CITY OF HASTINGS
FORMER HUDSON MANUFACTURING BUILDING DEMOLITION
SEH NO. HASTI 121302

NO.	ITEM	UNIT	UNIT PRICE	TOTAL ESTIMATED QUANTITY	TOTAL ESTIMATED COST
1	MOBILIZATION	LS	$16,000.00	1	$16,000.00
2	BUILDING REMOVAL (APPROX. 48,000 SF)	LS	$150,000.00	1	$150,000.00
3	CLEARING	TREE	$125.00	5	$625.00
4	GRUBBING	TREE	$125.00	5	$625.00
5	REMOVE STORM SEWER PIPE/CULVERT PIPE	LF	$10.00	260	$2,600.00
6	REMOVE CONCRETE RETAINING WALL	LF	$10.00	25	$250.00
7	REMOVE GUARD RAIL TYPE STEEL PLATE	LF	$10.00	30	$300.00
8	REMOVE CONCRETE PAVEMENT	SY	$4.00	25	$100.00
9	REMOVE BITUMINOUS PAVEMENT (P)	SY	$1.50	3050	$4,575.00
10	REMOVE CIRCULAR STEEL PILING	EACH	$100.00	6	$600.00
11	REMOVE WOOD POSTS & CONCRETE BASES	EACH	$100.00	12	$1,200.00
12	BULKHEAD STORM SEWER PIPE	EACH	$300.00	1	$300.00
13	REMOVE CATCH BASIN OR MANHOLE	EACH	$600.00	1	$600.00
14	SALVAGE CASTING	EACH	$150.00	1	$150.00
15	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	$6.00	150	$900.00
16	TRAFFIC CONTROL	LS	$1,000.00	1	$1,000.00
17	GRANULAR BORROW (CV)	CY	$10.00	1200	$12,000.00
18	TOPSOIL BORROW (CV)	CY	$10.00	1650	$16,500.00
19	SITE GRADING	ACRE	$2,000.00	2.00	$4,000.00
20	PATCH MASONRY	LS	$4,000.00	1.00	$4,000.00
21	CONSTRUCTION FENCING (6' HIGH)	LF	$11.00	700	$7,700.00
22	CONSTRUCTION FENCE GATE (6' HIGH)	EACH	$1,500.00	1	$1,500.00
23	STREET SWEEPING	DAY	$300.00	20	$6,000.00
24	TRACTOR MOUNTED BACKHOE	HOUR	$150.00	10	$1,500.00
25	SILT FENCE, TYPE HEAVY DUTY	LF	$3.00	1100	$3,300.00
26	STORM DRAIN INLET PROTECTION	EACH	$250.00	1	$250.00
27	ROCK CONSTRUCTION ENTRANCE	EACH	$1,400.00	2	$2,800.00
28	SEEDING MIXTURE 250 W/ EROSION CONTROL BLANKET, CATEGORY 2	ACRE	$8,000.00	2.00	$16,000.00
29	ABATEMENT OVERSIGHT AND AIR MONITORING	LS	$10,100.00	1	$10,100.00
30	MATERIALS ABATEMENT (ACM & PACM)	LS	$31,290.00	1	$31,290.00
31	REGULATED /SPECIAL WASTE REMOVAL AND DISPOSAL	LS	$12,000.00	1	$12,000.00
32	SELECTIVE DEMOLITION AND DISPOSAL	LS	$5,500.00	1	$5,500.00
33	LPB STABILIZATION	LS	$2,000.00	1	$2,000.00

TOTAL ESTIMATED CONSTRUCTION COST = $316,265

LEGEND

5+00 / 5 — 6+00 / 6 — STREET CENTERLINE
SURVEY BASELINE
COUNTY
SECTION
QUARTER
SIXTEENTH
CORPORATE LIMITS

EXISTING

RIGHT OF WAY
PERMANENT EASEMENT
PROPERTY LINE
R.R. RIGHT OF WAY
SANITARY SEWER AND MANHOLE
FM — FORCE MAIN
SANITARY SEWER SERVICE & CLEANOUT
WATER MAIN, HYDRANT AND VALVE
WATER SERVICE AND CURB STOP BOX
WATER VALVE MANHOLE
STORM SEWER, APRON, MANHOLE AND CATCH BASIN
CULVERT
BULKHEAD
FO — BURIED FIBER OPTIC CABLE
FO-DUCT — BURIED FIBER OPTIC DUCT OR CONDUIT
T-BUR — BURIED PHONE CABLE AND PEDESTAL
T-DUCT — BURIED PHONE DUCT OR CONDUIT AND MANHOLE
TV-BUR — BURIED TV CABLE AND PEDESTAL
P-BUR — BURIED ELECTRIC CABLE
P-DUCT — BURIED ELECTRIC DUCT OR CONDUIT AND MANHOLE
P-OH — OVERHEAD ELECTRIC, POLE AND DOWN GUY ANCHOR
LIGHT POLE
TRAFFIC SIGNAL STANDARD
G — GAS MAIN
GAS SIGN, VALVE AND VENT
PETRO — PETROLEUM PIPELINE
SOIL BORING
TRAVERSE POINT
CONCRETE CURB AND GUTTER
CONC BIT — EXISTING PAVEMENT OR SIDEWALK
SIGN (HWY, PARK, STOP, ETC.)
STREET NAME SIGN
DITCH
RAILROAD TRACKS
X — FENCE (UNIDENTIFIED)
X — BARBED WIRE FENCE
XC — CHAIN LINK FENCE
XE — ELECTRIC WIRE FENCE
XWD — WOOD FENCE
XWW — WOVEN WIRE FENCE
PLATE BEAM GUARDRAIL
CABLE GUARDRAIL
DECIDUOUS AND CONIFEROUS TREE
BUSH–SHRUB
WOODED AREA
WET — WETLAND
BLDG — BUILDING

PROPOSED

NEW RIGHT OF WAY
PERMANENT EASEMENT
TEMPORARY EASEMENT
SANITARY SEWER AND MANHOLE
FM — FORCE MAIN
SANITARY SEWER SERVICE & CLEANOUT
WATER MAIN, HYDRANT AND VALVE
WATER SERVICE AND CURB STOP BOX
WATER VALVE MANHOLE
STORM SEWER, MANHOLE AND CATCH BASIN
CULVERT
BULKHEAD
DRAIN PIPE
DITCH
CONCRETE CURB AND GUTTER
SILT FENCE
SILTC — SILTC — FLOATATION SILT CURTAIN
BIOROLL
LIGHT POLE
TRAFFIC SIGNAL, STANDARD
SIGN (HWY, PARK, STOP, ETC.)
STREET LIGHT FEED POINT
STREET LIGHTING CABLE
REMOVE TREE

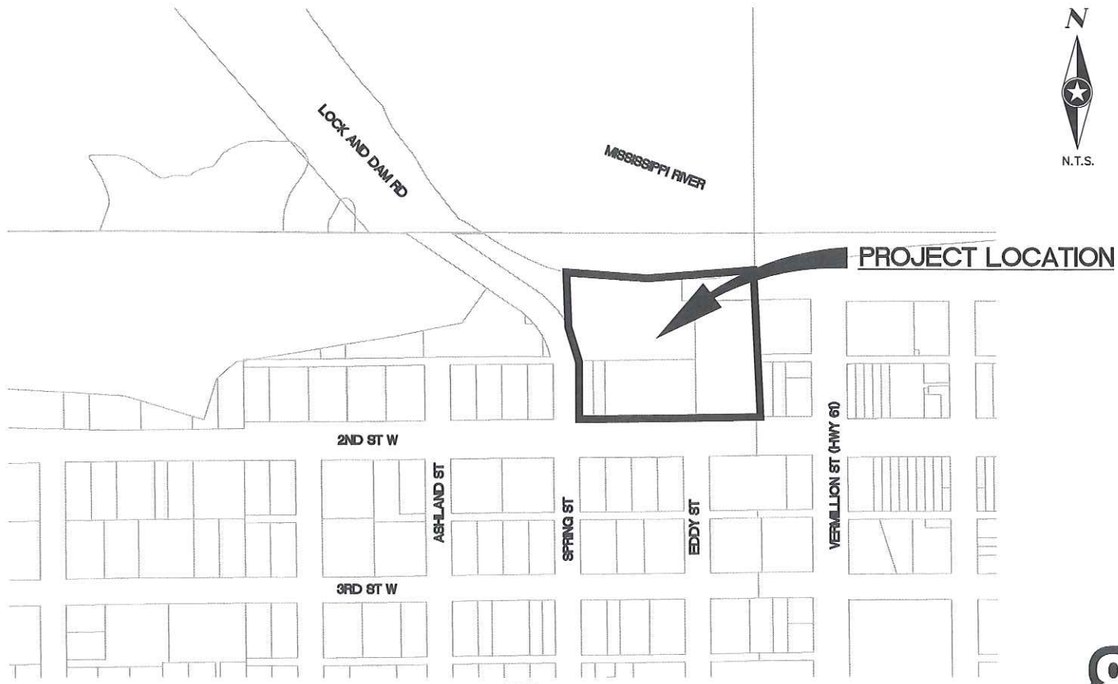
CITY OF HASTINGS, MINNESOTA

CONSTRUCTION PLANS FOR

DRAFT

BUILDING DEMOLITION, REMOVALS, SITE GRADING, EROSION CONTROL, AND TURF ESTABLISHMENT

FORMER HUDSON MANUFACTURING BUILDING DEMOLITION



NOTE:
THE SUBSURFACE UTILITY QUALITY INFORMATION IN THIS PLAN IS LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02 ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

THE CONTRACTOR SHALL CALL THE GOPHER STATE ONE CALL SYSTEM AT 811 BEFORE COMMENCING EXCAVATION.

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

GOVERNING SPECIFICATIONS

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN EXCEPT AS MODIFIED BY THE SPECIFICATIONS FOR THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS", – CURRENT EDITION.

INDEX

THIS PLAN CONTAINS 5 SHEETS.

PROJECT LOCATION

APPROVED:

HASTINGS CITY ENGINEER — DATE

HASTINGS, MINNESOTA

SEH
PHONE: 651.490.2000
3535 VADNAIS CENTER DR.
ST. PAUL, MN 55110-5196
www.sehinc.com

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SCOTT D. HAUPT, P.E.
Signature
Date: AUGUST 10, 2012 Lic. No. 46603

FILE NO. 121302

1/5

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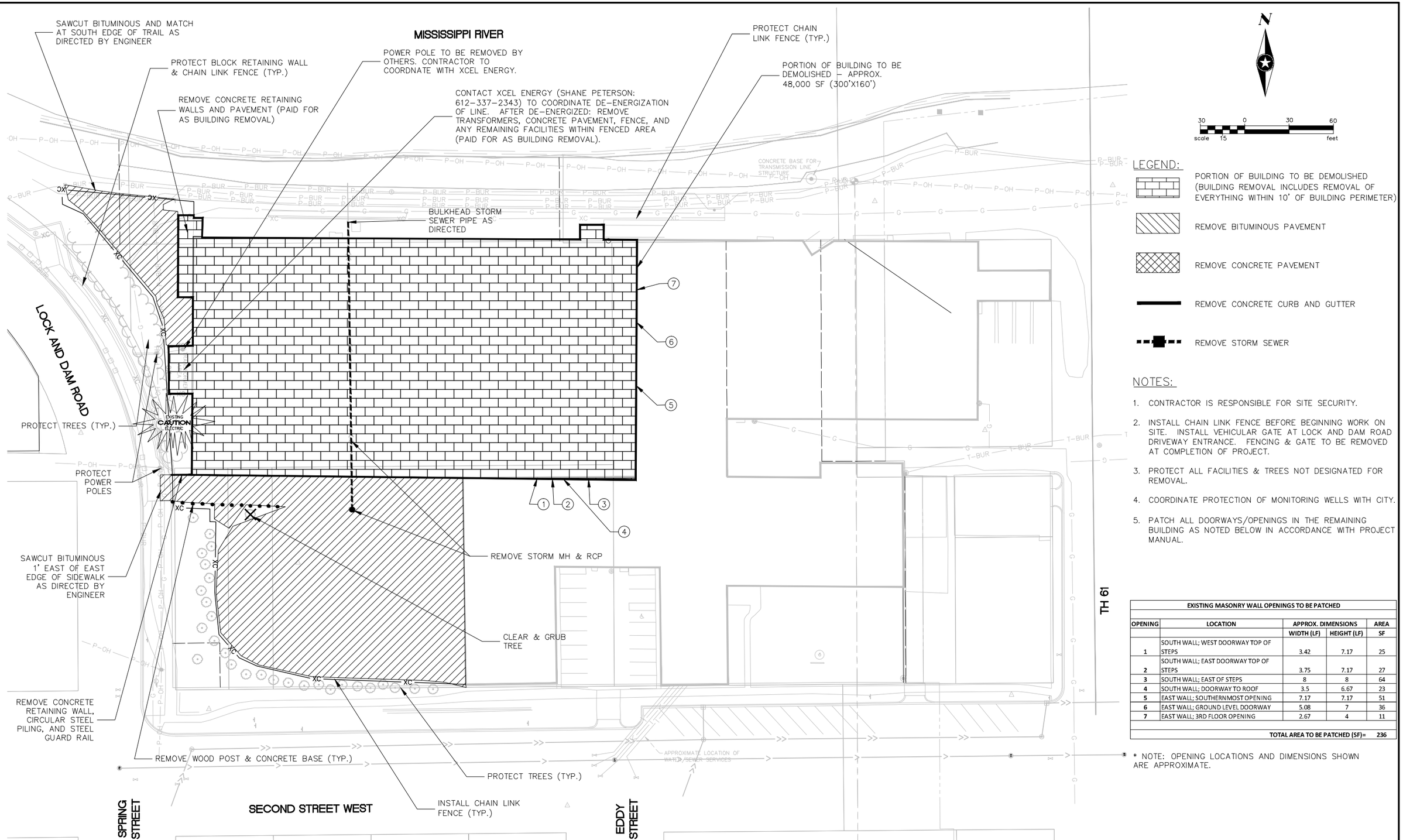

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR SITE SECURITY.
2. INSTALL CHAIN LINK FENCE BEFORE BEGINNING WORK ON SITE. INSTALL VEHICULAR GATE AT LOCK AND DAM ROAD DRIVEWAY ENTRANCE. FENCING & GATE TO BE REMOVED AT COMPLETION OF PROJECT.
3. PROTECT ALL FACILITIES & TREES NOT DESIGNATED FOR REMOVAL.
4. COORDINATE PROTECTION OF MONITORING WELLS WITH CITY.
5. PATCH ALL DOORWAYS/OPENINGS IN THE REMAINING BUILDING AS NOTED BELOW IN ACCORDANCE WITH PROJECT MANUAL.

EXISTING MASONRY WALL OPENINGS TO BE PATCHED

OPENING	LOCATION	APPROX. DIMENSIONS		AREA
		WIDTH (LF)	HEIGHT (LF)	SF
1	SOUTH WALL; WEST DOORWAY TOP OF STEPS	3.42	7.17	25
2	SOUTH WALL; EAST DOORWAY TOP OF STEPS	3.75	7.17	27
3	SOUTH WALL; EAST OF STEPS	8	8	64
4	SOUTH WALL; DOORWAY TO ROOF	3.5	6.67	23
5	EAST WALL; SOUTHERNMOST OPENING	7.17	7.17	51
6	EAST WALL; GROUND LEVEL DOORWAY	5.08	7	36
7	EAST WALL; 3RD FLOOR OPENING	2.67	4	11
			TOTAL AREA TO BE PATCHED (SF)=	236

* NOTE: OPENING LOCATIONS AND DIMENSIONS SHOWN ARE APPROXIMATE.

DRAWN BY: AJK
DESIGNER: SDH
CHECKED BY: SMM
DESIGN TEAM

NO.	BY	DATE	REVISIONS

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SCOTT D. HAUPT, P.E.
Date: AUGUST 16, 2012 Lic. No. 46603

SEH
PHONE: 651.490.2000
3535 VADNAIS CENTER DR.
ST. PAUL, MN 55110-5196
www.sehinc.com

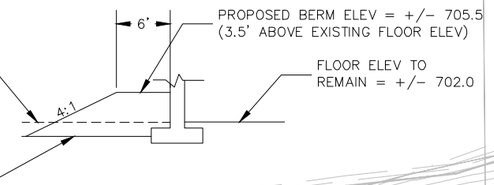
HASTINGS, MINNESOTA

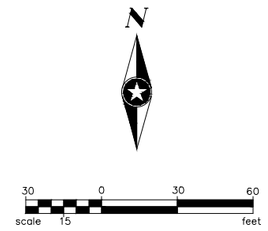
REMOVAL PLAN
FORMER HUDSON MANUFACTURING
BUILDING DEMOLITION

FILE NO. 121302

2/5

SECTION A–A





SITE GRADING SUMMARY:

TOTAL EXCAVATION = 2300 CY (EV) = 1930 CY (CV)
(PAID FOR AS "SITE GRADING")
LESS SLAB AND BIT. PAVEMENT = –1510 CY
NET MATERIAL AVAIL. FOR FILL = 420 CY (CV)

TOTAL EMBANKMENT = 3300 CY (CV)
LESS TOPSOIL BORROW (6") = –1650 CY (CV)
LESS ON–SITE FILL MATERIAL = –420 CY (CV)

NET AMOUNT OF IMPORTED FILL NEEDED = 1200 CY (CV)
(PAID FOR AS "GRANULAR BORROW")

NOTES:

1. GRADING PLAN ASSUMES FIRST FLOOR ELEVATION TO BE 702.0 AND A 1' FLOOR SLAB THICKNESS. CONTRACTOR TO VERIFY BOTH BEFORE BEGINNING GRADING OPERATIONS AND ADJUST ACCORDINGLY.
2. CONTRACTOR SHALL REMOVE FLOOR SLAB AND GRADE MAXIMUM 4:1 SLOPE FROM EXISTING PARKING LOT AREA TO EXISTING GRADE BELOW FLOOR SLAB. GRANULAR BORROW SHALL BE USED FOR EMBANKMENT.
3. COMPACT FILL AREAS BELOW 3' FROM FINISHED GRADE TO 95% STANDARD PROCTOR. COMPACT TOP 3' OF EMBANKMENT TO 100% STANDARD PROCTOR.
4. CONTRACTOR TO UTILIZE ON SITE MATERIAL AS MUCH AS POSSIBLE AND MINIMIZE AMOUNT OF IMPORTED BORROW MATERIAL.

DRAWN BY: AJK DESIGNER: SDH CHECKED BY: SMM DESIGN TEAM	NO.	BY	DATE	REVISIONS	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. SCOTT D. HAUPT, P.E. Date: AUGUST 16, 2012 Lic. No. 46603

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HASTINGS, MINNESOTA

GRADING PLAN
FORMER HUDSON MANUFACTURING
BUILDING DEMOLITION

FILE NO. 121302

3/5

Stormwater Pollution Prevention Plan (SWPPP)

To comply with the General Stormwater Permit for Construction Activity

Construction Activity Information

Project Name: Hudson Manufacturing Building Demolition

Project Location:

200 2nd Street West

Hastings, MN 55033

Dakota County

Latitude/Longitude: 44.745, -92.855

Total Project Area: 2.00 acres

Total Project Area Disturbed: 1.86 acres

Total Existing Impervious Area : 1.75 acres

Total Proposed Impervious Area : 0.00 acres

Receiving waters:

Mississippi River - AUID 07010206-501 - Impaired for Turbidity

Dates of construction:

Construction start date: Sept. 15, 2012 Est. completion date: Nov. 30, 2012

Contact Information

Project Owner:

City of Hastings
Nick Egger
City Engineer
101 4th Street East
Hastings, MN 55033
651.480.2350
nickegger@ci.hastings.mn.us

Contractor:

TBD

General Construction Project Information

The project includes building demolition, removing bituminous/concrete pavement, minor grading, erosion control, topsoiling and seeding.

Based on soils borings the subsurface materials include undifferentiated fill and unconsolidated materials overlying bedrock at depths of 1 to 29 feet.

General Site Information (III.A)

1. The project is required to meet the construction stormwater requirements for the NPDES General Stormwater Permit.
2. The Contractor shall install temporary erosion and sediment control measures prior to starting work within the applicable portion of the project.
3. Locations, type and quantity of temporary and permanent erosion control measures can be found within the construction plans.
4. Exposed soil areas shall be stabilized as soon as possible but in no case later than 7 days after construction has temporarily or permanently ceased in that portion of the project.
5. The Contractor shall install additional BMPs as necessary as directed by the Engineer to prevent erosion and sediment transport.
6. Inlet protection shall be installed prior to land disturbing activities and left in place until turf is established.

Environmentally Sensitive Areas:

1. **Impaired waters** - Mississippi River is an Impaired water.
2. **TMDL -** There are **NO** TMDL plans currently implemented.
3. **Scientific or Natural Areas** - There are **NO** SNA within 1 mile of the project.
4. **Karst Area** - The project is **NOT** located within a Karst area.
5. **Calcareous Fens** - The project does **NOT** discharge to a fen.

Training (III.A)

The Contractor shall ensure that the training requirements in Part III.A.2 of the General Stormwater Permit for Construction Activity are complied with. The individuals trained will be recorded in the SWPPP before the start of construction or as soon as personnel for the project have been determined.

SWPPP Writer: Justin Klabo, SEH Inc, Training Dates: August 12-13, 2009, University of Minnesota, Erosion and Sediment Control Program. Training expires May 31, 2013.

Provide information in the space provided below for additional personnel on the project as required by the Permit.

Name	Date	Training Program

Permanent Stormwater Management System (III.C)

1. The project will not create a new cumulative impervious surface greater than or equal to one acre therefore permanent stormwater management will not be provided on the project per NPDES requirements.

Erosion Prevention Practices (IV.B)

1. The areas not to be disturbed will be delineated through construction staking and silt fence.
2. The Contractor shall provide temporary cover for all exposed soils. All exposed soils shall be stabilized as soon as possible but in no case later than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.
3. The normal wetted perimeter of any ditch bottom shall be stabilized within 24 hours.
4. Temporary cover shall be provided using Hydraulic Soil Stabilizer Type 5 throughout the project.
5. Permanent cover shall be provided as detailed on the construction plans.
6. Contractor is required to provide any additional erosion prevention measures necessary for conformance to the NPDES Construction Permit throughout construction.

Sediment Control Practices (IV.C)

1. Inlet protection, silt fence, rock construction entrances and all other sediment control devices shall be installed prior to any land disturbing activity.
2. Contractor shall clean streets daily throughout the project to remove any accumulated sediment.
3. Temporary stockpiles located onsite shall be seeded, mulched and have silt fence or a BMP approved by the Engineer in the field placed around the base of the stockpile.

Dewatering and Basin Draining (IV.D)

1. Dewatering is not anticipated on this project. However if dewatering is necessary, the Contractor shall submit a plan to the Engineer for acceptance.
2. If the dewatering or pumping process is turbid or contains sediment laden water, it must be treated through the use of sediment traps, vegetative filter strips, flocculants, or other sediment reducing measures such that discharge is not visibly different than the receiving water.
3. Discharge directly into a surface water or wetland is not permitted.
4. All construction dewatering shall be discharged to an approved location for treatment prior to discharge to the receiving water. The dewatering plan shall be developed and submitted to the engineer for review in accordance with MnDOT Spec 1717.2E.
5. Conditions of the site may require a permit to be obtained from the Minnesota Department of Natural Resources for water appropriations. The Contractor will be responsible for obtaining any necessary permits for dewatering.

Inspections and Maintenance (IV.E)

1. Contractor shall identify a certified erosion and sediment control supervisor to conduct weekly site inspections for the project.
2. The construction site shall be observed at least once every 7 days during active construction and within 24 hours after a rainfall event greater than 0.5 inches in 24 hours and 7 days after that.
3. When sediment is observed up to approximately one-third of the height of silt fence, sediment shall be removed. Silt fence will be replaced, or supplemented if it becomes non-functional.
4. When non-functional BMPs are found they must be repaired, replaced or supplemented with functional BMPs within 24 hours after discovery or as soon as field conditions allow access.

Pollution Prevention Management Measures (IV.F)

All work necessary to provide proper pollution prevention measures shall be considered incidental to the project.

1. Collected sediment, asphalt and concrete millings, floating debris, and other waste must be disposed of properly and must comply with MPCA disposal requirements.
2. Oil, gasoline, paint and any hazardous substances must be properly stored, including secondary containment to prevent spills, leaks or other discharges. Restricted access to storage areas must be provided to prevent vandalism. Storage and disposal of hazardous waste must be in compliance with MPCA regulations.
3. External washing of trucks and other construction vehicles is not allowed on site. Runoff must be contained and waste properly disposed of. No engine degreasing is allowed on site.
4. All liquid and solid waste generated by concrete washout operations must be contained in a leak-proof containment facility or impermeable liner. A compacted clay liner that does not allow washout liquids to enter the ground water is considered an impermeable liner. The liquid and solid wastes must not contact the ground, and there must not be runoff from the concrete washout operations or areas. Liquid and solid waste must be disposed of properly and in compliance with MPCA regulations. A sign must be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities
5. Any spills of hazardous materials and/or a minimum of 5-gallons petroleum shall be immediately reported to the MPCA (State Duty Officer:1.800.422.0798 or 651.297.8610). Any spills above the reportable quantities limits in The Code of Federal Regulations (CFR) Title 40, Part 302 shall be reported to the EPA National Response Center (1.800.424.8802). In order to reduce the risk of hazardous materials coming into contact with storm water, the following practices will be followed: a) an effort will be made to store only enough products required to do the wok, b) all materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and if possible, under cover, c) products will be kept in their original containers with the original manufacturer's label unless the original container cannot be resealed in which case the original label and material safety data shall be retained, d) substances will not be mixed with one another unless recommended by the manufacturer, e) whenever possible all of a product will be used before disposing of the container, f) the manufacture's recommendations for proper use and disposal will be followed, and g) the operator will inspect daily to ensure proper use and disposal of materials onsite. Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
6. All sanitary waste will be collected by temporary sanitary facilities provided at the site by the Contractor throughout the construction project. All construction personnel shall utilize temporary sanitary facilities which shall be regularly serviced by a commercial operator. Temporary sanitary facilities shall be placed in a location where accidental spillage of the facility shall not discharge to the storm sewer system.

Final Stabilization (IV.G)

1. All disturbed areas shall be permanently stabilized as detailed on the Construction plans. Methods to achieve final stabilization include: seed with erosion control blanket or hydraulic soil stabilizer.
2. The permittee will submit a Notice of Termination (NOT) within 30 days after final stabilization.

Records Retention (III.D)

1. Records to be kept on site during construction include:
   a. Copy of the SWPPP and amendments
   b. Training Documentation
   c. Inspection and maintenance records
2. This SWPPP will be amended as needed and/or as required by provisions of the Permit. Any changes to the SWPPP shall be noted below and on the applicable plan sheets.
3. The contractor will record changes to the SWPPP and maintain documentation of these changes on site at all times. A summary maintenance/construction observation report will be recorded after each site inspection/observation.
4. The contractor will be responsible to maintain and repair the erosion and sediment control BMPs until final stabilization is complete and a NOT is submitted.

Provide information in the space provided below for amendments to the SWPPP as required by the Permit.

Amendment	By	Date

DRAWN BY: AJK
DESIGNER: SDH
CHECKED BY: SMM
DESIGN TEAM

NO.	BY	DATE	REVISIONS

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SCOTT D. HAUPT, P.E.
Date: AUGUST 16, 2012 Lic. No. 46603

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HASTINGS, MINNESOTA

SWPPP
FORMER HUDSON MANUFACTURING BUILDING DEMOLITION

FILE NO. 121302

MISSISSIPPI RIVER

SILT FENCE (TYP.)

INLET PROTECTION (TYP.)

PROTECT TREES (TYP.)

LOCK AND DAM ROAD

SPRING STREET

SECOND STREET WEST

EDDY STREET

TH 61

N

30 0 30 60
scale 15 feet

LEGEND:

RESTORE ALL DISTURBED AREAS WITH 6" TOPSOIL BORROW, SEED MIX 250, EROSION CONTROL BLANKET, CAT. 2
TOTAL AREA = 2.0 ACRES

NOTES:

1. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 7 DAYS AFTER GRADING IS COMPLETED. TEMPORARY STABILIZATION IS REQUIRED IF SOIL IS NOT BEING GRADED FOR 7 DAYS OR MORE.
2. CONTRACTOR SHALL INSTALL ROCK CONSTRUCTION ENTRANCE AT LOCK AND DAM ROAD ENTRANCE TO SITE.

DRAWN BY: AJK
DESIGNER: SDH
CHECKED BY: SMM
DESIGN TEAM

NO.	BY	DATE	REVISIONS

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HASTINGS, MINNESOTA

EROSION CONTROL AND TURF ESTABLISHMENT PLAN
FORMER HUDSON MANUFACTURING BUILDING DEMOLITION

FILE NO. 121302

5/5