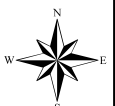


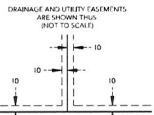
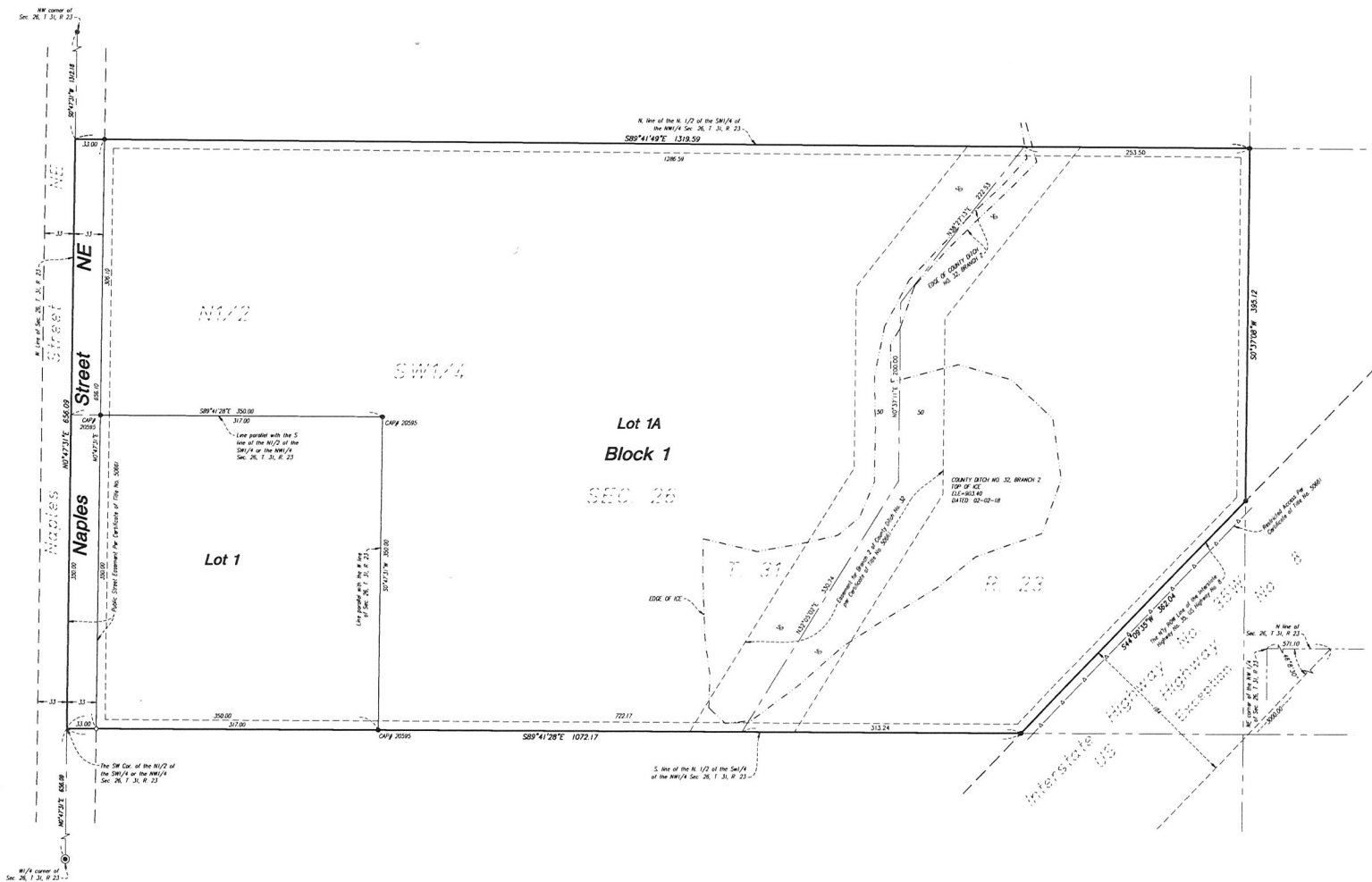
Case File No. 18-0032
Crown Iron Works

Blaine Planning Department / 10801 Town Square Dr NE / Blaine, MN 55449 / (763) 785-6180



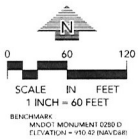
J.W. BLAINE YARD ADDITION

City of Blaine
County of Anoka
Sec. 26, Twp. 31, Rge. 23

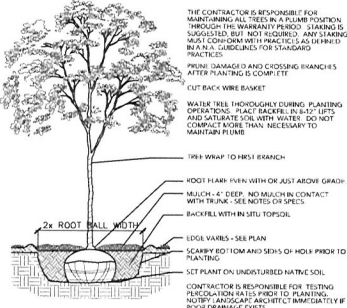


BEING 10 FEET IN WIDTH, UNLESS OTHERWISE INDICATED AND ADJOINING LOT LINES AND BEING 10 FEET IN WIDTH, UNLESS OTHERWISE INDICATED AND ADJOINING RIGHT-OF-WAY LINES, AS SHOWN ON THE PLAN.

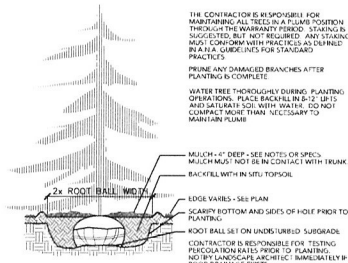
- BEARINGS ARE BASED ON THE WEST LINE OF SEC. 26, T. 31, R. 23 HAVING A BEARING OF N64°31'1\"/>
 - DENOTES 1/2 INCH X 1/2 INCH IRON MONUMENT SET MARKED 'LS-RS-R'
 - DENOTES 1/2 INCH IRON PIPE MONUMENT FOLDED UNLESS OTHERWISE NOTED
 - ⊙ DENOTES CAST FROM MONUMENT
 - DENOTES RIGHT OF ACCESS



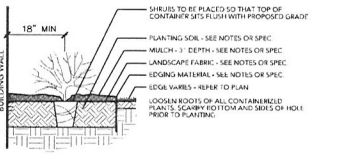
LOUCKS



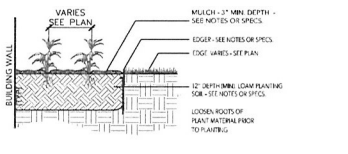
XX DECIDUOUS TREE PLANTING DETAIL
SCALE: 3/4" = 1'-0"



XX CONIFEROUS TREE PLANTING DETAIL
SCALE: 1/2" = 1'-0"



XX SHRUB PLANTING DETAIL
SCALE: 3/4" = 1'-0"



XX PERENNIAL PLANTING
SCALE: 3/4" = 1'-0"

LANDSCAPE INSTALLATION

COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING. INSTALLATION WILL BE INSTALLED UNTIL COMPLETE GRADING AND NO PLANTING WILL BE IN PROGRESS.

NO PLANTING WILL BE IN PROGRESS UNTIL THE IMMEDIATE AREA WHERE SOIL HAS BEEN REPAIRED TO ORIGINAL GRADE. SOIL SHOULD BE REPAIRED TO ORIGINAL GRADE WITH A MINIMUM OF 1% SLOPE. SOIL SHOULD BE REPAIRED TO ORIGINAL GRADE WITH A MINIMUM OF 1% SLOPE.

SOIL ALL DESIGNATED AREAS DISTURBED DUE TO GRADING. SOIL SHALL BE LAD PARALLEL TO THE CONTIGUOUS AND SHALL HAVE STAGED SLOPES OF 3:1 OR STEEPER THAN 3:1 OR IN EXCHANGE SWALES. THE SOIL SHALL BE STAKED TO THE GROUND.

ALL PLANT MATERIAL SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AMERICAN ASSOCIATION OF NURSERYMEN. UNLESS NOTED OTHERWISE, ALL SHRUBS SHALL HAVE 1 1/2" LEANS. ALL PLANTS SHALL BE PLANTED TO THE SPECIFIED HEIGHT OR WIDTH. ORNAMENTAL TREES SHALL HAVE NO V-CROTCHES AND SHALL BE IN A BROWN FINISH. NO LOWER THAN 2" ABOVE ROOT BALL. TRUNKS AND BOLLARDS SHALL BE BROWN BRANCHED AND LOWER THAN 5" ABOVE FINISHED GRADE.

ANY CONIFEROUS TREE PREVIOUSLY PRUNED FOR OVERHEAD TREE SHALL NOT BE USED. ALL CONIFEROUS TREES SHALL BE FULL GROWN, MAINTAIN TO THE SPECIES' WITHOUT PRUNING.

PLANTS MUST BE PLANTED OVER PLAN. SCHEDULE IF SPECIFICATIONS IN QUANTITIES LIST. SPECIFICATIONS TAKE PRECEDENCE OVER NOTES.

NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL IS OBTAINED FROM THE LANDSCAPE ARCHITECT BY THE LANDSCAPE CONTRACTOR PRIOR TO THE SUBMITTAL OF A BID AND/OR QUOTATION.

ALL PROPOSED PLANTS SHALL BE LOCATED AND STAKED AS SHOWN ON PLAN. ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN FIELD. SHOULD AN ADJUSTMENT BE REQUIRED, THE LANDSCAPE ARCHITECT MUST BE NOTIFIED.

ALL PLANT MATERIALS SHALL BE FERTILIZED UPON INSTALLATION WITH A 7-2-3 SLOW RELEASE FERTILIZER MIXED IN WITH THE PLANTING SOIL. FOR THE MANUFACTURER'S INSTRUCTIONS. PLANTS MAY BE WATERED FOR SUMMER AND FALL INSTALLATION WITH AN APPLICATION OF GRANULAR 20-10-10 FERTILIZER PER 1000 AND 3 GALLONS PER SHRUB WITH AN ADDITIONAL APPLICATION OF 2-3-1 THE FOLLOWING SPRING IN THE TREE SAUCES.

ALL PLANTING AREAS INCLUDING GROUND COVER, PERENNIALS, ANNUALS, AND/OR VINES SHALL RECEIVE A MINIMUM OF 12" DEPTH OF PLANTING SOIL CONSISTING OF AT LEAST 45 PARTS TOPSOIL, 45 PARTS PEAT OR MANURE AND 10 PARTS SAND.

ALL PLANTS TO BE INSTALLED AS PER PLANTING DETAILS. REMOVE ALL TAGS AND LABELS FROM PLANTS.

WRAPPING MATERIAL SHALL BE CONSIDERED PROTECTIVE QUALITY. 1" GAUZE WATERPROOF CLOTH PAPER MANUFACTURED FOR THIS PURPOSE. WRAP ALL DECIDUOUS TREES IN THE FALL PRIOR TO 15% AND REMOVE ALL WRAPPING AFTER 15%.

COMMERCIAL GRADE 5" BLACK POLY EDEGE TO BE USED TO CONTAIN

SHRUBS, PERENNIALS, AND ANNUALS WHERE DEEpest SOILS

SHRUBS, PERENNIALS, AND ANNUALS WHERE DEEpest SOILS ARE ENCOUNTERED:

MULCH SHALL BE 1" CHAIN SHREDDED HARDWOOD MULCH WITH UNIFORM PARTICLE SIZE. ALL ANNUAL AND PERENNIAL BEDS TO RECEIVE 1" OF MULCH WITH WOOD CHIP MULCH. ALL SHRUBS SHALL BE PLANTED TO RECEIVE 1" OF MULCH WITH A 1" DEEP MAT WITH MULCH. ALL TREES SHALL BE PLANTED TO RECEIVE 4" DEEP MULCH WITH MULCH IN DIRECT CONTACT WITH THE TRUNK.

SHRUBS GRANULAR FERTILIZER (PERIN) OR POLYMER MANUFACTURER'S RECOMMENDATIONS. USE 1/2" MULCH TO AREAS.

MAINTENANCE STEPS TO HAVE EDGES AND MULCH AS SPECIFIED INDICATED ON DRAWING OR IN SPECIFICATION.

ROCK MULCH SHALL BE 1" x 1/2" x 1/2" GRAVITY TRAP ROCK. 4" DRIP EDGES A 1" DEEP MAT WITH MULCH.

IF THE LANDSCAPE CONTRACTOR IS CONCERNED OR REQUIRES ANY DEFICIENCIES IN THE PLANT SELECTIONS, JOB CONDITIONS OR ANY OTHER SITE CONDITION WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL, OR GUARANTEE, HE MUST BRING THESE DEFICIENCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO PROCEEDING AND/OR INSTALLATION.

CONTRACTOR SHALL SUBMIT WRITTEN REQUEST FOR THE OWNER'S ACCEPTANCE INSPECTION OF ALL LANDSCAPE AND SITE IMPROVEMENTS.

CONTRACTOR IS RESPONSIBLE FOR ONSITE MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL THE DATE OF OWNER ACCEPTANCE. ANY ACTS OF VANDALISM OR DAMAGE FROM A MAJOR OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PROVIDE THE OWNER WITH A MAINTENANCE PROGRAM INCLUDING, BUT NOT LIMITED TO, WATERING, FERTILIZATION AND DISEASE/PEST CONTROL.

CONTRACTOR SHALL GUARANTEE NEW PLANT MATERIAL THROUGH ONE (1) YEAR FROM THE DATE OF OWNER ACCEPTANCE.

WARRANTY ONE (1) YEAR GROWING SEASON FOR LANDSCAPE MATERIALS SHALL BEGIN ON THE DATE OF ACCEPTANCE BY THE LANDSCAPE ARCHITECT AFTER THE COMPLETION OF PLANTING OF ALL LANDSCAPE MATERIALS. NEAR-FINAL ACCEPTANCE WILL BE CONSIDERED.

UNLESS NOTED OTHERWISE THE APPROPRIATE DATES FOR SPRING PLANT MATERIAL INSTALLATION AND SEEDING PLACEMENT IS FROM THE TIME GROUND HAS THAWED TO JUNE 15.

FALL SEEDING IS GENERALLY ACCEPTABLE FROM AUGUST 15 - NOVEMBER 15. FALL SEEDING FROM AUGUST 15 - SEPTEMBER 15. DOMINANT SEEDING IN THE FALL SHALL NOT OCCUR PRIOR TO NOVEMBER 15. FALL CONIFEROUS PLANTING MAY OCCUR FROM AUGUST 15 - OCTOBER 15 AND DECIDUOUS PLANTING FROM THE FIRST FROST UNTIL NOVEMBER 15. PLANTING OUTSIDE THESE DATES IS NOT RECOMMENDED. ANY ADJUSTMENTS MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.

PROTECT ALL EXISTING OAS OR SITE SCHEDULED TO REMAIN. IF EXISTING OAS ARE DAMAGED IN ANY MANNER, ABOVE OR BELOW GRADE, OR THE ROOT SYSTEM AN ADJACENT TREE, THE BARK PART SHOULD BE APPLIED IMMEDIATELY AFTER WOUNDING. OAS ARE NOT TO BE REMOVED, REMOVED OR DISAPPEARED BY TWELVE APRIL 15 AND JULY 1. NOTIFY LANDSCAPE ARCHITECT IF THESE DATES ARE UNAVOIDABLE.

LANDSCAPE CONTRACTOR SHALL ESTABLISH TO HIS SATISFACTION THAT JOB AND COMPLETION COVERING ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AT AND AROUND THE BUILDING SITE.

IRRIGATION / WATERING NOTES

IRRIGATION IS NOT PLANNED FOR THIS SITE. FOR THE HEALTH AND SURVIVAL OF ALL PROPOSED PLANTING, REGULAR WATERING OF THE PLANTINGS IS RECOMMENDED.

FOR ESTABLISHMENT OF PLANTINGS, THE CONTRACTOR IS TO REGULARLY WATER NEWLY INSTALLED PLANTINGS DURING PROTECTIVE PERIOD. CONTRACTOR TO PROVIDE OWNERS WITH WATERING RECOMMENDATIONS OR WATERING CONTRACT FOR THE YEAR WARRANTY PERIOD.

PLANT LIST

KEY	QTY	COMMON NAME	SCIENTIFIC NAME	SIZE	COMMENTS
OVERSTORY TREES - 33 TOTAL					
AB	8	AUTUMN BLAZE MAPLE	<i>Acer x freemanii 'Jefferson'</i>	2-1/2" CAL B.B. H 50-60' W 40'	
PN	6	PARKWAY NORWAY MAPLE	<i>Acer platanoides 'Parkway Norway'</i>	2-1/2" CAL B.B. H 40' W 25'	
BT	5	IMPERIAL MONSTROLOGIST	<i>Cedrus deodora 'Imperial'</i>	2-1/2" CAL B.B. H 30-35' W 30-35'	
BL	14	BOULEVARD LINDEN	<i>Tilia americana 'Boulevarde'</i>	2-1/2" CAL B.B. H 50-60' W 25-30'	
ORNAMENTAL TREES - 17 TOTAL					
PR	7	PRAIRIE ROSE CRABAPPLE	<i>Malus 'Prairie Rose'</i>	1-1/2" CAL B.B. H 20' W 20'	
SS	6	SPRING SNOW CRABAPPLE	<i>Malus 'Spring Snow'</i>	1-1/2" CAL B.B. H 25-30' W 15-20'	
ES	4	IVORY SILK LILAC	<i>Syringa reticulata 'Henry Silk'</i>	1-1/2" CAL B.B. H 25' W 15'	
CONIFEROUS TREES - 17 TOTAL					
RC	5	EASTERN RED CEDAR	<i>Juniperus virginiana</i>	6' HT H 30' W 15'	
BH	5	BLACK HILLS SPRUCE	<i>Picea glauca densata</i>	6' HT H 30-40' W 20-30'	
AP	7	ALBERTAN PINE	<i>Pinus nigra</i>	6' HT H 50-60' W 30-40'	
CONIFEROUS SHRUBS - 23 TOTAL					
SG	24	SEA GREEN JUNIPER	<i>Juniperus chinensis 'Sea Green'</i>	#5 CONT H 4'-6" W 3'-5"	
SJ	3	SCANDIA JUNIPER	<i>Juniperus sibirica 'Scandia'</i>	#5 CONT H 18" W 3'-5"	
DECIDUOUS SHRUBS					
DB	10	DWARF BUSH HONEYSUCKLE	<i>Diervilla lonicera</i>	#5 CONT H 3'-4" W 3'	
TS	16	TOR SPIREA	<i>Spiraea betulifolia 'Tor'</i>	#5 CONT H 3' W 3'	
LP	22	LITTLE PRINCESS SPIREA	<i>Spiraea japonica 'Little Princess'</i>	#5 CONT H 2'-3" W 3'	
NF	10	NEON FLASH SPIREA	<i>Spiraea japonica 'Neon Flash'</i>	#5 CONT H 3' W 3'-5"	
DV	21	DWARF EUROPEAN VIBURNUM	<i>Viburnum opulus 'Nanum'</i>	#5 CONT H 24" W 2'-3"	
GRASSES / PERENNIALS					
KF	6	KARL FOERSTER GRASS	<i>Calamagrostis acutiflora 'Karl Foerster'</i>	#1 CONT 24" O.C.	
PM	16	PARDON ME DANIEL	<i>Hemerocallis 'Pardon Me'</i>	#1 CONT 18" O.C.	
SD	28	STELLA DE ORO DANIEL	<i>Hemerocallis 'Stella de Oro'</i>	#1 CONT 24" O.C.	
AF	20	AUTUMN FIRE SEDUM	<i>Sedum x 'Autumn Fire'</i>	#1 CONT 24" O.C.	

CORPORATE HO-CROWN IRONWORKS
BLAIR, MISSOURI

MORTENSON
780 WEST LANE DRIVE
MINNEAPOLIS, MN 55422

LOUCKS
PLANNING
FIRM ENGINEERING
LAND SURVEYING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL
7520 Lyndale Avenue, Suite 300
Eden Prairie, MN 55349
Phone: (952) 942-1582
www.loucks.com

CADD QUALIFICATION

DATE: 10/20/17
DRAWN BY: WALTER HED CHAMBERLAIN
CHECKED BY: TERRY S. PANDOLFI
APPROVED BY: TERRY S. PANDOLFI
DATE: 10/20/17
PROJECT: CADD SUBMITTAL

SUBMITTAL REVISIONS

DATE: 10/20/17
REVISION: 1
DESCRIPTION: 1. REVISED CADD SUBMITTAL

PROFESSIONAL SIGNATURE

Project No.: 17-017
Date: 10/20/17

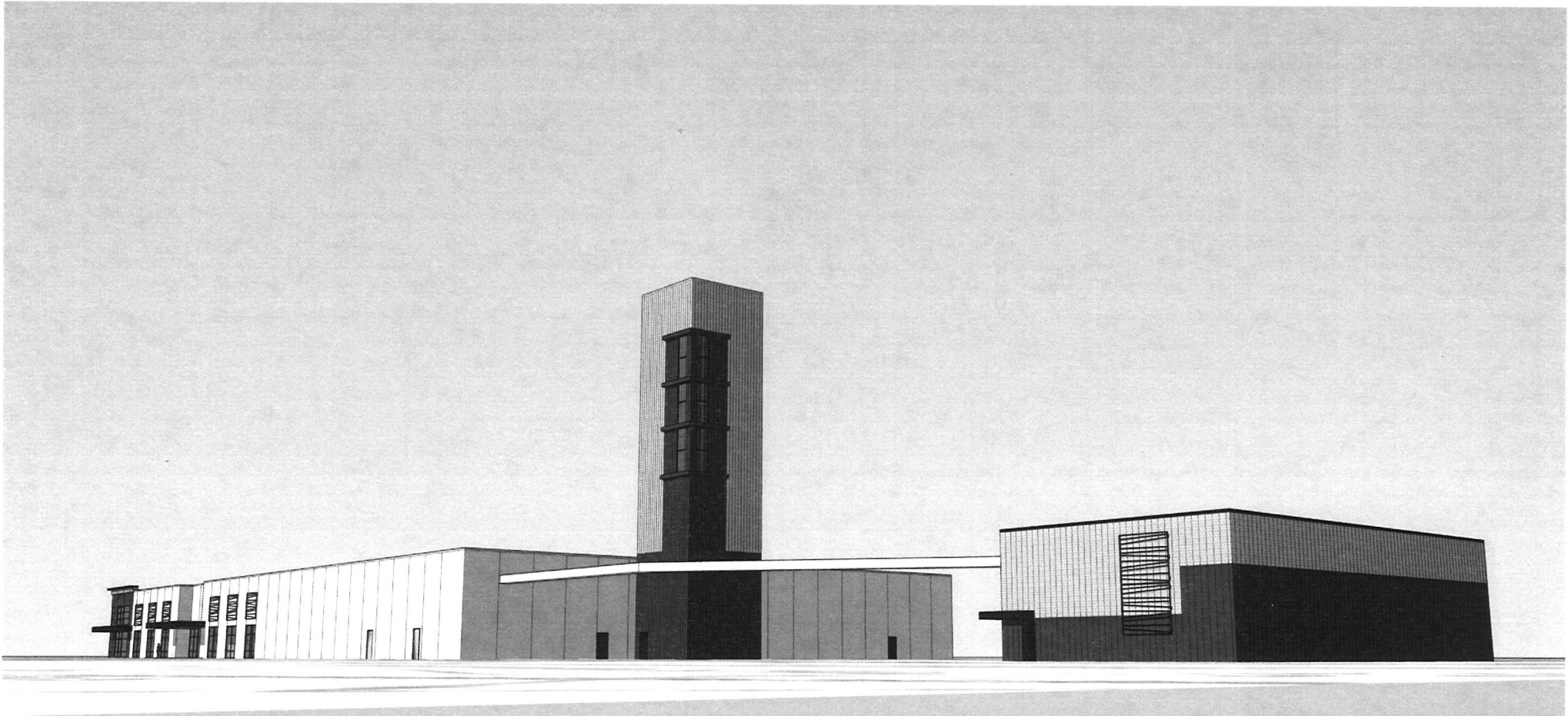
QUALITY CONTROL

Project No.: 17-017
Date: 10/20/17

REVISION INDEX

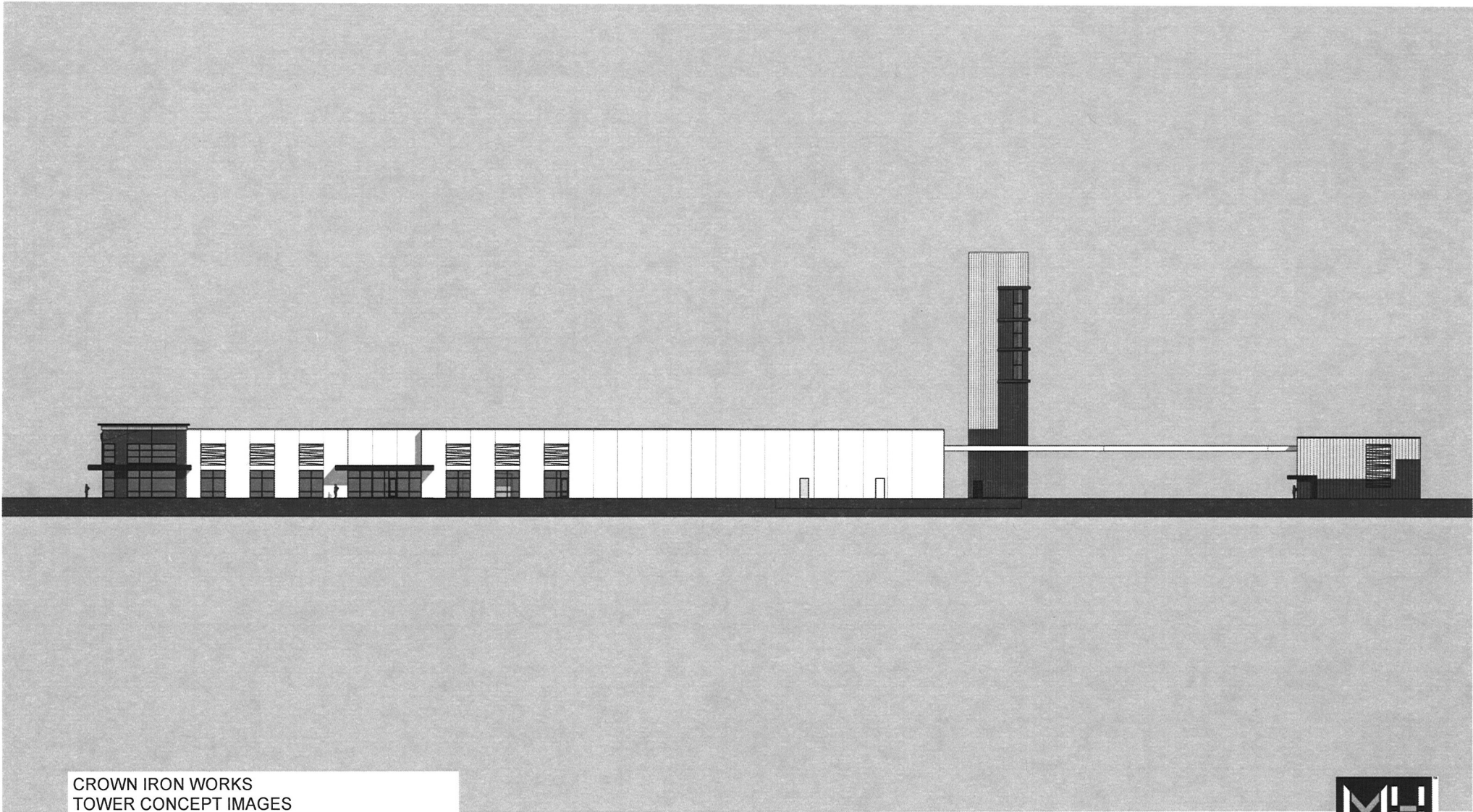
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9. REVISED CADD SUBMITTAL
10. REVISED CADD SUBMITTAL

LANDSCAPE DETAILS
L2-1



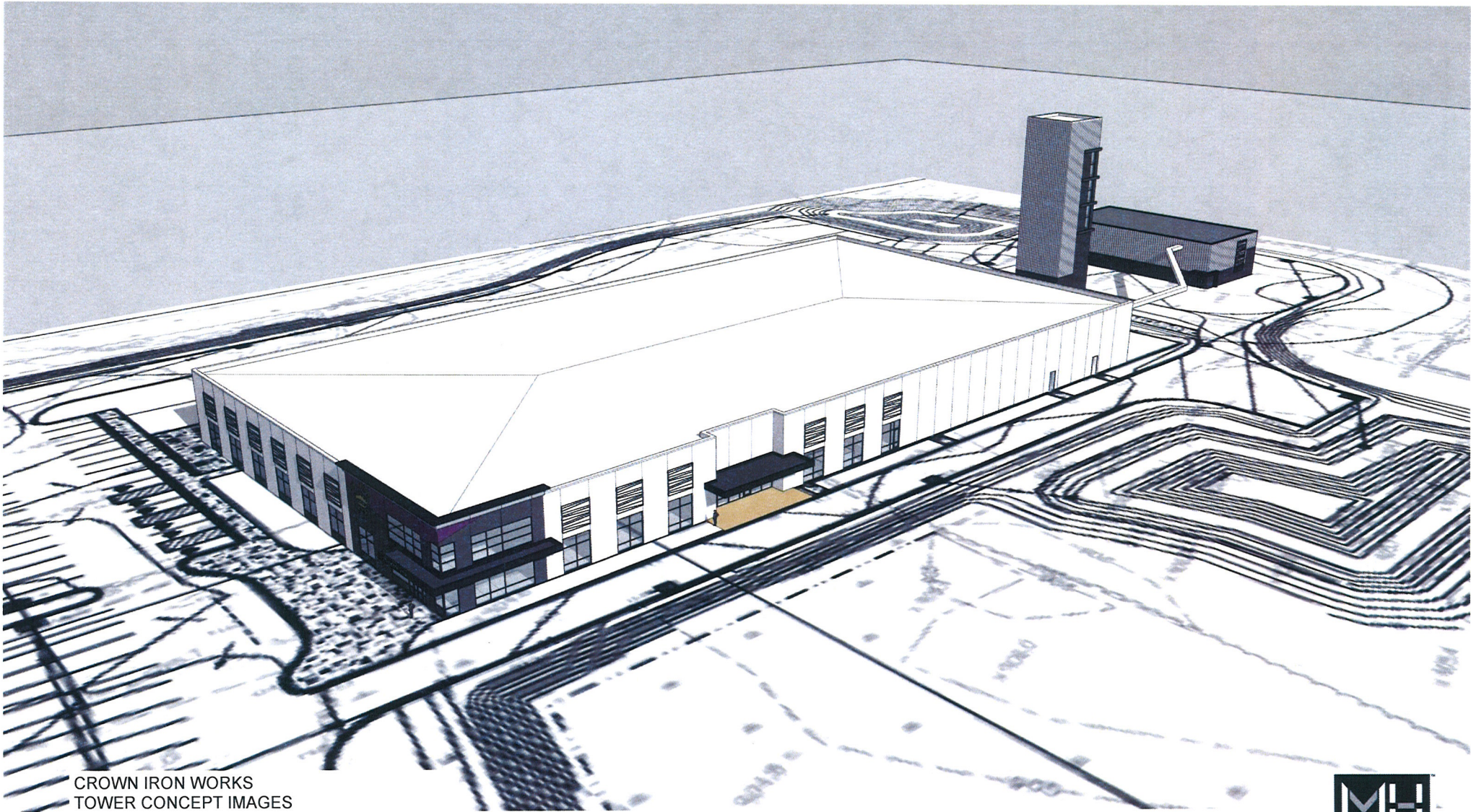
CROWN IRON WORKS
TOWER CONCEPT IMAGES
TOWER 1 - SOUTHWEST BIRDSEYE





CROWN IRON WORKS
TOWER CONCEPT IMAGES
TOWER 1 - SOUTHWEST BIRDSEYE





CROWN IRON WORKS
TOWER CONCEPT IMAGES
TOWER 1 - SOUTHWEST BIRDSEYE





M. A. Mortenson Company
700 Meadow Lane North
Minneapolis, MN 55422

main 763.522.2100
fax 763.287.5430
www.mortenson.com

May 11, 2018

RE: 9859 & 9879 NAPLES ST. NE
Blaine – Crown Iron Works Build-to-Suite

Dear Blaine Planning Department and City Staff:

Please find enclosed Mortenson's Preliminary/Final Plat, Conditional Use Permit, Variance Application, and Tax Increment Financing Application for Blaine – Crown Iron Works (Crown) Build-to-Suit. We are excited to be a partner with the City of Blaine on a project that will add to the vitality of the City and help make the Blaine 2040 Comprehensive Plan vision become reality.

A few things to note:

- Crown Iron Works Company ("Crown") is a global industrial equipment and engineering services provider for the oilseed processing and edible oil refining industries. Since 1878, Crown has led the industry with over 400 Crown designed facilities operating world-wide. Crown's world headquarters has been in Minnesota since founded.
- To sustain Crown's research and development activities, Crown requires a custom-designed space to meet their needs. Additionally, ample parking/loading dock areas are needed for employees for training and the shipping/receiving required for the companies continued growth.
- Crown's new World Headquarters in Blaine will include approximately 67,000 square feet (61,740 SF office/warehouse, 100' tower 576 SF, extraction plant 5000 SF) providing runway for the growth of Crown in Blaine. With Crown's track record of operating in Roseville for 26 years, the new office/industrial facility will create a tremendous long-term presence for the site, provide a new home for an organization with a global presence that will grow the local economy, and be a significant addition to the City's tax base.
- By relocating 102 jobs with an average income over \$90,000, this project supports the redevelopment of an obsolete or blighted site to a location that fosters job growth and becomes a catalyst to increase property values and create a more positive community image. Furthermore, the relocation of these jobs will support the viability and economic health of the commercial areas in Blaine.

We are excited to partner with the City of Blaine to deliver a new development that will add to the prosperity of Blaine and will advance many of the goals detailed within the *Blaine 2040 Comprehensive Plan*. Please do not hesitate to contact me if you have any questions regarding the attached applications at 763-287-3432 or brent.webb@mortenson.com.

Yours truly,

R. Brent Webb

Development Manager
Mortenson

EXHIBIT B

Description of and Reason for Request

To conduct Crown's research and development activities, Crown requires the use of an extractor lab, which must be compliant with NFPA (National Fire Protection Association) standards. To comply with the NFPA, the entirety of the exterior for the extraction plant must be of a light, non-combustible material. The proposed exterior is all metal panel (replicating the exterior of Crown's existing extraction lab), and introduces a graphic texture on a white panel, which was chosen with the idea of its subtle reference to the forms of chemical compounds in the diagram show below. The use of all metal panel, although compliant with NFPA standards, does not conform to the City's code requirement to create a façade with 35% or less metal panel, therefore, a variance to the building materials is required.

Similarly, the proposed 100-foot tower exceeds the City's code requirement to create a façade with 35% or less metal panel, therefore, a variance is required. The 100-tower, attempts to provide an approach to its design that resonates with the office/warehouse, as well as, the extraction lab, while providing a dynamic appearance, using glass and other elements, as illustrated on the building plans and elevations.

Although there is a need for a variance, the exterior articulation will achieve the City's vision to create industrial developments with higher standards and valuations due to the following reasons 1) the location of the extraction lab and 100-foot tower directly behind the larger office/warehouse building 2) the accessory nature of the smaller extraction lab building 3) the existing and planted landscaping that will hide the view of extraction lab and the majority of the 100-foot tower from 35W 4) the variation in metal panel materials as described above and as illustrated in the exterior elevations.

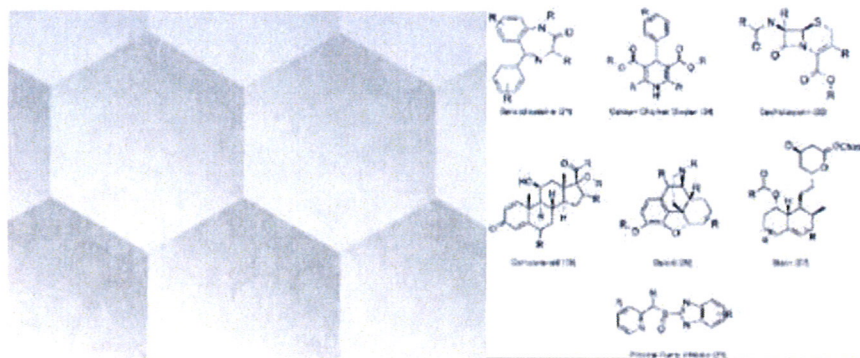


EXHIBIT B

Description of and Reason for Request

Crown Iron Works Company (“Crown”) is a global industrial equipment and engineering services provider for the oilseed processing and edible oil refining industries. Crown’s divisions include preparation, mechanical pressing, solvent extraction, specialty extraction, refining, biodiesel and oleochemicals.

Crown is involved in the research and development of new materials processing technology. To sustain these research and development activities, Crown requires a custom-designed space to meet their needs. Additionally, the extractor lab must be compliant with NFPA (National Fire Protection Association) standards, and ample parking area/loading docks areas are needed for employees, for training, and the shipping/receiving required for the companies continued growth.

In addition to the office/warehouse and extraction lab, Crown Iron Works intends to incorporate a pilot plant for their Liquids group. The equipment required for these processes must be 100’ tall as the technology relies heavily on gravity flow. Pumping the material through a series of smaller columns disrupts the processes and does not provide the desired results.

Throughput is a function of the column diameter. As such, Crown is looking at installing four (4) 18” diameter columns. This will provide considerably less capacity than an industrial plant, but still allow Crown to demonstrate what makes their equipment successful. The bulk of the space in this tower will be a stairwell that allows operator access to the tops of the columns.

Activities Within the Tower

Crown Iron Works’s Liquids group designs world class equipment that provides solutions to vegetable oil processors. The new Innovation Center will provide space for traditional vegetable oil processing:

- Refining
- Degumming
- Bleaching
- Winterizing & Dewaxing

The additional height is required to allow for proper processing of a variety of vegetable oils (soy, canola, sunflower, palm, palm kernel, etc.) in the fields of:

- Distillation/Deodorization
- Fat Splitting/Fractionation
- Biodiesel Production
- Glycerin Production

Distillation/Deodorization

Removes off-flavor components under high temperature and vacuum. This is an important technology in aiding developing countries to feed their people in a cost-effective manner.

Fat Splitting/Fractionation

Separating high-melting and low-melting fractions of oils provides customers with their desired product characteristics.

Biodiesel Production

Converts triglyceride chains in the oil to biodiesel fuel.

Glycerin Production

Fat splitting byproducts are converted to glycerin utilizing vacuum distillation. Glycerin is used as a base in the soaps and cosmetics industries.

A new, custom-designed facility will allow for all uses to be efficiently incorporated within one site, while providing for safe conditions related to the laboratory and extractor. A new location with convenient access to a highway/freeway interchange will also benefit employees' commutes and global visitor accessibility. Furthermore, a new, custom-designed facility will not only showcase Crown's services and products to global visitors and trainees, it will also bring 102 existing jobs to Blaine with an average salary of over \$90,000. Crown projects that an additional 23 new jobs may be created with the relocation of its headquarters to Blaine. Furthermore, being the global headquarters, Crown anticipates up to 500 visitors yearly for training and review of the R&D activities within the facility.

To fulfill the project purpose as described above on a single-owner site; create efficient internal project design that includes office space for all employees, plus training space for global visitors; and provide research/laboratory space that is connected via elevated conveyors to an outdoor extractor that is at least 100-feet from the nearest building, a Conditional Use Permit is required to accommodate 3 buildings, (office/warehouse, extraction lab, 100' distilling tower) on-site. Furthermore, to maintain compliance with the NFPA and to provide safe conditions surrounding the extraction lab, a 7-foot-tall chain-link fence, with a 1 foot barbed wire on-top is required around the extraction lab, which is above the 7 feet allowed under the current City Code. Lastly, to have a facility that allows Crown to incorporate innovative testing equipment, a 100 foot tower is needed to allow the pilot plant functionality for vegetable oil processing.



**CROWN
IRON WORKS**
Your Partner in Productivity

2 May 2018

Crown Iron Works-Mortenson Site Tower Extension

It is Crown Iron Works's intention to construct a 100' tower on the proposed Mortenson site to provide pilot plant functionality for our Liquids group. Crown's current facility has neither capability nor space for piloting activities for Liquids, which is a main driver for Crown's relocation.

Activities Within the Tower

Crown Iron Works's Liquids group designs world class equipment that provides solutions to vegetable oil processors. The new Innovation Center will provide space for traditional vegetable oil processing:

- Refining
- Degumming
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- Winterizing & Dewaxing

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**CROWN
IRON WORKS**
Your Partner in Productivity

Equipment Requirements

The equipment required for these processes must be 100' tall as the technology relies heavily on gravity flow. Pumping the material through a series of smaller columns disrupts the processes and does not provide the desired results.

Throughput is a function of the column diameter. As such, Crown is looking at installing four (4) 18" diameter columns. This will provide considerably less capacity than an industrial plant, but still allow us to demonstrate what makes our equipment successful. The bulk of the space in this tower will be a stairwell that allows operator access to the tops of the columns.

Bugge, Dawn

From: Diane Hoey
Sent: Monday, June 04, 2018 5:46 PM
To: Bugge, Dawn
Subject: Re: Crown Iron Works

The new development will increase Blaine's tax base and increase jobs.

Thank you for your reply.

Diane

Sent from my iPhone

On Jun 4, 2018, at 1:37 PM, Bugge, Dawn <dbugge@blainemn.gov> wrote:

Diane,

We received your comment and will distribute your email to the Planning Commission and staff as part of the public hearing for this item.

Thank you,

Dawn Bugge
Planning Administrative Assistant
763-785-6180
dbugge@ci.blaine.mn.us

*City of Blaine
10801 Town Square Drive NE
Blaine, MN 55449*

From: Diane Hoey
Sent: Monday, June 04, 2018 1:33 PM
To: Bugge, Dawn
Subject: Crown Iron Works

Hello Dawn,

Thank you for sending me the information regarding the proposed development by Crown Iron Works on their property along I35. I have reviewed the information and support the owner's request for a variance and the conditional use permits to develop his property to expand his business.

Sincerely,

Diane C. Hoey
Casa Y Tierra LLC