

**CITY OF KEARNEY
NEBRASKA**

**STANDARD SPECIFICATIONS FOR
PRIVATE CONSTRUCTION
PERFORMED ON PUBLIC
RIGHT-OF-WAY**

12/08/15



The intent of these specifications is to define the minimum requirements for construction work performed in City Right-of-way for the benefit of private property. It is not the intent nor shall these specifications supersede any local ordinances nor any state or federal regulations. Any deviations from these specifications require prior approval from the City Manager or his designated representatives.

Storm Sewers – All storm sewer pipe constructed on public Right-Of Way, under the public roadway, shall be constructed with Reinforced Concrete Pipe (RCP). Ductile Iron Pipe may be allowed in situations where RCP is not practical and must be approved by the City Engineer prior to it's substitution for RCP. The contractor may elect to install Schedule 40 or thicker walled plastic pipe in areas of the Right-Of Way where the installed storm sewer pipe will not be under public roadways. In this case the plastic pipe must be capped with concrete having a minimum thickness of 6". All connections to public storm sewer must be made at an inlet or junction manhole. If an inlet or junction manhole is not available one meeting the City of Kearney Standards for municipal construction must be constructed.

Curbs and Gutter - All roadway curb and or gutter sections on public Right-of-ways shall be poured independently of the driveway and shall be constructed of 47B Concrete with at least 6 sack of cement per cubic yard of concrete.

Driveways – Driveways and approaches constructed on public Right-of-ways shall have a minimum thickness of 6" and shall be constructed with 6 sack concrete. All roadway curb and or gutter sections on public Right-of-ways shall be poured independently of the driveway. Expansion will not be allowed abutting the roadway but shall be installed at the property line. Said expansion shall be a minimum of 1" thick and shall be of adequate thickness to protect the roadway and any abutting structures from thermal expansion resulting from the newly constructed driveway. Driveway approach shall not have a slope exceeding ¼" per foot in the area where the driveway is utilized as a public walkway. Placement of Driveways shall be in accordance with City of Kearney - Standard Plate 201.

Sidewalks – All sidewalks shall be constructed of concrete having a minimum thickness of 4". Sidewalks set back from the roadway and cul-de-sacs shall be at least 4 foot in width. Curb side sidewalk shall be at least 5 foot in width. Cross slopes shall not exceed ¼" per foot. Sidewalks shall be jointed at intervals approximating the design width of the sidewalk and as square as possible. A ½" expansion joint shall be placed the full thickness of the concrete at a maximum of 50 foot intervals measured longitudinally with the sidewalks.

Handicap Ramps – Handicapped ramps shall be constructed at all intersections of public roadways owned by the City Of Kearney. Handicapped ramps shall meet the requirements of current ADA standards. Truncated domes panels will be provided by the City of Kearney for all ramps at the intersection of two public roadways owned by the City of Kearney, but not for private drives or private roadways. Panels will be a one piece colored plastic panel. All panels shall be set and finished during the concrete

pour/finishing process. Panels shall be installed by the contractor per the manufactures recommendations. Exposed areas of the panels shall be cleaned of all concrete prior to the concrete hardening. Ramps shall not be installed on frozen subgrade or in otherwise inclement weather. Truncated dome panels will be colored as follows: yellow in school zones and at school crossings, black in all other areas unless approved otherwise by the City Engineer.

Pavement patching – When removal and replacement of a public roadway is required the building permit holder must obtain a Street Cut Permit and contact the Superintendent of Streets prior to proceeding with any work in the roadway including removals. The contractor is responsible to provide and maintain proper barricading and traffic control. Pavement will be removed and replaced in full panel sections only. All concrete shall be replaced with 47B Concrete with at least 6 sack of cement per cubic yard of concrete. Newly poured concrete shall be the average thickness of the existing pavement plus 1 inch, but shall in all cases be at least 7" thick. 18" long #4 rebar shall be drilled and grouted into the existing pavement at 30" intervals along all adjoining edges of the pavement. All formwork and subgrade shall be approved by the Superintendent of Street prior to the contractor ordering or placing concrete.

Erosion Control – The building permit holder shall protect all Right-Of Ways and storm sewers abutting the permitted land from pollutions including soil erosion during the duration of the building permit. Track out of dirt and debris from the lot onto the public roadways will not be allowed. The permit holder will be responsible for any track out, including track out caused by subcontractors of the construction site. If track out is found the building permit holder will be notified and allowed 24 hours to cleanup the roadway. The building permit holder is responsible for all cost associated with the cleanup efforts. In the event the cleanup is not completed within 24 hours of said notification the city may elect to perform, or hire a contractor to perform, the cleanup duties and the City bill the building permit holder for all cost incurred.

Sanitary Sewer Services- Pipe material shall be Vitrified Clay Pipe, as per the City of Kearney Standard Specifications for Municipal Construction, or Poly Vinyl Chloride Pipe (P.V.C.). P.V.C. piping shall be schedule 40, meeting requirements of ASTM D-1785. Only, Fernco Flexible Tap Saddles, Dickey Clay epoxy saddles, or approved equal tapping saddles will be allowed and installed as per the manufacture's specifications. Sanitary sewer mains will only be allowed to be tapped by a core saw or an approved equal method. Sanitary sewer services shall be laid at a uniform straight grade. Backfill for all excavations shall be carefully placed. Pipe shall be bedded with dry uniform natural soils to 1 foot above the top of pipe. The trench shall be backfilled and compacted in 1 foot lifts. Compaction shall be 95% of the Standard Proctor for the material or approved by the Street Superintendent.

Water Services- Tapping of a water main will only be done by the City of Kearney Utilities Department or their designee. Fire suppression mains shall be Class 50 Ductile Iron Pipe from the water main to the post indicator valve. Any water services tapped off the fire suppression main shall be tapped on the street side of the post indicator valve.

Backfill for all excavations shall be carefully placed. Pipe shall be bedded with dry uniform natural soils to 1 foot above the top of pipe. The trench shall be backfilled and compacted in 1 foot lifts. Compaction shall be 95% of the Standard Proctor for the material or approved by the Street Superintendent.

Landscape Specifications for Work Performed in the Public Right-of-Way - In cases where the measurement from the back of curb of the public street to the closest edge of the public sidewalk is less than five feet (5') the area shall be excavated and filled with four inches (4") of compacted sand base and finished with brick pavers or four-inch (4") depth of brick stamped Portland cement concrete flush with the top of curb and top of sidewalk. The standard color shall be "brick red" and colored concrete shall have the pigment evenly distributed through the thickness of the pour.

In cases where the measurement from the back of curb of the public street to the closest edge of the public sidewalk is five feet (5') or greater, the area shall be backfilled with suitable topsoil and planted to irrigated turf grass. The grass may be sodded or seeded, but the grass will not be accepted by the City until a vigorous stand is established. In commercial districts the grass area shall be watered with an automated, underground sprinkler system with the heads broadcasting from the street side into the property.

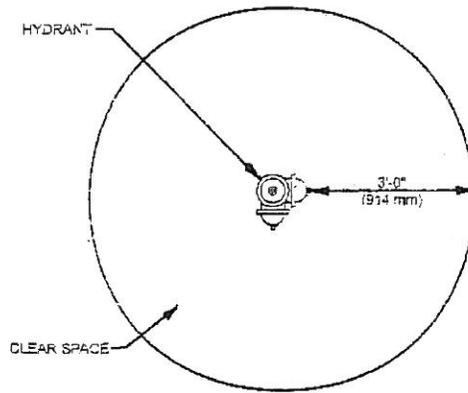
In cases where a curb-side sidewalk is present, the remaining right-of-way behind the sidewalk shall be planted to irrigated turf grass as described above.

No trees shall be planted in the public-right-of-way unless approved by the City Council.

Fire Hydrant Access -

OBSTRUCTION: Posts, fences, vehicles, growth, trash, storage and other materials or objects shall not be placed on kept near fire hydrants, fire department inlet connections (FDC) or fire protection system control valves in a manner that would prevent such equipment or fire hydrants from being immediately visible. The fire department shall not be deterred or hindered from gaining immediate access to fire hydrants or other fire protection equipment.

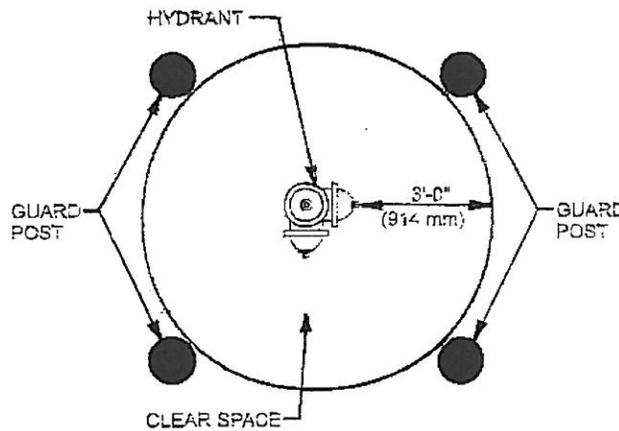
CLEARANCE: A 3-foot clear space shall be maintained around the circumference of fire hydrants except as otherwise required or approved.



HYDRANT CLEARANCE

PHYSICAL PROTECTION: When required by the Fire Chief or his designated official fire hydrants that are subject to impact by a motor vehicle shall be protected with guard posts or other means approved by the Fire Department. Guard posts shall comply with all of the following requirements:

- Constructed of steel not less than 4 inches in diameter and concrete filled.
- Spaced not more than 4 feet between posts on center.
- Set not less than 3 feet deep in a concrete footing of not less than 15-inch diameter.
- Set with the top of the posts or other physical barrier not less than 3 feet above ground.
- Located not less than 3 feet from the fire hydrant or fire protection equipment.



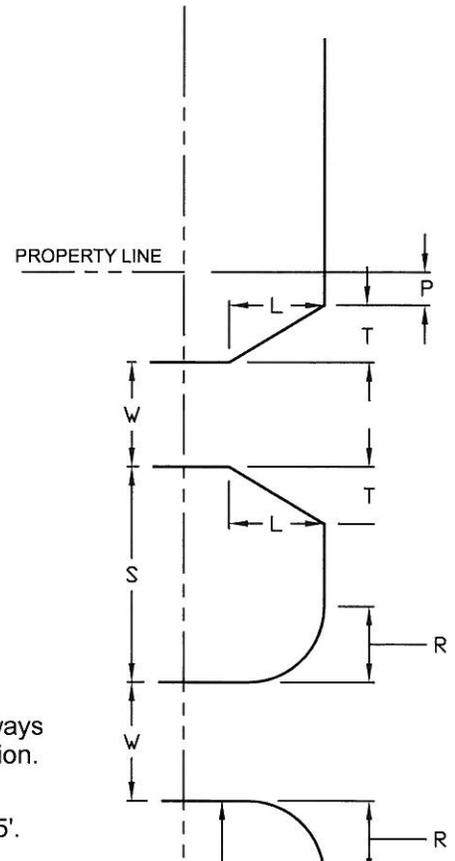
HYDRANT IMPACT PROTECTION

Work in State Highway Right-Of-Way – Any work in state highway Right-Of-Ways may require a permit from the Nebraska Department of Roads (NDOR). NDOR can be contracted at 308-385-6263.

Attachments to these specifications – The following attachments shall be considered a part of these specifications:

Standard Plate no. 2001 – Driveway Curb Cut Details dated December 2, 2015

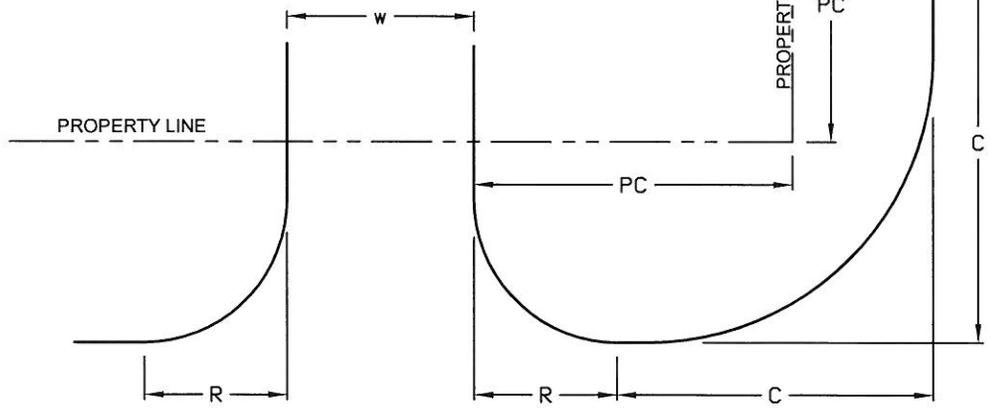
	DIMENSION REFERENCE (SEE FIGURE)	RESIDENTIAL	COMMERCIAL	INDUSTRIAL
WIDTH				
MINIMUM	W	10	25	25
MAXIMUM	W	35	35	35
RIGHT-TURN RADIUS				
MINIMUM	R	5	15	15
MAXIMUM	R	15	20	20
SPACING				
FROM PROPERTY LINE (MIN.)	P	0	0	0
FROM STREET CORNER (MIN.)	C	40	60	60
BETWEEN DRIVEWAYS (MIN.)	S	4	30	30
FROM PROPERTY CORNER (MIN.)	PC	25	50	50
DRIVEWAY TAPER				
WIDTH (MIN.)	T	2		
WIDTH (MAX.)	T	6		
LENGTH (MIN.)	L	6		
LENGTH (MAX.)	L	12		



ROADWAY

NOTES:

- All driveways on Arterial roadways or within 200 feet of Arterial roadways must be approved by the City Engineer prior to beginning construction.
- A minimum 15' Radius is required if the curb line is a driving lane.
- The width of a driveway at any sidewalk shall not be greater than 35'.
- Place a minimum of 1" expansion joint at the property line.



ROADWAY

DATE:
Dec. 2, 2015
SCALE:
AS SHOWN
DRAWN BY:
BRUCE
GRUPE

CITY OF KEARNEY – ENGINEERING DEPT.
DRIVEWAY CURB CUT DETAILS FOR LOCAL AND COLLECTOR ROADWAYS

STANDARD
PLATE
NO.
201

