

Specifications
For
**FLATWORK CONCRETE
AND
CURB, GUTTER OR COMBINATION OF CURB & GUTTER REPAIR/REPLACEMENT**

The City of Rice Lake will be accepting bid proposals for a contractor to remove and/or replace flatwork concrete/sidewalk, curb, gutter or combination of curb and gutter, in conjunction with their regular maintenance type work schedule. The intent of this contract is to ensure the City of Rice Lake that flatwork concrete and curb, gutter, and/or combination of curb and gutter repair/replacement shall be done in a responsible and timely manner. The flatwork concrete/sidewalk, curb, gutter or combination of curb and gutter repair/replacement shall be done under the following specifications:

NATURE OF WORK:

Work shall include the removal of deteriorated concrete and unsuitable materials, placement of suitable foundation and flatwork/curb concrete as directed in conjunction with the City of Rice Lake Community Services Dept. Removal amounts and grades shall be set by the Community Services Director or duly authorized representative.

EQUIPMENT:

1. **Requirements:** Equipment and tools necessary for performing all parts of the work shall be satisfactory as to design, capacity and mechanical condition for the purpose intended. Any equipment which is not maintained in full working order, of which is inadequate to obtain the results intended, shall be repaired, improved or replaced immediately so that the progress and workmanship required by the contract is obtained.
2. **Forms:** All forms shall be cleaned thoroughly and oiled before the concrete is placed against them.
 - a.) Forms for the flatwork concrete shall be of wood or metal and shall be straight and of sufficient strength to resist springing, tipping or other displacement during the process of depositing and consolidating the concrete. If of wood, forms shall be surfaced plank of at least two-inch nominal thickness stock except for sharply curved sections; and if of metal, they shall be of approved section and shall have a flat surface on top. The forms shall have a depth at least equal to the depth of the flatwork concrete. They shall be securely staked braced and held firmly to the required line and grade and shall be sufficiently tight to prevent leakage of mortar.
 - b.) The forms for the curb, gutter or combination of curb & gutter repair/replacement shall be of the full depth of the required curb, gutter or combination curb and gutter sections and shall facilitate secure fastening. Flexible or curved forms of proper radius shall be used for curves of 100-foot radius or less.
3. **Slipform Paver:** The Contractor may with approval of the Community Services Director or duly authorized person(s) elect to use a machine for placing, forming and consolidating sidewalk, curb, gutter or combination curb and gutter. If a machine is used the resulting sidewalk, curb, gutter or combination curb and gutter shall be of such a quality as to equal or exceed that produced by the above describe methods and shall have the required contraction and expansion joints. The contraction joints may be saw cut or created by insertion of separator plates having a minimum depth of two inches.

PREPARATION OF FOUNDATION:

1. Removal/disposal of any unsuitable base materials and the placement of granular sub-base course shall be considered incidental to the removal amount bid.
2. The foundation shall be formed by excavating a minimum of 12 inches below the required elevation of the bottom of the concrete thickness. All granular sub-base materials shall require approval prior to placement. Granular sub-base and placement shall be incidental to the removal amount bid.
3. The foundation shall be thoroughly tamped or otherwise compacted to insure stability.
4. The Contractor shall provide all equipment, materials and labor necessary to produce a finished subgrade foundation for the sidewalk. The subgrade shall be constructed to the lines, grades and cross sections shown on the plans and required for placing the concrete. **The subgrade shall be thoroughly compacted and finished to a firm, true surface.** The compaction shall result in a minimum density of 95% and an average density of 98% standard proctor as determined by ASTM D1556 and D698.

PLACING CONCRETE:

1. Immediately prior to placing of the concrete, the foundation soils shall be thoroughly moistened. The concrete shall then be deposited to the proper depths, thoroughly consolidated, spaded against the forms, struck off and finished to the required section.
2. Steel separators of a section conforming to the true contour of the curb face shall be placed in the curb, gutter or combination curb and gutter at intervals not less than six feet or more than twelve feet. Separators shall be removed as soon as practicable after the concrete has been struck off, consolidated and set sufficiently to preserve the width and shape of the joint. After separator removal, the joints shall be rounded with an edge of 1/4 inch radius.

EXPANSION AND CONTRACTION JOINTS FOR FLATWORK CONCRETE:

1. Flatwork/sidewalk shall be divided into sections by means of contraction joints equal to the width of the sidewalk.
2. A contraction joint shall consist of a slot or groove, at least one inch in depth and 1/4 inch in width, formed by inserting a metal parting strip in the concrete prior to being struck off and consolidated; and while the concrete is still in plastic. As soon as the concrete will retain its shape, the parting strip shall be removed and the joint edge finished. Or as an alternate method, by cutting the concrete not less than 1/4 of the depth through with a pointed trowel or other suitable tool and the joint edge finished.
3. When approved by the Community Services Director or duly authorized person(s), contraction joints at least one inch in depth and approximately 1/8 inch in width may be sawed in the concrete sidewalk. The sawing shall be done as soon as practicable after the concrete has set sufficiently to preclude raveling during the sawing and before any shrinkage cracking take place in the concrete.
4. Expansion joint filler shall extend to the full depth of the concrete and the top shall be slightly below the finished surface of the sidewalk if sawing of joints is accomplished.
5. One-half inch expansion joint filler shall be placed:
 - a.) Between sidewalk and curb or gutter; and,
 - b.) Each change of thickness of sidewalk.
6. Sidewalks shall be divided into sections not less than three (3) feet or more than ten (10) feet in any dimension. The section shall be produced by contraction joints.
7. Expansion joint filler material shall be of the non-extruding; resilient bituminous preformed type for concrete paving conforming to AASHTO designation M153.

EXPANSION AND CONTRACTION JOINTS FOR CURB, GUTTER OR COMBINATION OF CURB & GUTTER CONCRETE:

1. Expansion joints shall be placed in the curb, gutter or combination curb and gutter at right angles to the face and top of the curb and at right angles to the flow line and surface of gutters. Joints shall be located directly opposite the expansion joints in abutting pavement, at all locations where tangent and radial curb and gutter meet, and at the ends of all street intersection radii. The maximum distance between expansion joints shall not exceed 50 feet.
2. Expansion joint filler material shall be of the non-extruding, resilient bituminous preformed type for concrete paving conforming to AASHTO designation M153. It shall have a thickness of 3/4 inch.

BACKFILL:

The backfill against new flatwork will be the responsibility of the Owner; **however**, the Contractor will be required to notify the owner immediately when the sidewalk has been adequately cured and the forms have been removed. Backfill for the protection of the curb prior to Owner backfilling will be the responsibility of the Contractor.

LOCATION OF UNDERGROUND STRUCTURES & UTILITIES:

It is the responsibility of the Contractor to acquaint himself with the location of all underground structures and utilities which may be encountered or which may be affected by work under the contract. The locations of any underground structures and utilities furnished, shown on the plans or given on site are based upon the available records; but are not guaranteed to be complete or correct and are given only to assist the contractor in making a determination of the location.

ALIGNMENT:

The maximum deviation of the sidewalk, curb, gutter or combination curb and gutter from vertical and horizontal alignment shall not exceed 1/4 inch in 10 feet. Any section exceeding this alignment limit shall be removed and replaced by the Contractor at his expense.

ADJUSTMENTS:

The City of Rice Lake Community Services Dept. shall adjust all utilities with the exception of catch basin inlets which shall be adjusted to grade by the Contractor.

FINISHING:

1. The face surfaces of the sidewalk shall be struck off and floated with a float. Before the mortar has set, the surface shall be steel troweled and brushed. Before the concrete is given the final surface finish, the surface of the sidewalk shall be checked with a ten (10) foot straightedge. Any areas which show a variation from the testing edge of more than 1/4 inch shall be corrected. Maximum alignment deviation of sidewalk shall not exceed 1/4 inch in 10 feet. Any section exceeding this alignment limit shall be removed and replaced by the Contractor at his expense. The Contractor, at his expense, shall correct any deviation.
2. The face surfaces of the curb, gutter or combination curb and gutter shall be thoroughly troweled and brushed. The back edge of the curbs, the edge of the gutter adjacent to pavement and the edges adjacent to expansion joints and the contraction joints formed by the separations shall be rounded with an edge of 1/4 inch radius. Any honeycombed areas occurring along forms shall be pointed with mortar. Mortar shall be composed of three parts of sand for mortar and one part Portland cement. Hydrated lime and masonry cement shall not be used.

CURING:

All concrete surfaces are to be cured by one of the following methods:

1. Impervious Coating Method: As soon after finished operations as the free water has disappeared, the concrete surface shall be sealed by spraying a uniform coating of approved curing material, in such a manner as to provide a continuous water impermeable film on the entire concrete surface. The liquid curing compound used shall meet the requirements of AASHTO Designation M148, Type 2. The material shall be applied to form a uniform coverage at the rate recommended by the manufacturer.
2. Paper Method: Polyethylene Film. As soon as the concrete has been finished and has hardened sufficiently to prevent harmful marring of the surface and before the moisture has disappeared; the surface of the concrete shall be wetted by applying water in a fine spray. Immediately after the concrete has been wetted, a 4-mil polyethylene sheet shall be applied. The polyethylene sheet shall remain in place at least 72 hours.

PROTECTION:

The Contractor shall erect and maintain suitable barricades and employ such watchmen as may be necessary to exclude traffic from the newly constructed sidewalk. This protection shall be maintained for not less than seven (7) days.

COLD WEATHER CONCRETE

SCOPE:

When the average air temperature is expected to drop below 40 degrees Fahrenheit, concrete operations shall cease unless the following precautions are implemented:

1. Heating: Aggregates and water shall be heated so that the combined mix temperature does not exceed 100 degrees Fahrenheit. The heating of the cement or adding of calcium or chemical mixtures to the concrete mix to prevent freezing shall be permitted with the approval of the Community Services Director or duly authorized person(s).
2. Subgrade: Concrete shall not be placed on frozen subgrade. **Contractor** shall provide artificial heat as necessary to thaw and maintain the subgrade in a thawed condition.
3. Protection: **Contractor** shall take all precautions necessary to prevent freezing of the concrete and to produce quality concrete. Freezing protection shall include covering the concrete with a polyethylene paper and 12 inches of straw, excelsior, or hay. Regardless of the precautions taken, the Contractor shall be responsible for protection of the concrete placed and any concrete damaged by freezing shall be removed and replaced at the expense of the Contractor.

CONCRETE MIXTURE

CONCRETE MATERIALS:

Cement: The cement shall meet the requirements of Type II, Portland Cement: ASTM C 150.

Water: Water for use with cement shall be clean and free from injurious amounts of oil, acid, alkali, organic matter and other deleterious substances.

Fine Aggregates: Fine aggregates shall consist of a combination of sand with fine gravel, crushed gravel or stone, all with clean, hard, durable uncoated grains, and shall not contain more than 3.0% by weight of deleterious materials such as alkali, mica, coated grains, clay shale and soft and flaky particles.

Aggregates shall be well graded from coarse to fine and shall conform to the following gradation:

Sieve Size	Percentage by Weight Passing
9.50mm/3/8inch	100
4.75/No.4	90-100
1.18mm/No.16	45-80
300um/No.50	10-30
150um/No.100	2-10

Coarse Aggregate: Coarse aggregates shall be clean, hard, durable gravel, crushed gravel or crushed stone free of vegetation, adherent coatings and other deleterious substances. Crushed limestone as a coarse aggregate will not be permitted. Coarse aggregate shall be well graded from coarse to fine within the following limits:

Sieve Size	Percentage by Weight Passing
25 mm/1 inch	100
19 mm/3/4 inch	90-100
9.5 mm/3/8 inch	20-55
4.75 mm/No.4	0-10
2. mm/No.10	0-5

CONCRETE PROPORTIONS:

Concrete for this project shall meet the job mix limits set forth in the following table. The quantities of aggregate set forth are for dry materials having a bulk specific gravity of 2.65. For aggregates having a different specific gravity, the weights shall be adjusted in the ratio that the specific gravity of the material used bears to 2.65.

CONCRETE CONSISTENCY:

- Description:** The consistency of the mixed concrete shall be uniformly distributed throughout the mass, such that the mortar will cling to the coarse aggregates. The mixed concrete shall not be sufficiently wet to flow and segregate, nor of a mealy, dry consistency.

Item No.	JOB MIX LIMITS
1.	Concrete: Air-Entrained with air content of 6.0%, plus or minus 1.5%.
2.	Nominal Cement Factor: 6.0 sacks/cu. yd.
3.	Water-Cement ratios (gal/sack): 5.1 design; 6.0 maximum.
4.	Quantities: For one nominal cubic yard of concrete:
	a) Cement: 565 pounds
	b) Total aggregate as % of total aggregate: 30-45
	c) Maximum water: 36 gallons
5.	Additives: Only air-entraining admixtures are allowed.
6.	Mix compressive strength shall be a minimum of 4,000 psi at 28 days.

- Slump:** Concrete placed and consolidated by hand methods shall have a slump of two to four inches. Concrete placed and consolidated by vibration the slump shall be between one to three inches. Slump tests on concrete shall be made in accordance with AASHTO Designation T119, by the Contractor as directed by the Community Services Director, the Engineer or duly authorized person(s).
- Concrete Test Specimens:** The Community Services Director or his duly authorized person(s) reserve the right to cast up to one specimen per job site of sidewalk and/or curb, gutter or combination curb and gutter.

The specimen shall be used for testing to determine the compressive strength of the concrete used. Test cylinders shall be 6 inches in diameter by 12 inches in height and shall be provided by the Contractor. Concrete test specimens shall be cured on the job site in an environment equal to that of the poured concrete. When adequately cured the specimens shall be crated, embedded in straw or burlap for protection and transported to the testing laboratory. The Contractor shall pay for the concrete specimen material, transportation of the specimen and the laboratory testing fees.

General

1. Sidewalk, curb, gutter and/or combinations thereof are shown in Figure #2 as a standard only, and may be changed to fit surrounding and/or adjoining area in type, depth and width.
2. Sidewalk sections approaching intersections shall have wheel chair ramps as indicated in Figure #1.
3. Curb, gutter or combination of curb and gutter for driveway sections are shown in Figure #2.
4. The Community Services Director or duly authorized person(s) shall set elevations and/or cross sections. Generally, the sidewalk shall be .20 feet higher than the top of curb at the inside edge and .10 feet higher than inside at outside edge of sidewalk.
5. Direction of the work to be accomplished shall include estimated footage, site location, project specifications and drawing or blueprint, if available.
6. Contractor shall proceed with repair/replacement within ten (10) working days of notification from the Community Services Director or duly authorized person(s). Any repair/replacement or part thereof damaged prior to acceptance by the Owner shall be repaired and/or replaced at the expense of the Contractor.
7. Contractor shall conduct operations under this contract in compliance with all applicable laws.
8. City reserves the right to assign job site inspectors as deemed necessary by the Community Services Director or duly authorized person(s).
9. Utility adjustments shall be deemed incidental to each project.
10. Contractor shall give written notification to Police, Fire and Community Services Dept.'s of the municipality at least twenty-four (24) hours before closing off or in any way affecting through vehicular traffic on any street.
11. Contractor shall not litter premises in the process of completion of any part of this contract.
12. Contractor shall provide Community Services Director or duly authorized person(s) with current information regarding contract jobs, upon request.
13. Contractor shall have a qualified person(s) in charge and shall give the name(s) to the City.
14. This contract constitutes the entire job and understanding between the parties hereto, and it shall not be considered modified, altered, changed or amended in any respect unless in writing and signed by the parties hereto.
15. The failure of the City at any time to require performance by the Contractor of any provisions hereof shall in no way effect the right of the City thereafter to enforce same. Nor shall waiver by the City of any breach of such provisions hereof be taken or held to be a waiver of any succeeding breach of such provisions or as a waiver of any provision itself.
16. No assignment of the contract or any right occurring under this contract shall be made in whole or part without the express written consent of the City.
17. Contractor shall list any special conditions with bid or City shall expect Contractor to be in complete agreement with all parts of this contract.
18. Contractor will defend, save harmless, and exempt the City, its officers, agents, servants, and employees from and against any and all suits, actions, legal proceedings, claims, demands, costs, expenses, and attorney's fees resulting from injury to person(s) or damage to property out of work done in the performance of this contract.
19. This Contract shall not be construed as to cover all projects new or projects funded through secondary sources, either full or partial, but not limited to such projects as Federal Highway Safety Projects, Federal Aid Urban Projects, State primary and secondary projects, Economic Development Projects or Recreational Projects.
20. The City of Rice Lake reserves the right to reject any or all bids, to waive informalities, and to accept the bid proposal deemed most advantageous to the City of Rice Lake.

PAYMENT

Payment shall be made upon approval of the Community Services Director or duly authorized person(s). Bills must be received at the Community Services Dept. no later than 10 days prior to the second Tuesday of each month.

W-9:

An updated W-9 is required before any payments are made.

Nondiscrimination Clause

Without limiting the generality of any of the provisions of this Agreement, CONTRACTOR, in its operations, and also as a part of the consideration hereof, shall maintain and operate its facility and provide its services in compliance with and pursuant to Title 49, Part 21, Code of Federal Regulations, nondiscrimination in federally-assisted programs of the Department of Transportation-Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended; and shall not on the grounds of race, creed, color or national origin, physical limitation or disability, or on any other prohibited basis discriminate or permit discrimination against any person or group of persons in the manner whatsoever.

In addition, the CONTRACTOR covenants that it will undertake an affirmative action program as required by 14 CFR Part 152, Subpart E, to ensure that no person shall on the grounds of race, creed, color, national origin, or sex be excluded from participating in any employment activities covered in 14 CFR Part 2152, Subpart E. The CONTRACTOR assures the CITY that no person shall be excluded on these grounds from participating in or receiving the services or benefits of any program or activity covered by this Subpart. The CONTRACTOR assures that it will require that its covered suborganizations provide assurances to the CONTRACTOR that they similarly will undertake affirmative action programs and that they will require assurances from their suborganizations, as required by 14 CFR Part 152, Subpart E, to the same effect.

LIABILITY INSURANCE REQUIRED

No Contract shall be issued until Contractor has furnished satisfactory proof of a liability insurance policy in full force and effect in a company authorized to do business in the State of Wisconsin for the total operation in the amount of a One Million Dollar (\$1,000,000) complete liability umbrella policy covering injury, death or destruction of property of any person other than the Contractor. \$1,000,000 bodily injury each occurrence and \$5,000,000 aggregate and \$500,000 property damage each occurrence. Such insurance shall not be canceled or reduced. Cancellation or reduction of insurance shall automatically suspend this contract, and no further work shall be done. The policy or policies shall name the City as an additional insured. Current Certificates of insurance shall be filed with the City annually.

LIABILITIES

As a condition of acceptance by City of any bid, bidder shall satisfy all outstanding liabilities, if any, owing to the City of Rice Lake by bidder.

CONTRACT REVOCATION OR SUSPENSION

The Community Services Director or duly authorized representative may temporarily suspend this contract for any violation of these specifications for a period not exceeding three (3) days, or may revoke such contract after any opportunity for hearing before the City Council upon ten (10) days personal notice to the Contractor.

Sealed Bids shall be received until **2:00 p.m. Thursday, March 26, 2026**, at the City Clerk's office, 30 E. Eau Claire St., Rice Lake, Wisconsin. Bids shall be opened after **2:00 p.m.** in the Council Chambers, 30 E. Eau Claire St., Rice Lake, Wisconsin.

The City of Rice Lake reserves the right to reject any or all bids, to waive informalities, and to accept the proposal deemed most advantageous to the City of Rice Lake.

BID PROPOSAL

Proposal of _____

(hereinafter called "BIDDER"), organized and existing under the State of _____

doing business as _____ to the City of Rice Lake, Wisconsin

(Hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all work for the construction of SIDEWALK REPAIR/REPLACEMENT and CURB, GUTTER OR COMBINATION OF CURB AND GUTTER in strict accordance with the Specifications, within the time set forth therein, and at the prices stated in the attached proposal forms.

By submission of this BID, each BIDDER certifies as to its own organization, that this BID has been arrived at independently, without consultation, communications, or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

BIDDER hereby agrees to commence work as specified under this contract.

The following abbreviations are used in this proposal:

F & I	furnish and install
psf	per square foot
plf	per linear foot
sf	square foot

BIDDER agrees to perform all work described in the Specification Documents for the following unit prices:

PROPOSAL FORM

Flatwork/Sidewalk Repair/Replacement

Item No.	Bid Item Description	Unit Price per square foot
1 - a	F & I - 4" thick concrete flatwork\sidewalk psf	
	A. 0 sf to 125 sf per job site	\$
	B. 126 sf to 500 sf per job site	\$
	C. 501 sf to 5,000 per job site	\$
	D. 5,001 or greater	\$
	E. ½" steel reinforcement bar placed 36" on center	\$

2 - a	F & I - 6" thick concrete flatwork\sidewalk psf	
	A. 0 sf to 125 sf per job site	\$
	B. 126 sf to 500 sf per job site	\$
	C. 501 sf to 5,000 sf per job site	\$
	D. 5,000 sf or greater	\$
	E. ½" steel reinforcement bar placed 36" on center (per sq ft of surface)	\$

3 - a	Removal/disposal flatwork\sidewalk psf	
	A. Removal of 2-4-inch flatwork concrete per job site	\$
	B. Removal of 5-8-inch flatwork concrete per job site	\$

Curb, gutter or combination of curb and gutter

Item No.	Bid Item Description	Unit Price
1 - b	F & I standard 24" width concrete curb and gutter plf	
	A. 0 lf to 50 lf per job site	\$
	B. 51 lf to 100 lf per job site	\$
	C. 101 lf and greater per job site	\$
2 - b	F & I standard 30" width concrete curb and gutter plf	
	A. 0 lf to 50 lf per job site	\$
	B. 51 lf to 100 lf per job site	\$
	C. 101 lf and greater per job site	\$
3 - b	F & I standard 6" depth 12" height concrete curb plf	
	A. 0 lf to 50 lf per job site	\$
	B. 51 lf to 100 lf per job site	\$
	C. 101 lf and greater per job site	\$
4 - b	Removal/disposal of curb or combination curb & gutter plf	
	A. 0 lf to 50 lf per job site	\$
	B. 51 lf to 100 lf per job site	\$
	C. 101 lf and greater per job site	\$

In submitting this bid, it is understood that all work must be completed in accordance with the time schedule set forth in this proposal form and that the City of Rice Lake reserves the right to reject any or all bids, to waive informalities, and to accept the bid proposal deemed most advantageous to the City of Rice Lake. The City of Rice Lake reserves the right to reject any or all bid items set forth in this proposal. It is agreed that this bid will not be withdrawn.

Upon the acceptance of this proposal, the successful Bidder shall be the Contractor and all references in the proposal to the Bidder shall apply to the Contractor for the year bid.

Respectfully submitted,

Contractor _____

By _____

Title _____

Address _____

Telephone Number _____

Email _____

Name

Title

Date SEAL (if Bid is by a Corporation)

**Figure 1.
Sidewalk Handicap Ramps**

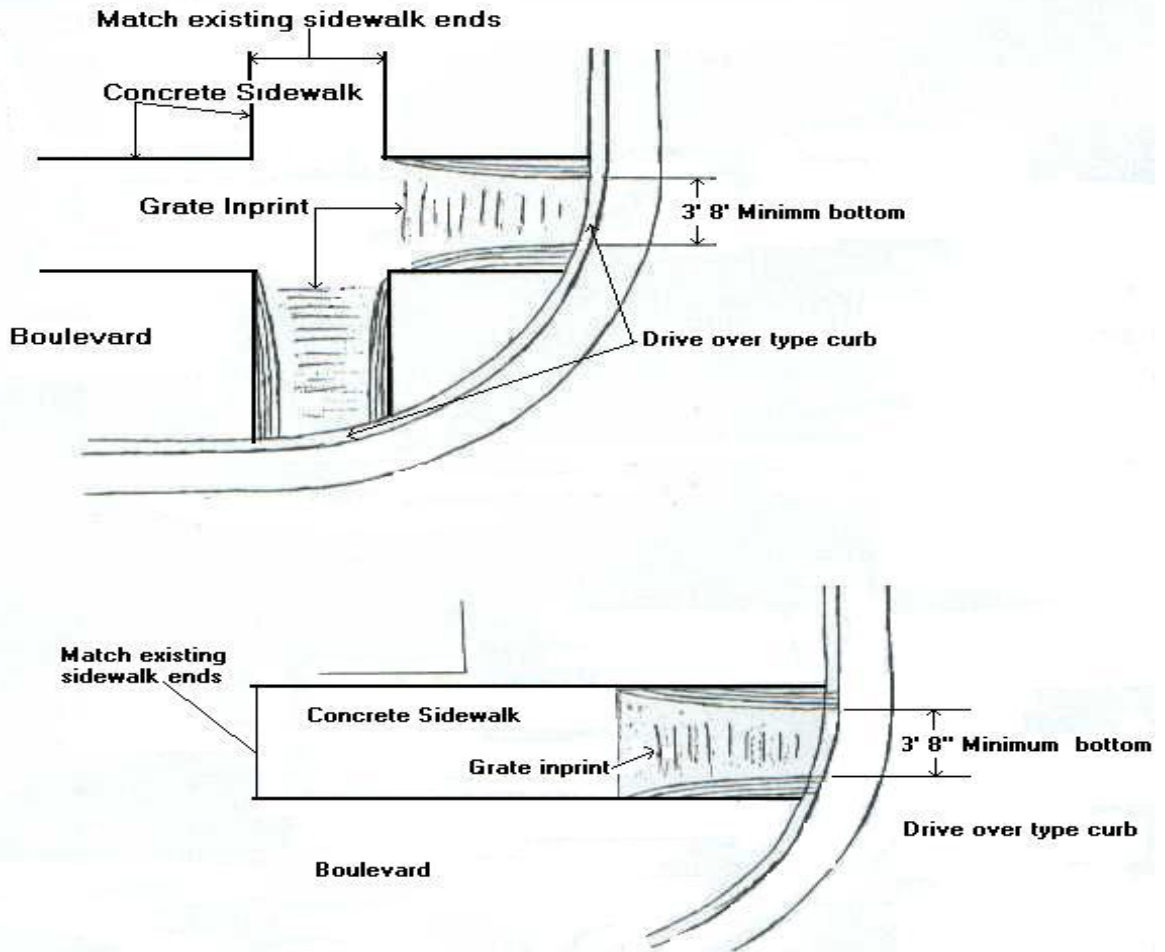
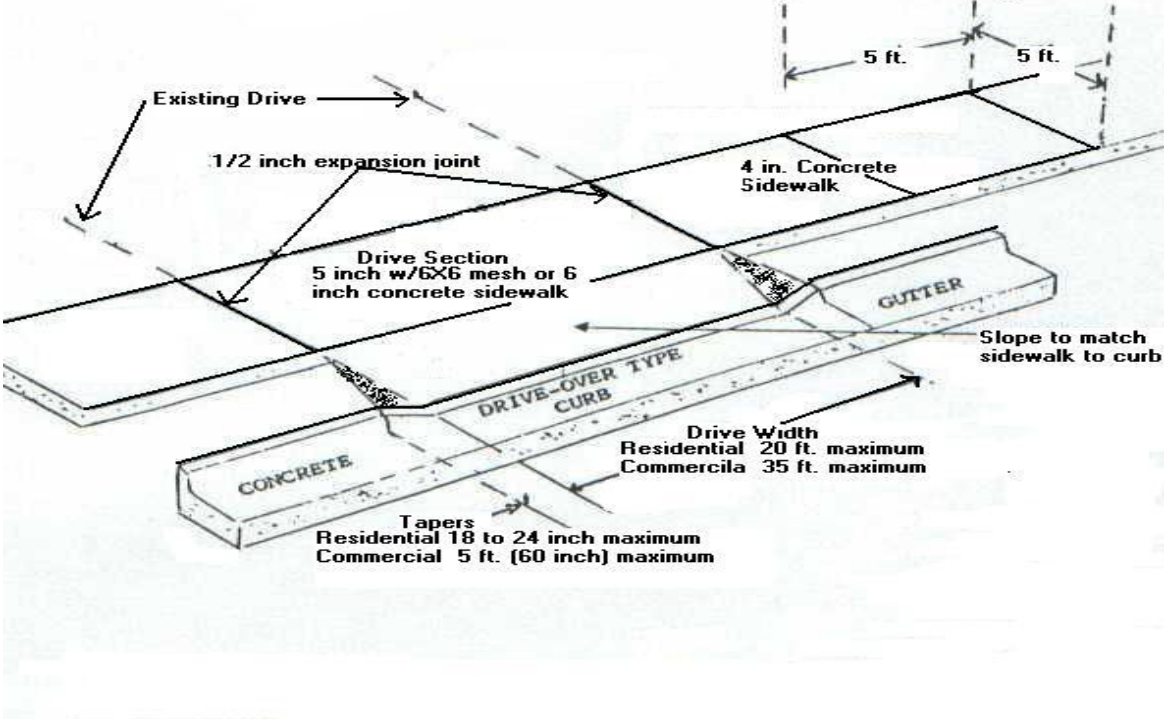
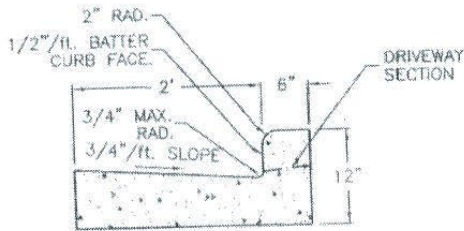


Figure 2.
Typical Drive Approach

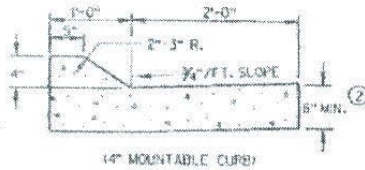
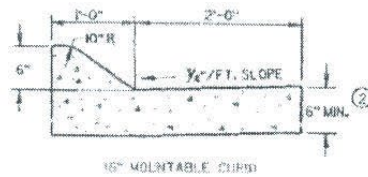


Concrete Driveover Curb & Gutter Section



**CONCRETE CURB AND GUTTER,
30-INCH. TYPE "D"**

NOTE:
THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER
LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE
COURSE PROVIDED A 6" MIN. GUTTER THICKNESS IS MAINTAINED.



① TYPES A & D
CONCRETE CURB & GUTTER 36"