

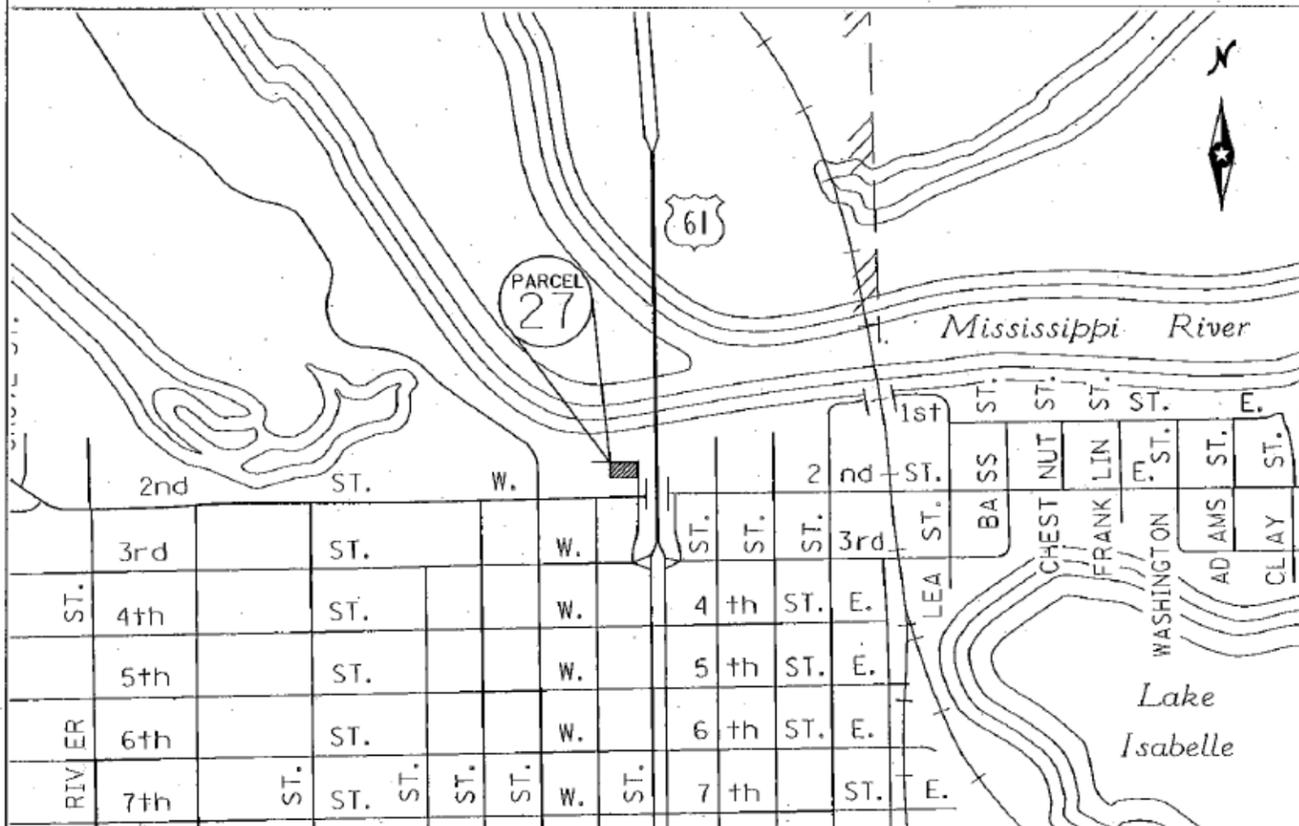
MINNESOTA DEPARTMENT OF TRANSPORTATION PLAN FOR REMOVAL OF BUILDING

FED. PROJ. NO.
STATE FUNDS
901

HIGHWAY T.H. 61
AT 112 VERMILLION ST.
IN HASTINGS

STATE PROJ. NO. 1913-99A
COUNTY DAKOTA

GOVERNING SPECIFICATIONS
THE 2005 EDITION OF THE MINNESOTA DEPARTMENT
OF TRANSPORTATION 'STANDARD SPECIFICATIONS FOR
CONSTRUCTION' SHALL GOVERN.



INDEX

- 1 TITLE SHEET
- 2 ESTIMATED QUANTITIES
- 3 SITE PLAN
- 4 DETAILS

This Plan Contains 4 Sheets

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY,
OF THIS PLAN WERE MADE BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE
STATE OF MINNESOTA.

CERTIFIED BY _____
LICENSED PROFESSIONAL ENGINEER

LICENSE NO. _____ DATE _____

Charge Identifier

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

LIC. NO. 18520 DATE 1-8-10

ENGINEER Brad Skow
BRAD SKOW

DESIGN SQUAD: N. JACOBSON

Recommended for Approval Scott R. Z... 1/8/2010
DISTRICT TRANSPORTATION ENGINEER

Recommended for Approval Valerie A. ... 1/8/2010
STATE PRE-LETTING ENGINEER

Office of Land Management Approval M. Stansbury 1/8/2010
DIRECTOR, LAND MANAGEMENT

APPROVED Jan 14 2010 Mr. Skow
STATE DESIGN ENGINEER

TITLE SHEET
BUILDING REMOVAL
112 VERMILLION ST.
HASTINGS, MN

STATE PROJ. NO. 1913-99A (TH 61=003) SHEET NO. 1 OF 4 SHEETS

STATEMENT OF ESTIMATED QUANTITIES

ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES
2103.501	BUILDING REMOVAL (1)	LUMP SUM	1
2103.505	DISCONNECT SEWER SERVICE	EACH	1
2103.507	DISCONNECT WATER SERVICE	EACH	1
2123.610	STREET SWEEPER (WITH PICK-UP BROOM)	HOUR	5
2573.530	STORM DRAIN INLET PROTECTION	EACH	2

QUANTITIES NOTES

(1) BUILDING REMOVAL INCLUDES:

- A) REMOVAL OF BUILDING, SEE SHEET 3, NOTE #1.
- B) REMOVAL OF ITEMS LISTED ON SHEET 3.
- C) SECURE ITEM LISTED ON SHEET 3.
- D) FURNISH AND PLACE ITEMS LISTED ON SHEET 3.

UTILITY INFORMATION

WATER - CITY OF HASTINGS (CAP IN PLACE)
SEWER - CITY OF HASTINGS (CAP IN PLACE)
POWER - XCEL ENERGY (DISCONNECTED)
GAS - CENTERPOINT ENERGY (DISCONNECTED)

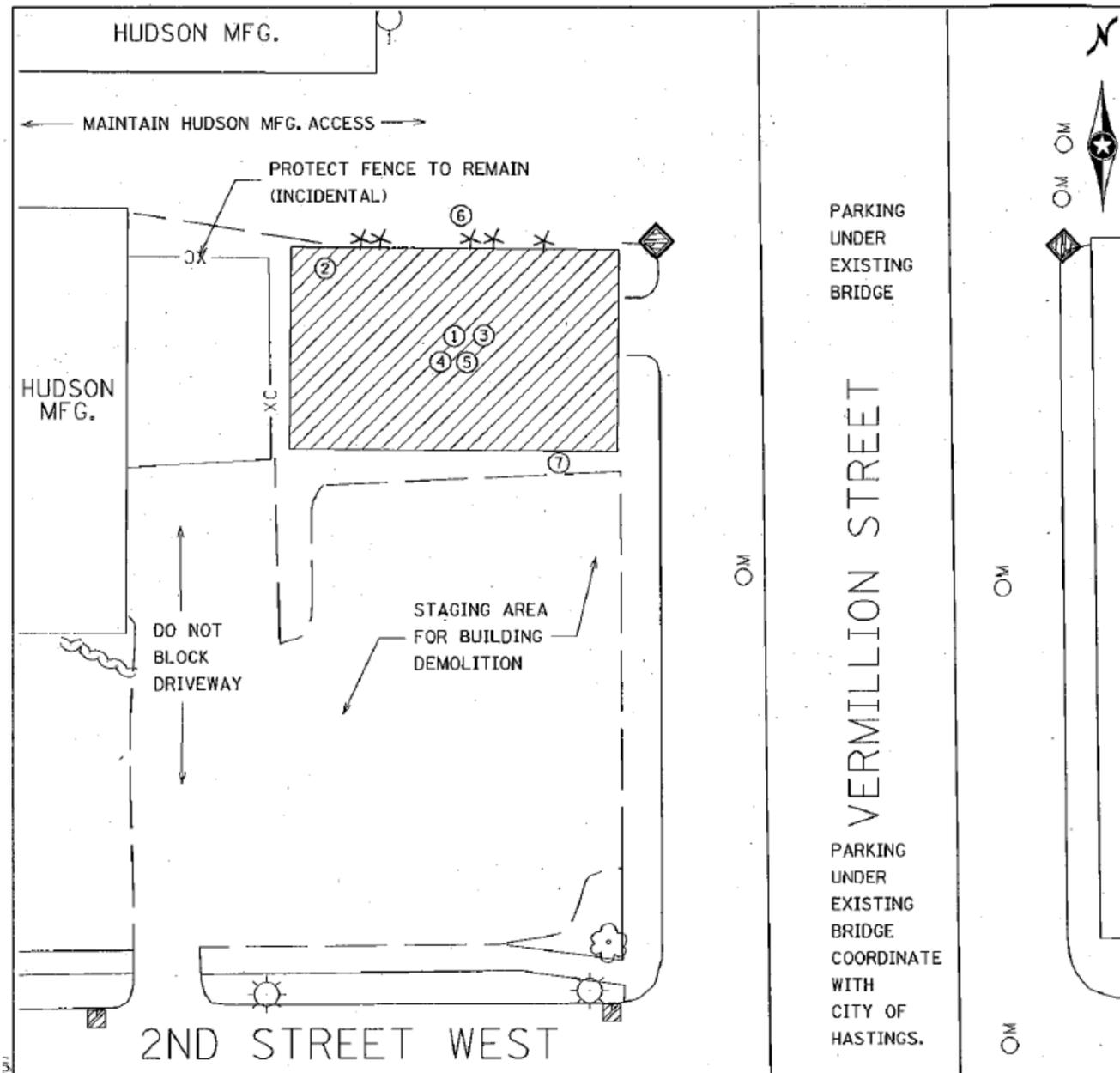
NOTE:

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN
IS UTILITY QUALITY 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."

CERTIFIED BY Brad Skow
LICENSED PROFESSIONAL ENGINEER
LICENSE NO. 18520 DATE 1-8-10

ESTIMATED QUANTITIES
BUILDING REMOVAL
112 VERMILLION ST.
HASTINGS, MN

STATE PROJ. NO. 1913-99A (TH 61) SHEET NO. 2 OF 4 SHEETS

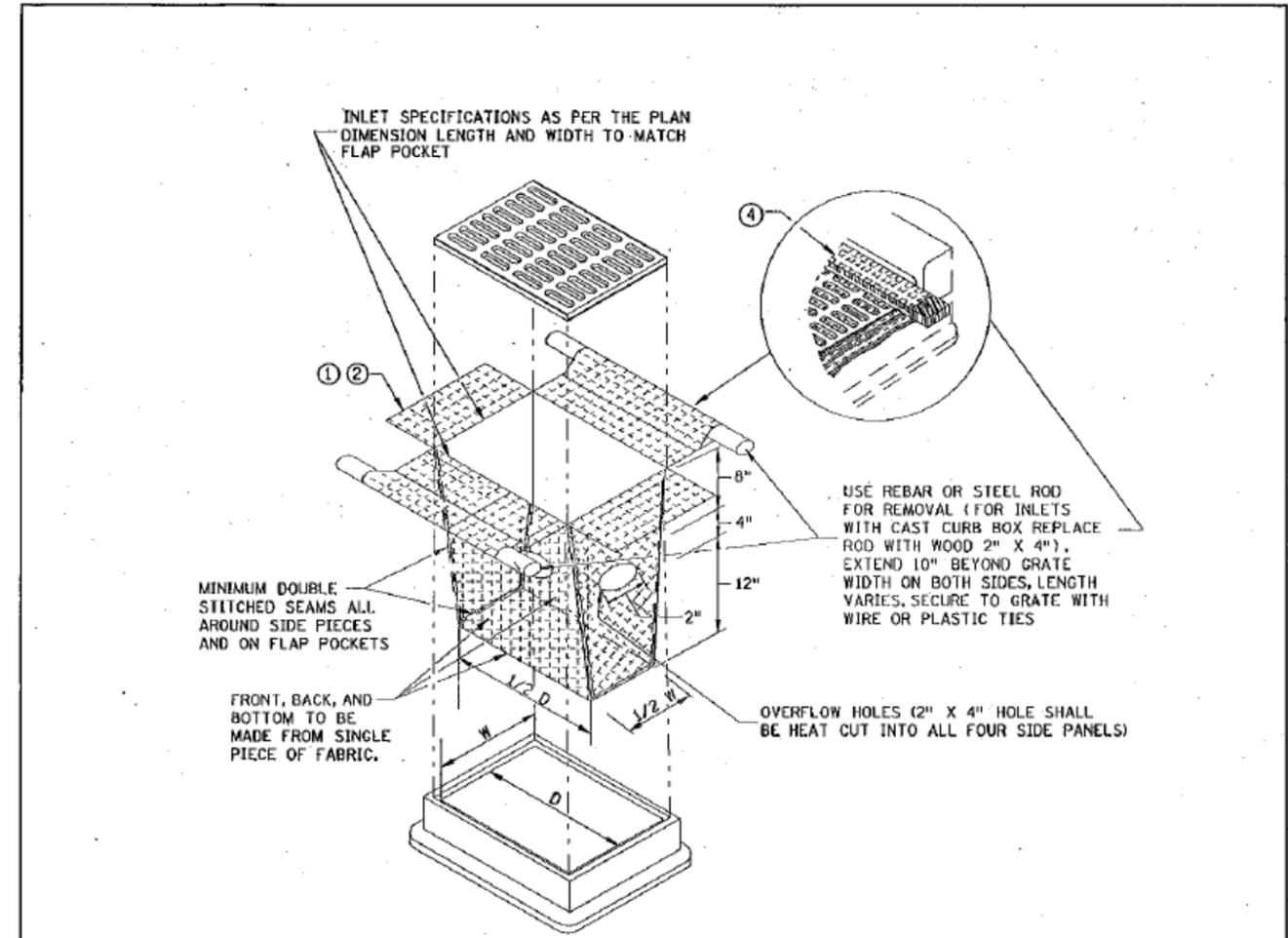


KEY	DESCRIPTION
①	REMOVE 5412 SQ.FT. 2-STORY BUILDING EXCEPT CONCRETE SLABS, FOOTINGS AND CAR HOIST.
②	REMOVE LIFT PLATFORM (8'x16'), COUNTER WEIGHTS AND LIFT MECHANICS.
③	REMOVE STEEL I-BEAM (3'x30'x6').
④	SECURE IN PLACE HOIST (SEE SPECIAL PROVISIONS).
⑤	REMOVE TWO FURNACES, ONE HOT WATER TANK, THREE SINKS, TWO BATHTUBS AND TWO TOILETS.
⑥	REMOVE TREES (APPROXIMATELY 5)
⑦	REMOVE ONE SET OF EXTERIOR STAIRS TO RENTAL UNIT.
□	FURNISH AND PLACE INLET PROTECTION (SEE DETAIL, SHEET 4).

ALL QUANTITIES ARE APPROXIMATE.

CERTIFIED BY *Brandon Show*
 LICENSED PROFESSIONAL ENGINEER
 LICENSE NO. 18520 DATE 1-8-10

SITE PLAN
 BUILDING REMOVAL
 112 VERMILLION ST.
 HASTINGS, MN



FILTER BAG INSERT ③

(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX)

NOTES:

SEE SPECS. 2573, 3137, 3886 & 3891.

MANUFACTURED ALTERNATIVES LISTED ON Mn/DOT'S APPROVED PRODUCTS LIST MAY BE SUBSTITUTED.

- ① ALL GEOTEXTILE USED FOR INLET PROTECTION SHALL BE MONOFILAMENT IN BOTH DIRECTIONS, MEETING SPEC. 3886.
- ② FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ③ INSTALLATION NOTES:
 DO NOT INSTALL FILTER BAG INSERT IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE OF 3 INCHES BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES. WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3 INCH SIDE CLEARANCE.
- ④ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2 INCH X 4 INCH OR USE A ROCK SOCK OR SAND BAGS IN PLACE OF THE FLAP POCKETS.

CERTIFIED BY *Brandon Show*
 LICENSED PROFESSIONAL ENGINEER
 LICENSE NO. 18520 DATE 1-8-10

DETAILS
 BUILDING REMOVAL
 112 VERMILLION ST.
 HASTINGS, MN

S-21 (1701) LAWS TO BE OBSERVED (BUILDING REMOVALS)

The provisions of Mn/DOT 1701 are modified and/or supplemented with the following:

S-21.1 The Contractor shall use Mn/DOT approved companies for testing, waste transport and disposal as provided and described in Mn/DOT's manual "Asbestos and Regulated Waste Manual For Structure Demolition Or Relocations for Construction Projects" available on the following website: <http://www.dot.state.mn.us/environment/regulated-materials/index.html>. Contact Mark Vogel, Office of Environmental Services, 651.366.3630 with any questions regarding the manual.

The Contractor shall only use Mn/DOT approved contractors for: building/bridge assessments, asbestos abatement and regulated waste oversight, asbestos removal, regulated waste removal, and regulated waste disposal and recycling (for a list of Mn/DOT Approved Contractors call 651.366.3630).

The Contractor shall use only MPCA permitted Combined Solid Waste Disposal Facilities to dispose of all solid waste including demolition debris. Demolition debris shall not be disposed of in a permit-by-rule landfill.

S-21.2 The successful bidding Contractor shall:

- (A) Comply with the Environmental Protection Agency (EPA) Regulations, 40 CFR pt. 61, subd.M - NATIONAL EMISSION STANDARD FOR ASBESTOS.
- (B) Provide the Minnesota Pollution Control Agency (MPCA) and the Mn/DOT Project Engineer written notice of intention to demolish or move a structure - see form "Notification of Intent to Perform a Demolition" at <http://www.pca.state.mn.us/publications/w-sw4-21.pdf>. Such notice shall be provided to the MPCA and the Mn/DOT Project Engineer a minimum of 10 working days before any move or demolition.
- (C) And if the buildings contain any asbestos, the Contractor shall:
 - (1) Use a Minnesota Department of Health (MDH) certified oversight contractor to oversee the MDH certified asbestos abatement contractor.
 - (2) Depending on the amounts and types of asbestos on the premises Submit "Notification of Asbestos Related Work", to the Minnesota Pollution Control Agency and the Mn. Department of Health 10 working days prior to commencement of abatement activities. The Contractor shall submit a copy of the completed notification/s to the Mn/DOT Project Engineer at the same time.
 - (3) Submit all required documentation to the Minnesota Pollution Control Agency and the Mn Department of Health and copy the Mn/DOT Project Engineer on all submittals. Information on the requirements of MPCA can be found at: http://www.pca.state.mn.us/programs/asbestos_p.html. Information on the requirements of the Department of Health can be found at: <http://www.health.state.mn.us/divs/eh/asbestos/index.html>.
 - (4) Transport all asbestos containing waste in compliance with USDOT packaging and transportation requirements. The Contractor shall provide The Mn/DOT Project Engineer with all Asbestos Containing Material Transportation shipping papers/manifests. A Shipping paper can be obtained in part 61.145 on the following website: <http://www.epa.gov/opptintr/asbestos/pubs/2003pt61.pdf>
 - (5) Dispose of all asbestos containing waste in a Minnesota Pollution Control Agency permitted mixed municipal solid waste or Industrial landfill (not demolition debris landfills) permitted to accept asbestos containing wastes. Provide The Mn/DOT Project Engineer all landfill disposal receipts.
- (D) Comply with Mn/DOT's manual "Asbestos and Regulated Waste Manual For Structure Demolition Or Relocations for Construction Projects" available on the following website: <http://www.dot.state.mn.us/environment/regulated-materials/index.html>.

S-21.3 The successful Contractor shall comply with all Mn/DOT policy, laws, regulations and/or rules regarding the removal and recycling/disposal of any regulated wastes including, but not limited to: *see manual for procedures and approved contractors/end sites.*

1. Chlorofluorocarbons (CFC's):
The Contractor shall use persons certified through 40 CFR pt 82 subp. F to evacuate CFC containing equipment that are affixed to the structure (central air conditioning, heat pumps etc). After the evacuation of all CFC's in the equipment the Contractor shall furnish the Mn/DOT Project Engineer with a MPCA Verification of Refrigerant Removal form: (<http://www.pca.state.mn.us/air/pubs/veriffrm.pdf>). Unattached equipment can be processed on site as above or sent to a Mn/DOT approved end site.
2. Polychlorinatedbiphenols (PCB's)
3. Mercury
4. Lead
5. Other Regulated/Hazardous Waste
6. Solid Wastes

The transportation of all the above wastes shall be in compliance with USDOT packaging and transportation requirements. The Contractor shall provide the Mn/DOT Project Engineer with all shipping papers or manifests.

The Contractor shall provide the Mn/DOT Project Engineer with copies of disposal or recycling records.

S-21.4 FAILURE TO COMPLY WITH NOTIFICATION PROVISIONS WILL BE DEEMED A MATERIAL BREECH OF CONTRACT. IN THE EVENT THAT A REGULATORY AGENCY IMPOSES MONETARY SANCTIONS ON Mn/DOT THAT ARE BASED, IN WHOLE OR IN PART, UPON THE ACTS OR OMISSIONS OF THE CONTRACTOR, THE CONTRACTOR AGREES TO INDEMNIFY Mn/DOT AND

TO HOLD Mn/DOT HARMLESS FOR SAME, EXCEPT TO THE EXTENT THAT ANY SANCTIONS WERE CAUSED BY Mn/DOT'S OWN NEGLIGENCE.

S-25 (1717) AIR, LAND AND WATER POLLUTION

The provisions of Mn/DOT 1717 are supplemented and/or modified with the following:

S-25.1 DISCOVERY OF CONTAMINATED MATERIALS AND REGULATED WASTES

If during the course of the Project, the Contractor unexpectedly encounters any of the following conditions indicating the possible presence of contaminated soil, contaminated water, or regulated waste, the Contractor shall immediately stop work in the vicinity, notify the Engineer, and request suspension of work in the vicinity of the discovery area, in accordance with Mn/DOT 1803.4.

A documented inspection and evaluation will be conducted prior to the resumption of work. The Contractor shall not resume work in the suspected area without authorization by the Engineer.

(A) Indicators of contaminated soil, ground water or surface water include, but are not limited to the following:

- (1) Odor including gasoline, diesel, creosote (odor of railroad ties), mothballs, or other chemical odor.
- (2) Soil stained green or black (but not because of organic content), or with a dark, oily appearance, or any unusual soil color or texture.
- (3) A rainbow color (sheen) on surface water or soil.

(B) Indicators of regulated wastes include, but are not limited to the following:

- (1) Cans, bottles, glass, scrap metal, wood (indicators of solid waste and a possible dump)
- (2) Concrete and asphalt rubble (indicators of demolition waste).
- (3) Roofing materials, shingles, siding, vermiculite, floor tiles, transite or any fibrous material (indicators of demolition waste that could contain asbestos, lead or other chemicals).
- (4) Culverts or other pipes with tar-like coating, insulation or transite (indicators of asbestos).
- (5) Ash (ash from burning of regulated materials may contain lead, asbestos or other chemicals).
- (6) Sandblast residue (could contain lead).
- (7) Treated wood including, but not limited to products referred to as green treat, brown treat and creosote (treated wood disposal is regulated).
- (8) Chemical containers such as storage tanks, drums, filters and other containers (possible sources of chemical contaminants).
- (9) Old basements with intact floor tiles or insulation (could contain asbestos), sumps (could contain chemical waste), waste traps (could contain oily wastes) and cesspools (could contain chemical or oily wastes).

S-25.3 Mn/DOT 1717.2E is hereby deleted and replaced with the following:

E Site Plans

The Engineer may require the Contractor to submit a site plan, in writing, detailing proposed erosion control and sediment control measures and a schedule indicating starting and completion times for construction operations working in water bodies and/or in direct proximity to waters of the state.

Contractor shall not start work in the affected areas until the schedule and site plan have been accepted by the Engineer and all materials and equipment for the activity are on site.

S-25.2 Mn/DOT 1717.2 A2 is hereby deleted and replaced with the following:

A2 During Construction

The Contractor shall implement the Project's Storm Water Pollution Prevention Plan. The Contractor shall schedule and install temporary and permanent sediment and erosion control measures, construct ponds and drainage facilities, finish earth work operations, place topsoil, establish turf, and conduct other Contract work in a timely manner to minimize erosion and sedimentation.

All exposed soil areas with continuous positive slopes that are within 60 m (**200 feet**) of a public water shall have temporary or permanent erosion protection within 24 hours after the construction activity in that portion of the site has temporarily or permanently ceased and connection is established to the public water. All other positive slopes to constructed surface waters, such as permanent storm water treatment ponds, curb and gutter systems, storm sewer inlets, temporary or permanent drainage ditches, or other storm water conveyance systems, shall have temporary erosion protection or permanent cover for the exposed soil areas as soon as practicable but no later than 14 days after construction activity has temporarily or permanently ceased in that area. For those drainage areas that have a discharge point within 1 mile and flows to an impaired or Special Waters shall have temporary erosion protection or permanent cover for the exposed soil areas as soon as practicable but no later than 7 days after construction activity has temporarily or permanently ceased in that area. Impaired and Special Waters are defined as those listed and referenced in the NPDES Permit.

Positive slopes adjacent to public waters and wetlands will be stabilized at the close of each day when weather forecasts for rain that evening, and/or overnight including weekends. Once work is completed it will be stabilized permanently as soon as practical but no later than seven days.

Exposed soil areas do not include; stockpiles or surcharge areas of sand, gravel, aggregate, concrete, bituminous, or road bed and surfacing material. A perimeter sediment barrier may be necessary to minimize loss when these are within the 60 m (**200 feet**) of existing surface waters or the property edge.

The bottom of temporary or permanent drainage ditches or swales constructed to drain water from a construction site must be stabilized with erosion control measures for the last 60 m (**200 feet**), or more when conditions warrant, from the property edge or from the point of discharge to any existing surface water. Stabilization shall be completed within 24 hours after the construction activity in that portion of the ditch has temporarily or permanently ceased. Ditch stabilization will continue concurrently with construction activities but no later than 14 days after construction activities have permanently or temporarily ceased. Any, culvert pipe or storm sewer pipe that is within the cumulative distance is not part of this distance. Ditch checks may be provided where necessary to slow water flow and capture sediment.

Temporary or permanent ditches used as treatment systems will not need to be stabilized but must provide the proper Best Management Practices for the treatment system.

Pipe outlets shall be provided with temporary or permanent energy dissipation within 24 hours of connecting the pipe to any constructed or existing surface waters.

The Contractor shall limit the surface area of erodible soil that can be exposed to possible erosion at any one time when the permanent erosion control features are not completed and operative.

All liquid and solid wastes generated by concrete washout operations must be contained and not have the opportunity to come in contact with the surface waters or ground water. This includes the ditches, slopes to ditches, curb and gutter/stormsewer systems, and ponds. Areas where there are sandy soils, karsts, and high ground water the washout facility must have an impermeable liner. Liquid and solid wastes must be disposed of properly. A concrete washout sign must be installed adjacent to each washout facility to notify personnel.

S-33 **(2103) BUILDING REMOVAL**

The building removal shall be performed in accordance with the provisions of Mn/DOT 2103, except as modified and supplemented below. All asbestos and regulated waste/material assessments and removal shall be in accordance with all applicable rules/regulations and Mn/DOT Policy. See Section S-21 (LAWS TO BE OBSERVED (BUILDING REMOVALS)) of these Special Provisions for additional information.

S-33.1 All asbestos and/or regulated waste shall be disposed of in accordance with Mn/DOT's manual "Asbestos and Regulated Waste Manual For Structure Demolition Or Relocations for Construction Projects" available on the following website: <http://www.dot.state.mn.us/environment/regulated-materials/index.html>. Only Mn/DOT approved contractors and disposal end sites listed in this manual as pre-approved for asbestos and/or regulated waste shall be used on this Project (for a list of Mn/DOT approved contractors call 651.366.3630).

S-33.2 Building removal shall consist of removing from the Right of Way the buildings listed in the Plans under each separate parcel number and shall be construed to include the tabulated miscellaneous removals at the location(s) indicated in the Plans. Miscellaneous removal and disposal operations shall be performed consistent with the applicable provisions of Mn/DOT 2104.

If during the course of the building removal process, additional asbestos materials or regulated wastes, other than that noted in the Plans or Special Provisions are encountered, the Contractor shall notify the Mn/DOT Project Engineer who shall suspend work and the Contractor shall furnish a documented inspection and evaluation by a certified contractor prior to the resumption of work. The work, as outlined in this paragraph, will be paid for as Extra Work.

S-33.3 Appointments for viewing the building may be arranged by contacting Jane Lee, Mn/DOT District Right of Way Representative, Metro, telephone (651) 234-7577.

S-33.4 It is the Contractor's responsibility to secure the hoist for safety purposes after the building is removed with the approval of the Engineer.

S-33.5 It is required that building demolition contractors, housemovers and buyers, and their authorized sub-contractors be required to carry a copy of the Mn/DOT Contract approval letter when working on or in Mn/DOT owned houses and buildings.

S-33.6 All hazardous and regulated waste/s shall be removed prior to any sale, demolition or moving of houses. All material shall be removed, identified, and disposed of in accordance with Section S-21 (LAWS TO BE OBSERVED (BUILDING REMOVALS)) of these Special Provisions. The Contractor will not receive permission to begin the removals, with the exception of material needed for hazardous and regulated waste assessment or testing, until the Mn/DOT Project Engineer has copies of all required notices.

S-33.7 The Contractor will not be allowed to proceed with the demolition or moving of buildings until the Mn/DOT Project Engineer has received copies of all required notifications as indicated in Section S-21 (LAWS TO BE OBSERVED (BUILDING REMOVALS)) of these Special Provisions.

S-33.8 Hazardous Materials encountered at the subject properties will be abated under separate contract prior to the commencement of this Building Removal Contract.

S-33.9 FAILURE TO COMPLY WITH NOTIFICATION PROVISIONS WILL BE DEEMED A MATERIAL BREACH OF CONTRACT. IN THE EVENT THAT A REGULATORY AGENCY IMPOSES MONETARY SANCTIONS ON Mn/DOT THAT ARE BASED, IN WHOLE OR IN PART, UPON THE ACTS OR OMISSIONS OF THE CONTRACTOR, THE CONTRACTOR AGREES TO INDEMNIFY Mn/DOT AND TO HOLD Mn/DOT HARMLESS FOR SAME, EXCEPT TO THE EXTENT THAT ANY SANCTIONS WERE CAUSED BY Mn/DOT'S OWN NEGLIGENCE.

S-34 **(2104) REMOVING PAVEMENT AND MISCELLANEOUS STRUCTURES**

Abandoned structures and other obstructions shall be removed from the Right of Way and disposed of in accordance with the provisions of Mn/DOT 2104, except as modified below:

S-34.1 All removal and disposal operations shall be incidental work and no direct compensation will be made therefore. The removal of any unforeseen obstruction requiring in the opinion of the Engineer equipment or handling substantially different from that employed in excavation operations, will be paid for as Extra Work as provided in Mn/DOT 1403.

S-34.2 All removals shall be disposed of by the Contractor outside the Right of Way in accordance with Mn/DOT 2104.3C3 to the satisfaction of the Engineer.

S-34.3 If the Contractor is required to dispose of treated wood the following shall apply:

TREATED WOOD DISPOSAL

This work consists of disposing of treated wood in accordance with the following:

(A) ***Description of Services***

For each site the Contractor shall:

- Describe the method of material pickup and the expected material condition, i.e.: specific lengths, etc.
- Describe the method of waste material transport and waste material disposal site.
- Dispose treated wood in a MPCA permitted lined solid waste landfill (not a demolition landfill).
- The Contractor has the option to chip creosote treated wood on site. After the wood is chipped on site, it can be transported off site and incinerated at a MPCA permitted incinerator. Call 651.366.3630 for list of incinerators permitted to burn creosoted treated wood. This applies to creosote treated wood only.
- Within 30 days after the treated wood is transported off site, the Contractor shall provide the Project Engineer with disposal records. Records include manifests, scale tickets, and invoices. Records shall indicate type of treated wood, quantity, date, and location of disposal.

S-35 **(2104) REMOVE TANK**

Mn/DOT 2104.3 B6 is hereby deleted and replaced with the following:

B6 **TIMBER STRUCTURES AND PETROLEUM STORAGE TANKS**

The Contractor shall completely remove all timber structures and all petroleum storage tanks in accordance with applicable regulations. Some of the following requirements may be more stringent than current Minnesota Pollution Control Agency (MPCA) requirements. Any questions regarding the requirements shall be directed to Nancy Radle at Mn/DOT (651) 284-3781. No later than 30 days following tank removal, one (1) copy of the tank removal report shall be provided to the Engineer and one (1) copy to Nancy Radle at 395 John Ireland Blvd., MS 620, St. Paul, MN 55155. No one outside Mn/DOT shall be given a copy of the report. Requests for copies of the reports shall be directed to Nancy Radle.

S-36 **(2123) STREET SWEEPER (WITH PICKUP BROOM)**

This work shall consist of removing aggregate and soil sediments from paved portions of the Project, or adjacent roadways, open to the traveling public. This work shall be performed in accordance with the applicable Mn/DOT Standard Specifications and the following:

S-36.1 Removal shall be accomplished with self-propelled street sweeping equipment. All materials shall be collected and retained within the sweeping equipment as they are swept. Disposal of the swept material shall be in accordance with Mn/DOT 2104.3C.

S-36.2 Sweeping shall be accomplished as directed by the Engineer and in accordance with any applicable permits obtained for the construction of the Project. The Contractor shall have the responsibility to inform the Project Engineer, or designated representative, of any roadways within or adjacent to the Project which are experiencing aggregate or soil deposits due to the Project construction activities.

S-36.3 The need for roadway sweeping and cleaning is directly related to the construction activities being performed on the Project. At times sweeping and cleaning operations may be needed on a daily basis and other times less frequent needs will exist. When appropriate, a sweeping and cleaning schedule may be developed to ensure adequate debris removal from the roadways on a timely basis.

S-36.4 Roadway sweeping and cleaning shall commence at the times agreed to in a sweeping and cleaning schedule, if one is developed, or within two hours of the Project Engineer's (or designated representative) order to perform sweeping and cleaning activities. Failure to perform sweeping and cleaning activities in accordance with all applicable permits and as directed by the Engineer will result in the assessment of non-compliance charges. **Non-compliance charges, for each separate incident, will be assessed at an hourly rate equal to \$50.00 per hour each hour or any portion thereof which the Engineer determines that the Contractor has not complied.**

S-36.5 Measurement will be made by the hour for the actual time spent sweeping the Project roadways or adjacent streets as indicated in Plans and as directed by the Engineer. This bid item shall be used only as directed by the Engineer.

S-36.6 Payment will be made under Item 2123.610 (Street Sweeper (With Pick-Up Broom)) at the Contract bid price per hour, as measured to the nearest one-half hour, which shall be compensation in full for all costs incidental thereto, including but not limited to labor, equipment, water and debris disposal. No additional compensation will be paid for overtime labor which may be required to complete all necessary sweeping.

S-36.7 Payment under Item 2123.610 (Street Sweeper (With Pick-Up Broom)) will only be for those hours of sweeping necessary to complete construction per the Plans and to keep the Project roadways and adjacent roadways clean from construction debris as ordered by the Engineer. No payment will be made under this Item for sweeping done by "kickoff brooms".

S-37 **(2130) APPLICATION OF WATER**

The provisions of Mn/DOT 2130 are modified as follows:

S-37.1 The third paragraph of Mn/DOT 2130.5 is hereby deleted and the following substituted therefore:

Water applied by order or approval of the Engineer for dust control will be paid for at a unit price of \$5.45 per cubic meter (**\$20 per 1000 gallons**) in the absence of the Contract bid Item 2130.501.

S-38 **(2573) STORM WATER MANAGEMENT**

The provisions of Mn/DOT 2573 are supplemented and/or modified with the following:

S-38.1 follows: The second paragraph of Mn/DOT 2573.3A1 Erosion Control Supervisor, is revised to read as follows:

The Erosion Control Supervisor shall be a responsible employee of the prime Contractor and/or duly authorized by the prime Contractor to represent the prime Contractor on all matters pertaining to the NPDES construction stormwater permit compliance. The Erosion Control Supervisor shall have authority over all Contractor operations which influence NPDES permit compliance including grading, excavation, bridge construction, culvert installation, utility work, clearing/grubbing, and any other operation that increases the erosion potential on the Project. In addition, the Erosion Control Supervisor shall **implement the Contractor's quality control program and other provisions in accordance with 1717.2** and be available to be on the Project within 24 hours at all times from initial disturbance to final stabilization as well as perform the following duties:

S-38.2 follows: Mn/DOT 2573.3 A2, Construction of Temporary Storm Water Basins, is revised to read as follows:

Temporary storm water basins shall be constructed concurrently with the start of soil disturbing activities whenever practicable. The basins must be made fully functional and have storm water runoff from the localized watershed directed to the basins. The exposed sideslopes of the basins must be mulched and/or seeded within the time periods as set forth in 1717, or as directed by the Engineer.

S-38.3 to read as follows: The second paragraph of Mn/DOT 2573.3 A5, Vehicle Tracking Onto Paved Surfaces, is revised to read as follows:

The Contractor is responsible for insuring paved streets are clean at the end of each working day or more often as necessary to provide safety to the traveling public. Tracked sediment on paved surfaces must be removed by the Contractor within 24 hours of discovery, in accordance with 1717.2. Payment for street sweeping to provide safe conditions for the traveling public, environmental reasons or regulatory requirements shall be as provided in accordance with 1514.

S-38.4 The first sentence of Mn/DOT 2573.3E2 is revised to read as follows:

The bioroll shall be installed and anchored with wood stakes. The stakes shall be at a minimum nominally 25 mm x 50 mm (**1 inch x 2 inch**) and a minimum of 400 mm (**16 inches**) long with a pointed end.

S-38.5 The first paragraph of Mn/DOT 2573.3J Filter Log Installation, is revised to read as follows:

J **Filter Log Installation**

Filter logs shall be placed in accordance with the Plan. Straw and wood fiber filter logs shall be staked in place with wood stakes. Wood stakes shall be at a minimum 25 x 51 mm (**1 x 2 inch**) nominal size by 400 mm (**16 inches**) long. The stakes shall be driven through the back half of the log at an angle of approximately 45 degrees with the top of the stake pointing upstream. When more than one log is needed for length, the ends shall be overlapped 150 mm (**6 inches**) with both ends staked. Staking shall be every 0.3 m (**1 foot**) along the log unless precluded by paved surface or rock.

S-38.6 Mn/DOT 2573.5 Basis of Payment, is revised to read as follows:

Payment for storm water management and sediment control items will be compensation in full for all labor, materials, equipment, and other incidentals necessary to complete the work as specified,