

CITY OF SAINT PETER
DEPARTMENT OF BUILDING SAFETY
Phone 507-934-0662 Fax 507-934-4917

NEW HOME PACKET CONTENTS

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CITY OF SAINT PETER DEPARTMENT OF BUILDING SAFETY BUILDING PERMIT REQUIREMENTS

The following information must be submitted to the Building Department before a building permit can be processed and approved. Submit to the Municipal Building, Building Department Office @ 227 South Front Street. Phone 507-934-0662 Fax 507-934-4917

1. **A completed Building Permit Application Form**
 2. **Two (2) copies of a Survey of a Site Plan**
 3. **Two (2) sets of Construction Plans**
 4. **Energy Code Compliance Forms (as required)**
 5. **A completed Excavation Permit (if digging in the right-of-way or street)**
 6. **A completed Plumbing/Mechanical Permit**
 7. **Public Works Checklist**
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1. BUILDING PERMIT APPLICATION FORM: Must be obtained from the Building Department. Provide State contractors license on the application
 2. SURVEY OR SITE PLAN: Provide an updated site plan or survey (to scale) of your property showing all property lines, existing buildings and their dimensions, setbacks (distances) from property lines, wells, easements, streets, alleys and the proposed location of the new house. Please indicate height of house on the site plan (ie: (1) one story, (1 ½) one and one half story, (2) two story). A sample site plan is available from the Building Department.
 3. CONSTRUCTION PLANS FOR SINGLE AND TWO FAMILY DWELLINGS: You must submit two sets of complete plans and specifications (drawn to scale) that contain the following information.
 - a. Footing/Foundation plans showing:
 - i. Material used for fill and footings, depth and width of footings, size and placement of reinforcement.
 - ii. Material used for foundation, size of foundation, size and placement of reinforcement.
 - iii. Type and location of foundation drainage system.
 - b. Floor plan of basement and each floor above
 - c. Front elevation, rear elevation, and both side elevations
 - d. Cross section showing all floors and roof
 - e. Details as needed to show compliance with the Building Code
 - f. Electrical plan (if required)
 - g. Plumbing plan (if required)
 - h. Accessibility compliance (if required)

4. PLANS, SPECIFICATIONS, AND EITHER CALCULATIONS OR COMPLIANCE FORMS SHOWING COMPLIANCE WITH ALL REQUIREMENTS OF THE MINNESOTA ENERGY CODE INCLUDING:
 - a. Exterior envelope component materials, U-values of doors, windows, and skylights
 - b. R-values of insulation used in walls, ceiling/roof floors rim joists basement/foundation walls, etc
 - c. Location of interior air barrier, vapor retarder, and wind wash barrier
 - d. Air sealing requirements
 - e. Size and type of equipment (space heating, water heating, air conditioning, ventilating fans, and other ventilation equipment including input BTU's and CFM ratings)
 - f. Equipment controls
 - g. Any other data needed to indicate compliance with code
5. EXCAVATION PERMIT: An excavation permit is required before digging in the sidewalk, right-of-way, or street. An excavation permit application is available at the Building Department.
6. PLUMBING/MECHANICAL PERMIT: A separate plumbing/mechanical permit is required for any plumbing or mechanical work to be done (new, replacement, or remodel).
7. PUBLIC WORKS APPROVAL: A building permit will not be issued until Public Works has conducted their review of the plans in their areas of responsibility.

REQUIRED BUILDING INSPECTIONS: CALL 507-934-0662

1. **Site:** After the lot lines, setbacks, and elevations are marked and BEFORE any excavation work begins.
2. **Utility:** After the water and sewer service lines are connected, bedded, and tested, but before backfilling occurs.
3. **Footing:** After footing forms are in place, reinforcement is in place, and before pouring concrete.
4. **Poured Foundation:** (if applicable) After forms and reinforcement are in place, and before pouring concrete.
5. **Foundation:** After damp-proofing, after the installation of all exterior insulation and foundation drains are in place and before backfilling.
6. **Framing:** After rough-in electrical inspection, rough-in plumbing drains and vents, and rough-in heating inspections and the roof is weather resistant.
7. **Insulation:** After all insulation, wind wash barrier, and vapor retarders are in place and the roof is weather proof.
8. **Wallboard:** After all wallboard is fastened, but before any taping of butts and fasteners. (Note: This applies to structural and/or firewalls).
9. **Final:** When the building is completed, turf establishment, the final electrical inspection, the final plumbing and the final heating inspections are completed, but before occupancy. A Certificate of Occupancy will be issued when all inspections have been approved and the inspection record is returned to the Building Department.

REQUIRED PLUMBING INSPECTIONS: CALL 507-934-0662.

1. **Underground:** (if applicable) When all underground work is complete and air tested (5# for 15 min.) and before covering.
2. **Rough-In:** After all drain and vent pipe is installed and air tested (5# for 15 min.). After rough-in water pipe is installed and all pipe nail protectors have been installed.
3. **Final:** After all fixtures are set and the completed system passes the manometer test.

REQUIRED MECHANICAL/HEATING INSPECTIONS: CALL 507-934-0662.

1. **Underground:** (if applicable) When all underground duct work is installed, insulation is in place and before covering.
2. **Rough-In:** After all heating, cooling, ventilation lines, and ducts are installed, but before covering.
3. **Fuel Gas Piping:** After all gas piping has been installed an air tested (25# for 30 min.), but before covering.
4. **Final:** After all gas appliances are installed and the system passes a manometer test.

REQUIRED FIREPLACE INSPECTIONS: CALL 507-934-0662

1. **Masonry Rough:** (if applicable) After the fire box, smoke chamber, and first section of flue are installed.
2. **Fireplace Rough:** After unit is installed, gas piping is into the appliance, flue, and vent terminations are installed.
3. **Fireplace Final:** After all hearths, facing materials, and vent terminations are complete.

REQUIRED ELECTRICAL INSPECTIONS: Note: Electrical wiring must be permitted and inspected by the State Electrical Inspector. See SCHEDULING INSPECTIONS below.

1. **Underground:** (if applicable) After all underground work is complete and before covering.
2. **Rough-In:** After all above grade wiring is complete, but before covering
3. **Final:** After all fixtures are installed and the completed system passes the required tests. (Final building inspection will not be complete and Certificate of Occupancy will not be issued until the final electrical inspection is completed).

BUILDING PERMITS WILL NOT BE ISSUED AND WORK CANNOT BEGIN UNTIL THE APPROPRIATE PERMITS HAVE BEEN APPROVED FOR ISSUANCE BY THE BUILDING OFFICIAL. Failure to provide all the information requested above will delay or prevent permit approval. After a preliminary review, additional information may be required. Please allow 7 days for a building permit to be processed. **REMEMBER TO CALL THE BUILDING DEPARTMENT AT 507-934-0662.**

GOPHER STATE ONE CALL: Before excavating, call Gopher State One Call at **1-800-252-1166** to have the location of all underground utilities marked. A **48-hour** advance notice is required. Along with the excavation address, Gopher State One Call will ask for the township, Range, and Section descriptions of your property. That information can be obtained from the Building Department.

SCHEDULING BUILDING OR PLUMBING/MECHANICAL INSPECTIONS: Call the Building Department at **507-934-0662** between 8:00 AM and 5:00 PM, Monday through Friday. To facilitate scheduling, we ask that requests for inspections be made in advance as far ahead as possible. Any requests made **before 12:00 PM will be scheduled that day** as available. Any requests made **after 12:00 PM will be scheduled the following day**. Please have the address, permit number, and type of inspection needed when making your request.

SCHEDULING ELECTRICAL INSPECTIONS: For electrical permits or inspections, call the State Electrical Inspector to schedule.



CITY OF SAINT PETER
DEPARTMENT OF BUILDING SAFETY

Phone 507-934-0662 Fax 507-934-4917

When is a permit required and not required?

TO ALL CONTRACTORS AND HOMEOWNERS DOING ANY WORK ON STRUCTURES OR THEIR SYSTEMS IN SAINT PETER:

PERMITS REQUIRED:

“An owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure; erect, install, enlarge, alter, repair, remove, convert, or replace any **gas, mechanical, electrical, plumbing system, or other equipment**, the installation of which is regulated by the code; or cause any such work to be done, shall first make application to the building official and obtain the required permit.”

WORK EXEMPT FROM PERMIT: (Some of these items may require a zoning permit).

Exemptions from permit requirements of the code do not authorize work to be done in any manner in violation of the code or any other laws or ordinances of this jurisdiction.

A. Building Permits:

- (1) One story detached accessory buildings on not more than 120 square feet.
- (2) Fences not over six feet high.
- (3) Oil derricks.
- (4) Retaining walls not over four feet high from the bottom of the footing to the top of the wall.
- (5) Water tanks of 5000 gal. or less with other stipulations.
- (6) Sidewalks and driveways that are not part of an accessible route.
- (7) Detached decks and platforms not more than 30 inches above grade, without frost footings, and which is not part of an accessible route.
- (8) Painting, papering, tiling, carpeting, countertops, and similar finish work.
- (9) Temporary theater stage sets and scenery.
- (10) Prefabricated swimming pools accessory to dwelling units constructed to a specified height and width.
- (11) Exterior window awnings of Group R-3 and Group U occupancies.
- (12) Movable cases, counters, and partitions not over 5 feet 9 inches tall.
- (13) Agricultural buildings as defined in Minnesota Statutes, section 16B.60. Subdivision 5.

Unless otherwise exempted, plumbing, electrical, and mechanical permits are required for sub items (1) through (13).

B. Gas Permit:

- (1) Portable heating, cooking, or clothes drying appliances.
- (2) Replacement of any part that does not alter approval of equipment or make the equipment unsafe.

C. Mechanical:

- (1) Portable heating appliances.
- (2) Portable ventilation appliances and equipment.
- (3) Portable cooling units.
- (4) Steam, hot, or chilled water piping within any heating or cooling equipment regulated by this code.
- (5) Replacement of any part that does not alter approval of equipment or make the equipment unsafe.
- (6) Portable evaporative coolers
- (7) Self – contained refrigeration systems containing 10 pounds or less of refrigerant or that are actuated by motors of 1 horse power or less.

D. Plumbing:

The clearing of stoppages, provided the work does not involve or require the replacement or rearrangement of valves, pipes or fixtures.

Locally we will allow the repair or replacement of toilets, sinks, and sink faucets provided that all parts and fixtures are code compliant and all work is done according to the Minnesota Plumbing Code.

E. Electrical:

The City of Saint Peter does not issue electrical permits. Electrical permits are issued by the State Board of Electricity, through their local contract inspector. Obtaining a permit from the Board of Electricity does not exempt the work from other Minnesota State Building Code requirements relating to electrical equipment, its location, or its performance.

EMERGENCY REPAIRS:

If equipment replacements and repairs must be performed in an emergency situation, the permit application shall be submitted to the building official within the next working day.

REPAIRS:

Application or notice to the building official is not required for ordinary repairs to structures. The repairs shall not include the cutting away of any wall, partition, or portion of a wall or partition, the removal or cutting of any structural beam or load bearing support, or the removal or change of any required means of egress, or rearrangement of parts of a structure affecting the exit requirements; nor shall ordinary repairs include addition to, alteration of, replacement, or relocation of any standpipe, water supply, sewer, drainage, drain leader, gas, soil, waste, or similar piping, electrical wiring, or mechanical or, other work affecting public health, or general safety.

Either the contractor or a homeowner may apply for and receive the necessary permits, but the **person that is doing the work is responsible to verify that the necessary permit is on the job site before any work begins** and to call for the appropriate inspections. Emergency repairs are the only exception.

NOTE: A homeowner may do work on his/her own residence but obtaining the proper permits and inspections are required.

Requirements for Submitted Building Plans - Single-Family Homes

Applicants for Building Permits in are required to provide two complete sets of project construction plans and a site plan for approval. The Building Inspection Department will review construction plans. The jurisdiction will retain one set of construction plans; one set of approved construction plans will be returned to the applicant to be kept on-site for inspections.

Site Plans

An acceptable Site Plan will show the outline of the parcel, and indicate northern direction with dimensions and include the items listed below.

Dimensions - Indicate all building dimensions.

Address - Indicate address or lot, block and subdivision

Set-Backs - Show all of the building set-back distances. Include the front, side, and rear distances from property lines or from highway right-of-way, from center line of roads, and from shorelines.

Private Drives - Show the location of private drives and alleys.

Accessory Buildings - Show the location of existing or proposed accessory buildings.

Construction Plans

Home Construction Plans should include the items listed below.

Minimum Scale: $\frac{1}{4}'' = 1'$.

Most items can be shown on a typical section sheet.

Elevations - Indicate front, rear, and side elevations.

Floor Plans - Include floor plans of the garage, the basement, and each level of construction. Floor plans should include all dimensions, room descriptions, location of all plumbing fixtures, and location of the mechanical area and the placement of mechanical units, locations of all doors and the door swings, and any applicable notes.

Smoke Detectors - Show placement of smoke detectors.

Windows - Include the manufacturer, identification number, rough openings, header size, style or type of window (double hung, casement, awning, sliding...).

Energy Loss - Calculate and evaluate energy loss.

Foundations - Include block size or poured concrete size, reinforcement placement, size and spacing, and finished height above the footing. If it is a wood foundation, submit the name of the manufacturer and all construction details.

Footings - Include the depth and the width of the footings, the size and placement of bearing pads, and the size and placement of reinforcements. For wood footings and foundations, submit a cross section of rock depth, size, and other construction details.

Conventional Roof - Indicate the size and the spacing of all framing members, the size and the type of sheathing, shingle type and weight, and underpayment material.

Truss Roof - Trusses must be designed by a registered engineer of the State of Minnesota or manufactured by a certified manufacturer of trusses approved by the State of Minnesota.

Studs - For all interior and exterior walls, indicate the stud size and spacing.

Joists / Beams / Posts - Include size and type of all headers, micro lam and laminated veneer lumber (LVL). For steel beams include the beam size designation number (i.e.: W10x29). For I-joists include the size, the spacing, the manufacturer, and additional pertinent details.

Exterior Sheathing - Indicate the size and the type of all exterior sheathing.

Exterior Siding - Indicate the size and the type of all exterior siding.

Exterior Wall Insulation - Indicate the size and the type of all exterior wall insulation.

Vapor Barrier - Indicate the type of vapor barrier to be used in the walls and ceiling.

Interior Walls / Ceilings - Indicate the size and the type of interior wall and ceiling coverings.

Ceiling Insulation - Indicate the type and the thickness of ceiling insulation.

Stairways - Include the maximum riser height, the minimum tread measurement, the vertical head room, handrail, guardrail height, and baluster spacing.

Fire Protection - Submit details of the fire protection between living quarters and attached garage.

Fireplace / Wood Burners - Include chimney type and size, construction details, and other pertinent information.

BUILDING PERMIT
DATA PRACTICES ADVISORY

You are required to submit building plans with your permit application so that the City can determine if a building permit should be issued. If you do not submit building plans when they are required, you will not obtain the permit. If you think that those plans have economic value from not being generally available and you wish to maintain their secrecy, please check the box below that is designated "trade secret information" and explain your reasons. If you think that those plans have information that would jeopardize the security of the property if the information were released, please check the box below that is designated "security information" and explain your reasons. Trade secret information and security information are not available to the public. Building plans that contain trade secret information or security information will not be given to the public and will be provided only to government officials who have a need to review them. Other building plans are available to anyone.

* * * * *

To be completed by the applicant:

- The building plans have "trade secret information". Please explain:

- The building plans have "security information". Please explain:

- The building plans do not have "trade secret information" or "security information".

Date: _____

Signature of Permit Applicant

**CITY OF SAINT PETER ADDRESS NUMBERS
RE: MINNESOTA STATE FIRE CODE**

1. ALL PRINCIPLE BUILDINGS MUST BE NUMBERED.
2. NUMBERS MUST BE OF A COLOR CONTRASTING THE BACKGROUND.
3. NUMBERS MUST BE CLEARLY VISIBLE FROM THE STREET
(MINIMUM OF 4 INCHES RECOMMENDED).
4. NUMBERS MUST BE ON THE FRONT (OR SIDE) OF THE BUILDING THAT
FACES THE ADDRESS STREET.
5. NUMBERS MUST BE ON THE BUILDING ITSELF
(Numbers on light posts, etc., are allowed, but only in addition to the number on the
building).
6. NUMBERS MUST NOT BE HIDDEN FROM THE STREET BY SHRUBBERY OR
OTHER OBJECTS.

To: Permittee

From: Dean Busse, Building Official
Russ Wille, Director of Community Development

Re: Damaged Sidewalks and Curbs during construction

Concerns have been raised that during construction several of the city sidewalks and curbs could be damaged. In order to eliminate damage to the sidewalks and curbs during construction, curb cuts should be done prior to construction in order to provide for easy access to the lot. If the permittee is unable to provide a curb cut prior to construction, a portion of the curb should be identified by spray paint/stakes, indicating the area that heavy equipment can enter and exit the lot.

Please note that it will be the responsibility of the permittee to replace any sidewalk and/or curb that is damaged during construction. Damage cannot be repaired. Replacement of the damaged sections (from construction cut or score line to construction cut or score line) will be required as per city standards.

If you should have any questions, please contact the building department at 1-507-934-0662.

January 1, 2010

Residents of Saint Peter:

The State of Minnesota requires that the public drinking water supply be protected from cross-connection. Each home owner is responsible for providing this protection. This can be accomplished by providing an air gap between a water supply (faucets) and drain or sinks/tubs, or by installing a vacuum breaker or a backflow preventor at the point of use. All threaded faucets where a hose can be attached, inside or outside, the home needs to be fitted with a vacuum breaker to prevent possible back flow to the water supply.

The Building Department will be requiring backflow prevention in all existing homes and new construction when a permit is issued.

The vacuum breaker for a hose connection and the proper hose bibs can be purchased at a local hardware store or at a plumbing supply store.

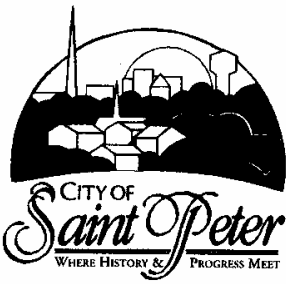
If you have any questions, Please feel free to contact the City Building Department at City Hall 1-507-934-0662.

Thank you for your time.

A handwritten signature in black ink, appearing to read 'D. Busse', written in a cursive style.

Dean Busse
Building Official
Building Department

DB/II



City of St. Peter
Building Department
 227 South Front
 St. Peter, MN 56082

Permit Number _____

Phone: 507- 934-0662 Fax: 507- 934-4917

BUILDING PERMIT APPLICATION

BUILDING SITE ADDRESS _____ (OR) LOT _____ BLOCK _____ PHONE _____

PROPERTY OWNER _____ ADDRESS _____ PHONE _____

GENERAL CONTRACTOR _____ LICENSE # _____ ADDRESS _____ PHONE _____

PLUMBING CONTRACTOR (IF APPLICABLE) _____ LICENSE # _____ ADDRESS _____ PHONE _____

MECHANICAL CONTRACTOR (IF APPLICABLE) _____ ADDRESS _____ PHONE _____

ELECTRICAL CONTRACTOR (IF APPLICABLE) _____ LICENSE # _____ ADDRESS _____ PHONE _____

EXCAVATION CONTRACTOR (IF APPLICABLE) _____ LICENSE # _____ ADDRESS _____ PHONE _____

PROPERTY USE

SINGLE FAMILY RES.
 TWO FAMILY RES.
 THREE + FAMILY RES.
 COMMERCIAL
 INDUSTRIAL
 INSTITUTIONAL
 PUBLIC

TYPE OF WORK

NEW BUILDING
 EXISTING BUILDING
 ADDITION
 REMODEL
 REPAIR
 DECK
 REROOF
 RESIDE

TYPE OF STRUCTURE

PRINCIPLE BUILDING
 GARAGE
 ACCESSORY BUILDING
 TEMPORARY BUILDING
 OTHER (SPECIFY)

Occupancy _____
 Type of Construction _____

PROPOSED SETBACKS

FRONT _____ NSEW _____
 LEFT _____ NSEW _____
 RIGHT _____ NSEW _____
 REAR _____ NSEW _____

DESCRIPTION OF PROJECT _____

CONSTRUCTION & SITE PLANS ATTACHED (TWO COPIES EACH) YES NO SQUARE FOOTAGE _____
 IS AN EXCAVATION PERMIT REQUIRED? YES NO IS THE HOME OLDER THAN 1978? YES NO
 IF SO PROVIDE LEAD CERTIFICATION LICENSE # _____ SIGN (LICENSEE) _____

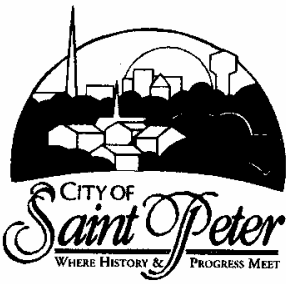
SIGNATURE OF: OWNER CONTRACTOR AUTHORIZED AGENT _____ DATE _____

ESTIMATED VALUE OF WORK (INCLUDING LABOR)
 DOES THIS VALUE INCLUDE P&H YES NO

BUILDING PERMIT FEE _____
 PLAN REVIEW FEE _____
 STATE SURCHARGE _____
 TOTAL BUILDING FEE _____
 PUBLIC WORKS FEE _____
 TOTAL PERMIT FEE _____
 RECEIPT NUMBER _____
 ISSUED BY _____
 PW APPROVAL _____

Permit becomes void if work does not begin within 180 days or if suspended at any time for over 180 days. Permits issued and inspections made by the City are a public service and do not constitute any representation, guarantee or warranty, either implied or expressed, to any person as to the condition of the building or conformance to applicable construction codes. The undersigned acknowledges that this application has been read and that the above is correct and agrees to comply with all the ordinances and laws of the City of Saint Peter regulating building construction.

BUILDING OFFICIAL APPROVAL _____ **DATE** _____ **ZONING ADMINSTRATOR APPROVAL** _____ **DATE** _____



City of St. Peter
Building Department
 227 South Front
 St. Peter, MN 56082

Phone: 507- 934- 0662 Fax: 507- 934- 4917

Permit Number _____

PLUMBING-MECHANICAL PERMIT APPLICATION

- PLUMBING PERMIT
- MECHANICAL PERMIT
- BOTH
- FIRE SPRINKLERS
- LAWN SPRINKLERS

BUILDING SITE ADDRESS _____ (OR) LOT _____ BLOCK _____ PHONE _____

PROPERTY OWNER _____ ADDRESS _____ PHONE _____

PLUMBING CONTRACTOR _____ LICENSE # _____ ADDRESS _____ PHONE _____

MECHANICAL CONTRACTOR _____ ADDRESS _____ PHONE _____

ELECTRICAL CONTRACTOR _____ LICENSE # _____ ADDRESS _____ PHONE _____

ARCHITECT/ENGINEER _____ LICENSE # _____ ADDRESS _____ PHONE _____

CLASS OF WORK	BUILDING USE	TYPE OF WORK	TYPE OF STRUCTURE
<input type="checkbox"/> NEW <input type="checkbox"/> ADDITION <input type="checkbox"/> ALTERATION <input type="checkbox"/> REPLACE WATER HEATER <input type="checkbox"/> REPLACE FURNACE <input type="checkbox"/> HVAC <input type="checkbox"/> OTHER _____	<input type="checkbox"/> SINGLE FAMILY RES. <input type="checkbox"/> TWO FAMILY RES. <input type="checkbox"/> THREE + FAMILY RES. <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> INSTITUTIONAL <input type="checkbox"/> PUBLIC	<input type="checkbox"/> NEW BUILDING <input type="checkbox"/> EXISTING BUILDING <input type="checkbox"/> ADDITION <input type="checkbox"/> REMODEL <input type="checkbox"/> REPAIR	<input type="checkbox"/> PRINCIPLE BUILDING <input type="checkbox"/> GARAGE <input type="checkbox"/> ACCESSORY BUILDING <input type="checkbox"/> TEMPORARY BUILDING <input type="checkbox"/> OTHER _____

PLUMBING SECTION: SPECIFY NUMBER OF FIXTURES _____ IS A PLUMBING PLAN ATTACHED? YES NO

DESCRIPTION OF WORK _____

DOES YOUR PLUMBING PLAN INCLUDE A FIRE SPRINKLER YES NO LAWN SPRINKLER YES NO

MECHANICAL SECTION:

HEATING UNIT (Gas) (Other _____) (Efficiency _____ %) (Size _____ BTU)

(Sealed Combustion) (Direct or Power Vented) (Atmospherically Vented) (Other _____)

WATER HEATER (Electric) (Gas) (Sealed Combustion) (Direct or Power Vented) (Atmospherically Vented)

COOLING UNIT (Size _____) (Seer _____)

ENERGY / VENTILATION SECTION:

- MINNESOTA ENERGY CODE COMPLIANCE METHOD:**
- CHAPTER 7670 (Attach appropriate worksheet)
 - CHAPTER 7672 (Attach appropriate worksheet)
 - CHAPTER 7674 (Attach appropriate worksheet)
 - CHAPTER 7676 (Attach appropriate worksheet)

SIGNATURE OF: OWNER CONTRACTOR AUTHORIZED AGENT _____ DATE _____

ESTIMATED VALUE OF WORK (INCLUDING LABOR) _____ IS THIS VALUE INCLUDED IN BUILDING PERMIT? YES NO

I certify that the information contained herein is correct and agree to do the proposed work in accordance with the ordinances and codes of the City of Saint Peter regulating building construction. If the person making this application is not the property owner, the applicant represents that the owner has authorized such work and the submittal of the application. Approved plumbing/mechanical permits are issued to the applicant. The permit holder is responsible for all required inspections and corrections to completion.

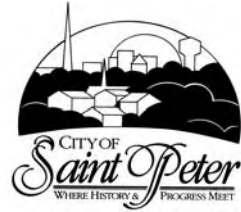
PLUM/MECH PERMIT FEE _____
PLAN REVIEW FEE _____
STATE SURCHARGE _____
TOTAL PERMIT FEE _____
RECEIPT # _____
ISSUED BY _____

BUILDING OFFICIAL APPROVAL _____ **DATE** _____

New Construction Energy Code Compliance Certificate

Per N1101.8 Building Certificate. A building certificate shall be posted in a permanently visible location inside the building. The certificate shall be completed by the builder and shall list information and values of components listed in Table N1101.8.

Date Certificate Posted



Mailing Address of the Dwelling or Dwelling Unit	City
Name of Residential Contractor	MN License Number

THERMAL ENVELOPE										RADON SYSTEM	
Insulation Location	Total R-Value of all Types of Insulation	Type: Check All That Apply								Passive (No Fan)	
		Non or Not Applicable	Fiberglass, Blown	Fiberglass, Batts	Foam, Closed Cell	Foam Open Cell	Mineral Fiberboard	Rigid, Extruded Polystyrene	Rigid, Isocynurate	Active (With fan and monometer or other system monitoring device)	
Below Entire Slab										Other Please Describe Here	
Foundation Wall										Type in location: interior exterior or integral	
Perimeter of Slab on Grade											
Rim Joist (Foundation)										Type in location: interior exterior or integral	
Rim Joist (1 st Floor+)										Type in location: interior exterior or integral	
Wall											
Ceiling, flat											
Ceiling, vaulted											
Bay Windows or cantilevered areas											
Bonus room over garage											
Describe other insulated areas											

Windows & Doors	Heating or Cooling Ducts Outside Conditioned Spaces
Average U-Factor (excludes skylights and one door) U:	Not applicable, all ducts located in conditioned space
Solar Heat Gain Coefficient (SHGC):	R-value

MECHANICAL SYSTEMS					Make-up Air <i>Select a Type</i>	
Appliances	Heating System	Domestic Water Heater	Cooling System		Not required per mech. code	
Fuel Type					Passive	
Manufacturer					Powered	
Model					Interlocked with exhaust device. Describe:	
Rating or Size	Input in BTUS:	Capacity in Gallons:	Output in Tons:		Other, describe:	
Structure's Calculated	Heat Loss:		Heat Gain:		Location of duct or system:	
Efficiency	AFUE or HSPF%		SEER:			
			Calculated cooling load:		Cfm's	
					" round duct OR	
					" metal duct	

Mechanical Ventilation System						Combustion Air <i>Select a Type</i>	
Describe any additional or combined heating or cooling systems if installed: (e.g. two furnaces or air source heat pump with gas back-up furnace): <i>Select Type</i>						Not required per mech. code	
Heat Recover Ventilator (HRV) Capacity in cfm's:	Low:	High:			Passive		
Energy Recover Ventilator (ERV) Capacity in cfm's:	Low:	High:			Other, describe:		
Continuous exhausting fan(s) rated capacity in cfm's:					Location of duct or system:		
Location of fan(s), describe:					Cfm's		
Capacity continuous ventilation rate in cfm's:					" round duct OR		
Total ventilation (intermittent + continuous) rate in cfm's:					" metal duct		

CITY OF SAINT PETER ENERGY CODE WORKSHEET

(To be used with MNCheck Computer Program)

BUILDING ADDRESS: _____ **DATE:** _____

CONTRACTOR/OWNER: _____

1. GROSS CEILING AREA: Raised Heel (Energy Truss) = _____ Square Feet "R"-Value _____

Standard Truss – Flat ceiling or scissors truss = _____ Square Feet "R"-Value _____

Cathedral Ceiling = _____ Square Feet "R"-Value _____

2. GROSS WALL AREA: (1st Floor) _____ Lineal Feet x _____ Height = _____ Square Feet. "R"-Value _____

3. GROSS WALL AREA: (2nd Floor) _____ Lineal Feet x _____ Height = _____ Square Feet. "R"-Value _____

4. GROSS RIM JOIST AREA: _____ Lineal Feet x _____ Height = _____ Square Feet. "R"-Value _____

5. GROSS KNEEWALL AREA: _____ Lineal Feet x _____ Height = _____ Square Feet. "R"-Value _____

6. GROSS BASEMENT WALL AREA: _____ Lineal Feet x _____ Height = _____ Square Feet "R"-Value _____

7. GROSS CRAWL SPACE FOUNDATION AREA: _____ Lin. Ft. x _____ Hgt.= _____ Sq. Ft. "R"-Value _____
(From top of footing to top of wall)

8. FLOOR OVER UNCONDITIONED SPACE AREA: = _____ Square Feet "R"-Value _____
(Areas over garages, crawl space, unconditioned basement, etc.)

9. FLOOR OVER OUTSIDE AIR: = _____ Square Feet "R"-Value _____

10. PERIMETER OF HEATED SLAB ON GRADE: (If applicable) = _____ Lineal Feet "R"-Value _____

11. HOUSE WINDOW AREA: (Of same "U" Value) = _____ Square Feet "U"-Value _____

12. HOUSE WINDOW AREA: (Of same "U" Value) = _____ Square Feet "U"-Value _____

13. HOUSE WINDOW AREA: (Of same "U" Value) = _____ Square Feet "U"-Value _____

14. FOUNDATION/BASEMENT WINDOW AREA (Maximum "U" Value of 0.51) = _____ Square Feet "U"-Value _____

15. PATIO DOOR AREA: = _____ Square Feet "U"-Value _____

16. ENTRY DOOR AREA: (Less than 50% Glass) = _____ Square Feet "U"-Value _____

17. ENTRY DOOR AREA: (More than 50% Glass) = _____ Square Feet "U"-Value _____

18. SKYLIGHT WINDOW AREA: (Maximum "U" Value of 0.55) _____ Square Feet "U"-Value _____

19. FURNACE AFUE: (Efficiency rating) _____ Rating _____

20. AIR CONDITIONER SEER RATING: _____ SEER _____

COMMENTS: _____

INFORMATION NEEDED FOR MECHANICAL & ENERGY CODE:

Sq. ft. (including basement):

Average height of ceiling:

No. of bedrooms (including future):

Ventilation type (balanced or exhaust):

HRV (yes or no)

ERV (yes or no)

Defrost deduction:

%

CFM (low)

CFM (high)

No. of water heaters:

How vented?

Input BTU's

No. of Furnaces:

How vented?

Input BTU's

Gas fireplace? Yes or no

Type:

Input BTU's

Solid fuel fireplace: (yes or no)

Largest other exhaust fan (cfm):

List other exhaust fans & CFM for each:

Combustion space: width:

length:

height:

PUBLIC WORKS CHECKLIST
Information Required for Building Permit Application
 Building Department 934-0662 Department of Public Works 934-0670

Address: _____

- Map showing how building will be located on the lot.
 Also include on the map:
 - Exterior stormwater drainage plan identified.
 - Directional arrows are shown for proposed drainage.
 - Drainage easements are identified.
 - Description and location of erosion and sediment control (silt fence, mulch, or other sediment control) devices. (Standard Detail Plate #3003, #3004)
 - Location of temporary stockpiles on private property identified.
 - Description and location of erosion and sediment control (silt fence, temporary seeding, mulch, or other sediment control) devices for temporary stockpiles on private property. (Standard Detail Plate #3003, #3004)
 - Location of access to lot identified.
 - If an access to the lot is being requested a rock entrance (Standard Detail Plate #3005) will need to be installed.
 - Location of concrete washout identified.
 - Location of curb cut for driveway identified.
 - Existing or Proposed size of curb cut desired _____ (Standard Detail Plate #7020)
 - Location of curb stop identified. If curb stop is in the driveway or a sidewalk an A-32 Ford water cover is required. (Standard Detail Plate #6002)
 - Location of water service and curb stop identified. (Standard Detail #6002, #6003)
 - Location of wastewater service and clean out identified. If the clean out is in the driveway or a sidewalk an A-32 Ford water cover is required. (Standard Detail #5004)
 - Location of electric service identified. (Identify from beginning to termination point)
 - Service to be open cut Service to be directional bored
 - Weekly site inspections need to be preformed by the contractor.
- Mechanical room floor plan including the following information:
 - Utility room location
 - Water meters location in the utility room
 - Sump pump and tile location and outside rigid pipe discharge location
 - Electric panel location (interior)
 - Desired electric meter location (exterior) (Standard Detail #2013)
- Size of copper water service:
 - 1 inch 1 ½ inch 2 inch other _____
 - Amount of 1" Type K copper requested _____
- Size of PVC wastewater service:
 - 4 inch 6 inch other _____
- Electric service: Size _____ Amps Temporary electric service required: Yes No
- Excavation proposed in Right-Of-Way Yes No
 - Please inform excavators that additional fees will be required in the right-of-way if not paid when the building permit is taken out.

(IF THIS INFORMATION IS NOT PROVIDED THE PERMIT APPLICATION WILL BE CONSIDERED INCOMPLETED AND WILL BE RETURNED)

Signature: _____
 Contractor or Owner

Name: _____
 (Please Print)

Reviewed by: _____
 Signature

Name: _____
 (Please Print)



STORMWATER UTILITY
Building Department 934-0662 or Public Works 934-0670

ATTENTION BUILDER:

AS PART OF YOUR BUILDING PERMIT REQUIREMENTS, YOU ARE RESPONSIBLE FOR EROSION CONTROL OF THIS PROPERTY.

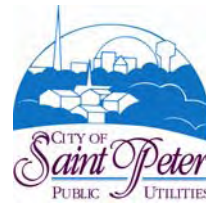
AT A MINIMUM, YOU MUST HAVE:

- 1. SILT FENCES PROPERLY INSTALLED & MAINTAINED.**
- 2. ROCK CONSTRUCTION ENTRANCE ONTO PAVED STREETS.**
- 3. PROTECTION AT CATCH BASINS & PIPE INLETS.**
- 4. PREVENTION OF EROSION AT PIPE & CHANNEL OUTLETS.**
- 5. INTERIM SEED & MULCH ON ALL EXPOSED SOILD.**
- 6. STREET SWEEPING COMPLETED.**

BUILDING INSPECTORS WILL NOT PERFORM INSPECTIONS OR ISSUE THE CERTIFICATE OF OCCUPANCY IF EROSION CONTROLS ARE NOT IN COMPLIANCE WITH CITY REQUIREMENTS.

The Stormwater Utility will periodically check the property for erosion control compliance. Properties that are out of compliance will be issued a Stop Work Warning, and corrections must be completed within 72 hours. Building and Site Inspections will be stopped immediately until the property is brought into compliance.

Failure to correct these items to comply fully with all City requirements will cause a **STOP WORK ORDER** to be issued. Corrective action may also be taken by the Stormwater Utility or the City may hire an independent contractor to bring the property into compliance. All costs incurred will be deducted from the property's **escrow** including a fee for each re-inspection that is performed.



Dear Building Permit Holder,

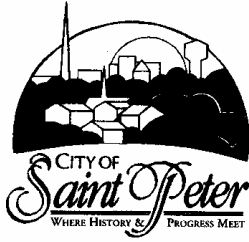
The City of Saint Peter is subject to State and Federal laws prohibiting discharge from your property into our storm drains and waterways of anything except clean rainwater. As a requirement of these laws, the City enforces construction regulations concerning Best Management Practices (BMPs). The City conducts inspections of building construction sites to assure these quality control measures are in place. Your building site will be subject to these inspections.

During an inspection, City staff will evaluate the permitted site to identify conditions that may result in discharges of pollutants to stormwater. All types of potential contaminants from jobsites including sediment, oil vehicle fluids, concrete washout, paint, landscaping materials, fertilizers, pesticides, and trash are prohibited. If the site is larger than one acre or less than one acre and the activity is part of a "larger common plan of development or sale" that is greater than one acre requires a General Stormwater Permit through the Minnesota Pollution Control Agency.

Following are some of the items that inspectors will review:

- Control of sediment or muddy water running off from the site.
- Potential of contaminated runoff in the event of rainfall (e.g. vehicle fuel or fluid leaks, material spills, paint waste, unprotected stockpiles, etc.)
- Stabilized construction access is installed and maintained and there is no mud, debris, or trash on the adjacent roads.
- Erosion controls (temporary seeding, undisturbed land, mulching) and perimeter controls (silt fence, socks, wood chips) are properly installed and maintained.
- Construction material is properly stored (covered when not in use, out of the right-of-way, secondary containment if needed).
- Dust control measures are being effectively applied.
- Concrete washout area is labeled, supplied and maintained to subcontractors.
- Dumpsters are covered, cleaned-up and emptied regularly to keep the site trash free.
- Portable toilets are out of the street and the right-of-way so liquid can't enter the storm drain system if they are knocked over.
- All operator storm drain inlets are effectively protected from sediment inflow.

If the inspector identifies an actual or potential discharge of any pollutant, the jobsite operator and/or owner will be asked to correct the situation. If you have any questions related to inspections, please call the Stormwater Utility at (507) 934-0670.



SAINT PETER DEPARTMENT OF BUILDING SAFETY WATER AND SEWER SERVICE LINE POLICIES FOR NEW CONSTRUCTION AND REPAIRS

PERMITS REQUIRED: Before commencing work to install or repair any water or sewer service line, a plumbing permit must be obtained from the Building Department. If work involves digging in the public right-of-way (R.O.W.), a R.O.W. permit must also be obtained from the Building Department. For emergency repairs, the permits must be obtained during the next business day.

Several Public Works staff members have been authorized by the Building Official to conduct the necessary inspections of this work when K copper water lines and PVC or ABS sewer lines are installed. See accompanying Public Works Water and Sewer Service Policy for details. If any other materials approved by the Minnesota Plumbing Code are intended to be installed, notice must be given to the Building Department prior to commencement of installation so that alternate inspections procedures can be undertaken.

Any materials installed in the R.O.W. must be approved by the Department of Public Works. Any materials installed in the property and not in the R.O.W. must be approved by the Minnesota Plumbing Code.

**2012 WATER AND SEWER SERVICE POLICY
and
NEW HOME CONSTRUCTION**

**DEPARTMENT OF PUBLIC WORKS
Water Resources
405 W. Saint Julien Street
(507) 934-0670 – telephone**



**Amy Kamm – Stormwater Foreman
Chris Voeltz - Water Foreman Steve Bushman - Wastewater Foreman**

POLICY REQUIREMENTS – The Saint Peter Utilities Division has identified several key issues that can assist you with installation, inspection and energizing your water and sewer services. Saint Peter Utility Standard Details and Minnesota Plumbing Code requirements apply for all installations of water and sewer services.

INSPECTION REQUIREMENTS: Utility staff completes inspections of all new and repaired utility service lines (water, sewer, or stormwater) before any utility can be covered. To assure timely service, the contractor should make contact with the *Stormwater Foreman* at least **four (4) hours** in advance of the need for an inspection. Call Public Works and ask to schedule an inspection with the Stormwater Foreman and our staff will put you in contact with the right person. If you do not speak directly with the Stormwater Foreman you may leave a message on her voicemail but that does not assure that the message has been received. Service inspections will be performed free of charge if the contractor or plumber has made the proper arrangements for an inspection during normal working hours. Overtime rates will apply if an inspection is required after normal working hours and/or proper notification has not been completed.

Please note that Utility Staff cannot permit a water service remain energized if the inspection requirements have not been met. Please check with the inspector to verify the status before asking that the water service be energized.

WATER SERVICE: (Standard Detail 6002 & 6003) Public Works Staff will complete a visual inspection of the water service line from the City owned main in the street to the final location of the water meter inside the building. It is the responsibility of the plumber/owner to call Public Works and arrange for an inspection so staff may view the entire line prior to covering or bedding the service line. The excavation must be completed so it is safe to enter the trench to complete the inspection.

- The Water Utility supplies the 1" Type – K copper for the service line to a single family residential home. Please make arrangements with the Water Foreman for pick up of copper from the Broadway Water Treatment Plant.
- Compression fittings will be allowed when connecting to the water service in the right-of-way (ROW) but are not permitted underground on private property or in easements.
- Silver soldered joints are acceptable as per state code.
- Flare fittings are allowed as per state code. The installation of a flare on the copper is a concern of the utility due to the hammering affect against a sealed joint.
 - A contractor who desires to use flare couplings can either use a ratchet flaring tool to install the flare or may use a flaring tool and hammer after which it is required that all known joints be exposed for a visual inspection.

Tips for Flaring Copper with a Ratchet Tool - An incorrect flare is one of the most common sources of leaks. To help prevent leaks and call backs, cut the tubing with a sharp cutting wheel for a clean right-angle cut. Use a rounding device to straighten the copper and to avoid tube constriction, use a light hand on the feed screw. Since unremoved burrs can break off into the tubing or scratch the flared surface, remove burrs with a debarring tool. A flare tool with burnishing cone puts a high polish on the flare and rolls out a perfect 45° flare. Over or under flaring prevents a good seal. If needed, use a drop of oil on the feed screw for precise action.

SEWER SERVICE: (Standard Details 5004, 5005 and 5017) Public Works Staff will complete inspections on the sewer service line from the City owned main in the street to 10' past the exterior cleanout. The sewer service pipe needs to be installed on compacted soil and Utility inspectors will be looking for a compacted trench; the plumber/owner needs to assure that proper compaction has been completed before installing the pipe. The sewer service shall be installed at a minimum cover depth of six feet (6'). Any portion of the sewer with a cover depth of less than six feet (6') shall be insulated with a minimum of two inch (2") waterproof foam board insulation.

- It is the responsibility of the licensed plumber or owner to call Public Works and arrange for an inspection so staff may view the entire line prior to covering or bedding the service line.
- The exterior cleanout needs to be installed as per Standard Detail 5004. An exterior cleanout on a service line allows Utility Staff to televise your private service at no additional cost to the homeowner should they experience trouble with the sewer service. If an exterior cleanout is not installed the sewer service will not be televised free of charge.
 - Before the water service is energized Utility inspectors will examine the exterior clean-out to assure it is properly capped as per Standard Detail 5004.

REQUEST FOR SERVICE: During a normal workday, requests to turn on or turn off water services received in the morning (A.M.) will be completed in the afternoon of the same day, providing that the service line is accessible and operable. Requests received after 12:00 (noon) will be completed before noon the following business day.

MATERIALS SUPPLIED BY THE UTILITY: The Water Utility supplies the 1" Type – K Copper for the service line and a dual meterhorn assembly for each new single family residential service. Materials supplied by the Utility can be picked up at the Public Works office by calling the Water Foreman and scheduling a time to pick up the materials. Materials will not be delivered to the job site or left at an empty house.

ENERGIZING A WATER SERVICE: Utility Staff will energize a new or existing water service after the water and sewer services have been inspected and approved for use by Utility staff. Utility staff will also pick up the remaining unused copper at this time. If the unused copper is not returned at this time then the water line will not be energized. After meeting inspection requirements the owner or licensed plumber can schedule an appointment to complete the meter installations. An appointment can be scheduled by contacting the Public Works Office and asking for the Water Foreman. The plumber/owner needs to provide the address where the work is to be performed and must identify the scope of work planned. Prior to staff arrival, the plumber shall install a dual meter horn assembly for each new residential water service installation. The Water Utility will install the meters, energize the service, and complete a visual inspection.

When making an appointment to energize a service please note Utility Staff cannot energize a vacant property, the plumber/contractor/owner needs to be present when the service is energized so timing for both parties is critical. Also, please note that anyone besides Utility Staff member are prohibited from operating the City-owned curb stop (*Saint Peter City Code Ordinance 3.04 Subd. 7. Unlawful Acts. Section C.*).

WATER METER LOCATION: In order to prevent damage to the water service line the Saint Peter Utility suggest that all residential water meters shall be rigidly supported and located in the utility/laundry area or as approved during the building permit process. The meter should be adjacent to a floor drain, 12" to 24" above the floor, and 12" away from the wall. Please remember that at all times the water meter must be accessible for reading and for Staff to perform maintenance. Commercial or business meter locations need to be submitted for approval at the time of the building permit application. This assures timely installation and availability of materials.



STORMWATER UTILITY Permit No. _____
Building Department 934-0662 or Department of Public Works 934-0670
PERMIT TO WORK WITHIN CITY PROPERTY/RIGHT-OF-WAY/EASEMENTS
OBSTRUCTION ___ EXCAVATION ___

1. Location _____

(Street, property address or legal description, or distance and direction from nearest public street intersection)

2. Nature of work _____

DESCRIPTION: Please include a detailed description and drawing of the project and project work, including identification of obstructions/structures to be placed, and size and depth of excavation.

3. Indicate below the items to be affected/disturbed and include information on drawing or plan of work to be done.

- Curb & Gutter/Driveway Pond/Wetlands Street Surface Traffic Control Devices/Signs
 Drainage Private Utilities (gas, phone, cable) Structures/Buildings Trees
 Established Turf Public Utilities (sewer, water, electric) Trail/Sidewalk Other

4. Method of installation or construction _____

5. Work to start on or after _____ and shall be completed within 90 days unless an extension granted.

_____ Date by _____ Staff

6. Are lane closures or detouring of traffic necessary? No Yes If yes, state duration and suggested route for each instance: (attach detour map) _____

DETOURS: All detour plans are required as part of this permit and must be pre-approved in writing by the Department of Public Works. The Department of Public Works shall be notified in writing at least three (3) working days in advance of any approved detour being established, changed, or discontinued.

Name of applicant _____ Phone _____
Please Print

Address _____
Street City State Zip

Name of party or organization performing work _____

Gopher State One-Call # _____ E-mail address _____ @ _____
 ticket

Contact person _____ Emergency (24 Hr.) Phone _____

Address _____ Day Phone _____
Street City State Zip Fax _____

The undersigned understands and accepts the terms and condensation of this permit and agrees to fully comply with all rules, standards and ordinances regulating work within the right-of-way. The permittee agrees to provide an instrument of surety in the amount of \$3,000.00 through the following options: Surety Bond, Cash, Certified Check or Letter of Credit any of which must be returned or released upon work completion that meets all rules, standards and ordinances verified through a final inspection.

Signed _____ Title _____ Date _____

All legal requirements shown on attached pages are to be complied with. A final inspection is required with each permit. Please provide a 4- hour notice for any inspections. To set up an appointment please call the Stormwater Utility at 934-0670.

CITY USE ONLY Authorization of Permit _____

Financial Security Amount \$ _____ Type of Surety _____

Fee \$ _____ Receipt No. _____ Permit No. _____

Surety \$ _____ Receipt No. _____

In consideration of agreement to comply in all respects with the regulations and codes of the City of Saint Peter covering such operations, and pursuant to authorization duly given by said City of Saint Peter, permission is hereby granted for the work to be done as described in the above application with said work to be done in accordance with special provisions as hereby stated: Approved By _____ Date _____

Inspections Meets Compliance: No further work is required.

Does not meet compliance. Follow up work is needed. _____

Inspected by: _____ Date: _____

Are you in compliance?

2012 Residential lot requirement reminders!

1. Residential Rates for SAC and WAC are as follows:
 - Sewer Access Charge is \$1,500.00
 - Water Access Charge is \$1,800.00
2. Dust Control - When saw cutting existing curb to install the driveway the contractor must use water to control the dust. The goal is to protect the downstream catch basins with the appropriate Best Management Practice (BMP). When the slurry is dry the contractor is responsible for sweeping up the dry power and disposing of it properly. At this point any BMP installed may remove.
3. When installing the curb cut please call the stormwater utility to set up an inspection. Please follow standard detail #7020R. Remember when existing bituminous street pavement is in place, the contractor needs to remove existing pavement a minimum of 6" and pour the new concrete curb. Place bituminous patch to match existing pavement section.
4. If owner/contractor is using the right-of-way and damage occurs to the sidewalk, curbing or turf the owner/contractor is responsible for replacement. A certificate of occupancy will not be issued until repairs have been made.
5. Portable toilets are not allowed in the right-of-way.
6. Dumpsters are allowed on the street and in the right-of-way when an obstruction permit is obtained. If owner/contractor does not want to obtain a permit please place the dumpster on private property.
7. Vacant lots adjacent to construction property are not intended for construction purposes. If permission is granted from the owner, a separate security deposit for each disturbed lot will be required. If the area disturbed is not corrected to city standards the security deposit will be used to restore the area.
8. If the construction site is not stabilized prior to winter, the permit holder is responsible to provide temporary stabilization for the winter months. Erosion and Sediment control still needs to be installed and maintained during winter months.
9. Please review the Saint Peter Turf Establishment requirements for occupancy. Please note that a timeline has been established for stabilization. If the permit holder is the homeowner and they have not seen this packet, please inform them of the areas that are sod and the areas that can be seeded according to the Standard Detail #3022 or #3023.
10. Weekly inspections will be conducted by the stormwater utility inspector. It is the contractor's responsibility to make sure all erosion and sediment controls are in place and in compliance. The contractor should be inspecting their own job site as indicated in the original Stormwater Pollution Prevention Plan for that subdivision. If you do not have a copy of the SWPPP you can get one from the subdivision developer. Inspections are completed weekly and after every ½" of rainfall.
11. Bonds and Surety:
 - a. Homeowners can sign a waiver (not contractors who are building on property they own) but they are assuming responsibility for someone else.
 - b. Contractors who own property still need to put down a deposit because they can sell the property BEFORE the project is finished and then the City cannot assess any cost so the agreement is invalid.



STORMWATER UTILITY CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS

NOTE: EROSION CONTROL MEASURES ARE REQUIRED. THIS SHALL BE INSTALLED PRIOR TO EXCAVATING OR A STOP WORK ORDER WILL BE ISSUED. IF AN ENTRANCE TO THE LOT IS DESIRED, A ROCK ENTRANCE WILL BE REQUIRED.

All construction site activity in the City of St. Peter shall include the necessary precautions to control and mitigate the erosion of soil, sediment, silt, gravel, or other material onto adjacent roadways and properties. The Property Owner and/or Permit Holder for the construction site shall be responsible for complying with the requirements set forth below, including activities by subcontractors, suppliers, or others involved with the construction project. The list represents minimum requirements for all sites – larger projects or projects located on erosion prone or erosion sensitive sites may be subject to additional measures at the discretion of the Building Department or the Stormwater Utility.

1. Construction sites will be required to install erosion control measures. For more severe erosion problems, additional measures shall be taken, such as installing hay bales, constructing berms, or sediment traps, or taking other actions, which reduce or eliminate erosion from the site. Should an access onto the site be desired, a rock entrance (Standard Detail Plate No: 3005) will be required. The silt fence shall be dug in or installed (Standard Detail Plate No: 3003 or 3004) to protect the adjacent properties and be maintained until all lawn or landscaping is installed.
2. The Minnesota Pollution Control Agency (MPCA) has determined that soil surfaces or spoil banks that remain exposed without a protective cover will have 14 days to provide temporary or permanent stabilization.
3. The MPCA has determined that all areas disturbed by excavation and backfilling operations which exposed soil must be stabilized no later than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.
4. All materials, tracked or otherwise deposited on roadways adjacent to a construction site or on roadways being used as haul routes for material being delivered to or removed from a site, shall be cleaned daily, unless more frequent cleaning is required by the Stormwater Utility.
5. All material, which is deposited on adjacent roadways as a result of a precipitation event, shall be removed, including the cleaning of storm sewer or overland drainage ditches, within 24 hours following the event.
6. Should the Property Owner/Permit Holder fail to clean the material from the roadway as needed/directed or fail to install the appropriate erosion control measures, the following steps may be taken:
 - a. A Stop Work Warning will be issued on the project and a 24-hour period will be allowed for repair. If the problem still exists and is not corrected in the timeframe offered, a Stop Work Order will be issued until the necessary cleaning and/or installation of erosion control measures is complete.
 - b. The City will contract for the necessary cleaning and installation of erosion control measures and bill the Property Owner/Permit Holder for said work. In the case of a Building Permit being issued, a Certificate of Occupancy will not be issued until such time as payment(s) for the work have been made.
 - c. Issuance of additional permits to the Permit Holder for other construction projects within the City of St. Peter will be withheld until such time as corrective action is completed.

I, _____, the Property Owner/Permit Holder for the construction activity taking
Name

place at _____ in the City of St. Peter declares that I have read,
Address

Understood, and will abide by the conditions listed above regarding Erosion Control on this project.

Signed

Date

Telephone Number

City of St. Peter Electric Utility Service Request

All information below will need to be filled in to receive a secondary service.

Temporary service required Yes -- No Approximate Date to connect ____ / ____ / ____
Circle One

Size & Voltage of Temporary service _____ AMPS _____ / _____ VOLTAGE

Proposed Location (Site Map Required)

Temporary service is the cost of the Contractor/Owner,

A copy of the **Contractor Request for Electrical Inspection** will be supplied by the Electrical Contractor before any Temporary Service or Permanent Service will be connected.

Panel service size in building _____ AMPS

Service Voltage requesting _____ / _____ VOLTAGE

Service phases Single phase ---- Three phase
Circle One

Who will be installing the secondary service? _____

Approximate date when permanent service will be needed ____ / ____ / ____

Proposed Electric Utility's secondary connection point (Site Map Required)

The final location of secondary electrical connection points will be made by the Electric Utility.

SAINT PETER ELECTRIC UTILITY
Electric Services Requirements

Form Date: 2/28/02

Residential Installation:

Customer is responsible to install or pay for the installation of the secondary service. The secondary service will be installed from the transformer or a secondary pedestal, identified by the Electric Utility, to the meter socket located on the house. The Electric Utility will make the final connection at the transformer or pedestal for the electric service. This connection will only be made after the electrical inspector has made his inspection and the Electric Utility has a copy of the wiring affidavit (blue slip copy). All information will be completed correctly on the wiring affidavit (address of the service and owner's name). The customer will have to call one (1) full working day before connection is made. All meter sockets will be installed outside.

Commercial and Industrial Installations:

Commercial or industrial meter sockets will be a 200 amp with by-pass, unless the customer warrants a larger service. The Electric Utility will determine where the current transformers and the meter socket would be located. The cost of the current transformer meter sockets will be billed to the customer and supplied by the Electric Utility. The installation of the current transformers will be completed by the Electric Utility. The customer will provide the connecting lugs in the transformer and the pipe from the transformer to the meter socket location. All current transformers and meter sockets will be installed outside. The commercial or industrial services may require the Electric utility to purchase a pad-mount transformer for the service and the lead time may be up to or longer than 20 weeks.

Schedule for Installation:

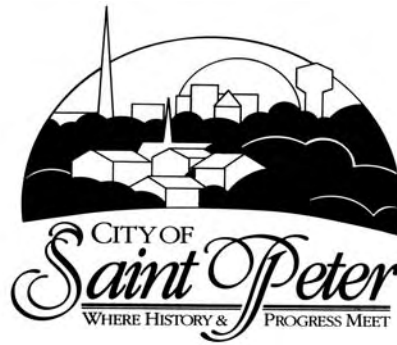
Temporary Service: A wiring affidavit must be provided to the Electric Utility two (2) full working days before the customer's service will be connected. All temporary service will be dug-in/installed by the electrician.

Permanent Service: A wiring affidavit must be provided to the Electric Utility three (3) full working days before the customer desires to have the service installed by the Electric Utility at the customer's expense. If the service is to be installed by the Electric Utility before any locate can be sent in the meter socket will have been installed. Reminder locates take forty-eight (48) hours before you can dig.

Frost Conditions:

From November 15th to March 15th, there will be an extra charge for equipment wear of \$20.00 per foot to install service lines. If the service is installed above ground during frost periods, the unsalvageable material and labor cost will be the customer's responsibility to pay. This charge will be added to the normal material and labor costs if the utility installs the electric service.

City of Saint Peter
405 West Saint Julien Street
Saint Peter, Minnesota 56082-1874
507-934-0670



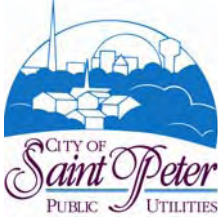
Saint Peter Turf Establishment

Saint Peter Utility Standard Detail # 3022 or #3023

In order to ensure that turf is installed and established on building sites in a timely manner to prevent erosion, the City of Saint Peter has required the following procedures for the establishment of turf:

1. Interior lots shall be sodded from the roadside edge or the unpaved right-of-way to the back corners of the furthest-most building.
2. Corner lots with two sides of the lot adjacent to the street; in the "front yard", sod shall be installed from the roadside edge or the unpaved right-of-way in the front of the building to the back corners of the furthest-most building. Sod shall also be installed on the street side-yard within the boulevard commencing at the back corner of the further-most building to the rear lot line.
3. All areas that required silt fences during construction and along any portions of the lot that adjoin drainage easements shall be sodded.
4. Any remaining disturbed areas not mentioned above shall be seeded or sodded.
5. Silt fences must be maintained throughout the construction period until new vegetation is established.
6. Turf slopes in excess of 3:1 are prohibited.
7. The builder/homeowner is required to install sod in the minimum required areas within sixty (60) days after temporary occupancy. It is the responsibility of the owner to establish turf in the areas where sod is not required. Establishment means a thirty (30) day growth period after sod has been installed.
8. If occupancy has been granted between October 31st and April 15th the homeowner will then be given 60 days following April 15th to install sod in the minimum required areas. It is the responsibility of the owner to establish turf in the areas where sod is not required. Establishment means a thirty (30) day growth period after sod has been installed.
9. The City will collect a surety for turf establishment before any building permit is issued. The surety will be returned when the turf requirements have been approved. If these requirements are not met, the surety will be used to either complete the grading of the lot consistent with the grading plan and/or complete the installation and establishment of the sod and seed.
10. A 6" minimum separation from sod/landscaping to the bottom of siding is required.

Questions and/or comments may be directed to Stormwater Utility at 934-0670.



White Marking Your Dig Site

It Is Not An Option, It is Required

In 2004 and 2005, the laws and rules that govern the one-call system were changed. One of the changes you should be aware of now, firmly requires that the excavator white mark (paint and/or flags) the area of excavation, except where it can be shown to be not practical.

The Minnesota Office of Pipeline Safety, the state agency that enforces the laws and rules of the one-call system, is increasing enforcement of this requirement, and others throughout the one-call system. An excerpt of the current 216 D statute is below, with the white marking area highlighted.

Why should you white mark your dig site?

1. It is required by law. Infractions can be fined up to \$1,000 per violation per day.
2. White markings reduce any confusion about where you will actually be digging. It helps make sure utility locators mark what you need to avoid hitting a utility line.
3. Utility locators can spend more time getting you a better locate, instead of spending time marking areas you don't need marked.
4. White marking is relatively inexpensive. White paint and flags are fairly cheap, compared with the cost to repair damage to a utility, or other possible expenses and liabilities if you hit a utility line. White paint and flags are available from several places right here in St. Peter.

Statute

216D.05 Precautions to avoid damage.

An excavator shall:

- (1) plan the excavation to avoid damage to and minimize interference with underground facilities in and near the construction area;
- (2) **use white markings for proposed excavation except where it can be shown that it is not practicable**

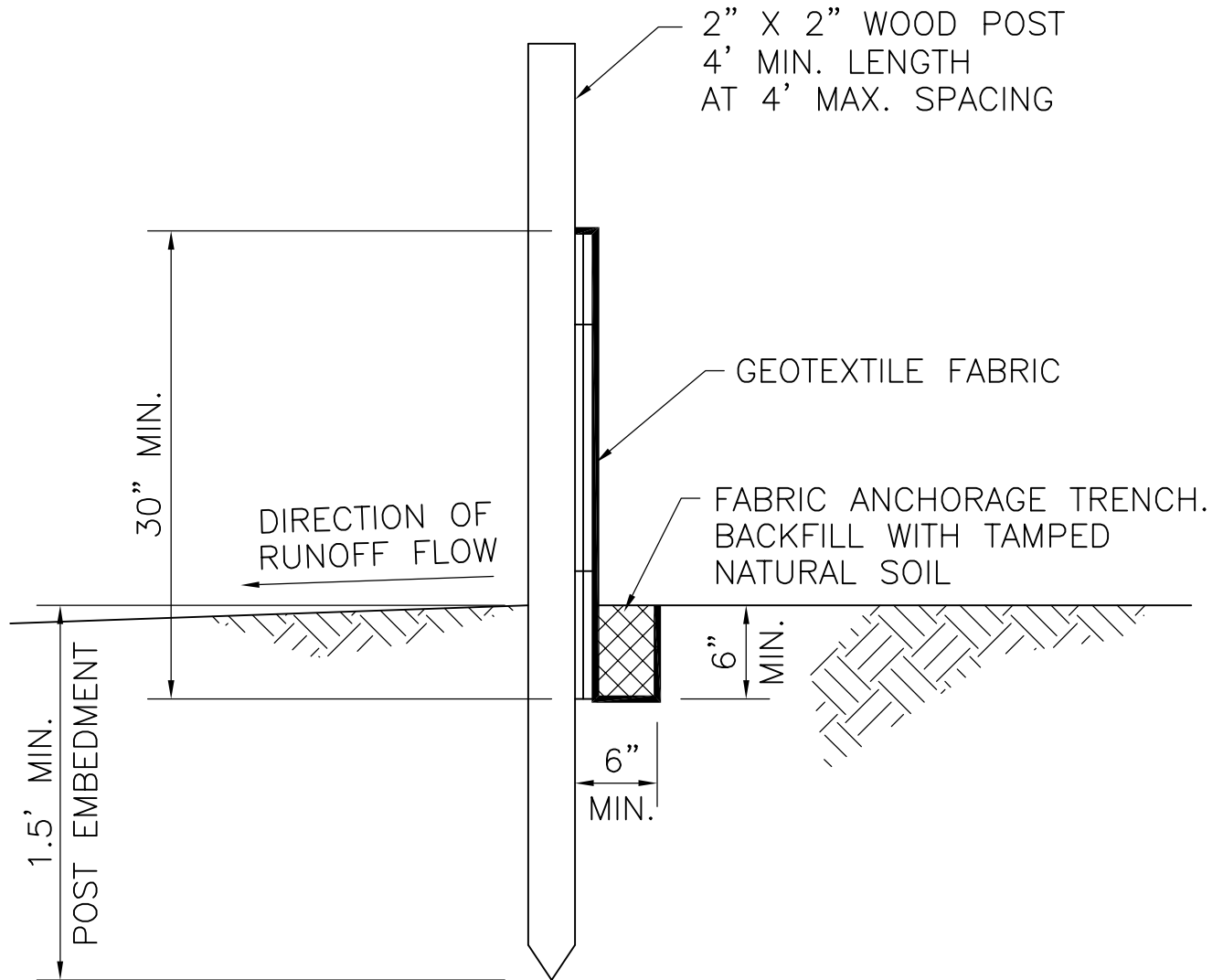
White Paint (designed for upside-down marking) is locally available at:

- Fastenal Company, 106 West Grace Street
- Ace Hardware 201 South Minnesota Avenue

Questions?

If you have any questions about this requirement, or any other part of the Gopher State One-Call system, please contact one of the people listed here:

1. Brad Ardner, Minnesota Office Pipeline Safety, Mankato Office, (507) 389-7372
2. Dan Munthe, Minnesota Office Pipeline Safety, St. Paul Office, (651) 296-7364
3. Jon Eisele, Gopher State One-Call, (651) 681-7303
4. Amy Kamm, City of St. Peter, (507) 934-0670



SILT FENCE – PRE ASSEMBLED

NOT TO SCALE
PLATE 3004

SILT FENCE - PRE ASSEMBLED

STANDARD DETAIL
PLATE NO:
3004

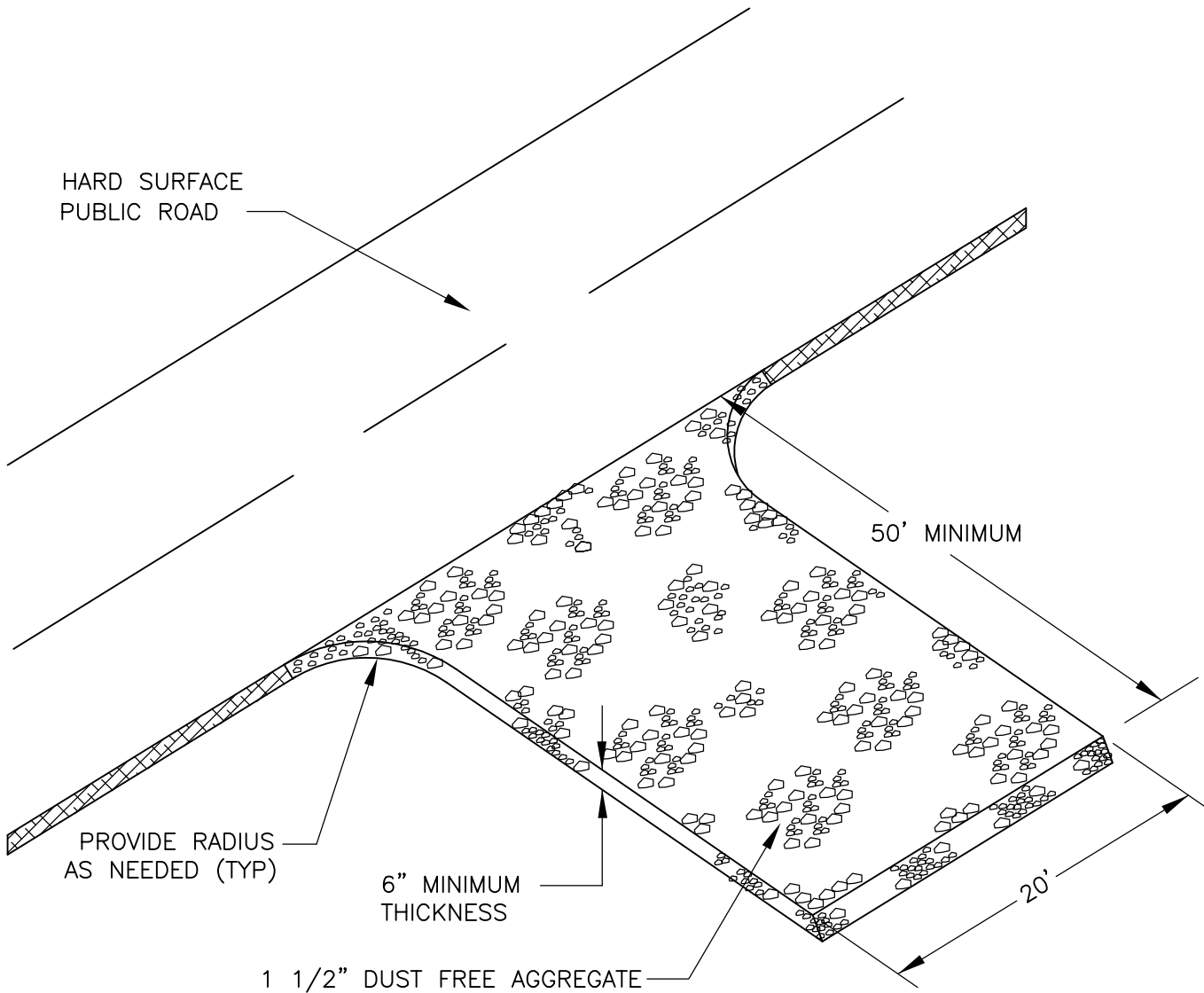
APPROVED: ADOPTED BY CITY COUNCIL ON JANUARY 12, 2004

REVISED:

REMARKS:

SAINT PETER UTILITY STANDARD DETAIL





RESIDENTIAL EROSION CONTROL
AT CONSTRUCTION SITE ENTRANCE

NOT TO SCALE

PLATE 3005R

**RESIDENTIAL EROSION CONTROL
AT CONSTRUCTION SITE ENTRANCE**

STANDARD DETAIL
PLATE NO:
3005R

APPROVED: ADOPTED BY CITY COUNCIL ON JANUARY 12, 2004

REVISED: REVISION ADOPTED BY CITY COUNCIL ON FEBRUARY 26, 2007

REMARKS:

SAINT PETER UTILITY STANDARD DETAIL



CITY OF
Saint Peter
NICOLLET COUNTY, MINNESOTA
WHERE HISTORY & PROGRESS MEET

STREET

CURB

BLVD

FRONT PL / STREET ROW

12'

DWY

GARAGE

HOUSE

BACK CORNERS OF HOUSE

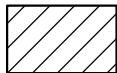
LOT 2

DRAINAGE & UTILITY EASEMENT PER PLAT

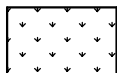
LOT 1

LOT 3

SOD SHALL BE THE WIDTH OF THE EASEMENT.



= MIN. MANDATORY SODDED AREA



= BACKYARD MAY BE SEEDED

TURF ESTABLISHMENT

STANDARD DETAIL
PLATE NO:
3022

APPROVED: ADOPTED BY CITY COUNCIL ON APRIL 10, 2006

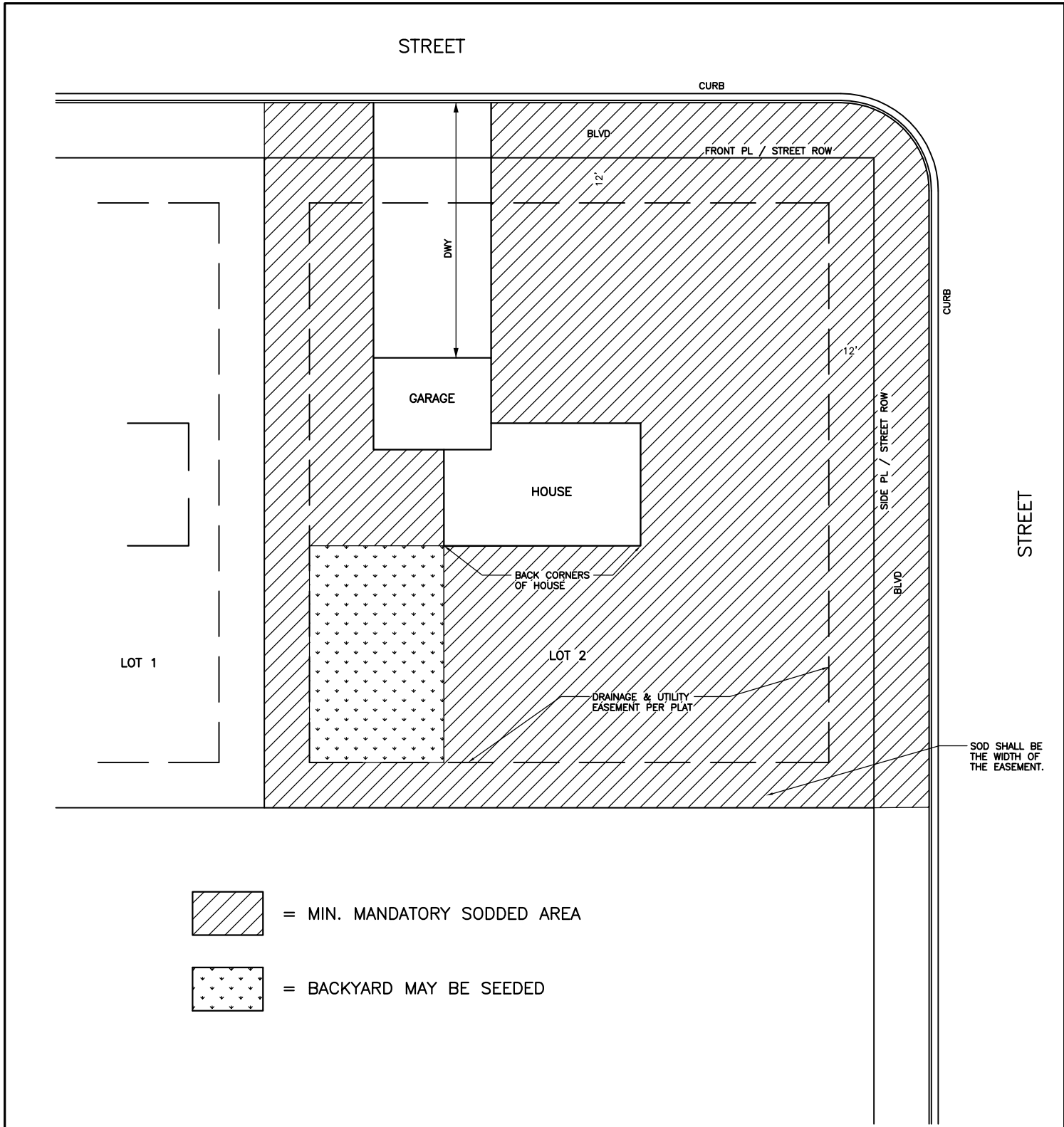
REVISED:

REMARKS:

SAINT PETER UTILITY STANDARD DETAIL



CITY OF
Saint Peter
NICOLLET COUNTY, MINNESOTA
WHERE HISTORY & PROGRESS MEET



 = MIN. MANDATORY SODDED AREA

 = BACKYARD MAY BE SEEDED

TURF ESTABLISHMENT CORNER LOT

STANDARD DETAIL
PLATE NO:
3023

APPROVED: ADOPTED BY CITY COUNCIL ON APRIL 10, 2006

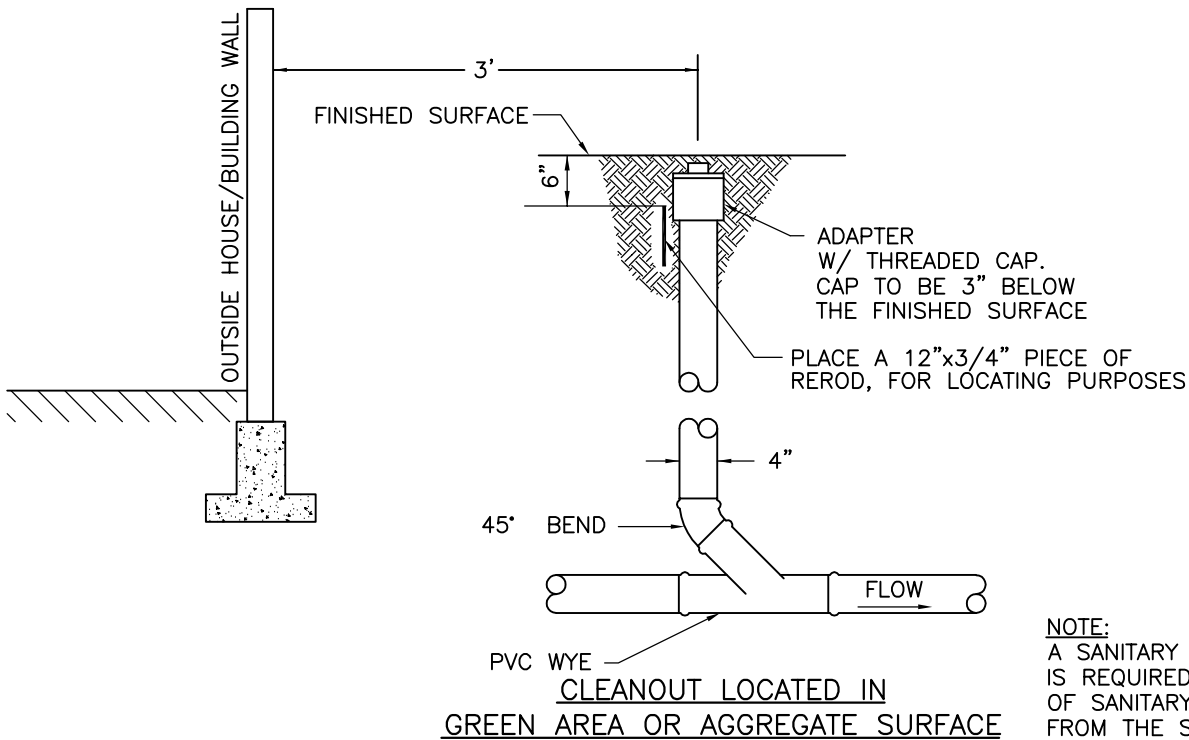
REVISED:

REMARKS:

SAINT PETER UTILITY STANDARD DETAIL

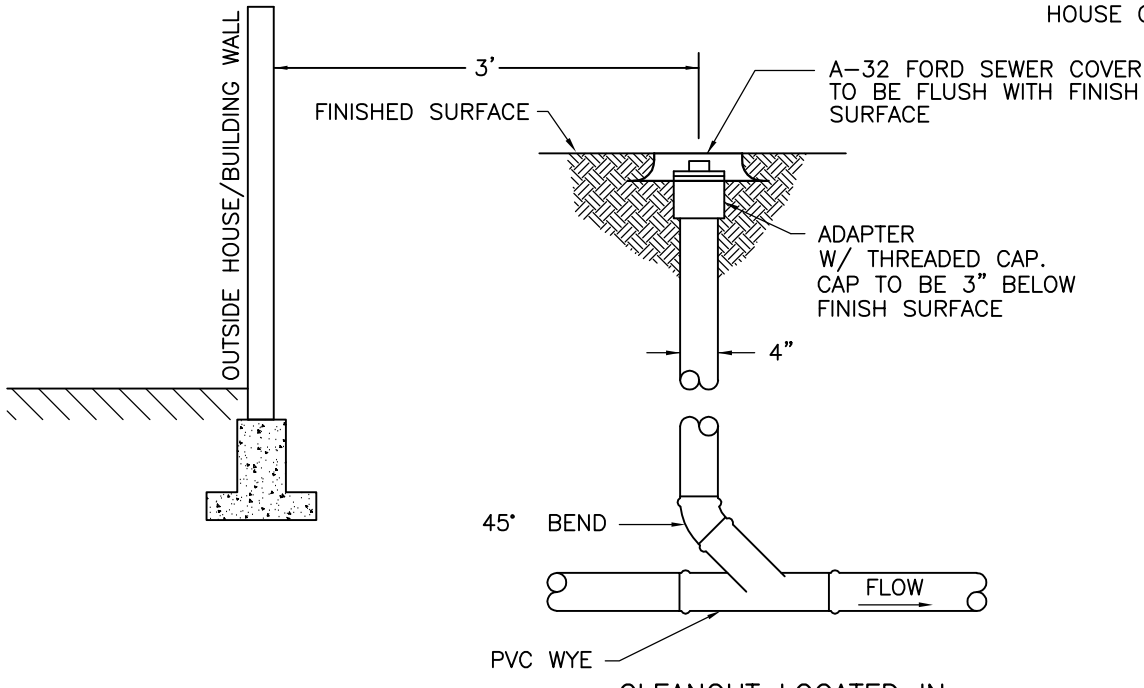


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NOTE:
A SANITARY SEWER CLEANOUT
IS REQUIRED FOR EVERY 100LF
OF SANITARY SEWER SERVICE PIPE
FROM THE SEWER MAIN TO THE
HOUSE OR BUILDING WALL.

CLEANOUT LOCATED IN
GREEN AREA OR AGGREGATE SURFACE



CLEANOUT LOCATED IN
BITUMINOUS OR CONCRETE SURFACE
SANITARY SEWER CLEANOUT DETAIL

NOT TO SCALE
PLATE 5004

SANITARY SEWER CLEANOUT

STANDARD DETAIL
PLATE NO:
5004

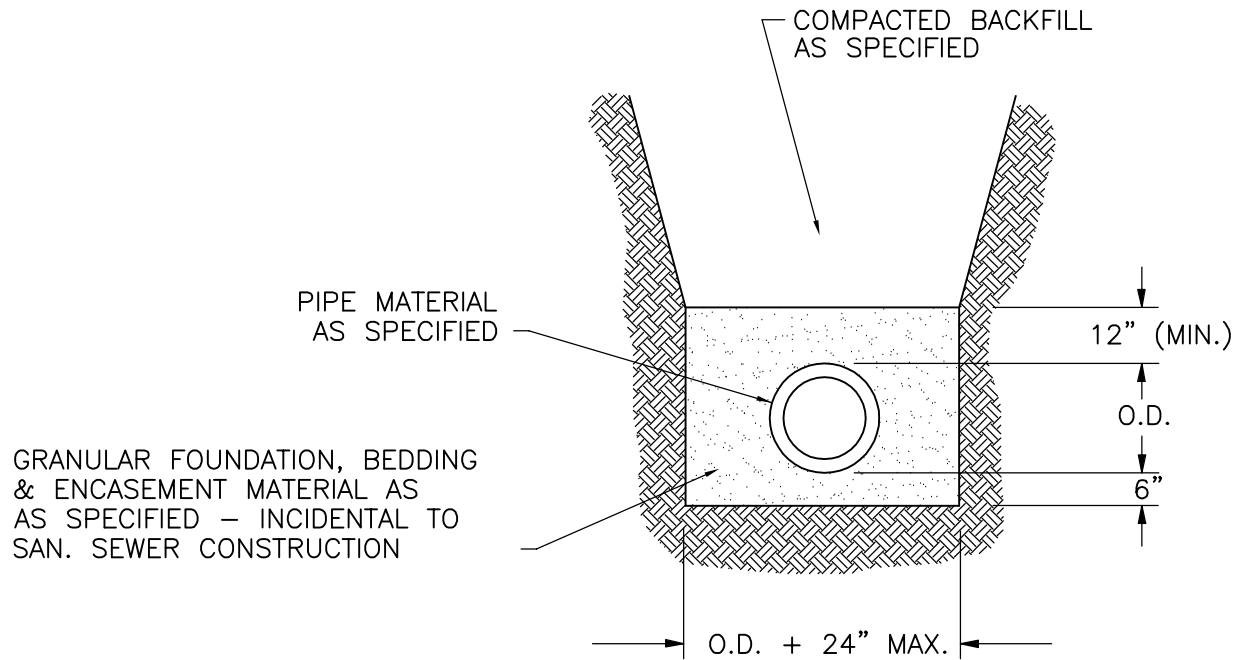
APPROVED: ADOPTED BY CITY COUNCIL ON JANUARY 12, 2004

REVISED: REVISION ADOPTED BY CITY COUNCIL ON FEBRUARY 26, 2007

REMARKS:

SAINT PETER UTILITY STANDARD DETAIL





**PVC SANITARY SEWER
TRENCH DETAIL**

NOT TO SCALE
PLATE 5005

**PVC SANITARY SEWER
TRENCH DETAIL**

STANDARD DETAIL
PLATE NO:
5005

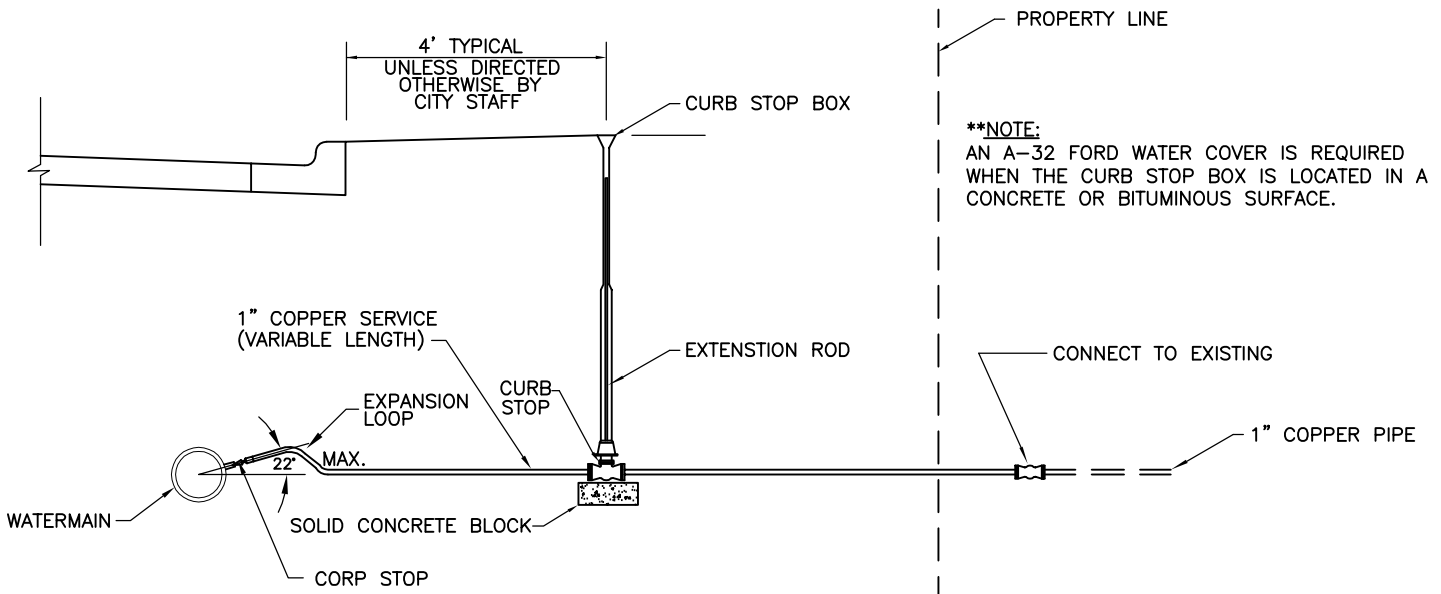
APPROVED: ADOPTED BY CITY COUNCIL ON JANUARY 12, 2004

REVISED:

REMARKS:

SAINT PETER UTILITY STANDARD DETAIL



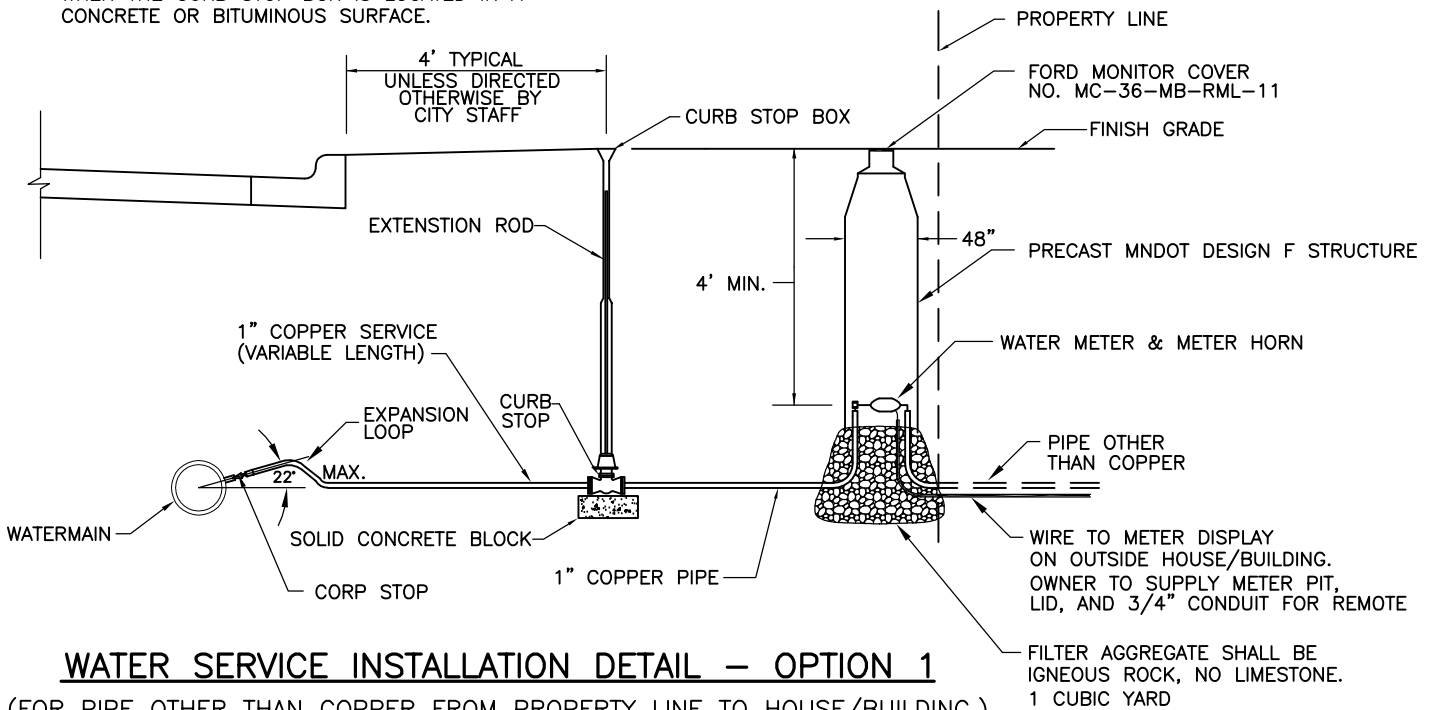


SAINT PETER WATER SERVICE INSTALLATION DETAIL – RECOMMENDED

(FOR COPPER PIPE FROM PROPERTY LINE TO METER IN UTILITY ROOM OF HOUSE/BUILDING.)

****NOTE:**

AN A-32 FORD WATER COVER IS REQUIRED WHEN THE CURB STOP BOX IS LOCATED IN A CONCRETE OR BITUMINOUS SURFACE.



WATER SERVICE INSTALLATION DETAIL – OPTION 1

(FOR PIPE OTHER THAN COPPER FROM PROPERTY LINE TO HOUSE/BUILDING.)

PLATE 6003

WATER SERVICE INSTALLATION (FROM PROPERTY LINE TO HOUSE)

STANDARD DETAIL
PLATE NO:
6003

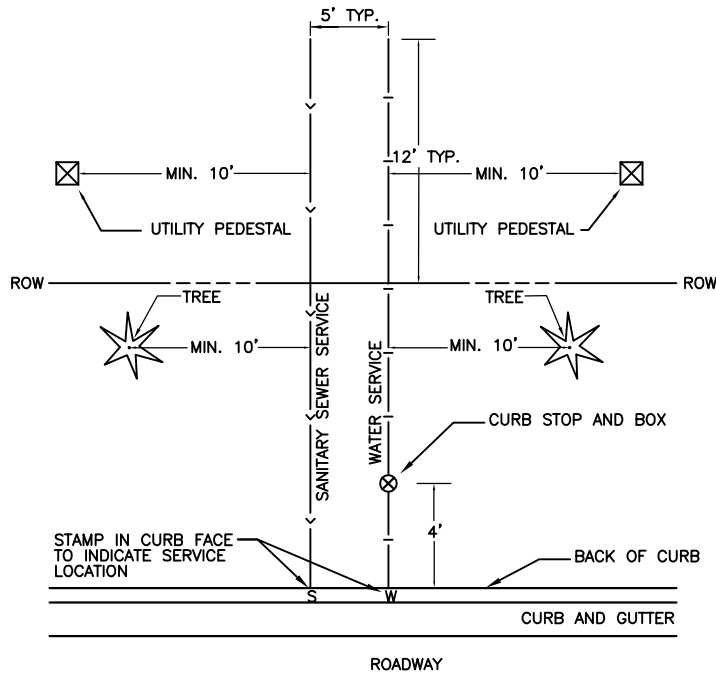
APPROVED: ADOPTED BY CITY COUNCIL ON DECEMBER 12, 2005

REVISED: REVISION ADOPTED BY CITY COUNCIL ON APRIL 10, 2006

REMARKS:

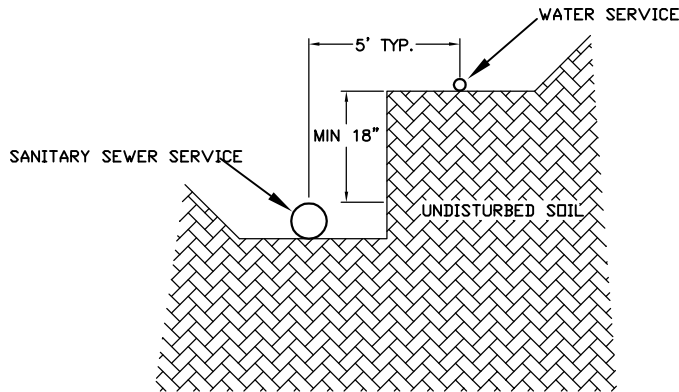
SAINT PETER UTILITY STANDARD DETAIL





NOTE:
A MINIMUM OF 10 FEET OF HORIZONTAL CLEARANCE IS REQUIRED FROM UNDERGROUND SERVICES TO PERMANENT ABOVE GROUND FIXTURES SUCH AS TREES, UTILITY PEDESTALS, ETC.

PLAN VIEW



NOTE:
IF SANITARY SERVICE IS AT THE SAME ELEVATION AS THE WATER SERVICE, A HORIZONTAL SEPARATION OF 10 FEET SHALL BE MAINTAINED.

PROFILE VIEW

WATER & SANITARY SEWER SERVICE SEPARATION DETAIL

NOT TO SCALE
PLATE 6005

WATER & SANITARY SEWER SERVICE SEPARATION DETAIL

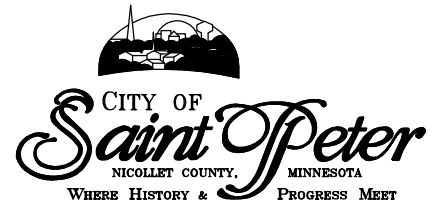
STANDARD DETAIL
PLATE NO:
6005

APPROVED: ADOPTED BY CITY COUNCIL ON FEBRUARY 26, 2007

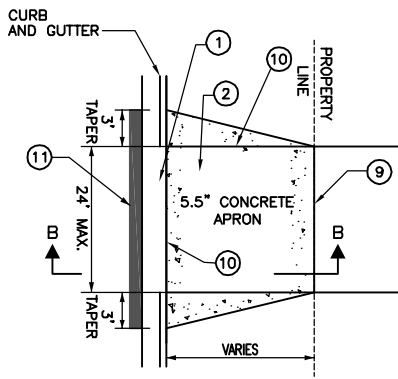
REVISED:

REMARKS:

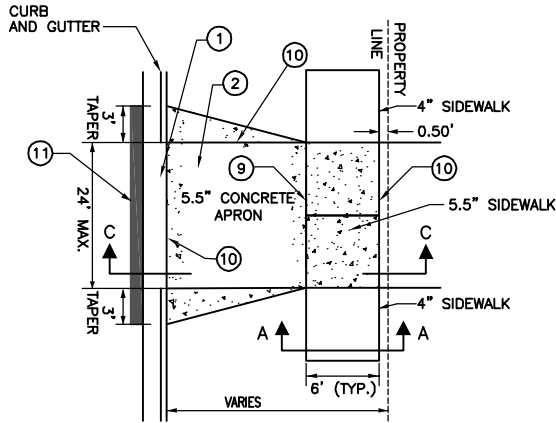
SAINT PETER UTILITY STANDARD DETAIL



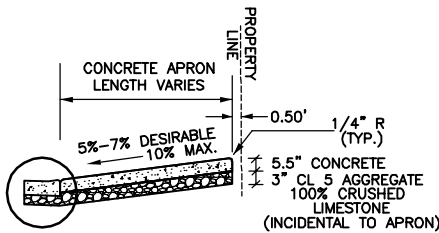
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NO SIDEWALK

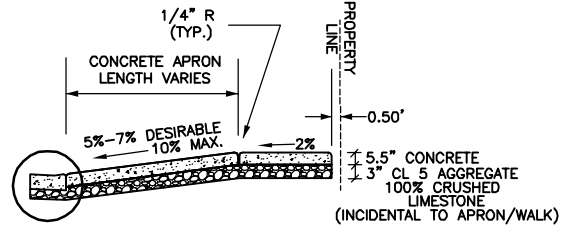


WITH SIDEWALK



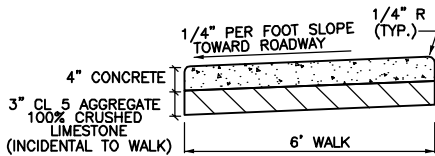
SEE INSET A

SECTION B-B THROUGH APRON

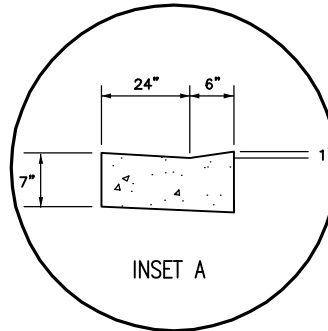


SEE INSET A

SECTION C-C THROUGH APRON



SECTION A-A THROUGH WALK



INSET A

- NOTE:
- SEE "PEDESTRIAN CURB RAMP" DETAIL AND PLANS FOR PLACEMENT OF PEDESTRIAN CURB RAMP.
 - SLOPE OF DRIVEWAY TO PROPERTY LINE MAY VARY IF NO SIDEWALK IS REQUIRED.
 - MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION SHALL APPLY. CONCRETE MIX 3A32 WILL BE REQUIRED.
 - SIDEWALKS: REFERENCE SECTION 2521 CURB & GUTTER: REFERENCE SECTION 2531 DRIVEWAYS: REFERENCE SECTION 2301
 - CONTRACTOR REFERENCE SEE PLANS FOR PLACEMENT OF WALK AND DIMENSIONS FOR CONSTRUCTION OF DRIVEWAYS.
 - 1/2" PRE FORMED JOINT FILLER MATERIAL--AASHTO M213 REQUIRED AT THE INTERSECTION OF ALL MAINLINE WALK WITH STATIONARY OBJECTS. (I.E., BUILDING FOUNDATION, EXISTING WALK, ETC.) (NOT REQUIRED WHEN CURB AND GUTTER OR WALK ARE ADJACENT TO BITUMINOUS PAVEMENT.)
 - CONCRETE DRIVEWAY PAVEMENT IS NOT TO BE POURED MONOLITHICALLY WITH CURB AND GUTTER.
 - DRIVEWAY OPENINGS SHALL BE A MAXIMUM OF 24' FROM BOTTOM OF 3' TAPER TO BOTTOM OF 3' TAPER.
 - 1/2" EXPANSION JOINT.
 - CONTRACTION JOINT (FORMED OR SAWED)

11. SAW CUT AND REMOVE EXISTING BITUMINOUS PAVEMENT 6" MINIMUM FROM LIP OF GUTTER. PLACE BITUMINOUS PATCH TO MATCH EXISTING PAVEMENT SECTION.

**RESIDENTIAL
CONCRETE WALK AND APRON**

NOT TO SCALE
PLATE 7020R

**RESIDENTIAL
CONCRETE WALK AND APRON**

STANDARD DETAIL
PLATE NO:
7020R

APPROVED: ADOPTED BY CITY COUNCIL ON JANUARY 12, 2004

REVISED: REVISION ADOPTED BY CITY COUNCIL ON MARCH 9, 2009

REMARKS:

SAINT PETER UTILITY STANDARD DETAIL



Natural gas service agreement

New residential development



Please fill out completely and sign to ensure prompt service.

NEW SERVICE INFORMATION

Street address for new service _____

City / State / Zip _____

Is this address a county road or state highway? Yes No

Legal description: Lot _____ Block _____

Addition _____

Nearest cross street _____

CONSTRUCTION STATUS AT TIME OF APPLICATION

Basement/foundation in and backfilled? Yes No

Framed? Yes No

Graded to within 6 in. of final grade? Yes No

If no, date to be completed _____

Requested install date _____ Closing date _____

Estimated square footage _____

Dwelling type: Townhouse Single family Other _____

DESIRED METER LOCATION

Facing the building from the street, where should the meter be installed?

- Opposite garage, _____ feet back from front corner
 Other location _____

Please be specific or attach survey with meter location clearly marked.

Will meter location be subject to vehicle damage? Yes No

Check here if you would like all utility service lines installed in a single trench (joint trench). This service may not be available in all areas.

PARTY RESPONSIBLE FOR APPLICABLE CHARGES

Company name _____

Contact person _____

Phone () _____ Pager () _____

Fax () _____ Cell () _____

Mailing address _____

City / State / Zip _____

GAS LOAD INFORMATION

Please indicate the **number** of appliances that require natural gas:

_____ Furnaces or boilers (Total Btus _____)

_____ Water heaters _____ Dryers

_____ Fireplaces _____ Pool heaters

_____ Ranges, cooktops or ovens _____ Garage heaters

Do you have a heat pump? _____

What gas pressure is required for your home?

2 psi (copper pipe) 7 in. w.c. (black pipe)

I have read and understand all the terms and conditions as referenced on page two of this agreement, and agree to reimburse CenterPoint Energy for all applicable construction charges pursuant to rates and tariffs on file with the Minnesota Public Utilities Commission, including extraordinary charges such as directional boring if required. There is a basic customer charge of \$6.50 per month, per meter. Out-of-season charges apply November 1 through March 31 (see page 2 for details). **Note: \$4.00 per foot will be charged for footage over 75 feet, or for the entire service line length if a furnace or boiler is not the primary source of heat, or if a heat pump is used in conjunction with a gas furnace. CenterPoint Energy is not responsible for restoration of property after gas installation.**

Signature of applicant _____

Date _____

CenterPoint Energy
700 West Linden Avenue, PO Box 1165
Minneapolis, MN 55440-1165

Builders Hotline: 612-342-5123 or 1-800-342-4166
CenterPointEnergy.com

Fax: 612-321-5573 or 1-800-365-9188

For CenterPoint Energy use only

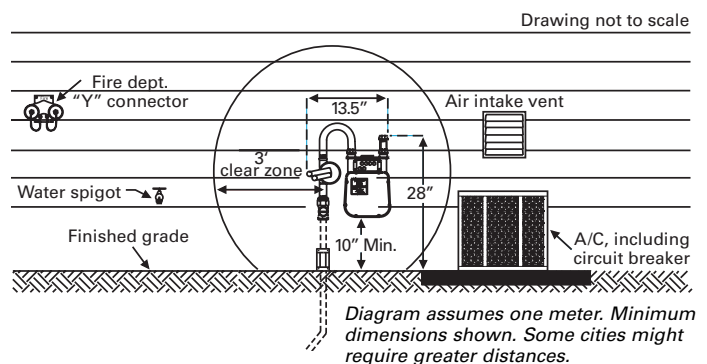
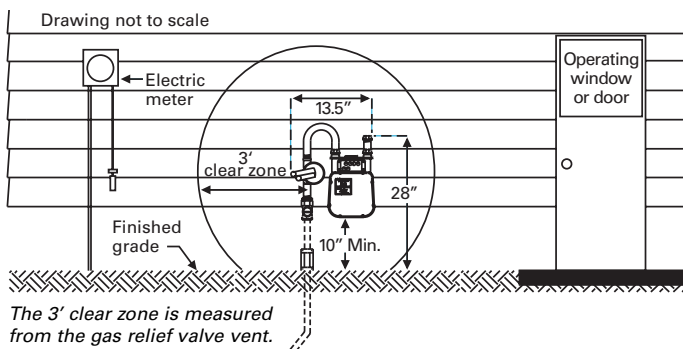
Inst#	Premise#	MI#	SVC#	
FuncLoc	BP#	Sz/Typ/CI	Main#	Main Loc
Map#	LS/SS	Sec/Twp/Rng	Cross street	

To avoid construction delays, plan for utilities during the design stage and use the following guidelines:

NATURAL GAS METER REQUIREMENTS (May vary by city)

- Maintaining the 3' clear zone is required.
 - 3' from fresh air intake or any opening to building
 - 3' from operating doors or windows
 - 3' from water spigots
 - 3' from any ignition source
- Avoid locations directly below roof valleys, water downspouts, decks, stairs or partial overhangs to help prevent damage from falling ice.
- Banked meters are preferable for townhouse building.
- Regulator and relief valve must be located where gas can escape freely away from any opening into the building.
- You must have all exterior walls framed before meter can be installed
- **Should there be a request to move the meter after the initial installation, or the customer does not adhere to the minimum clearance requirements detailed below, the customer will be responsible for all cost to relocate the meter.**
- Meter sets should be located away from potential damage from vehicles. Guard posts must be installed if meters may be exposed to vehicle damage. **Costs for installation:** 4 posts – \$880; 3 posts – \$820; 2 posts – \$635; 1 post – \$320.

Minimum clearances for gas meter installation



NATURAL GAS SERVICE LINE REQUIREMENTS

- Minimum of 3' from property line (unless easement exists)
- 6' from building structure, if line will be parallel to it
- Approximately 8' from buried fuel tanks (varies by municipality)
- 10' from wells and septic tanks
- Installed in a straight line perpendicular to main when possible
- Conduit crossings must be installed prior to service line installation (if applicable)

INSTALLATION SITE-READY CHECKLIST

- Site must be within 6" of final grade
- Basement/foundation in and backfilled
- Clear 8' wide path from the gas main to service entrance
- All exterior walls must be framed before meter can be installed
- Request 7" wc or 2 psi delivery pressure
- Clearly mark/stake the location of all private underground facilities* located on your property such as:
 - Sewer lines
 - Invisible fences
 - Electric lines
 - Water wells
 - Septic systems
 - Underground sprinkler systems
 - Sump pump extensions
 - Drain fields
 - Buried fuel lines

OUT-OF-SEASON CONSTRUCTION CHARGES APPLY for installations from November 1 through March 31.

Frost burner	\$170 per frost burner per day Two burners typically needed for two days. Additional usage may be needed per site conditions.
Mains	\$2 per foot
Residential services	\$4 per foot
Commercial services	\$8 per foot

TO AVOID OUT-OF-SEASON CHARGES:

- Submit application by October 15.
- Meet site-ready requirements by November 1, including having paid any necessary main deposits.

Note: After November 1, installations requiring a road crossing may be unavailable due to municipality restrictions or weather conditions.

FOR MORE INFORMATION:

Builders Hotline: 612-342-5123 or 1-800-342-4166
CenterPointEnergy.com

Fax: 612-321-5573 or 1-800-365-9188

* CenterPoint Energy and our representatives are not responsible for damage to these items if they are not clearly marked at the time of installation.