08PD017

LOCATION

LOCATED IN THE S1/2 OF NE1/4, N1/2 OF SE1/4, NE1/4 OF SW1/4 AND THE SE1/4 OF NW1/4 SECTION 32, T2N R8E, BHM RAPID CITY PENNINGTON COUNTY SOUTH DAKOTA

PROPERTY DESCRIPTION

A TRACT OF LAND located in the SE 1/4 of the NW 1/4, the SW 1/4 of the NE 1/4, the NW 1/4 of the SE 1/4 and the NE 1/4 of the SW 1/4 of Section 32 T2N R8E BHM, Pennington County, South Dakota consisting of Lots 1,2,3 and 6, all of Tract A, Menard subdivision

EXISTING MENARD TRACT
664,269 ± SQ. FT
15.249 ± ACRES

NEW MENARD TRACT
723,390 ± SQ. FT
16.607 ± ACRES

CODE DATA SUMMARY

2008

I—BUILDING CODE CRITERIA

BUILDING CODE: 2003 INTERNATIONAL BUILDING CODE; RAPID CITY AMENDMENT
BUILDING USE: MERCANTILE
TYPE OF CONSTRUCTION: TYPE II-B
FIRE CODE: NONE

TOTAL BUILDING AREA: 151,863 SQ. FT.
GROSS BLDG. FLOOR AREA (FIRST FLOOR ONLY): 151,863 SQ. FT.
TOTAL ALLOWABLE AREA: UNLIMITED

II—DESIGN LOADS:

P_d = 45 PSF (SINGLE SPAN)
P_d = 35 PSF (UNVENTED ROOF) (UNE ROOF 20 PSF)
P_s = 1.0
P_i = 1.0
I_w = 1.0

ROOF DEAD LOAD: 15 PSF
FLOOR (UNE LOAD): 250 PSF
FROST DEPTH: 42 IN.

ALL SOIL BEARING CAPACITY: 3000 PSF
WIND LOAD: ASCE-7
Vult 3 SEC SPEED: = 120 MPH
I_w = 1.0
EXPOSURE FACTOR: = C
PARTIALLY ENCLOSED BUILDING:
INTERNAL PRESS. COEFF.: = +/- 0.55
COMPONENTS & CLADDING PRESSURE: = +/- 42 PSF
I_w = 1.0
SEISMIC (EQUIVALENT RESPONSE ACCEL.
S_s = 0.243 S_1 = 0.063
STRUCTURAL RESPONSE COEFF.
S_{ds} = 0.231 S_{d1} = 0.084
SEISMIC DESIGN CATEGORY = B
I_w = 1.0
SEISMIC FORCE RESISTING SYSTEM:
ORDINARY REINF. CONCENTRICALLY BRACED FRAME
ANALYSIS PROCEDURE:
SIMPLIFIED PROCEDURE

III—MATERIAL SPECIFICATION:

CONCRETE/REINFORCEMENT
CONCRETE: TYP. 4" SLAB (UNTO MAX.)
CONCRETE, FTGS, WALLS, PIERS: f'_c = 3000 PSI
CONCRETE, SLABS ON GRADE: f'_c = 3000 PSI
CONCRETE SLABS @ PIERS: f'_c = 3000 PSI
CONCRETE, CORE FILL GROUT: f'_c = 2000 PSI ASTM C476
CONCRETE, MASONRY UNITS: f'_m = 1500 PSI ASTM C90
MORTAR: TYPE S = NORMAL WEIGHT ASTM C270
ASTM C270
TYPE S = 1800 PSI - ALL CASES, UNLESS OTHERWISE NOTED
TYPE S = 700 PSI
REINFORCING BARS: ASTM A615 (GRADE 60)
WELDED WIRE REINFORCEMENT: ASTM A185 (GRADE 60)
WELDED WIRE REINFORCEMENT: ASTM A185

STRUCTURAL STEEL
WIDE FLANGE SHAPES: ASTM A992 F_y = 50 KSI
ANGLES, PLATES, BARS, ETC.: ASTM A36 F_y = 36 KSI
CONNECTS AND MISC. STEEL: ASTM A36 F_y = 36 KSI
RECTANGULAR TUBES: ASTM A500 GRADE B F_y = 46 KSI

TIMBER
SPF #2 OR BETTER UNLESS NOTED OTHERWISE

EXPT. AND WOOD FRAMING
STEEL STUDS, CHANNELS, ETC.: ASTM A653 (GRADE 33)

CONNECTIONS
BOLTS: ASTM A325-N
ANCHOR RODS: ASTM F1554 GRADE 36
NON-SHRINK GROUT: ASTM C1107 (Fc = 5000 PSI)
EXPANSION BOLTS: KWIK-BOLT II OR BETTER
WELDING ELECTRODES: E70XX

LEGEND

	PROPERTY LINE
	EXISTING SCREENING STRUCTURE
	NEW SCREENING STRUCTURE
	NEW CONSTRUCTION
	EXISTING PARKING LOT LIGHTS
	400W COBRA HEAD YARD LIGHTS TO BE RELOCATED
	NEW 400W COBRAHEAD YARD LIGHTS 19' HIGH
	SILT FENCE

LANDSCAPE LEGEND

SYMBOL	SCIENTIFIC, COMMON NAME	SIZE	QUANTITY
E	EXISTING BLACK HILLS SPRUCE	EXISTING	
TBR	TREES TO BE RELOCATED		4
RT	RELOCATED TREES		4
	NEW COLORADO BLUE SPRUCE/BLACK HILLS SPRUCE	6' HIGH	6
S	HYDROSEED		

I-90 BUSINESS LOOP C.L.

SD 230

L=649.01' Δ=09°33'55" R=3889.74'

RETAIL OUTLOTS AVAILABLE

EELIN ROAD

N 39°37'31" E 400.60'

S 89°46'45" E 1298.00'

N 00°13'15" W 1065.60'

N 89°46'45" W 1298.00'

S 00°13'15" E 1065.60'

NOTE:
ALL CONTOUR LINES ARE APPROXIMATE, BASED ON 5' INTERVALS FROM PREVIOUS DESIGN

592 TOTAL PARKING SPACES

OUTLOT
66,1839 SQ. FT
1.5226 ACRES

OUTLOT
1,109,516± SQ. FT
25.478 ACRES

MENARDS

BUILDING AREA: 172,246 SQ. FT.
GARDEN CENTER AREA: 15,670 SQ. FT.
TOTAL BUILDING AREA: 187,916 SQ. FT.
RETAIL AREA: 104,713 SQ. FT.
WAREHOUSE AREA: 14,136 SQ. FT.
GARDEN CENTER AREA: 43,734 SQ. FT.
PROPOSED DELIVERY STARTING BEARING: S 01°48'46" E 1,882.53 FT.

EXISTING YARD AREA
178,251 ± SQ. FT
4.09 ± ACRES

PROPOSED YARD AREA
200,644 ± SQ. FT
4.6 ± ACRES

N 00°13'15" W 1065.60'

S 89°46'45" E 1657.00'

PROJECT SITE

VICINITY MAP

Rapid City Growth Management Plan

APR 2 2 2008

PALLET RACKING SLAB & SCREENING STRUCTURE

HEAVY DUTY PAVING SECTION

PAVEMENT DETAIL

NOTE:
CONTRACTOR SHALL COORDINATE WEEKLY INSPECTIONS AND REPORT ON ALL SOIL EROSION CONTROL MEASURES, OR AFTER A RAIN EVENT OF 1/2" OR MORE. REPORTS ARE TO BE KEPT IN THE FIELD OFFICE AND A COPY IS FAXED TO MENARD INC. EACH WEEK. CITY ENGINEERING DEPT IS TO BE COPIED ON ALL EROSION/SEDIMENT CONTROL REPORTS.

CONSTRUCTION ENTRANCE FROM THE SITE WILL BE LIMITED TO MENARDS PARKING LOT

CONTRACTOR TO POST THE APPROVED PERMIT (LAMINATED) IN THE JOB TRAILER AND MAINTAIN A STORM WATER AND EROSION CONTROL LOG.

EROSION AND SEDIMENT CONTROL CONSTRUCTION

UNLESS OTHERWISE INDICATED, ALL VEGETATION AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF RAPID CITY, SOUTH DAKOTA.

THE RAPID CITY ENGINEERING DEPARTMENT MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

A COPY OF THE APPROVED SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO ADDITIONAL PHASES OF DEVELOPMENT AND OFF SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION.

ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER 1/2" RAIN EVENT

IN AREAS WHERE WORK IS COMPLETED, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION. IF CONSTRUCTION HAS TEMPORARILY CEASED FOR 21 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 14TH DAY AFTER WORK IS CEASED.

NOTES REGARDING 2004 MAJOR AMENDMENT TO PCD

STORM DRAINAGE:
THE DESIGN IS IN CONFORMANCE WITH THE 1997 MENARDS DRAINAGE PLAN.

THE METERING DAM WAS CONSTRUCTED BY MENARDS. THE INITIAL SIZING AND CONSTRUCTION OF THE DAM ALLOWS FOR FULL DEVELOPMENT OF THAT PART OF MENARDS SUBDIVISION WITHIN THE RAPID CREEK BASIN WITH NO IMPROVEMENTS TO THE DAM. ALL IMPROVEMENTS WITH THIS ADDITION ARE WITHIN THE RAPID CREEK BASIN AND ARE ALREADY ACCOUNTED FOR WITH THE INITIAL DAM CONSTRUCTION.

WATER SYSTEM
NO IMPROVEMENTS TO THE WATER MAINS/SERVICE LINES ARE ANTICIPATED.

SANITARY SEWER SYSTEM
NO IMPROVEMENTS TO THE SANITARY SEWER MAINS/SERVICE LINES ARE ANTICIPATED.

MENARD INC
PLANNING & DEVELOPMENT DEPARTMENT
EAU CLAIRE, WISCONSIN

PROJECT TITLE: MENARDS RAPID CITY, S D

SHEET TITLE: PROPOSED SITE PLAN

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1			
2			
3			
4			

SCALE: 1" = 100'
CAD DWG NAME: RAPID CI
DRAWN BY: DSG/D-ID
SHEET NO
DATE: 4/22/08