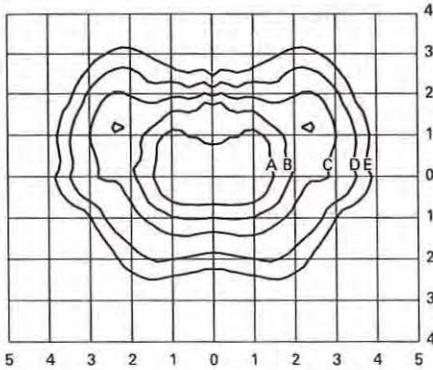
<b>MP</b>	<b>TR</b>	<b>23</b>	
<p><b>Lamp Type</b>  <b>MP</b>=Pulse Start Metal Halide  <b>HP</b>=High Pressure Sodium <sup>2</sup></p>	<p><b>Series <sup>1</sup></b>  <b>TR</b>=Tribute</p>	<p><b>Distribution</b>  <b>23</b>=Type II/III Formed</p>	<p><b>Lamp Wattage</b>  <b>15</b>=150W  <b>25</b>=250W  <b>32</b>=320W  <b>40</b>=400W</p>

NOTES:

<sup>1</sup> Short logic fixtures are finished bronze include multi-tap ballast, lamp, arm and round pole adapter. Other options not available. Refer to standard ordering logic. <sup>2</sup> Available in 150, 250 and 400 Watt. Refer to In Stock Guide for availability.

VOLTAGE CHART	
DT=Dual-Tap	120/277 (wired 277V)
MT=Multi-Tap	120/208/240/277 (wired 277V)
TT=Triple-Tap	120/277/347 (wired 347V)
5T=5-Tap	120/208/240/277/480 (wired 480V)

LAMP TYPE	WATTAGE
Pulse Start Metal Halide	70, 100, 150, 250, 320, 350, 400W
Metal Halide	175, 250, 400W
High Pressure Sodium	70, 100, 150, 250, 400W

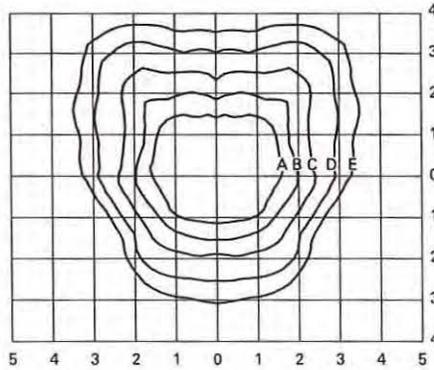


**MPTR-3S-320**  
320—Watt MP  
30,000—Lumen Clear Lamp  
Type III Segmented

**Footcandle Table**

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
20'	3.00	1.50	0.75	0.30	0.15
25'	2.00	1.00	0.50	0.20	0.10
30'	1.38	0.69	0.34	0.13	0.06

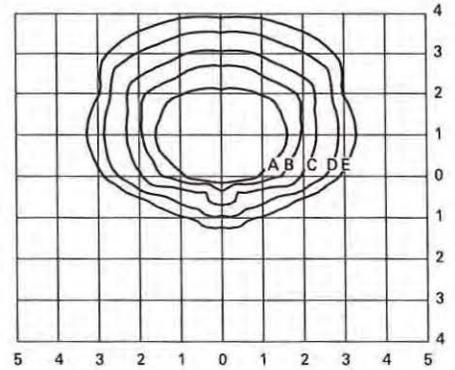


**MPTR-4S-400**  
400—Watt MP  
40,000—Lumen Clear Lamp  
Type IV Segmented

**Footcandle Table**

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
20'	3.00	1.50	0.75	0.30	0.15
25'	2.00	1.00	0.50	0.20	0.10
30'	1.38	0.69	0.34	0.13	0.06



**MPTR-SL-400**  
400—Watt MP  
40,000—Lumen Clear Lamp  
Spill Light Eliminator

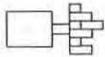
**Footcandle Table**

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
20'	3.00	1.50	0.75	0.30	0.15
25'	2.00	1.00	0.50	0.20	0.10
30'	1.38	0.69	0.34	0.13	0.06

**MOUNTING CONFIGURATIONS**

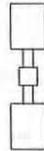
Wall Mount



Arm Mount Single  
EPA: 1.62



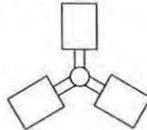
Arm Mount 2 @ 180  
EPA: 3.24



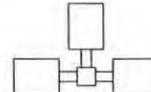
Arm Mount 2 @ 90  
EPA: 3.24



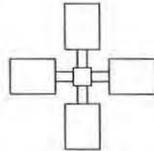
Arm Mount 3 @ 120  
(Round Pole Only)  
EPA: 4.43



Arm Mount 3 @ 90  
EPA: 4.43

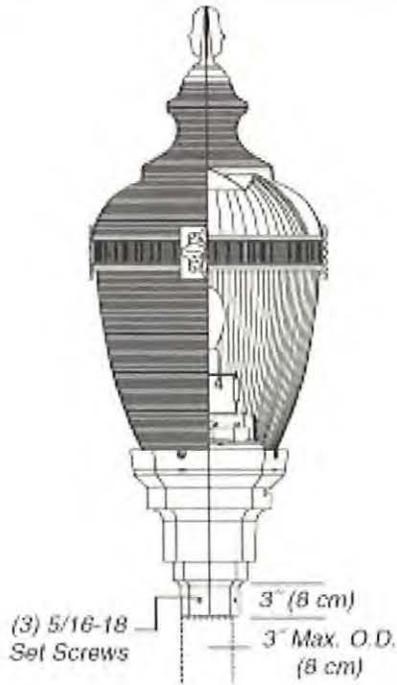


Arm Mount 4 @ 90  
EPA: 5.03



# Refractive (R52) Specification Sheet

Project Name:	Location:	MFG: Philips Hadco
Fixture Type:	Catalog No.:	Qty:



## Ordering Guide

Example: R52 A A A A 1 A D N R 70S E

Product Code	R52	Refractive	
Fitter/Pod	A	Octagonal Style	
	B	Round fitter w/ scalloped petals	
	C	Fluted tapered hourglass	
	D	Smooth tapered hourglass	
	E	Tapered fluted w/ scalloped petals	
	F	Short round fluted	
	G	Tall round fluted	
	H	Round contemporary	
	J	Tapered Fluted w/ round stepped fitter	
	L	Round fluted long	
T	Decorative Leaf w/ scalloped petals		
Roof	A	Victorian	
	B	Acorn	
	C	Tall	
	D	Short	
Cage / Band	A	Cage for Narrow Body Globe	
	B	Cage for Narrow Body Globe	
	E	Band for Narrow Body Globe	
	F	Band for Narrow Body Globe	
	G	Cage for Narrow Body Globe	*1
	N	None	
Finial	A	A Finial	
	B	B Finial	
	C	C Finial	*2
	D	D Finial	*2
	E	E Finial	*2
	F	F Finial	
	G	G Finial	
	H	H Finial	
	N	None	
Fasteners	1	Hex Head	
	2	Allen Head	
Finish	A	Black	
	B	White	
	G	Verde	
	H	Bronze	
	J	Green	
Reflector	D	Small Top Reflector	
	F	Small top reflector w/House-side shield	
	G	Full Top Reflector w/House-side shield	
	H	House Side Shield	
	T	Full Top Reflector	
	L	Internal Louver Assembly	*3
	N	None	
Photo Control	N	None	
	B	Button Eye Photo Control	
	R	Twist-lock Receptacle	*4
Socket	R	Induction	*6
	D	Medium	*5
	G	Mogul	*5
Wattage	70S	70W HPS	
	100S	100W HPS	
	150S	150W HPS	
	200S	200W HPS	
	250S	250W HPS	*7
	70H	70W MH	
	100H	100W MH	
	150H	150W PMH	
	250H	250W PMH	*7
	55R	55W Induction	*6

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COMMUNITY DEVELOPMENT  
DEPARTMENT

# Refractive (R52) Specification Sheet

Project Name:	Location:	MFG: Phillips Hadco
Fixture Type:	Catalog No.:	Qty:

	85R	85W Induction	*6
	165R	165W Induction	*6
Voltage	E	120V	
	F	208V	
	G	240V	
	H	277V	
	K	347V	*8

- \*1 Not available with (A) pod.
- \*2 Cannot be used with (B) roof.
- \*3 Cannot be used with Induction Lamping.
- \*4 Twistlock photocell receptacle (R) in (A), (B), (G), (H), (J), and (T) pods available up to 150W HPS and 200W MH. Pod (L) available in all wattages. Not available in other pods.
- \*5 Medium base (D) socket available for 70W-175W MH, 50W-150W HPS. Mogul base (G) socket available for 150W-250W MH, 50W-250W HPS.
- \*6 Consult factory if ordering Induction socket (R) and wattages.
- \*7 Available in (A), (B), (E), (G), (H), (L), and (T) pods.
- \*8 347V (K) not available for (200S).

## Specifications

### HOUSING:

#### OPTIONAL PODS:

**A:** Octagonal style fitter is constructed of die-cast 360 aluminum alloy with bottom-hinged door providing 135° entry into the fitter assembly for easy access to the electrical components. Accepts standard HADCO Twistlock ballast assemblies up to 250W HPS or 250W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle (available for 200W MH max or 150W HPS max) or optional button eye photocell. Easy access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering ballast compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 10-3/4" and width is 10-1/4". Finish is polyester thermoset powdercoat.

**B:** Round fitter with scalloped petals is constructed of die-cast 360 aluminum alloy with side-hinged door providing 180° entry into the fitter assembly for easy access to the electrical components. Accepts standard HADCO Twistlock ballast assemblies up to 250W HPS or 250W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle (available for 200W MH max or 150W HPS max) or optional button eye photocell. Easy access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering ballast compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 12-1/4" and width is 11-1/2". Finish is polyester thermoset powdercoat.

**C:** Fluted tapered hourglass fitter is constructed of 356 HM High-Strength, Low-Copper cast aluminum. Accepts standard HADCO Twistlock ballast assemblies up to 150W HPS or 200W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal button eye photocell. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering ballast compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 8" and width is 8-3/4". Finish is polyester thermoset powdercoat.

**D:** Smooth tapered hourglass fitter is constructed of 356 HM High-Strength, Low-Copper cast aluminum. Accepts standard HADCO Twistlock ballast assemblies up to 150W HPS or 200W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal button eye photocell. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering ballast compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 8" and width is 9-1/4". Finish is polyester thermoset powdercoat.

**E:** Tapered fluted fitter with scalloped flower petals is constructed of 356 HM High-Strength, Low-Copper cast aluminum. Accepts standard HADCO Twistlock ballast assemblies up to 250W HPS or 250W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal button eye photocell. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering ballast compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 10" and width is 11-1/2". Finish is polyester thermoset powdercoat.

**F:** Short Round fluted fitter is constructed of die-cast 360 aluminum alloy. Accepts standard HADCO Twistlock ballast assemblies up to 150W HPS or 200W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal button eye photocell. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering ballast compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 7-1/2" and width is 9-1/4". Finish is polyester thermoset powdercoat.

**G:** Tall Round fluted fitter is constructed of die-cast 360 aluminum alloy with removable door providing entry into the fitter assembly for easy access to the electrical components. Accepts standard HADCO Twistlock ballast assemblies up to 250W HPS or 250W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal button eye photocell. Easy access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering ballast compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 9" and width is 9". Finish is polyester thermoset powdercoat.

# Refractive (R52) Specification Sheet

Project Name:	Location:	MFG: Philips Hadco
Fixture Type:	Catalog No.:	Qty:

H: Round contemporary fitter is constructed of 356 HM High-Strength, Low-Copper cast aluminum. Accepts standard HADCO Twistlock ballast assemblies up to 250W HPS or 250W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle (available for 200W MH max or 150W HPS max) or optional internal button eye photocell. Easy access to photocell through tool-less door on pod. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering ballast compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 10" and width is 10". Finish is polyester thermoset powdercoat.

J: Tapered fluted fitter with round stepped fitter is constructed of 356 HM High-Strength, Low-Copper cast aluminum. Accepts standard HADCO Twistlock ballast assemblies up to 250W HPS or 250W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle. Tool-less access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes six 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering ballast compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 14" and width is 10". Finish is polyester thermoset powdercoat.

L: Round fluted long fitter is constructed of 356 HM High-Strength, Low-Copper cast aluminum with a side-hinged door providing entry into the fitter assembly for easy access to the electrical components. Accepts standard Hadco Twistlock ballast assemblies up to 250W HPS or 250W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle or button eye photocell. Tool-less access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes three 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering the ballast compartment. Globe is attached using four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). Pod height is 12-1/2" and width is 10-3/4". Finish is polyester thermoset powdercoat.

T: Decorative Leaf fitter with scalloped petals is constructed of 356 HM High-Strength, Low-Copper cast aluminum with side-hinged door providing 180o entry into the fitter assembly for easy access to the electrical components. Accepts standard HADCO Twistlock ballast assemblies up to 250W HPS or 250W MH. Wiring block to accept three #8 solid or stranded wires. Optional internal twist-lock photo eye receptacle (available for 200W MH max or 150W HPS max) or optional button eye photocell. Easy access to photo eye through the door on the pod. Heavy cast aluminum post fitter utilizes four 5/16-18 black cadmium stainless steel set screws (Hex head or Allen head as specified) for mounting to 3" O.D. post tenon. Globe holder has an internal water trap to prevent water from entering ballast compartment. Globe is held by utilizing four 5/16-18 black cadmium stainless steel fasteners (Hex head or Allen head as specified). All hardware to be stainless steel and captive. Pod height is 15-1/4" and width is 11-1/2". Finish is polyester thermoset powdercoat.

## ROOF:

A: Victorian style roof is clear injection molded U.V. stabilized acrylic with 79 horizontal prisms for a soft, even glow. 10-1/4" height and 14-15/16" width. The roof and bottom globe sections are secured in a slip-fit, 1/2" overlap design and use four #10-24 stainless steel pan head screws with four aluminum nutserts providing a mechanical lock and enabling easy future replacement of either the roof or bottom globe section if required.

B: Acorn style roof is clear injection molded U.V. stabilized acrylic with 59 horizontal prisms for a soft, even glow. 7-3/4" height and 15" width. The roof and bottom globe sections are secured in a slip-fit, 1/2" overlap design and use four #10-24 stainless steel pan head screws with four aluminum nutserts providing a mechanical lock and enabling easy future replacement of either the roof or bottom globe section if required.

C: Roof is 0.090" thick spun aluminum, 10" height and 15-3/16" width. The roof and bottom globe sections are secured in a slip-fit, 1/2" overlap design and use four #10-24 stainless steel pan head screws with four aluminum nutserts providing a mechanical lock and enabling easy future replacement of either the roof or bottom globe section if required. Finish is polyester thermoset powdercoat.

D: Roof is 0.090" thick spun aluminum, 6-1/2" height and 15-3/16" width. The roof and bottom globe sections are secured in a slip-fit, 1/2" overlap design and use four #10-24 stainless steel pan head screws with four aluminum nutserts providing a mechanical lock and enabling easy future replacement of either the roof or bottom globe section if required. Finish is polyester thermoset powdercoat.

## CAGES AND BANDS:

A: Cage for narrow body globes (15" dia.) is constructed of die-cast 360 aluminum alloy. Cage has 4 legs each with round cast aluminum flower block. Open rectangular band around top of cage. Height of cage is 16" and width of cage is 17-1/2". Finish is polyester thermoset powdercoat.

B: Cage for narrow body globes (15" dia.) is constructed of die-cast 360 aluminum alloy. Cage has 4 legs each with square decorative flower block. Solid rectangular band around top of cage. Height of cage is 17" and width of cage is 17". Finish is polyester thermoset powdercoat.

E: Band for narrow body globes (15" dia.) is architectural slotted aluminum. Supported at 4 points by cast aluminum square flower blocks. Finish is polyester thermoset powdercoat.

F: Band for narrow body globes (15" dia.) is architectural slotted aluminum supported at 4 points by cast aluminum round flower blocks. Finish is polyester thermoset powdercoat.

G: Cage for narrow body globes (15" dia.) is constructed of 356 HM High-Strength, Low-Copper cast aluminum. Arched, decorative legs are welded to form a one-piece unit. Height of cage is 17" and width of cage is 17-3/4". Finish is polyester thermoset powdercoat. (NOTE: Cannot be used with (A) Pod.)

H: Cage for narrow style globes (15" dia.) is constructed of 356 HM High-Strength, Low-Copper cast aluminum. Cage has 4 curved legs. Solid rectangular band around the top of cage. Height of cage is 15" and width of cage is 16-1/2". Finish is polyester thermoset powdercoat.

## FINIALS:

All finials are cast aluminum mounted with 1/4-20 stainless steel threaded studs. Standard finial finish will match fixture finish as specified. Finish is thermoset powdercoat. (NOTE: C, D, and E finials are not available with "B" Roof.)

## FASTENERS:

Used to secure post fitter to post tenon and globe to globe holder.

- 1: Hex Head Bolts: Black cadmium stainless steel.
- 2: Allen Head Bolts: Black cadmium stainless steel.

# Refractive (R52) Specification Sheet

Project Name:

Location:

MFG: Philips Hadco

Fixture Type:

Catalog No.:

Qty:

## FINISH:

Thermoset polyester powdercoat is electrostatically applied after a five-stage conversion cleaning process and bonded by heat fusion thermosetting. Laboratory tested for superior weatherability and fade resistance in accordance with ASTM B117 specifications. For larger projects where a custom color is required, contact the factory for more information.

## OPTICAL ASSEMBLY:

### GLOBE AND OPTICAL ASSEMBLY:

Type V Narrow body globe is constructed of clear injection-molded U.V. stabilized acrylic. A two-piece (Globe and Roof) slip-fit, 1/2" overlap, design utilizes nutserts and stainless steel fasteners, which eliminates a "butt-glue" seam appearance. The optical section of the globe has a neck opening of 7-3/8" and an outside neck diameter of 8". Globe (less the roof) has a 15-1/2" height and 15" width at the top with 114 horizontal prisms and 360 highly polished vertical prisms.

### REFLECTORS AVAILABLE:

D: Small Top Reflector: Top reflector is 0.04" thick #3003 aluminum alloy. Diameter is 6-1/2" and Height is 3". Precision formed, highly polished specular aluminum finish. Mounted horizontally to control uplight. Tool-less attachment of reflector bracket to socket with stainless steel spring clip.

F: Small Top Reflector with House Side Shield: Top reflector is 0.04" thick #3003 aluminum alloy. Diameter is 6-1/2" and Height is 3". Side reflector is 0.02" thick. Precision formed, highly polished specular aluminum finish. Top is mounted horizontally to control uplight while house-side shield is mounted vertically to control backlight. Tool-less attachment of reflector bracket to socket with stainless steel spring clip. Rotatable 360 degrees.

G: Top Reflector with House Side Shield: Top reflector is 0.04" thick hydroformed aluminum with a clear anodized highly specular finish. Diameter is 14-1/4" and Height is 6-1/4". Reflector rests on top internal prism wall of the bottom globe section to control uplight. House-side reflector is 0.02" thick aluminum alloy. Precision formed highly polished specular aluminum finish. Mounted vertically to control backlight. Tool-less attachment of reflector bracket to socket with stainless steel spring clip. Rotatable 360 degrees.

H: House-Side Shield: House-side reflector is 0.02" thick aluminum alloy. Precision formed highly polished specular aluminum finish. Mounted vertically to control backlight. Tool-less attachment of reflector bracket to socket with stainless steel spring clip. Rotatable 360 degrees.

L: Internal Louver Assembly: Optically designed, 0.05" thick highly polished, specular Alzak® aluminum, internal louvers. Tool-less attachment of reflector bracket to socket with stainless steel spring clip. Rotatable 360 degrees. (NOTE: cannot be used with Induction Lamping.)

T: Top Reflector: Top reflector is 0.04" thick hydroformed aluminum with a clear anodized highly specular finish. Diameter is 14-1/4" and Height is 6-1/4". Reflector rests on top internal prism wall of the bottom globe section to control uplight.

## ELECTRICAL ASSEMBLY:

Twistlock Ballast Assembly with Quick Disconnects for easy maintenance. Ballasts are HPF core and coil. 4kv rated mogul base porcelain socket. Nickel-plated screw shell with center contact. 4kv rated porcelain mini-can base. Nickel-plated screw shell with center contact. Consult factory if ordering Induction Lamping and Power Coupler.

## BALLAST:

All HID ballasts are core and coil and regulated with power factors better than 90% (HPF). Ballast provides +/- 5% lamp power regulation with +/- 10% input voltage regulation. Ballasts are factory pre-wired and tested. Metal halide ballasts are capable of starting at -20° F or -30° C and HPS at -40° F or -40° C. NOTE: All ballasts are EISA / Title 20 / Title 24 compliant where applicable.

## CERTIFICATIONS:

ETL Listed to U.S. safety standards for wet locations. cETL listed to Canadian safety standards for wet locations. Manufactured to ISO 9001:2008 Standards.

## WARRANTY:

Three-year limited warranty.

## Max. EPA:

2.08 sq. Ft. (Varies depending on options selected)

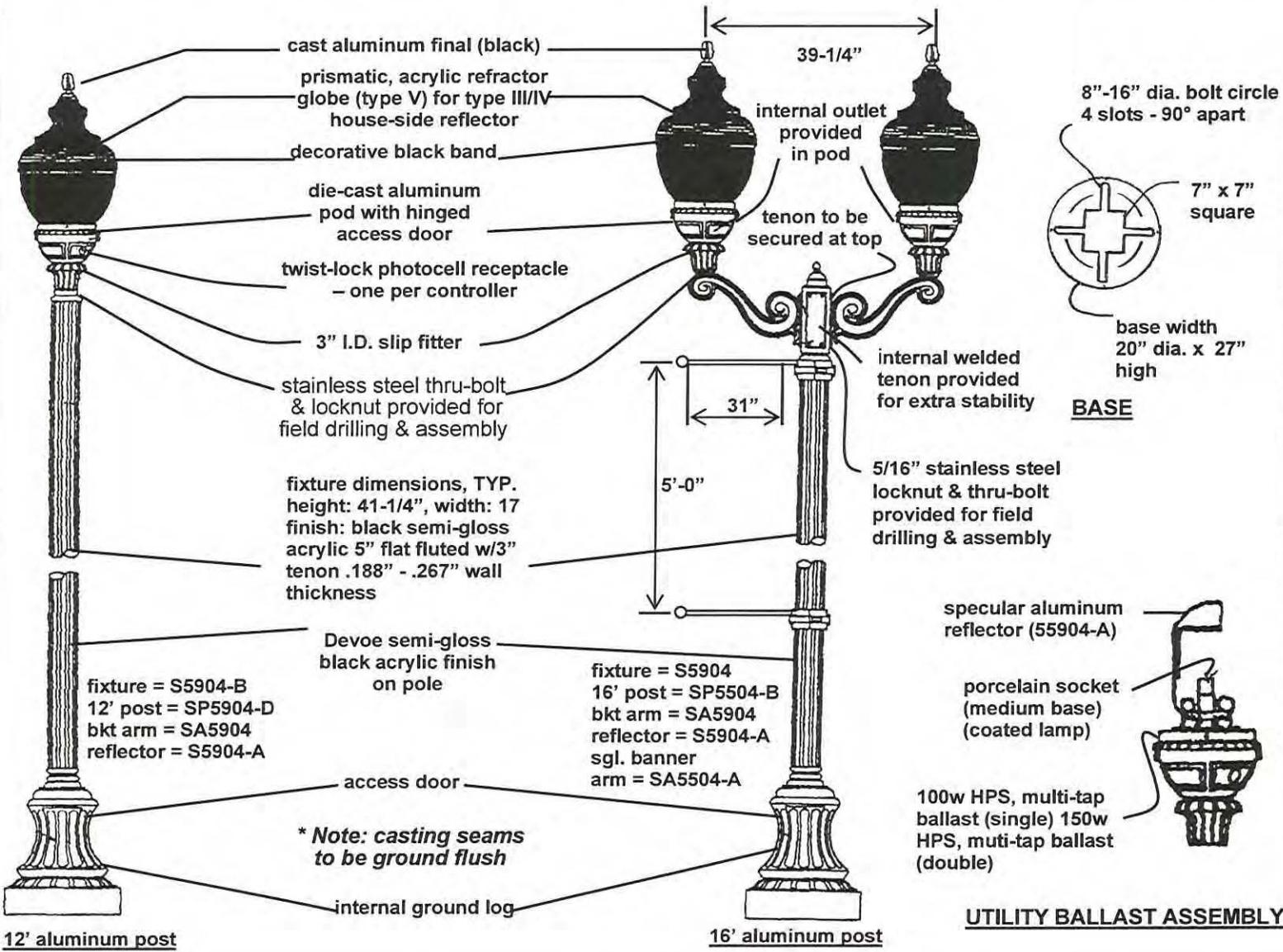
## Max. Weight:

50 lbs

## IESNA Classifications:

Semi Cutoff: with C and D roof and/or G or T refl

\* **NOTE:** This drawing is for reference only. Catalog numbers shown reference 'HADCO Lighting', Village approval is required.



VILLAGE ORNAMENTAL STREET LIGHT - 12' TO 16'

VILLAGE OF VERNON HILLS  
EXHIBIT NO. 32

COMMUNITY DEVELOPMENT  
DEPARTMENT

RECEIVED

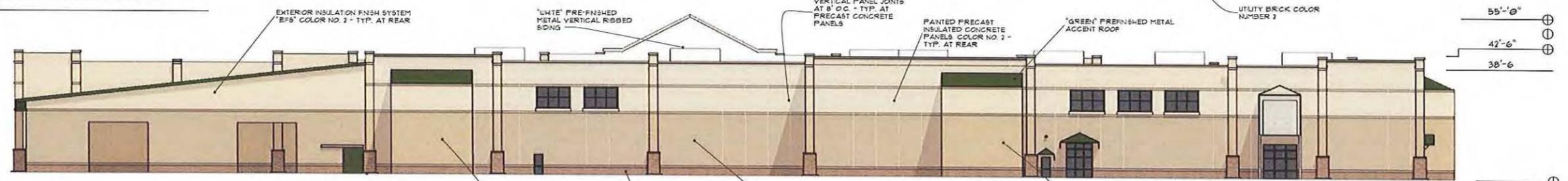
Appendix B - Development Regulations

JUN 27 2014

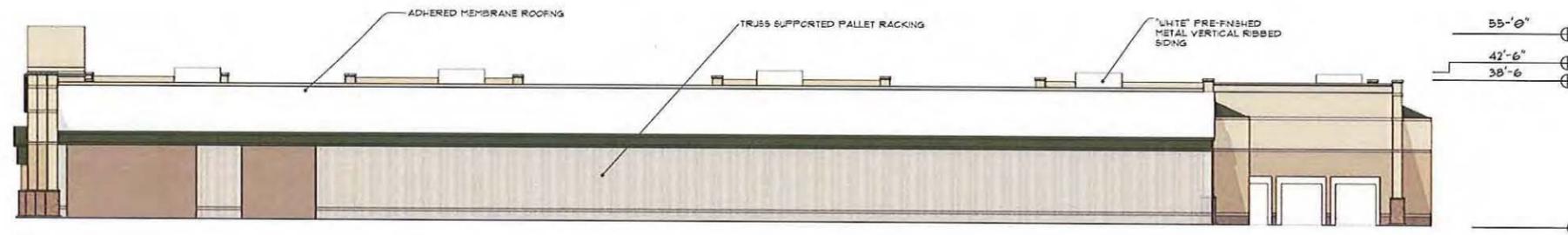
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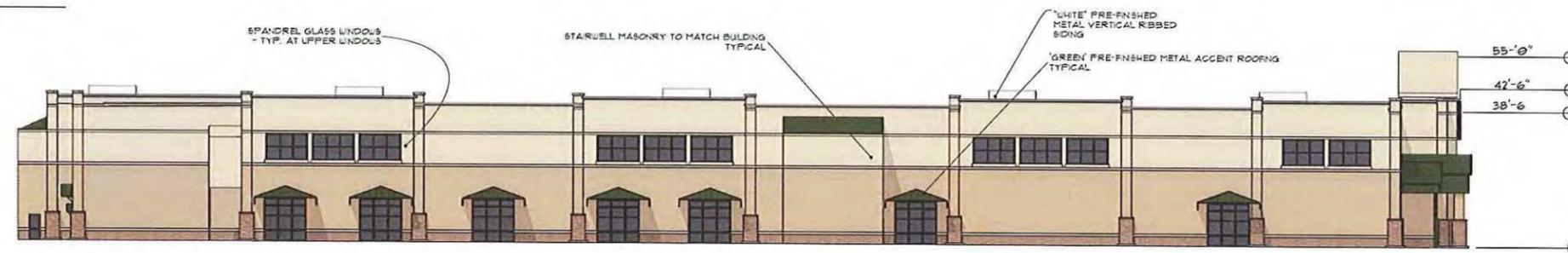
**FRONT ELEVATION**



**REAR ELEVATION**



**RIGHT SIDE ELEVATION**



**LEFT SIDE ELEVATION**

















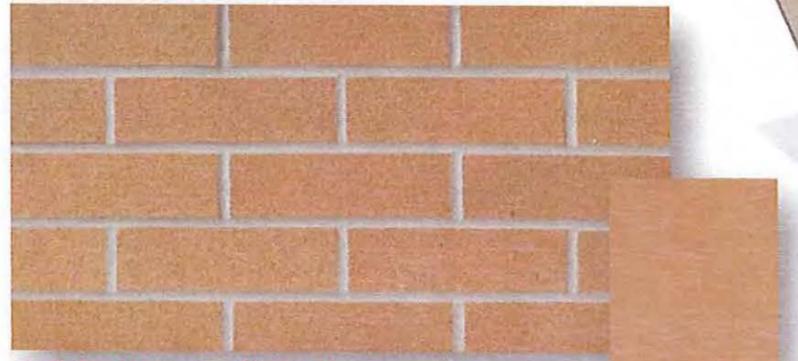








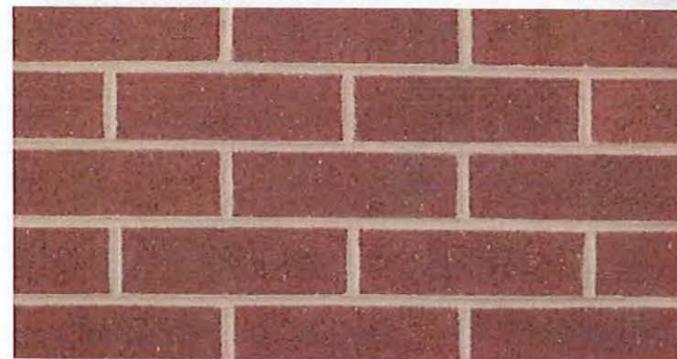




**Sable Brown (W88) COLOR #1** SW 7725 Yearling



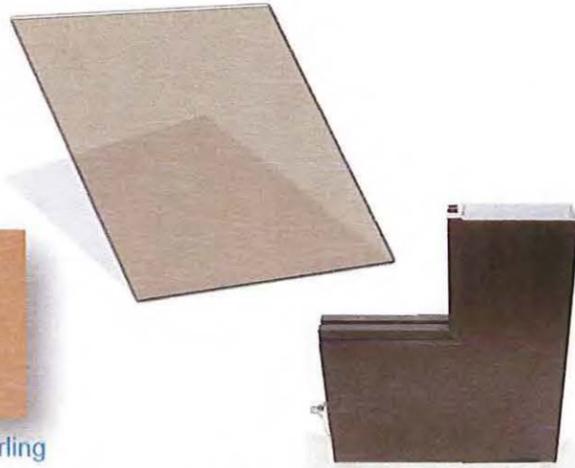
**Silver Birch (R35) COLOR #2** SW 6142 Macadamia



**Wilmette Ironspot COLOR #3**



ALMOND

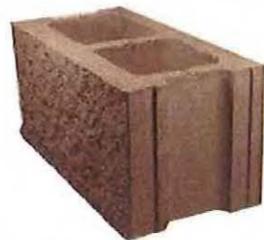


DARK BRONZE GLASS AND ANODIZED ALUMINUM FRAMES



**7" x 3-1/2" x 8-3/4" Belgian Wall Block**  
Model Number: 1793723 | Menards® SKU: 1793723  
Variation: Tan

WALL CAPS



**8" x 8" x 16" Split Face Block**  
Model Number: 1796110 | Menards® SKU: 1796110  
Variation: Tan

SPLIT FACE BOTTOM BAND TO MATCH COLOR #3



CONTINENTAL CAST stone

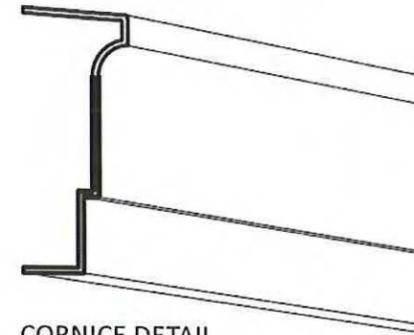
1104 BUFF



ROOFING AND MECHANICAL SCREENS

**16' L Pro-Rib Panel**

Model Number: Emerald\_Green\_1657691-42 | Menards® SKU: 1657691  
Variation: Emerald Green



CORNICE DETAIL

**C-310**

DEPTH: 3 1/2"  
HEIGHT: 8 3/4"

**ARCHITECTURAL FIBERGLASS, INC.**



SPLIT FACE BOTTOM BAND TO MATCH COLOR #3  
WALNUT COLOR



PALLET RACKING FENCE



**EXTERIOR FINISHES**

- NOTES:**
1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
  2. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
  3. ALL CURBS AND GUTTERS SHALL BE 14" UNLESS OTHERWISE NOTED.
  4. SEE SHEET C3.2 FOR PAVEMENT STRIPING AND SIGNAGE.
  5. ALL TRIANGULAR CONVECTABLE WARNINGS SHALL BE A ROAD TILE OR BULKHEAD, APPROVED BY THE VILLAGE ENGINEER, BRICK RED IN COLOR.

**PAVING LEGEND**

**HEAVY DUTY BITUMINOUS PAVEMENT**

2.0" BITUMINOUS SURFACE COURSE (PMA 100, 100)  
 2.0" BITUMINOUS BINDER COURSE (PMA 6-11, 100)  
 PRIME COAT, 100:50 AT 0.5% GAL/100  
 1.5" AGGREGATE BASE COURSE - CA-4 CRUSHED Limestone COMPACTED

**REGULAR BITUMINOUS PAVEMENT**

2.0" BITUMINOUS SURFACE COURSE (PMA 100, 100)  
 2.0" BITUMINOUS BINDER COURSE (PMA 6-11, 100)  
 PRIME COAT, 100:50 AT 0.5% GAL/100  
 1.5" AGGREGATE BASE COURSE - CA-4 CRUSHED Limestone COMPACTED

**CONCRETE PAVEMENT**

6" P.C. CONCRETE PAVEMENT WITH (60% 100:50) BY W.P.  
 4" AGGREGATE BASE COURSE - CA-4 CRUSHED Limestone COMPACTED

**CONCRETE SIDEWALK**

4" P.C. CONCRETE PAVEMENT  
 4" AGGREGATE BASE COURSE - CA-4 CRUSHED Limestone COMPACTED

**TEMPORARY ASPHALT SIDEWALK**

2" BITUMINOUS SURFACE COURSE (PMA 100, 100)  
 4" AGGREGATE BASE COURSE - CA-4 CRUSHED Limestone COMPACTED

**MILL & RESURFACE BITUMINOUS PAVEMENT**

1.5" EXISTING ASPHALT TO BE MILLED AND PROPERLY DISPOSED OFF  
 1.5" BITUMINOUS SURFACE COURSE (PMA 100, 100)

**CURB LEGEND**

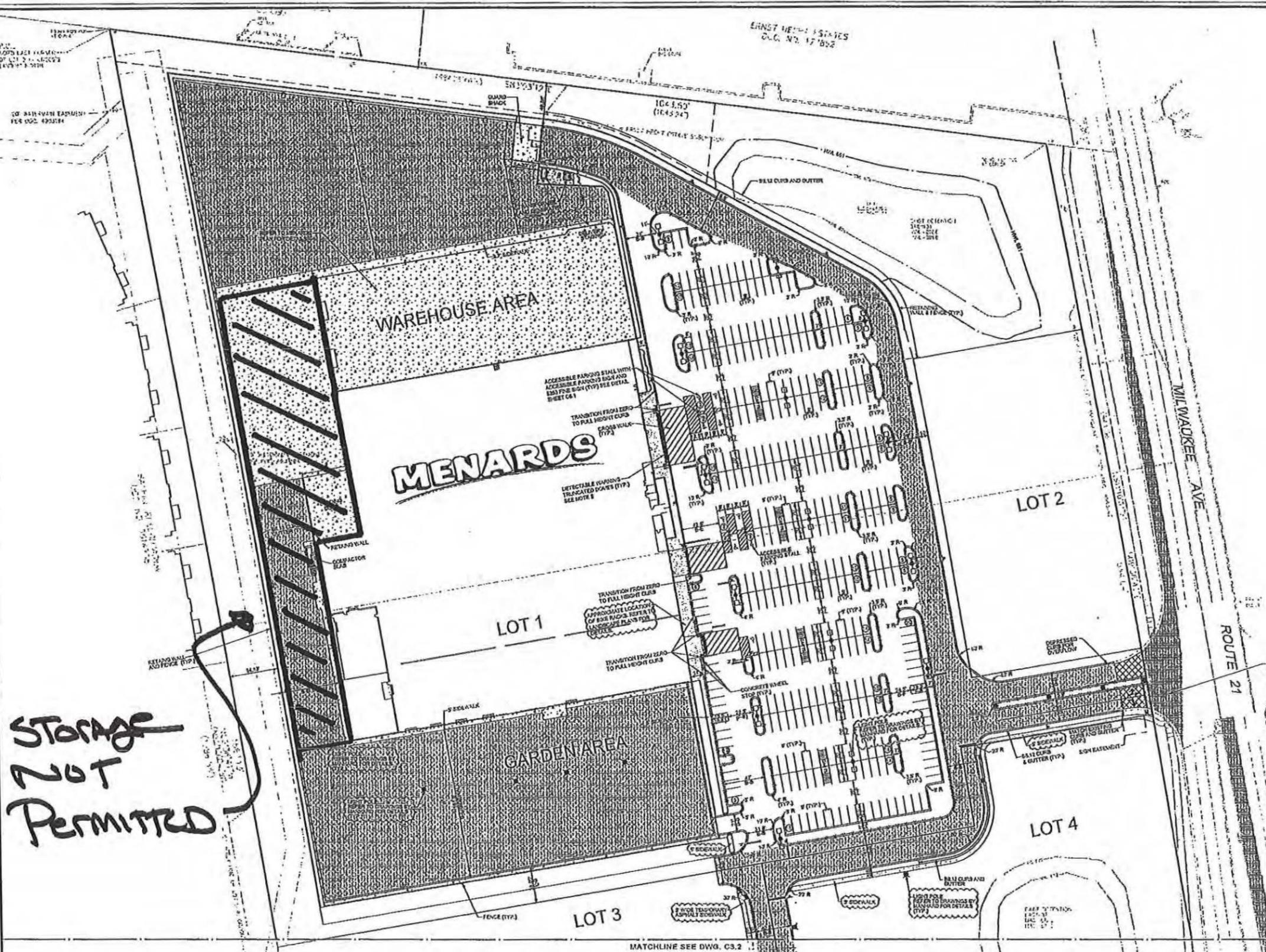
STANDARD PITCH 8:12 CONCRETE CURBS AND GUTTERS

REVERSED PITCH 8:12 CONCRETE CURBS AND GUTTERS

14:1 CONCRETE DEEPENED CURBS AND GUTTERS

**PARKING SUMMARY**

REGULAR STALLS = 208  
 ACCESSIBLE STALLS = 8  
 TOTAL STALLS = 216



**V3 Companies**  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 830.724.9200 phone  
 830.724.9202 fax  
 www.v3co.com

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	05-12-11	PER VERN HILLS	
2	05-27-11	PER VERN HILLS	

PROJECT NO:	10068.MNRD	DESIGNED BY:	RMW
FILE NAME:	C3.1 LAY	DRAWN BY:	NRS
ORIGIN DATE:	03-14-14	CHECKED BY:	JRB
SCALE:	1"=50'	PROJECT MANAGER:	JRB

**MENARDS**  
 1860 N. MILWAUKEE AVE.  
 ILLINOIS

**LAYOUT PLAN - NORTH**  
**C3.1**

DRAWING NO.

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EXHIBIT C

DEVELOPMENT PERMIT FOR MENARD  
Gregg's Landing North Commercial Property

WHEREAS, upon due notice and after public hearings held May 28, 2014 and July 9, 2014 and continued from time to time by the Planning and Zoning Commission of the Village of Vernon Hills, and pursuant to the Vernon Hills Zoning Ordinance of 1982, as amended, said Planning and Zoning Commission has filed its report concerning said petition as listed above.

WHEREAS, Tom O'Neil, of Menard, Inc. ("Menard"), in regard to Property legally described in Exhibit A, has petitioned the Village of Vernon Hills for approval of the following:

1. Approval of a Special Use Permit for a Planned Unit Development to allow a development consisting of four lots.
2. Preliminary and final site/improvement approval for Planned Unit Development and Lot 1, subject to conditions.
3. Preliminary and final approval of the Plat of Subdivision for Menard at Gregg's Landing.
4. Preliminary and final approval of the Landscaping Plans, subject to conditions set forth below.
5. Preliminary and final approval of the architectural elevations for Lot 1, subject to the conditions set forth below.
6. Preliminary and final approval of the Site Lighting Plan, subject to the conditions set forth below.
7. Final approval of the Building and Site Signage Plans, subject to the conditions set forth below.

WHEREAS, it has been determined that the granting of approval of the Planned Unit Development will have no serious and depreciating effect upon the value of surrounding property and will have no adverse effect upon the character of the neighborhood, public utility facilities or other matters pertaining to the public health, public safety and general welfare; and

WHEREAS, it has been further determined that construction of the improvements on Lot 1, being the Menard Home Improvement Store, specifically complies with the type and nature of permitted uses authorized on the Property under the applicable regulations, being Exhibit F of the original Annexation Agreement, and Village Zoning Ordinance, Menard being found to be a Retail Commercial Use as defined therein; and

WHEREAS, as a part of the site improvement plans, the owners of Lot 1 shall be responsible for or will cause the installation, maintenance, repair and replacement of the storm sewer lines on Lot 1 up to the western property line of the Project Property, being Lot 1; and

WHEREAS, based upon the evidence adduced at said hearings and in their application, the petitioner has entered into the record evidence and findings of fact that addresses the conditions in Sections 18.3 and 21.7 of the Zoning Ordinance; and

WHEREAS the Village Board has reviewed the proposed development of Menard as a PUD which is located at the corner of Gregg's Parkway and Milwaukee Avenue and specifically development of the Menard PUD which will contain 4 lots and the access road connections to Milwaukee Avenue and Gregg's Parkway, a Menard and 3 outlots and has taken into account the recommendations of the Village Staff and the Planning and Zoning Commission; and

In consideration of the foregoing as set forth herein, the Village grants to the property owners, Menard, consistent with Ordinance 2014-029 (the Ordinance), a final development permit for Menard subject to the following conditions:

#### CONDITIONS OF APPROVAL

1. Menard shall enter into an agreement with the Libertyville Ridge Condominium Association ("Liberty Ridge") for the installation of 5 trees on the Libertyville Ridge property.
  - a. With consultation with the Village of Vernon Hill's Landscape Technician, the Association shall determine the variety, size (between 8 feet and 12 feet in height), and location of said trees.
  - b. In the event that the Village's Landscape Technician determines that there is insufficient land area to plant 5 trees in such a way that all trees will have adequate space to grow, then it shall be the decision of the Village's Landscape Technician to reduce the number of trees accordingly.
  - c. These trees will be planted by Menard and shall include a 3 year warranty at no cost to the Association, but will be maintained by Libertyville Ridge at the Association's expense.
  - d. Menard shall investigate the operation of the Bayhill Homeowners Association ("Bayhill") detention pond and shall make all necessary improvements to that pond to ensure that in the event that the pond overflows its banks, the storm water shall flow directly to Menard property and then the storm water shall be directed by Menard to the appropriate Milwaukee Avenue storm sewer. No additional storm water shall be allowed to flow from the Bayhill detention pond onto the Libertyville Ridge properties.
  - e. In the event that no agreement can be made between Menard and the adjacent and Bayhill Association, Menard shall reimburse Bayhill for the cost of purchasing and constructing the improvements contemplated in the above Subpart d.
  - f. The Libertyville Ridge Association shall grant Menard a temporary easement and/or license agreement providing Menard with sufficient access to the Liberty Ridge properties to properly perform all work contemplated by this condition.
2. Menard shall enter into an agreement with the Bayhill Association for the following:

- a. Bayhill shall grant to Menard a temporary easement and/or license agreement providing Menard with sufficient access to the Bayhill properties to properly perform all work contemplated by this condition and condition number 1-d above.
  - b. Menard shall plant 18 additional trees on the Bayhill property. The exact type, size and location of said trees shall be determined at such time as landscaping on the Menard property is completed and the Menard property is viewed from the Bayhill properties to determine specifically where additional screening is required.
    - i. The specific tree species, sizes (between 8 feet and 12 feet in height) and the location of their planting shall be reviewed and approved by both the Village's Landscape Technician and Bayhill to ensure they are appropriate to accomplish the desired screening.
    - ii. Menard shall provide a three-year warranty on the trees installed on the Bayhill property and Menard shall be responsible for all removal and replacement expenses during the three-year term so long as Bayhill properly maintains and waters the trees after installation by Menard and so long as the appropriate access rights are granted to Menard to perform said work, if any.
    - iii. In all matters involving maintenance disputes that cannot be resolved independently, the Village shall act as arbiter.
  - c. Menard shall maintain its landscaping and irrigation system from its own Property or with permission from the Bayhill Association or owner of an adjacent outlot. Any damage incurred through acts involving the above maintenance activities shall be the responsibility of Menard.
  - d. In the event that no agreement can be made between Menard and the adjacent Libertyville Ridge and Bayhill Associations, Menard shall reimburse Bayhill and Libertyville Ridge for the cost of purchasing and installing the 18 and 5 trees respectively and any and all maintenance costs for a period of 2 years.
3. Menard shall install that portion of the landscaping proposed to be planted on the top of the western berm by the end of 2014 or at the beginning phase of construction, whichever is earliest. The Village acknowledges that there may be limits, due to the time of year/season, that certain plant materials may not be available. But to the extent practical and with the agreement by the Village, the plantings along the west berm shall be fully implemented consistent with this condition of approval. The remaining landscaping planned for the western berm shall be planted no later than June 30, 2015.
  4. Evergreen trees shall be sufficiently utilized to provide screening on the west berm adjacent to Bayhill. The types and number of evergreen trees shall be subject to the review and approval of the Village Landscape Technician.
  5. The Planning & Zoning Commission and Village Board shall review and approve all site, landscaping and architectural plans for any vacant lot/outlot and/or new building(s).
  6. The landscape plans for Lot 1 and all subsequent Lots require the inclusion of bike racks. The design, number and locations of these racks shall be reviewed and approved by the Village Landscape Technician and shall be installed prior to Village issuance of an Occupancy Certificate.

7. The lighting fixtures on Lot 1 shall include shields to direct the light downward and the overall lighting will be consistent with the cut sheets attached in Exhibit B of the Ordinance and notwithstanding the foregoing, shall comply with Village Code requirements.
8. Menard will install globe lighting that has improved shielding of glare. Menard will move the light source higher into the globe to have the light reflected downwards.
9. The lighting on the security shed at the Yard Entrance shall be recessed flush with the bottom side of the canopy. The interior lights within the storage area on the north side of the building will be recessed into the ceiling and shall not extend below the bottom chord of the roof trusses.
10. Lighting within all signage will be evenly distributed and energy efficient.
11. The lighting in the parking lots and access drives, and at the approval of the Village, any changes to the previously submitted lighting plans, will comply with the Village's standard for parking lot lighting, which is 25 foot poles and standard shoe-box style fixtures with 400W bulbs and shall be applied to the property consistent with the Shoppes of Gregg's Landing project and the parking lot lighting shall be calculated based on a light loss factor of 1.0.
12. The Village's standard ornamental lights shall be installed along the entrance magazines adjacent to Gregg's Parkway and Milwaukee Avenue and shall be consistent with the ornamental lights at the Shoppes at Gregg's Landing.
13. Prior to issuance of a building permit changes to the previously submitted photometric plan shall be reviewed and approved by the Village Engineer and Building Commissioner to ensure appropriate shielding is provided.
14. The exterior stair cases shall be fully enclosed.
15. The screening material for the Roof Top Units shall be changed from green to white, shall be provided on all sides for the Roof Top Units, and shall utilize a metal roof mounted system.
16. The color of the peaked roof from the rear elevation shall be changed to white.
17. The gray adhered roof membrane on the second story of the right side elevation shall be changed to white.
18. The cornice on the monument signs shall match the pilasters of the front building elevation.
19. Menard shall provide the Village material information for the lift gates to the lumber yard, and the material shall be reviewed and approved by the Building Commissioner prior to issuance of a building permit.
20. Menard shall change the cart corral to black in color and shall match the same aesthetic design and quality of Marianos style corrals at the Shoppes at Gregg's Landing. The design of the cart corrals shall be reviewed and approved by the Village Building Commissioner.
21. Signage for cart corrals and return pens shall be informational in nature and shall contain no commercial advertising of any kind. The maximum size of these signs shall be 3 square feet.
22. Menard shall revise the second story windows to the left and right of the entranceway and alter the first floor windows to eliminate the 'floating' appearance with a brick soldier course.
23. The base layer of brick on the monument sign shall be incorporated into the pilasters on the front elevation of the Menard building to a minimum height as

- determined by the Building Commissioner and consistent with the direction by the Planning & Zoning Commission.
24. Unless otherwise noted in a Condition of Approval, the Material Sample Board and Building Elevations prepared by Bowers Associates and presented to the Planning and Zoning Committee on July 9, 2014 shall be the type and materials of the proposed Menard development.
  25. No outside storage shall be permitted in the outside area adjacent to and to the west of the building, as more specifically depicted in Exhibit B of the Ordinance. Striping shall be installed at Menard' expense in accordance with Exhibit B of the Ordinance to designate where outside storage is prohibited.
  26. All plans referenced in the Recitals of this Ordinance, after revision by Menard pursuant to the Recitals, shall be reviewed and approved by the Village Engineer, Building Commissioner, the Assistant Village Manager, and the Landscape Architect prior to Menard submitting construction plans for a building permit.
  27. No outdoor sales shall be permitted on the site without prior approval by the Village Board of Trustees for each event, unless otherwise determined by the Village Board of Trustees.
  28. The Building Commissioner shall review and approve the type of building protection, i.e. bollards, curbing, etc, to prevent damage to the building for those portions of the building not protected by curbs, except those on the north side of the building.
  29. The Village Attorney shall review and approve the Reciprocal Easement Agreement ("REA") documents for the project.
  30. Shared parking between Lot 1 and Lot 2 shall be permitted and shall be included in the REA documents or other documents as required.
  31. Unless otherwise stated herein, all signage shall comply with the Village's sign ordinance, as per Chapter 19 of the Code of Ordinances.
  32. No driveway access shall be allowed from the entrance magazine off Milwaukee Avenue to or from Lot 2.
  33. For any asphalt shingle used within the development, a minimum of a 30 year, random tab, architectural grade shingle shall be used.
  34. No parking spaces on site shall be converted to compact car size parking spaces so as to increase the total number of parking spaces without review and approval by the Village Board.
  35. Menard shall comply with all current technical review comments. Excepting that Menard shall specifically be permitted the perpendicular parking in accordance with the site plan.
  36. Menard shall provide an aesthetic retaining wall using stamped form liner or other aesthetic enhancement to provide a textured look to the wall for the northeast detention pond (Basin 31).
  37. Parking lot islands, median entrance magazines and adjacent parkways, and grass areas of the magazine shall be irrigated as required by Village Code and the Village Landscape Technician.
  38. Menard shall design, and use their best efforts to obtain required permits, and if said permits are issued, shall construct a traffic signal (including opticom and cable interconnect with Milwaukee Avenue) on Gregg's Parkway at the main southern entrance to the Property and shall pay for a proportionate share of the cost for the

signal and related installation costs. This cost will not exceed 50% of the cost and will be shared with the owner of the parcel south of Gregg's Parkway. The traffic signal shall be completed and be functional prior to issuance of a Certificate of Occupancy.

39. Menard shall comply with all ordinance and standards of the Village except as otherwise set forth in this Ordinance.
40. Menard shall instruct delivery drivers and companies to use only the Milwaukee Avenue and Gregg's Parkway east of the site as an entry to the site and shall prohibit deliveries from 8:00 PM to 7:30 AM, except for emergencies and weather related issues.
41. There shall be no overnight parking or idling of trucks anywhere on the Property, excepting Menard delivery trucks and pick up and go trucks (this will include a single axle Master Lift 5000 with attached forklift, one box truck with a 16 foot box, one semi-cab tractor with two 47 foot trailers (to be parked in the material yard), and two pick up and go rental trucks).
42. Menard shall maintain consistency of building materials between the architectural elevations and the monument signs.
43. Menard shall remove all setback lines from Lot 2, 3, and 4. Said setbacks and any proposed variations shall be considered at the time of development of said Lots.

This Development Permit ("Permit") was granted to Menard on July 22, 2014 subject to the terms and conditions contained herein. Until the project has received a Final Certificate of Occupancy for Menard, this permit is not transferable to any entity in which Menard or an affiliate of Menard who does not have an ownership interest as a general partner in a partnership, a membership interest in a limited liability company, or a similar role unless such successor developer is presented to the Board of Trustees for the Village approval which shall not be unreasonably withheld. This restriction shall not apply to a transfer to or at the direction of a holder of a construction mortgage on the property by reason of a default under a construction loan, or to a transfer to a partner, member, or other owner in an ownership entity by reason of a default by Menard. Those terms and conditions remain in full force and effect. This Permit is also transferable to any individual lot owners within the development upon issuance of Final Certificate of Occupancy. All the conditions and restrictions herein are binding on all successors and assigns.

The Board of Trustees of the Village of Vernon Hills on July 22, 2014 has authorized the Village President to execute this Agreement.

VILLAGE OF VERNON HILLS

By: \_\_\_\_\_  
Roger Byrne  
Village President

ATTEST:

By: \_\_\_\_\_  
John Kalmar  
Village Clerk