

**CONSTRUCTION AGREEMENT
FOR UTILITY STREET CUT & CONCRETE
REPAIRS WITH THE CITY OF NORTH
RICHLAND HILLS AND
WESTHILL CONSTRUCTION, INC.**

THIS **CONSTRUCTION AGREEMENT** (“**Contract**”) is made and entered by and between “**WESTHILL CONSTRUCTION, INC.**”, (hereinafter referred to as "**Contractor**"), and the **CITY OF NORTH RICHLAND HILLS, TEXAS**, a municipal corporation (hereinafter referred to as "**City**" or “**Owner**”), to be effective upon the date executed by the City.

For and in consideration of the covenants and agreements contained herein, and for the mutual benefits to be obtained hereby, the parties hereto agree as follows:

I. CONTRACT DOCUMENTS

The parties agree that the Contract Documents shall consist of the following:

1. This signed Construction Agreement;
2. Any and all Addendum(s);
3. “Notice to Bidders” advertisement;
4. The Contractor’s Bid Proposal
5. Special Instruction to Bidders;
6. General Conditions of Bid #25-008;
7. Special Conditions of Bid #25-008;
8. The Specifications of Bid #25-008;
9. The Plans/Drawings of Bid #25-008;
10. Payment Bond;
11. Performance Bond; and
12. Insurance Certificate(s)

These contract documents form the construction agreement and are a part of this construction agreement as if fully set forth herein. The contract documents are complementary and what is called for by one shall be as binding as if called for by all. In the event of an inconsistency in any of the provisions of the contract documents, the inconsistency shall be resolved by giving precedence to the contract documents in the order in which they are listed above.

II. THE WORKS

Contractor shall provide all labor, supervision, materials and equipment necessary to perform all work required by the contract documents in connection with the construction of Utility

Street Cut & Concrete Repairs (“work”), through Bid #25-008. Such Street Cut & Utility Repair may include, but are not limited to the removal and reconstruction of reinforced concrete pavement, drive approaches, sidewalks, or other Utility Street Cut & Concrete Repairs as needed. Specific work to be performed under this Agreement shall be set forth in a written quote from the Contractor based on the pricing sheet attached and incorporated herein as **Exhibit "A"**

III. TIME OF COMMENCEMENT; COMPLETION

Contractor shall commence work within ten (10) calendar days after receiving from City a Notice to Proceed for a work order. The Term of this Contract shall be for 12 months. The City shall have the option to renew this Contract for four (4) additional 12 month periods in accordance with Section 39 of the Special Conditions. The Date of Completion for the work shall be set forth in the Scope of Work for each service provided under this Contract.

IV. CONTRACT PRICE

The City shall pay the Contractor in currently available funds for the performance of the work, subject to additions and deductions by change orders as provided in the contract documents, a total amount not to exceed **THREE HUNDRED FIFTY THOUSAND DOLLARS (“\$350,000.00”)**. Payment will be due upon completion of work and acceptance of the work by the City.

Within the following thirty (30) days, Owner shall make partial payments to the Contractor for work performed during the preceding calendar month as estimated by the Owner or Owner's Representative. Ten percent (10%) of each estimate shall be retained by the Owner until final completion and acceptance of all work covered by the Contract for the specific Scope of Work for contracts less than four hundred thousand dollars (\$ 400,000.00) in total Contract Price. Five percent (5%) of each estimate shall be retained by the Owner until final completion and acceptance of all work covered by the Contract for the specific Scope of Work for contracts equal to or greater than four hundred thousand dollars (\$ 400,000.00) in total Contract Price. Upon completion and acceptance of all work in compliance with the Contract, the Owner shall, within thirty (30) days, pay the Contractor the balance due under the terms and conditions of the Contract.

V. CHOICE OF LAW; VENUE

The parties agree that the laws of the State of Texas shall govern the interpretation, validity, performance and enforcement of this construction agreement, and that the exclusive venue for any legal proceeding involving this construction agreement shall be Tarrant County, Texas. No additional work shall be authorized or charged for unless authorized by a change order signed

by a person authorized by the City to do so. In the event of litigation between the parties, the parties shall be entitled to reasonable attorney's fees that are necessary, equitable and just, in accordance with applicable law, and as awarded by a court of competent jurisdiction.

VI. INSURANCE

The Contractor shall, at his own expense, maintain and keep in force insurance coverage in the minimum amounts as specified in the general conditions and specifications of Bid #21-011, with the City as an additional named insured providing primary coverage. Certificates of coverage, including workers compensation insurance, must be submitted with the contract. Insurance coverage must also cover all subcontractors employed by Contractor. Insurance coverage shall be written by companies approved by the State of Texas and acceptable to the Owner.

All required insurance certificates must be submitted prior to commencement of work.

VII. TERMINATION

A) Either party may terminate this Contract at any time for cause or convenience by providing ninety (90) days' written notice to the other party. Upon the receipt of such notice, Contractor shall immediately discontinue all services and work and the placing of all orders or the entering into contracts for all supplies, assistance, facilities and materials in connection with the performance of this Contract and shall proceed to cancel promptly all existing contracts insofar as they are chargeable to this Contract. Contractor shall not be entitled to lost or anticipated profits should City choose to exercise its option to terminate.

B) Non-appropriation of Funds.

In the event no funds or insufficient funds are appropriated by the City in any fiscal period for any payments due hereunder, City will notify Contractor of such occurrence and this Agreement shall terminate on the last day of the fiscal period for which appropriations were received without penalty or expense to the City of any kind whatsoever, except as to the portions of the payments herein agreed upon for which funds have been appropriated.

VIII. FORCE MAJEURE

Neither party shall be liable for failure to perform its obligations under this Contract if the performance is delayed or prevented by reason of war; civil commotion; acts of God; inclement weather; epidemics; pandemics; governmental restrictions, regulations, or interferences; fires; strikes; lockouts, national disasters; riots; material or labor restrictions; transportation problems; or any other circumstances which are reasonably beyond the control of the party. Such party's performance shall be excused for the length of time the force majeure event lasts, provided that

party makes a reasonable attempt to resume performance upon conclusion of the force majeure event, unless such performance has become legally impossible, in which case that party may terminate the Contract.

IX. CONFIDENTIAL INFORMATION

Contractor understands and acknowledges that Contractor will be provided with Owner information that may be confidential by law, rule, statute, ordinance or legal order. Contractor shall not disclose any information deemed confidential to any party who is not privy to or who does not have a special right of access to said information. Contractor agrees to use confidential information for purposes of providing the services contemplated herein only as determined by the City. Disclosure of, or unauthorized use of or access to, any confidential information by Contractor is a material breach of this Agreement. If Contractor violates this provision, and in addition to any other remedies at law or in equity that the City may have, the City may immediately obtain injunctive relief in a court of competent jurisdiction enjoining any continuing or further breaches and exercise any further remedies as authorized by law. Contractor agrees to indemnify and hold the City harmless for any claims or damages caused by Contractor's breach of this confidentiality provision.

X. RIGHT TO AUDIT

During the term of this Contract, and at any time within three (3) years following the expiration of this Contract, the City shall have the right of access to all information held in the possession of the Contractor related to services performed under this Contract, for audit purposes or otherwise. Contractor agrees to provide access to such information unless expressly prohibited from doing so by court or other governmental order. Except in the event of an emergency, the City will provide reasonable advance notice of any intended audits and the need for the information. Contractor agrees that it will keep records relating to the services provided hereunder for as long as required by law.

XI. NOTICES

Any notice required to be given hereunder shall be given by certified mail, return receipt to the following addresses:

If to City:
City of North Richland Hills
Attn: Paulette Hartman, City Manager
4301 City Point Drive
North Richland Hills, Texas 76102
Email: phartman@nrhtx.com
Phone: (817) 427-6004

With copy to the City Attorney at the same address.

If to Contractor:
Westhill Construction, INC.
Attn: Angela Reynolds
P.O. Box 2016
Cleburne, TX 76033
Email: westhillconst@aol.com
Phone: (817) 558-2504

XII. DISPUTE RESOLUTION

Except in the event of termination pursuant to Section VII(B) of this Contract, if either City or Contractor has a claim, dispute, or other matter in question for breach of duty, obligations, services rendered or any warranty that arises under this Contract, the parties shall first attempt to resolve the matter through this dispute resolution process. The disputing party shall notify the other party in writing as soon as practicable after discovering the claim, dispute, or breach. The notice shall state the nature of the dispute and list the party's specific reasons for such dispute. Within ten (10) business days of receipt of the notice, both parties shall commence the resolution process and make a good faith effort, either through email, mail, phone conference, in person meetings, or other reasonable means to resolve any claim, dispute, breach or other matter in question that may arise out of, or in connection with this Agreement. If the parties fail to resolve the dispute within thirty (30) days of the date of receipt of the notice of the dispute, then the parties shall submit the matter to non-binding mediation in Tarrant County, Texas, upon written consent of authorized representatives of both parties in accordance with the Industry Arbitration Rules of the American Arbitration Association or other applicable rules governing mediation then in effect. The mediator shall be agreed to by the parties. Each party shall be liable for its own expenses, including attorney's fees; however, the parties shall share equally in the costs of the mediation. If the parties cannot resolve the dispute through mediation, then either party shall have the right to exercise any and all remedies available under law regarding the dispute. Notwithstanding the fact that the parties may be attempting to resolve a dispute in accordance with this informal dispute resolution process, the parties agree to continue without delay all of their respective duties and obligations under this Agreement not affected by the dispute. Either party may, before or during the exercise of the informal dispute resolution process set forth herein, apply to a court having jurisdiction for a temporary restraining order in injunction where such relief is necessary to protect its interests.

XIII. ENTIRE AGREEMENT; AMENDMENTS; BINDING EFFECT

This construction agreement, including the contract documents listed in Paragraph I represents the entire and integrated agreement between City and the Contractor, and supersedes all prior negotiations, representations, or agreements, either written or oral. This construction agreement may be amended only by written instrument signed by both City and Contractor.

XIV. EFFECTIVE DATE

This construction agreement, shall be effective upon the date of execution by the City of North Richland Hills City Manager.

IN WITNESS WHEREOF, the parties have executed this construction agreement upon the year and date indicated beneath their signatures hereto.

CITY OF NORTH RICHLAND HILLS

BY: _____
Paulette Hartman, City Manager

DATE: _____

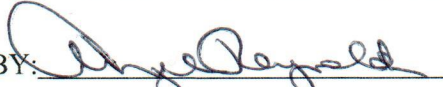
ATTEST:

Alicia Richardson,
City Secretary/Chief Governance Officer

APPROVED AS TO FORM AND LEGALITY:

Bradley A. Anderle, City Attorney

WESTHILL CONSTRUCTION, INC,

BY: 
Angela Reynolds, President

DATE: 11/22/25

ATTEST: 

TITLE: Secretary

NRH Council Action Y/N

Date Approved _____

Agenda No. _____

Ord /Res No. _____

EXHIBIT “A” SCOPE OF WORK

Scope of Work

This document outlines the services to be provided by **WESTHILL CONSTRUCTION, INC.**, (“Contractor”) pursuant to **City of North Richland Hills (“City”)** Bid #25-008 and the Contract executed between Contractor and City on __ (“Contract”). The services to be provided under the Scope of Work are as follows:

BID PROPOSAL

BASE BID – Utility Concrete & Street Cut Repairs

ITEM NO.	EST. QTY.	UNIT	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	715	SF	Remove and replace valley gutter 6”, complete in place.	\$ 25.00 __	\$ 17,875.00 _
2	2,838	SF	Remove and replace reinforced 4” concrete sidewalk, complete in place.	\$ 15.00 __	\$ 42,570.00 _
3	1	EA	Install curb ramp, complete in place.	\$ 4500.00 _	\$ 4,500.00 __
4	827	LF	Remove and replace concrete curb and gutter, complete in place.	\$ 72.00 __	\$ 59,544.00 _
5	1,203	SF	Remove and replace driveway flow line, complete in place.	\$ 18.00 __	\$ 21,645.00 _
6	1,623	SF	Remove and replace driveway, complete in place.	\$ 18.00 __	\$ 29,214.00 _
7	1,027	SF	Remove and replace concrete pavement, complete in place– 6” thick	\$ 25.00 __	\$ 25,675.00 _
8	834	SF	Remove and replace concrete pavement, complete in place– 8” thick	\$ 28.00 __	\$ 23,352.00 _
9	4,700	SF	Remove and replace 2” HMA Asphalt	\$ 19.00 __	\$ 89,300.00 _
10	10	EA	Minimum Fee per Work Order	\$ 2,500.00 _	\$ 25,000.00 _

Total: \$ 338,684.00 __

Description of Services ("work"): Removal and replacement of concrete curb, gutter, driveways, and other street-related concrete improvements along with asphalt and concrete street patching. Exact location of replacement(s) to be identified by City staff.

Location of Services: Various Locations within the City of NRH

Date of Completion: 30 Days from Notice to Proceed Date

Cost of Services:

This Scope of Work for the services described above is governed by and incorporated into the Contract. The parties hereby agree that the work to be performed shall be completed no later than the Completion Date indicated herein. If the work is not timely completed, the City shall have the right to exercise any and all remedies set forth in the Contract Documents and in accordance with applicable law.

ACCEPTED AND AGREED:

CITY OF NORTH RICHLAND HILLS

By: _____

Boe Blankenship, Director of Public Works

Date: _____

By: _____

Name, Project Manager

Date: _____

WESTHILL CONSTRUCTION, INC.

By: Angela Reynolds
President

Name, Title

Date: 1/22/25

By: Angela Reynolds

Name, Authorized Representative

Date: 1/22/25

SPECIAL CONDITIONS

1. OWNER AND CONTRACTOR

The Owner and Contractor are those persons or organizations identified as such in the Agreement and are referred to throughout the contract documents as if singular in number and masculine in gender.

The Project Manager shall be understood to represent the Owner. The duties, responsibilities and limitations of authority of the Project Manager as the Owner's representative during construction are as set forth in the contract documents and shall not be extended or limited without written consent of the Owner.

It is understood and agreed that the Contractor has, by careful examination, satisfied himself as to the nature and location of the work, the character, quality and quantity of the materials, equipment and facilities needed during the prosecution of the work, the general and local conditions, and all other matters which can in any way effect the work under this contract. No verbal agreement or conversation with any officer, agent or employee of the City either before or after the execution of this contract shall effect or modify any of the terms or obligations herein contained.

2. CONTRACT DOCUMENTS

The contract documents shall be those documents identified and set forth in the Construction Agreement.

3. SUB-CONTRACTOR

The term Sub-Contractor, as employed herein, shall include any third party having a direct contract or other agreement with the Contractor to perform work or provide services and who performs or provides services according to the plans or specifications of the work, but shall not include one who merely furnishes material.

4. WRITTEN NOTICE

Written notice shall be deemed to have been duly served if delivered in person to the individual or to a member of the firm or to an officer of the Corporation for whom it is intended or if delivered at or sent by regular mail to the last business address known to him who gives the notice.

5. WORK

The Contractor is responsible for compliance with local, state, and federal regulations. Contractor to provide and pay for all materials, supplies, machinery, equipment, tools, superintendence, labor, services, insurance, and all water, fuel, transportation and other facilities necessary for the execution and completion of the work covered by the contract documents. All materials shall be new and workmanship shall be of a good quality. The Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials. Materials or work described in words that so applied have a well-known technical or trade meaning shall be held to refer to such recognized standards.

6. SITE OBSERVATION BY PROJECT MANAGER/OWNER'S REPRESENTATIVE

The Project Manager/Owner's Representative shall make periodic visits to the site to familiarize him or her with the progress of the executed work and to determine if such work meets the requirements of the specifications and contract documents.

Any review of work in progress, or any visit or observation during construction by the Project Manager/Owner's Representative is agreed by the Contractor to be for the purpose of observing the extent and nature of work completed or being performed, as measured against the drawings and specifications constituting the contract, or for the purpose of enabling Contractor to more fully understand the plans and specifications so that the completed construction work will conform thereto, and shall in no way relieve the Contractor from full and complete responsibility for the proper performance of his work on the project.

Deviation by the Contractor from plans and specifications that may have been in evidence during any such visitation or observation by the Project Manager/Owner's representative, whether called to the Contractor's attention or not shall in no way relieve the Contractor from his responsibility to complete all work in accordance with said plans and specifications.

7. PROGRESS PAYMENTS FOR WORK

Public Works shall review Contractor's applications for payment and supporting data, determine the amount owed to the Contractor and approve, in writing, payment to Contractor. Within the following thirty (30) days, OWNER shall make partial payments to the CONTRACTOR for work performed during the preceding calendar month as estimated by the OWNER or OWNER's Representative.

It is understood that the monthly estimates shall be approximate only, and all monthly estimates and partial payments shall be subject to correction in the estimate rendered following the discovery of an error in any previous estimate, and such estimate shall not in any respect be taken as an admission of the OWNER of the amount of work done or of its quality or sufficiency nor as an acceptance of the work or the release of the CONTRACTOR of any of its responsibility under the Contract.

8. CONTRACTOR'S DUTY AND SUPERINTENDENCE

The Contractor shall give adequate attention to the faithful prosecution and completion of this contract and shall keep on the work, during its progress, a competent superintendent and any necessary assistants. The superintendent shall represent the Contractor in his absence and all directions given to him shall be as binding as if given to the Contractor.

The Contractor is and at all times shall remain an independent contractor, solely responsible for the manner and method of completing his work under this contract, with full power and authority to select the means, method and manner of performing such work, so long as such methods do not adversely affect the completed improvements. Likewise, the Contractor shall be solely responsible for the safety of himself, his employees and other persons, as well as for the protection of the safety of the improvements being erected and the property of himself or any other person, as a result of his operations hereunder.

Contractor shall be fully and completely liable, at his own expense, for design, construction, installation and use, or non-use, of all temporary supports, shoring, bracing, scaffolding, machinery or equipment, safety precautions or devices, and similar items or devices used by him during construction.

9. UTILITY CONFLICTS

It is the Contractor's responsibility to make arrangements with the owners of such underground facilities

prior to working in the area to confirm the locations and to determine whether any additional facilities may be present. Contractor shall preserve and protect all underground facilities.

<u>UNDERGROUND FACILITY OWNER</u>	<u>TELEPHONE NUMBER</u>
ATMOS	811
ONCOR	811
AT&T	811
City of North Richland Hills Water/Sewer	817.427.6440
Charter Cable	811

10. WATER FOR CONSTRUCTION

The CONTRACTOR shall make the necessary arrangements for securing and transporting all water required in the construction, including water required for mixing of concrete, sprinkling, testing, flushing or jetting. The CONTRACTOR may remit the City a deposit for a fire hydrant water meter; additionally, the CONTRACTOR will be billed for the water used on the construction of this contract and measured by such fire hydrant meter. Additionally, the cost of any temporary pipe line, metering or other equipment which may be necessary to make use of such fire hydrant water meter and water, shall be considered as incidental to the work and payment therefore shall be included in the various bid items of the proposal. If the CONTRACTOR chooses to use such fire hydrant water meter, he/she shall assume full responsibility for it and return it in the same or similar condition as received otherwise the CONTRACTOR will not be returned his/her deposit.

11. TRAFFIC CONTROL

The CONTRACTOR shall prosecute his traffic control work in such a manner as to create a minimum of interruption to traffic and pedestrian facilities and to the flow of vehicular and pedestrian traffic within the project area. All traffic control devices used during construction shall meet the standards utilized in the MUTCD.

Access to adjacent property shall be maintained at all times unless otherwise approved by the OWNER.

12. PROSECUTION OF CONSTRUCTION

The CONTRACTOR will, unless otherwise approved by the Owner, prosecute the construction of this project during normal working hours as defined below:

- A. Normal Work Day shall mean the normal eight (8) hour working day between the hours of 8:00am and 5:00pm
- B. Normal Work Week shall mean the forty (40) hour work week encompassing the five (5) eight-hour days, Monday through Friday.
- C. Holidays to be observed and to be included into the normal work week will be:
 - New Years' DayJanuary 1st
 - MLK Day Third Monday in January
 - Memorial Day.....Last Monday in May
 - Independence DayJuly 4th
 - Labor Day.....First Monday in September

Thanksgiving HolidayFourth Thursday in November and the
following Friday

Christmas HolidayDecember 24th & December 25th

If any of the above dates falling on a Sunday shall be observed on the following Monday.

- D. If the Contractor wishes to work more than thirty minutes per day overtime, approval **must be acquired from the Public Works Department 24 hours in advance and the** Contractor must agree to pay the City for the inspector's time at the rate of seventy-five dollars (\$75.00) per hour. If the Contractor arranges to work on a weekend and for any reason does not or cannot work, he will be responsible for a minimum of two hours pay for the inspector.

13. INSPECTION AND TESTING

The CONTRACTOR shall be responsible for paying for all testing and testing related items (acquiring specimens, proper specimen control, etc.) on this Project. During the progress of the work, all materials, equipment and workmanship shall be subjected to such inspections and tests as will assure conformance with the contract requirements. The CONTRACTOR shall furnish at his/her expense all necessary specimens and samples for testing.

Sampling and testing of all materials or construction methods shall be performed by a commercial laboratory, approved by the Engineer, and permitted with the City of North Richland Hills' Public Works Department.

Concrete Testing Services provided shall include but are not limited to the following:

- a. Analysis of Aggregates
- b. Decantation Tests
- c. Slump and Air Content Tests
- d. Flexural or Compressive Strength Tests

14. CHARACTER OF WORKERS

The Contractor agrees to employ only orderly and competent workers, skillful in the performance of the type of work required under this contract; and agrees that whenever the Owner shall inform him in writing that any worker or workers on the work site, in Owner's opinion, are incompetent, unfaithful or disorderly, such worker or workers shall be discharged from the work and shall not again be employed on the work without the Owner's written consent.

15. PRELIMINARY APPROVAL

The Project Manager shall not have the power to waive the obligations of this contract for the furnishing of good material, or of his performing good work as herein described in full accordance with the plans and specifications. No failure or omission of the Project Manager to discover, object to or condemn defective work or material shall release the Contractor from obligations to fully and properly perform the contract, including without limitations, the obligation to at once tear out, remove and properly replace the same at any time prior to final acceptance upon discovery of said defective work or material; provided, however, that the Project Manager shall, upon request of the Contractor, inspect and accept or reject any material furnished.

Any questioned work may be ordered taken up or removed for re-examination by the Project Manager prior to final acceptance. If found not in accordance with the specifications for said work, all expense of removing, re-examination and replacement shall be borne by the Contractor.

16. DEFECTS AND THEIR REMEDIES

It is further agreed that if the work or any material brought on the job site for use or selected for use, shall be deemed by the Project Manager as unsuitable or not in conformity with the specifications, the Contractor shall, after receipt of written notice from the Project Manager, remove such material immediately and rebuild or otherwise remedy such work in accordance with the timeline determined by the City so that it shall be in full accordance with this contract.

17. CHANGE ORDERS

The Contractor further agrees that the Owner may make such changes and alterations as the Owner may see fit in the form, dimensions, plans or materials for the work herein contemplated, or any part thereof, either before or after beginning of the construction, without affecting the validity of this contract and the accompanying Performance and Payment Bonds.

It is agreed that the quantities of work to be done at unit prices and materials to be furnished may be increased or diminished as may be considered necessary, in the opinion of the project Manager, to complete the work fully as planned and contemplated. All work is to be performed as provided for in the specifications. The Owner reserves the right to increase or decrease the amount of work to be done by any amount not to exceed twenty-five percent (25%) of the original contract amount. The Contractor shall submit a bid in writing to the Project Manager for approval of the work requested. The Owner reserves the right to reject the Contractor's bid on such extra work and secure such work to be done other than by said Contractor.

If the Owner approves the bid for the requested change in work, a change order will be executed. All change orders shall be approved in writing by the North Richland Hills' designated representative prior to work being executed. If the change order results in an increase in the Contract Price that is \$50,000 or more, such change order shall require formal approval of the City Council.

18. KEEPING OF PLANS AND SPECIFICATIONS ACCESSIBLE

The Owner shall furnish the Contractor with an adequate and reasonable number of copies of all plans and specifications without expense to him. The Contractor shall keep one copy of the same constantly accessible on the work with the latest versions noted thereon.

19. OWNERSHIP OF DRAWINGS

All drawings, specifications and copies furnished by the Project Manager shall not be reused on other work with the exception of the signed contract sets, are to be returned to him on request at the completion of work.

20. RIGHT OF ENTRY

The Owner reserves the right to enter the property or location on which the work herein contracted for are to be constructed or installed, by such agent or agents as he may elect, for the purpose of inspecting the work, or for the purpose of constructing or installing such collateral work as said Owner may desire.

21. DISCREPANCIES AND OMISSIONS

In the event of any discrepancies between the separate contract documents, the priority of interpretation defined under "Contract Documents" shall govern. In the event there is still any doubt as to the meaning and intent of any portion of the contract, specifications or drawings, the Project Manager, after consultation with the City Attorney, shall define which is intended to apply to the work.

22. EQUIPMENT AND MATERIALS

The Contractor shall be responsible for the care, preservation, and protection of all materials, supplies, machinery, equipment, tools, apparatus, accessories, all means of construction, and any and all parts of the work, whether the Contractor has been paid, partially paid, or not paid for such work until the entire work is completed and accepted.

23. PROTECTION AGAINST ACCIDENT TO EMPLOYEES AND THE PUBLIC

The Contractor shall at all times exercise reasonable precautions for the safety of employees and others on or near the work and shall comply with all applicable provision of Federal, State, and Municipal safety laws, building and construction codes. The Contractor shall provide such machinery guards, safe walkways, ladders, bridges, gangplanks, and other safety devices. The safety precautions actually taken and their adequacy shall be the sole responsibility of the Contractor, acting at his discretion as an independent contractor.

24. LOSSES FROM NATURAL CAUSES

Unless otherwise specified, all loss or damage to the Contractor arising out of the nature of the work to be done, from the action of the elements, from any unforeseen circumstances in the prosecution of the same, from any unusual obstructions or difficulties which may be encountered in the prosecution of the work shall be sustained and borne by the Contractor at his own cost and expense.

25. PROTECTION OF ADJOINING PROPERTY

Contractor shall take proper means to protect all adjacent or adjoining properties in any way encountered which might be injured or seriously affected by any process of construction to be undertaken under the Agreement. Contractor shall be liable for any and all claims for such damage on account of his failure to fully protect all adjoining property. The Contractor agrees to indemnify, save and hold harmless the Owner and Project Manager against any claim or claims for damages due to the injury to any adjacent or adjoining property arising or growing out of performance of the contract. Any such indemnity shall not apply to any claim of any kind arising out of the existence or character of the work, if such damage is caused by Owner or Project Manager.

26. LAWS AND ORDINANCES

The Contractor shall at all times observe and comply with all Federal, State and local laws, ordinances and regulations, which in any manner effect the contract or the work. If the Contractor observes that the plans and specifications are at variance therewith, he shall promptly notify the Project Manager in writing, and any necessary changes shall be adjusted as provided in the contract for changes in the work. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Project Manager, he shall bear all costs arising there from.

27. ASSIGNMENT AND SUBLETTING

The Contractor further agrees that he will retain personal control and will give his personal attention to the fulfillment of this contract and that he will not assign by Power of Attorney, or otherwise, or sublet said contract without the written consent of the Owner. The Contractor further agrees that the subletting of any portion or feature of the work, or material required in the performance of this contract, shall not relieve the Contractor from his full obligations to the Owner, as provided by this Agreement.

28. INDEMNIFICATION / PROTECTION AGAINST CLAIMS

The City shall not be liable or responsible for, and shall be saved and held harmless by Contractor from and against any and all suits, actions, losses, damages, claims, or liability of any character, type or description, including claims for copyright and patent infringement, and including all expenses of litigation, court costs, and reasonable attorney's fees for injury or death to any person, or injury to any property, received or sustained by any person or persons or property, arising out of, or occasioned by, directly or indirectly, the performance of Contractor under this agreement, , without; however, waiving any governmental immunity available to the City under Texas law and without waiving any defenses of the parties under Texas law. The provisions of this indemnification are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity.

The Contractor shall defend, indemnify and hold harmless the Owner and respective officers, agents and employees, from and against all damages, claims, losses, demands, suits, judgments and costs, including reasonable attorneys' fees and expenses, arising out of or resulting from the performance of the work provided that any such damages, claim, loss, demand, suit, judgment, cost or expense:

1) Is attributable to bodily injury, sickness, disease, death or injury to or destruction of tangible property, including the loss of use and,

2) Is caused in whole or in part by any negligent act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by anyone of them or anyone for whose acts any of them may be liable.

29. WORKERS COMPENSATION INSURANCE

As required by the Texas Workers' Compensation Commission Rule 28, 110.110, the Contractor shall also carry worker's compensation insurance. The Contractor's failure to comply with any of the provisions of this Rule will be considered a material breach of contract by the Contractor. The City will have the right to declare the contract void if the Contractor does not remedy the breach within ten calendar days after receipt of notice of breach from the City.

The successful Contractor must provide a certificate of coverage to the City prior to being awarded the contract. If the coverage period shown on the Contractor's current certificate of coverage ends during the duration of the project, the Contractor must file a new certificate of coverage with the City Purchasing Division showing coverage has been extended. The Contractor shall obtain from each sub-contractor providing services on the project a certificate of coverage, prior to that person beginning work on the project. Sub-contractor certificates must also be submitted to the Purchasing Division.

30. WAGE RATES

The successful contractor shall be required to comply with Chapter 2258 of the Texas Government Code with respect to the payment of prevailing wage rates. Chapter 2258 states contractors and subcontractors shall not pay less than the prevailing wage rate to all laborers, workmen, and mechanics employed by them in the execution of the contract. Contractors should familiarize themselves with the entire provision of this law and the penalties provided for its violation before submitting their bids.

No portion of this provision shall be construed to prohibit the payment of more than the stated wage rate to any laborer, workman or mechanic employed on the project. It shall be the responsibility of the Contractor to maintain an adequate work force whether higher wages are required or not.

The State of Texas has adopted the Federal Davis-Bacon wage rates for the use in Texas pursuant to and in accordance with the Texas Government Code, Section 2258.022. The U.S. Department of Labor web site may be accessed at www.access.gpo.gov to obtain the appropriate wage rates to be used in Tarrant County, Texas.

It shall be the responsibility of the successful contractor to obtain the proper wage rates for Tarrant County for the type of work defined in the bid specifications.

The City will audit the contractor and all sub-contractors employed by contractor to ensure they are paying the prevailing wage rate weekly. Contractor and all sub-contractors must submit certified payrolls on a weekly basis per the [Contractor's Application](#) that must be filed prior to bidding. In the event an audit is performed, the contractor shall be required to supply a certified copy of the records showing the prevailing wage rates have been met.

31. TIME AND ORDER OF COMPLETION

It is the meaning and intent of this contract, unless otherwise herein specifically provided, that the Contractor shall be allowed to prosecute his work at such times and seasons, in such order of precedence, and in such manner as shall be most conducive to economy of construction; provided, however, that the order and the time of prosecution shall be such that the work shall be substantially completed as a whole and in part, in accordance with this contract, the plans and specifications, and within the time of completion designated in the Proposal and each Scope of Work.

The Contractor shall submit, at such times as may reasonably be requested by the Project Manager, schedules which shall show the order in which the Contractor proposes to carry on the work, with dates at which the Contractor will start the several parts of the work, and estimated dates of completion of the several parts.

32. EXTENSION OF TIME

Contractor shall give the Project Manager immediate notice in writing of any delay in completion of project. If the Owner decides an extension of time is justified, the Project Manager shall issue a written extension of time for completing the work specifying the date by which the work shall be completed. Such extension shall be sufficient to compensate Contractor for the delay.

33. LIQUIDATED DAMAGES FOR FAILURE TO COMPLETE WORK ON TIME

The Contractor agrees that, from the compensation otherwise to be paid, the Owner may retain the sum of Five Hundred Dollars (\$500.00) (daily liquidated damages rate) for each calendar day after the agreed Date of Completion that the work remains incomplete, this is based on the NCTCOG Specifications 108.8, Schedule 108.8.1.(a) Liquidated Damages. Both parties have had the opportunity to assess the basis upon which the daily liquidated damages rate is based, and such rate is agreed upon as the proper measure of liquidated damages that represents a reasonable and fair estimate of damages which the Owner will sustain per diem by the failure of the Contractor to complete the work at the time stipulated in the contract. This sum is not to be construed in any sense as a penalty. The written acceptance of this calculation, which is separately agreed to by the parties, shall be incorporated into this contract.

34. PRICE OF WORK

The Owner agrees to pay the Contractor for furnishing of all necessary labor, equipment and material, and the satisfactory completion of all work, the prices set forth in the Proposal hereto attached, and an amount not exceeding the Contract Price, which has been made a part of this contract. All materials embraced in the completion of this Contract must be in full conformity with the specifications and stipulations herein contained.

35. USE OF COMPLETED PORTIONS

The Owner shall have the right to take possession of and use any completed or partially completed portions of the work, and use shall not be deemed an acceptance of any work not completed in accordance with the contract documents.

The Contractor shall notify the Project Manager when, in the Contractor's opinion, the contract is "substantially completed" and when so notifying the Project Manager, the Contractor shall furnish to the Project Manager in writing a detailed list of unfinished work. The Project Manager will review the Contractor's list of unfinished work and will add thereto such items as the contractor has failed to include. The "substantial completion" of the structure or facility shall not excuse the Contractor from performing all of the work undertaken, whether of a minor or major nature, and thereby completing the structure of facility in accordance with the contract documents.

36. DEFAULT / PAYMENTS WITHHELD

Owner may declare Contractor in default of this Contract in the event Contractor fails to comply with the terms and conditions set forth in this Contract or any of the Contract Documents. In addition, the Owner may, on account of subsequently discovered evidence, issue a stop work order, withhold payment, withhold or nullify any certificate to such extent as may be necessary to protect himself from loss, and/or declare Contractor in default on account of any of the following:

- (1) Defective work not remedied.
- (2) Claims filed or reasonable evidence indicating probable filing of claims.
- (3) Failure of the Contractor to make payments properly to Sub-Contractors or for material or labor.
- (4) Damage to another contractor.
- (5) Reasonable doubt that the work can be completed for the unpaid balance of the contract amount.
- (6) Reasonable indication the work will not be completed within contract time.

When the above grounds are removed or the Contractor provides a Surety Bond satisfactory to the Owner, which will protect the Owner in the amount withheld, payment shall be made for amounts withheld because of them.

37. TIME OF FILING CLAIMS

It is further agreed by both parties hereto that all questions of dispute or adjustment presented by the Contractor shall be in writing and filed with the Project Manager within ten (10) days after the Project Manager has given any directions, order or instruction to which the Contractor desires to take exception. The Project Manager shall reply within ten (10) days to such written exceptions by the Contractor and render his final decision in writing.

38. ABANDONMENT BY CONTRACTOR

If the Contractor shall fail to commence work within ten (10) calendar days after written notice to commence is served on Contractor or if the Contractor stops work or fails to pursue work in a timely fashion and fails to resume and pursue work in a timely fashion within ten (10) calendar days of a written notice of work stoppage or failure to pursue work in a timely fashion, or if the Contractor fails to comply with orders consistent with the contract documents, the Owner may declare the Contractor in default and the contract abandoned, and direct the surety on the performance bond with a written notice to complete the work. A copy of the notice to the surety shall be served on the Contractor.

After receiving the notice of abandonment, the Contractor shall not remove any materials or supplies from the job site.

After the contract is declared abandoned, the Owner shall be entitled to pursue any legal remedy and to seek damages for breach of contract from the Contractor and, to the extent that it fails to honor its obligations under the performance bond, from the surety on the bond.

39. DURATION OF AGREEMENT AND PRICE ADJUSTMENTS

The successful bidder will be awarded a twelve (12) month agreement effective the date of award. Prices are to remain firm for the twelve (12) month agreement period. At the City's option, the agreement may be renewed for four (4) additional twelve (12) month periods at a price proposed by the contractor. The Contractor shall submit the renewal proposal with price changes and justification to the Purchasing Department at least sixty (60) days before the expiration of the current agreement. Increase in contract pricing shall not exceed the consumer price index of the Dallas/Fort Worth standard metropolitan statistical for the previous twelve (12) month period or 5%, whichever is less. Renewal shall be at the sole discretion of the City of North Richland Hills departments utilizing the contract. All areas of non-conformance shall be submitted in writing to the Purchasing Manager and must be corrected within 10 days from date of notification. After three non-conformance complaints the contract may be subject to cancellation.

The quantities listed are estimated quantities using the best information available. The City reserves the right to choose the items that will be purchased and to purchase more than or less than the quantities listed.

40. SUBCONTRACTORS

Any subcontractor who furnishes labor or materials to fulfill an obligation to Contractor under this Contract or who performs all or part of the work required by this Contract, must comply with all notice and filing requirements of Texas Property Code, Chapter 53 in order to perfect a mechanic's, contractor's or materialman's lien. If a subcontractor complies with Chapter 53 of the Texas Property Code, Owner shall be authorized to withhold payment from the Contractor for payment of the claim. Owner shall release any such payment to the Contractor upon written notice and sufficient documentation to Owner from subcontractor that the claim has been paid or otherwise settled.

SPECIFICATIONS

- A. The Contractor shall provide and pay for all materials, supplies, machinery, equipment, tools, traffic control devices, superintendence, labor, services, insurance, and all water, fuel, transportation and other facilities necessary for the execution and completion of the work covered by the contract documents and the specified Scope of Work. All materials shall be new and workmanship shall be of a good quality. The Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials.
- B. Contractor agrees that the City of North Richland Hills Public Works Department has the right to make all final determinations as to whether the work has been satisfactorily completed and meets all specifications.
- C. Means/Productivity for Contractor
- | | | |
|----------------------|-----------------------------|-------|
| Sidewalk | 100 Linear Feet (4 Ft Wide) | 1 Day |
| Driveway (Single) | 2 Each | 1 Day |
| Driveway (Double) | 2 Each | 1 Day |
| Handicap Ramp | 2 Each | 1 Day |
| Curb/Gutter | 100 Linear Feet | 1 Day |
| Concrete Pavement | 2,500 Square Feet | 1 Day |
| Valley Pan (Half) | 2 Each | 1 Day |
| Valley Pan (Whole) | 1 Each | 1 Day |
| Backfill/Wreck Forms | 1 Each | 1 Day |
| Asphalt Paving | 1 Each | 1 Day |
- D. All construction work shall be inspected by the Public Works Department. No portland concrete or asphalt shall be placed until an inspection is done by the Public Works Department. If the contractor fails to have the work inspected before the concrete/asphalt is in place, the contractor shall remove the concrete/asphalt at the contractor's expense.
- E. All construction work shall be in accordance with the City of North Richland Hills Public Works Design Manual and the Standard Specifications for Public Works Construction for the North Central Texas (North Central Texas Council of Governments) Design Manual. The contractor shall meet all specifications as outlined by these two manuals.
- F. Curb and gutter or any other type of concrete repair that is constructed by the Contractor, which pond water more than 1/4-inch in depth shall be removed and replaced at the sole expense of the Contractor, including all labor and materials. At locations where grade (fall) is critical, the Contractor will be allowed (and encouraged) to test the flow of gutter lines with a small amount of water prior to the concrete attaining a final set. Grinding to eliminate ponding will be allowed on a very limited basis. Contractor will not be allowed to use grout or other concrete patch matching material to correct grade breaks or to refinish exposed concrete aggregate.
- G. Forms shall remain in place a minimum of two days after placing of concrete. Once forms are removed, the area surrounding or abutting the new concrete shall be backfilled within 24- hours.

- H. The Contractor shall be responsible for all costs to construct pay items and must furnish their own dump site for waste material removed.
- I. The contractor is responsible for all property restoration (yards, street right-of-way's). This includes backfilling, top-soil, grass, mail boxes, irrigation systems, sprinkler heads, sign posts, signs or any other structures located on property or in the street right-of-way. No separate pay for restoration.
- J. Backfill material and top-soil shall be approved by the Public Works Department. The contractor is responsible for readjustment of sprinkler heads, mailboxes or any landscaping to match new grades at the repair site.
- K. The yard or street right-of-way's shall be restored to the original condition or better using sod of the same type grass that was removed from that area. All spoil dirt shall be removed from the surrounding area. The new sod shall be laid edge to edge to give full coverage unless property owner request gaps be left between the sod pads. Cut-in edges of pads to match existing ground elevations. The new sod pads shall be laid brick layer staggered fashion to prevent erosion.
- L. If yard restoration occurs during the non-growing months of November to March, a winter grass such as rye shall be planted to hold the soil. The Contractor shall complete the yard restoration by planting the new sod in the month of April. Working day charges will be stopped when the project is substantially complete, but two percent (2%) of the contract price will be retained until new sodding and yard restoration is complete. If sodding and yard restoration is not completed by April 15, working day charges will be resumed on April 16, and will continue until yard restoration is complete.
- M. If yard is equipped with an irrigation system, caution should be taken to preserve the system. The contractor shall verify irrigation is in good working order prior to commencement of work. After work begins, it will be the responsibility of the Contractor to repair or replace all broken parts that were not previously identified and have the owner test the repaired system. No direct payment shall be made for the yard restoration. All irrigation damages, repairs or relocations shall be done by a licensed irrigation company or person. No separate pay for irrigation repair.
- N. Impervious membrane curing compound shall be applied uniformly to the concrete promptly after the surface water sheen has disappeared. The membrane shall be in one application at a rate of not less than that recommended by the manufacturer. The concrete surface to which membrane curing compound has applied shall be protected from abrasions or damage, which results in perforation of the membrane film during the first seventy-two (72) hours after application.
- O. No direct payment shall be made for furnishing and applying curing compound. Payment shall be included in the price bid for related items.
- P. Contractor shall be responsible for supplying and replacing the barricades and shall conform to the Manual on Uniform Traffic Control Devices (MUTCD). No direct payment shall be made for the supplying and replacing of barricades. Payment shall be included in the unit price bid for related items.
- Q. The Contractor shall repaint curb addresses on the new curb returns, if the addresses were painted on the old driveway curb returns. Paint color and/or size shall match original. No direct payment shall be made for painting curb addresses.
- R. All concrete and asphalt adjacent to the repair site will be saw cut as marked by the Public Works Department. Asphalt will be saw cut to create a repair so that once the asphalt is excavated and replaced a match will be made to the new grade of the repair. All pavements will be saw cut to a minimum of 4 inches in depth. The greater the change in grade of the repair, the more saw cutting of the pavement will be required.

- S. It is the contractor's responsibility to minimize sediment travel onto adjacent property or streets. Erosion control must be in place as shown on the plans or as directed by the Public Works Supervisor. The erosion control is to be maintained until sod has been established.
- T. The contractor shall remove all excess spoils from the road. There will be no overnight stock piling of materials either new or spoiled within the Public Rights of Way without prior approval.
- U. Contractor shall excavate 6 inches of material for each asphalt repair (cold mix, flexbase), install 4 inches of CTB (concrete treated base) and final 2 inches of asphalt. Contractor shall compact each level of material before the next level of material is installed.
- V. Contractor shall use a 3-ton steel drum roller to compact final asphalt surface.

Explanation of Bid Items

ITEM 1: REMOVE AND REPLACE VALLEY GUTTER

Saw-cut and remove existing valley gutter and construct new Class A (3,000 psi-28 day) concrete valley gutter to city standards. See detail _____.

MEASUREMENT AND PAYMENT: Payment for this item shall be at the contract unit price “per square foot” valley gutter removed and replaced, and shall include all materials, equipment, labor, tools, and incidentals necessary to complete the work, including pavement saw cuts. The payment for curbs on valley gutters to be included in the unit price bid for valley gutters based on the top of curb area in square feet.

ITEM 2 : REMOVE AND REPLACE REINFORCED 4” CONCRETE SIDEWALK

Saw-cut and remove existing sidewalk and construct new 4" and 5" thick concrete sidewalk. Reinforced concrete sidewalks, including reinforcing steel, shall be constructed in accordance with City details. Reinforced concrete paving shall be constructed with 3,000 psi Class “A” Portland Cement Concrete. One (1”) inch thick layer of cushion sand under the sidewalk is subsidiary to the unit price of the sidewalk. Light broom finish will be required.

The Contractor shall be responsible to ensure all sidewalk construction is in accordance with the Americans with Disabilities Act (ADA) and Texas Accessibility Standards (TAS). Any portions of sidewalks which are constructed and do not meet the requirements of ADA and TAS will be required to be removed and replaced at the Contractor’s Expense.

MEASUREMENT AND PAYMENT: Payment for this item shall be at the contract unit price “per square foot” of sidewalk removed and replaced, and shall include all materials, equipment, labor, tools, and incidentals necessary to complete the work, including pavement saw cuts.

ITEM 3: CONSTRUCT BARRIER-FREE CURB RAMP

Saw-Cut and remove existing curb & gutter and sidewalk as required and construct new concrete barrier-free ramp. Concrete for curb ramps shall be constructed with 3,000 psi Class “A” Portland Cement Concrete with 5 sacks of cement per cubic yard, with a maximum slump of 5 inches. Rebar shall be #3 bars spaced at 18” o.c.e.w. Finished concrete shall have light broom finish.

The Contractor shall be responsible to ensure all barrier free ramp construction is in accordance with the Americans with Disabilities Act (ADA) and Texas Accessibility Standards (TAS). Any portions of the barrier free ramp which are constructed and do not meet the requirements of ADA and TAS will be required to be removed and replaced at the Contractor’s Expense. When needed, prefabricated truncated dome mats will be used for the detectible warning surface. Pavers are not allowed.

MEASUREMENT AND PAYMENT: Payment for this item shall be on a “per-each” basis furnished and installed and shall include all concrete, reinforcement, formwork, truncated domes, monolithic

curb, labor, materials, and incidentals necessary to complete the work per provided details. Includes saw cuts.

ITEM 4: REMOVE AND REPLACE CONCRETE CURB AND GUTTER

Where removal cannot be terminated at a joint, a saw cut shall be made at no extra cost to the Owner. Any existing reinforcing steel, extending from the concrete which is not removed into that which is removed, shall be retained for a length of 30 diameters into the new concrete.

The CONTRACTOR shall exercise appropriate care not to damage other improvements in the process, and the CONTRACTOR shall be responsible for correction of any such damage caused during the removal process. All material removed shall become the property of the CONTRACTOR and be disposed in accordance with local, state and federal guidelines.

Saw-cut and remove existing curb & gutter and construct new Class A (3,000 psi-28 day) concrete curb & gutter. Concrete curb and gutter shall be constructed in accordance with Item 305.1 of the COG Specifications and City Specifications (see Figure 2P) and shall consist of a 6-inch wide by 6-inch tall concrete curb and either 18-inch or 24-inch wide gutter section, to match the existing gutter width. Finished concrete shall have light broom finish.

MEASUREMENT AND PAYMENT: Measurement and Payment for this item shall be at the contract unit price per linear foot, as measured along the face of the curb or the gutter line and shall include the cost of saw cutting complete in place and include all removal, haul-off, concrete, reinforcing steel, form work, required joint work, expansion material, approved elastomeric joint seal material, and other incidentals.

ITEM 5: REMOVE AND REPLACE DRIVEWAY FLOW LINE

Saw-cut and remove existing driveway flow line and construct new Class A (3,000 psi-28 day) concrete driveway flow line.

MEASUREMENT AND PAYMENT: Measurement and Payment for this item shall be at the contract unit price per linear foot, as measured along driveway flowline and shall include the cost in place of all saw cutting, removal, haul-off, concrete, reinforcing steel, form work, required joint work, expansion material, approved elastomeric joint seal material, and other incidentals.

ITEM 6: REMOVE AND REPLACE DRIVEWAY APPROACH

Saw-cut and remove existing driveway approach and construct new Class A (3,000 psi-28 day) concrete driveway approach. Limit of driveway approach is from the street asphalt concrete pavement to the property line. Finished concrete shall have light broom finish.

MEASUREMENT AND PAYMENT: Measurement and Payment for this item shall be at the contract unit price per linear foot, as measured along driveway flowline and shall include the cost in place of all saw cutting, removal, haul-off, concrete, reinforcing steel, form work, required joint work, expansion material, approved elastomeric joint seal material, and other incidentals.

ITEMS 7 - 8: REMOVE AND REPLACE CONCRETE PAVEMENT 6" & 8" INCH THICK

Saw-cut and remove existing pavement and construct new Class A (3,600 psi- 28 day) concrete pavement. Finished concrete shall have light broom finish. The finished concrete pavement construction under these specifications is expected to meet certain quality standards for surface of the concrete including the durability, texture, riding surface and appearance.

The surface must be durable, firm, dense and well bonded to the aggregate to maintain an appearance and texture that is satisfactory to the Owner. Concrete pavement having a poor surface that has spalled (exposed aggregate) due to poor quality paste, high water-cement ratio, over-vibration, improper curing, extreme weather or any other reason, or does not have a satisfactory riding surface shall be removed and replaced at the Contractor's expense. It is extremely important that the pavement have a good riding surface, free from undulations and rough joints.

MEASUREMENT AND PAYMENT: Measurement and Payment for this item shall be at the contract unit price per square foot, complete in place and include all saw cutting, removal, haul-off, concrete, monolithic curb, reinforcing steel, required joint work, expansion material, approved elastomeric joint seal material, and other incidentals. Measurement and payment by the square foot for concrete pavement shall be made to the back of curbs. No separate payment shall be provided for monolithic curb or extra thickness of concrete pavement placed.

ITEM 9: REMOVE AND INSTALL ASPHALT PATCHING

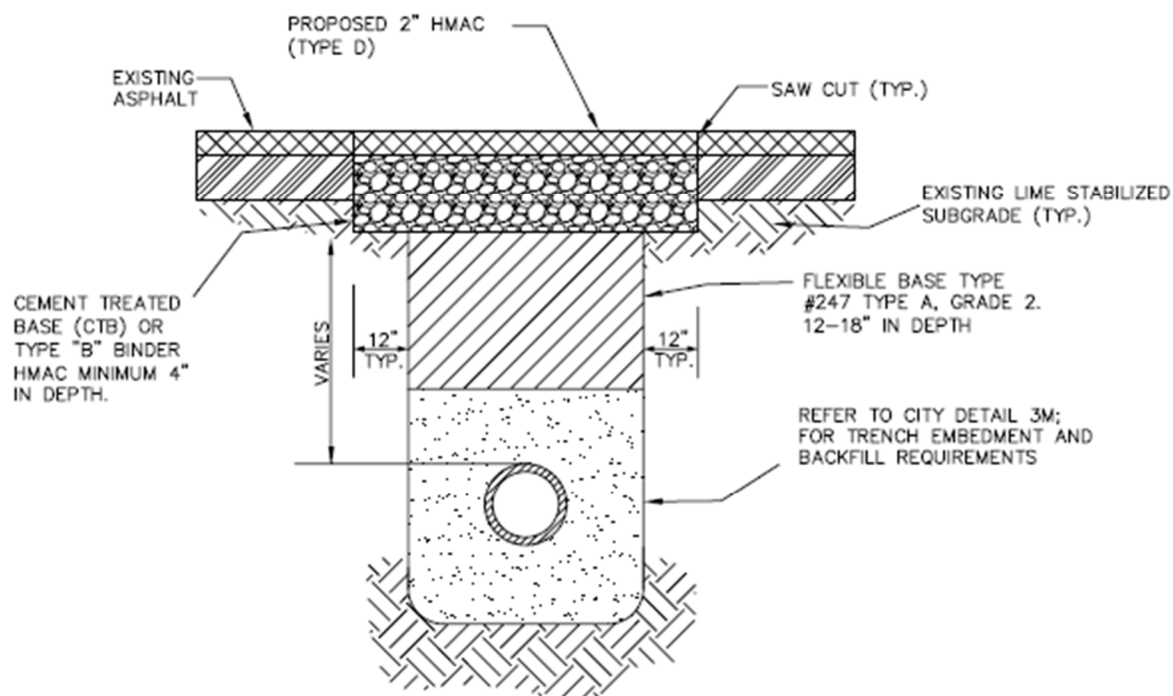
Excavate 6 inches of material for each asphalt repair (cold mix, flexbase), install 4 inches of CTB (concrete treated base) or place 4 inches of Type "B" Binder with a waiting period of 4 hours minimum then place final 2 inches of asphalt. Contractor shall compact each level of material before the next level of material is installed. The final pavement is expected to meet quality standards for the transitions and the Utility Street Cut asphalt pavement replacement detail (Figure 15P-3).

MEASUREMENT AND PAYMENT: Measurement and Payment for this item shall be at the contract unit price per square foot, complete in place and include all saw cutting, removal, haul-off of spoils, CTB (concrete-treated-base) or Type B Binder. Measurement and payment by the square foot for asphalt pavement.

ITEM 10: MINIMUM FEE PER WORK ORDER

Minimum mobilization fee per work order provided by the City.

MEASUREMENT AND PAYMENT: There will not be a measurement for this item.



TYPICAL STREET SECTION

NOT TO SCALE

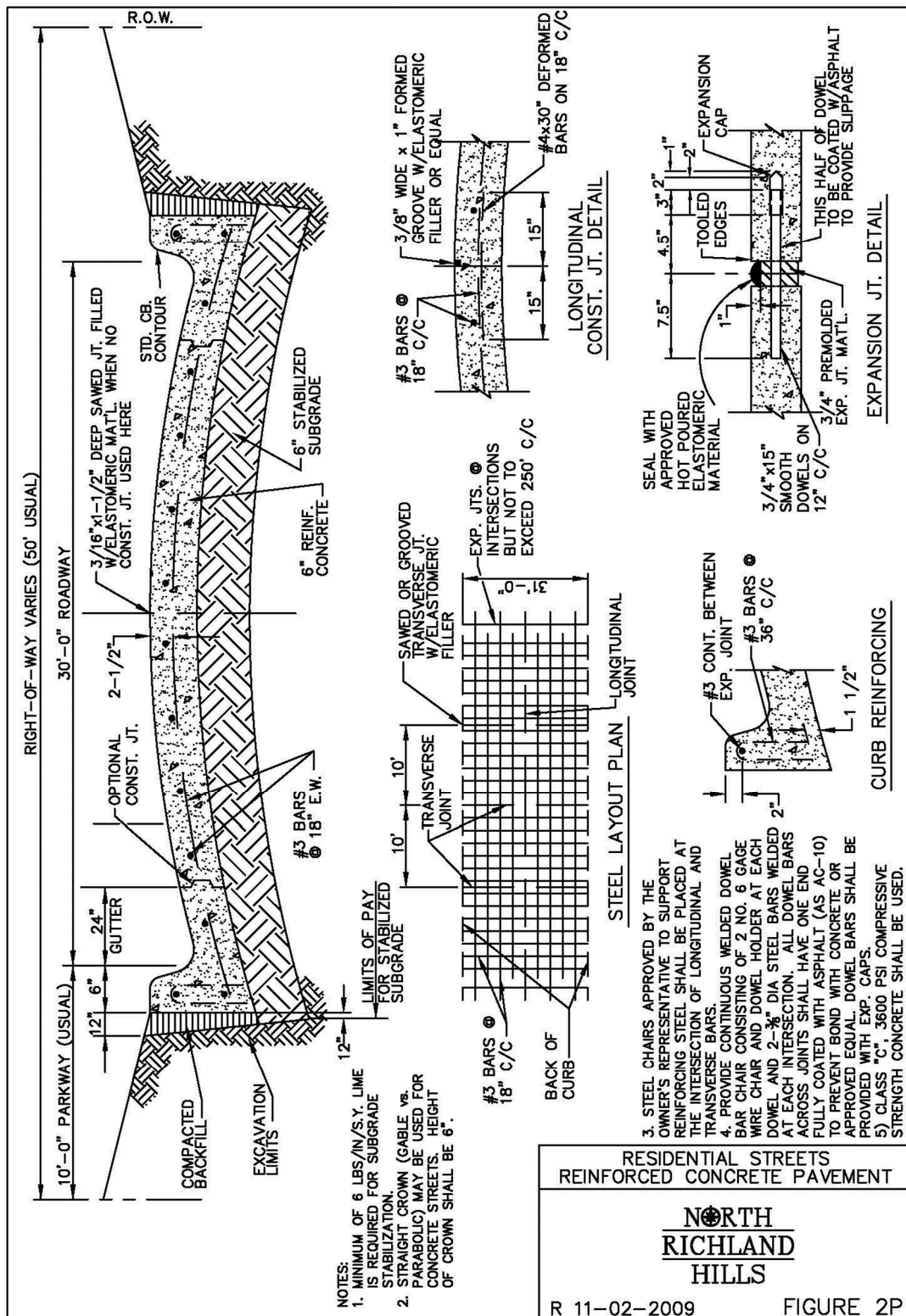
NOTES:

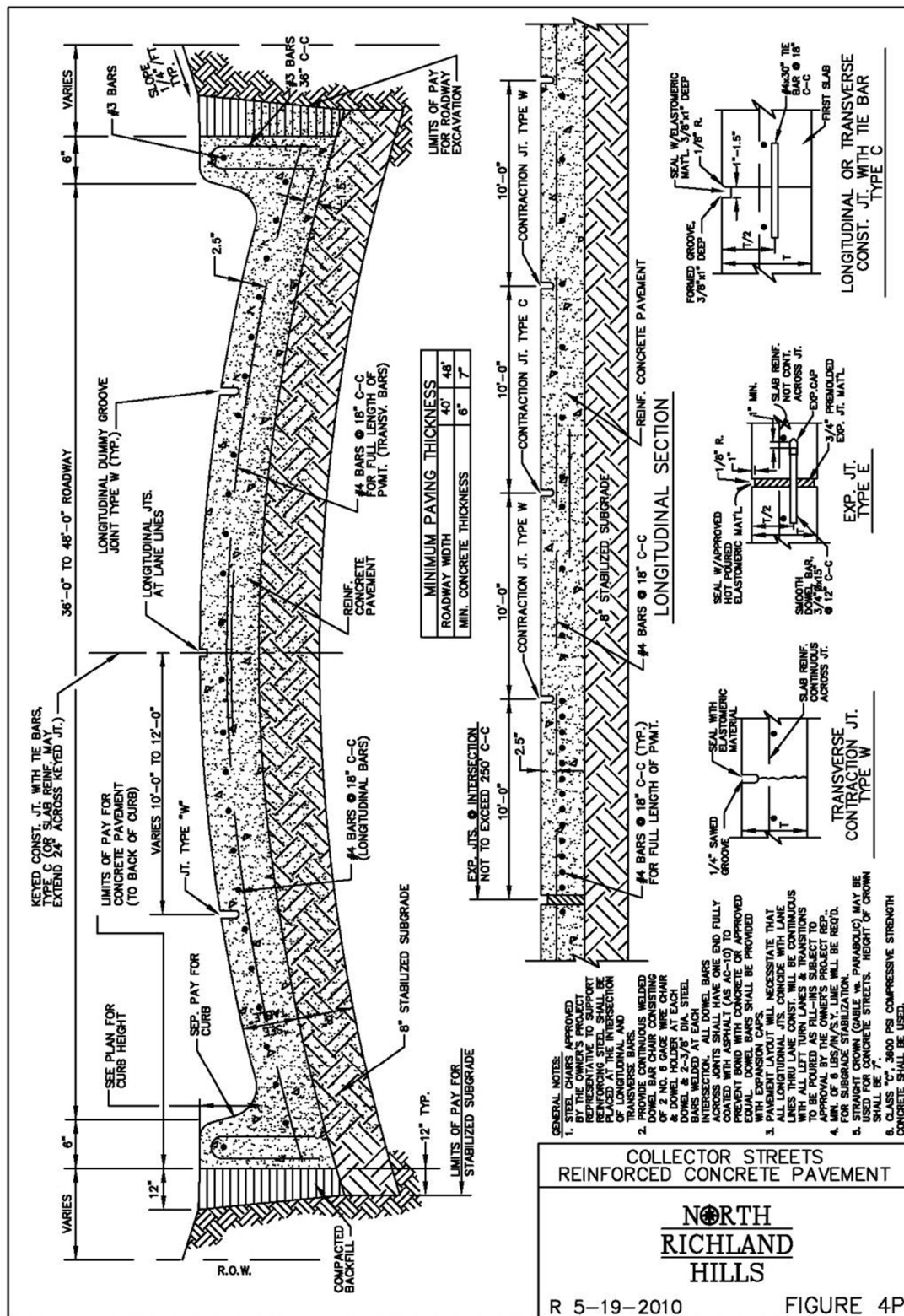
1. FLEXBASE - FLEXIBLE CRUSHED STONE BASE SHALL CONFORM TO TxDOT ITEM 247. COMPACT TO AT LEAST 100% OF THE MAXIMUM DRY DENSITY.
2. CTB - CEMENT TREATED BASE SHALL CONFORM TO TxDOT ITEM 275 or TxDOT ITEM 276. COMPACT TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY.
3. HMAC - HOT MIX ASPHALT CONCRETE SHALL CONFORM TO TxDOT ITEM 340 OR TxDOT ITEM 341.

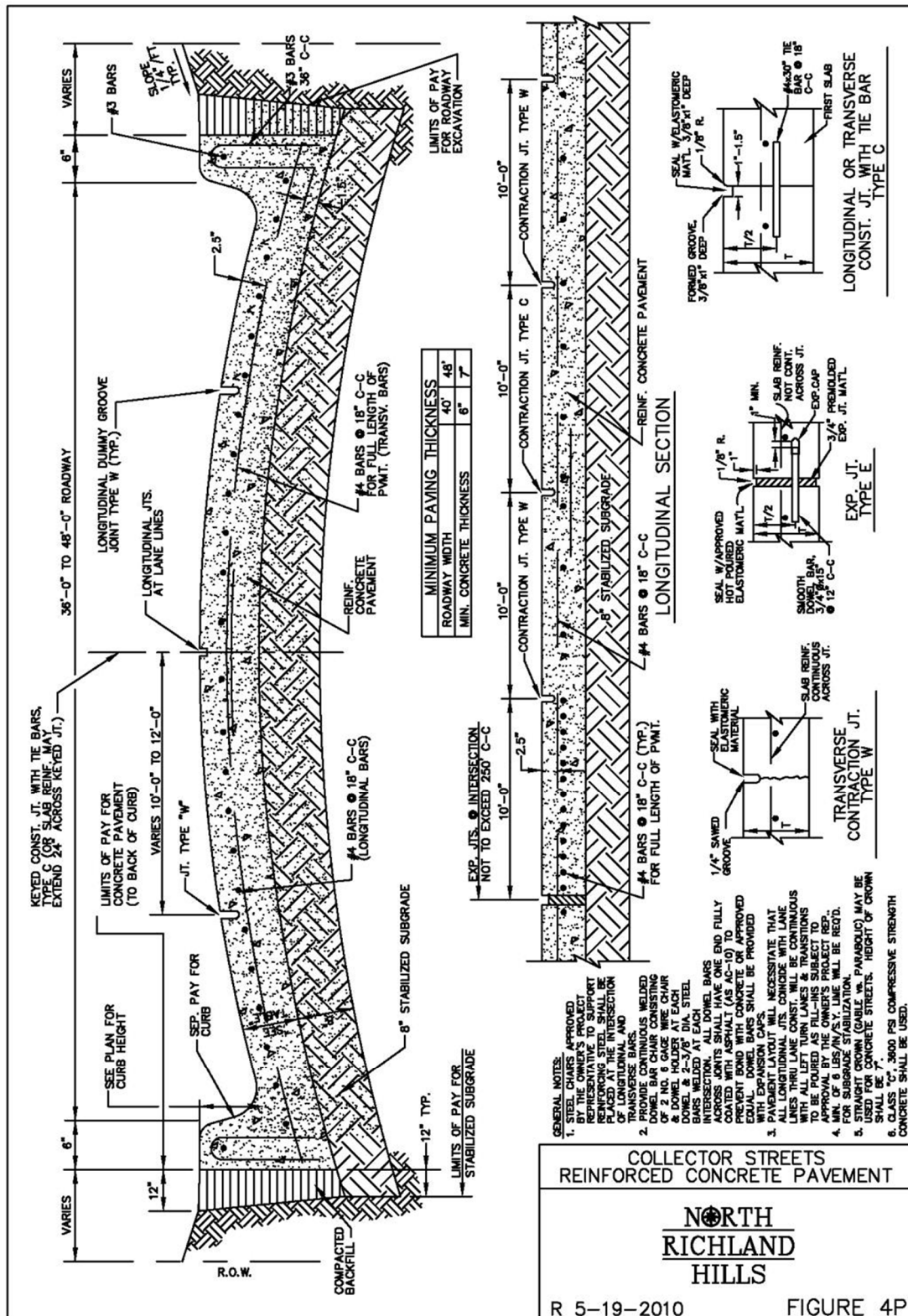
UTILITY STREET CUT REPAIR

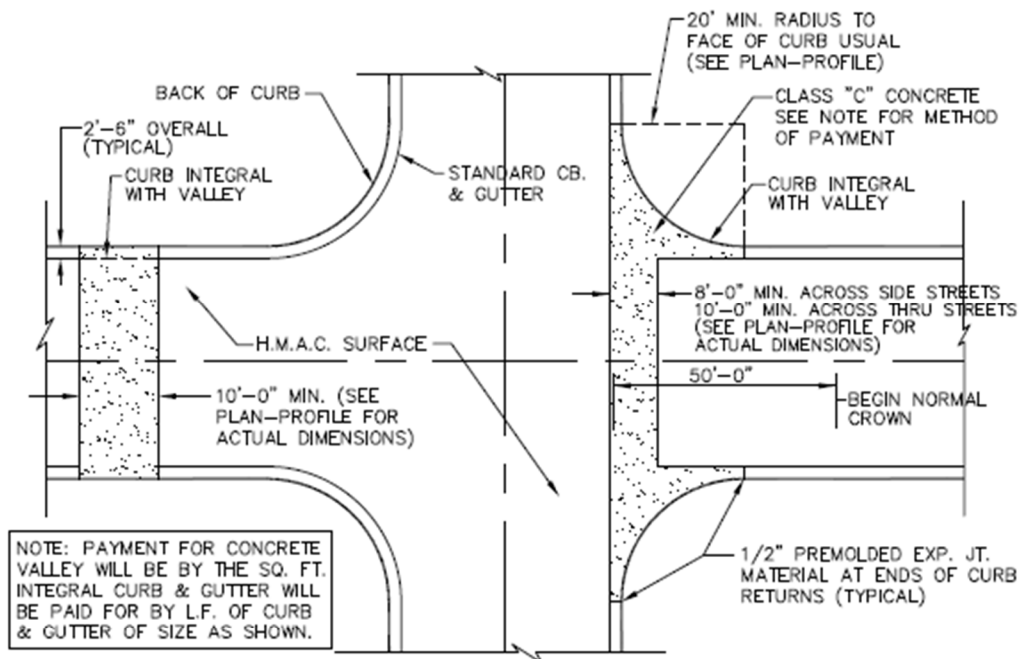
**NORTH
RICHLAND
HILLS**

R 10-28-2024 FIGURE 15P-3

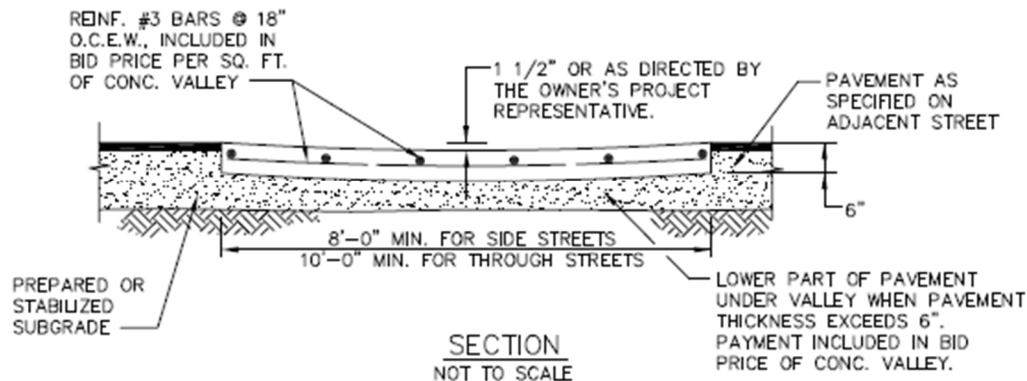








PLAN
NOT TO SCALE



SECTION
NOT TO SCALE

NOTE: CONCRETE SHALL BE CLASS "C", 3600 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

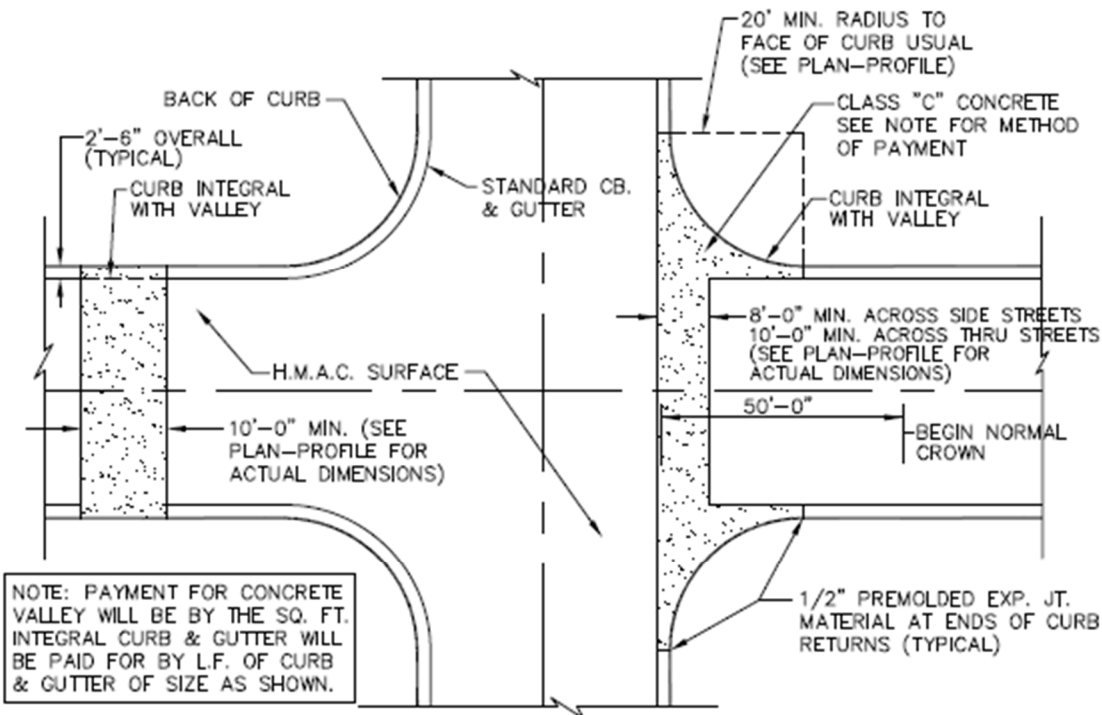
DISTANCE FROM C.E. OF VALLEY	CROWN		
	6"	7"	8"
0'	0.000'	0.000'	0.000'
5'	0.167'	0.167'	0.167'
10'	0.290'	0.290'	0.290'
20'	0.445'	0.445'	0.465'
30'	0.500'	0.540'	0.580'
40'	0.500'	0.583'	0.635'
50'	0.500'	0.583'	0.667'

CONCRETE VALLEY DETAILS

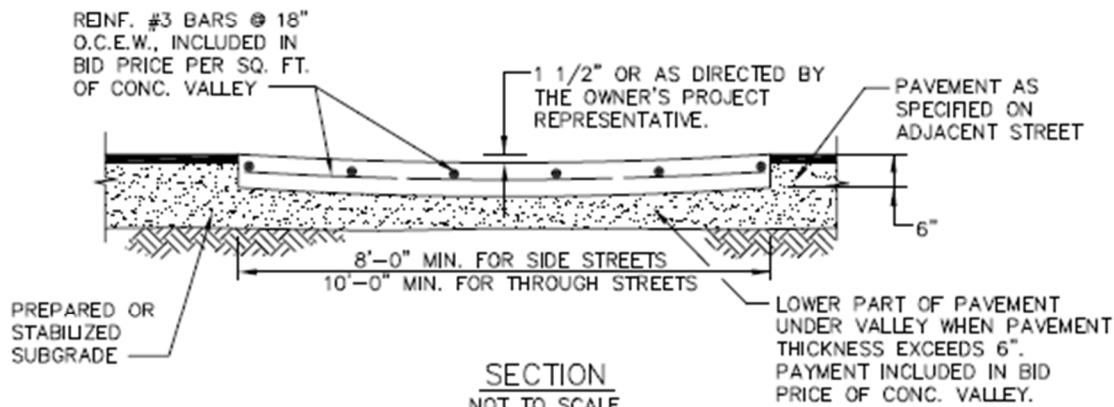
**NORTH
RICHLAND
HILLS**

R 07-01-2009

FIGURE 9P



PLAN
NOT TO SCALE



SECTION
NOT TO SCALE

NOTE: CONCRETE SHALL BE CLASS "C", 3600 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

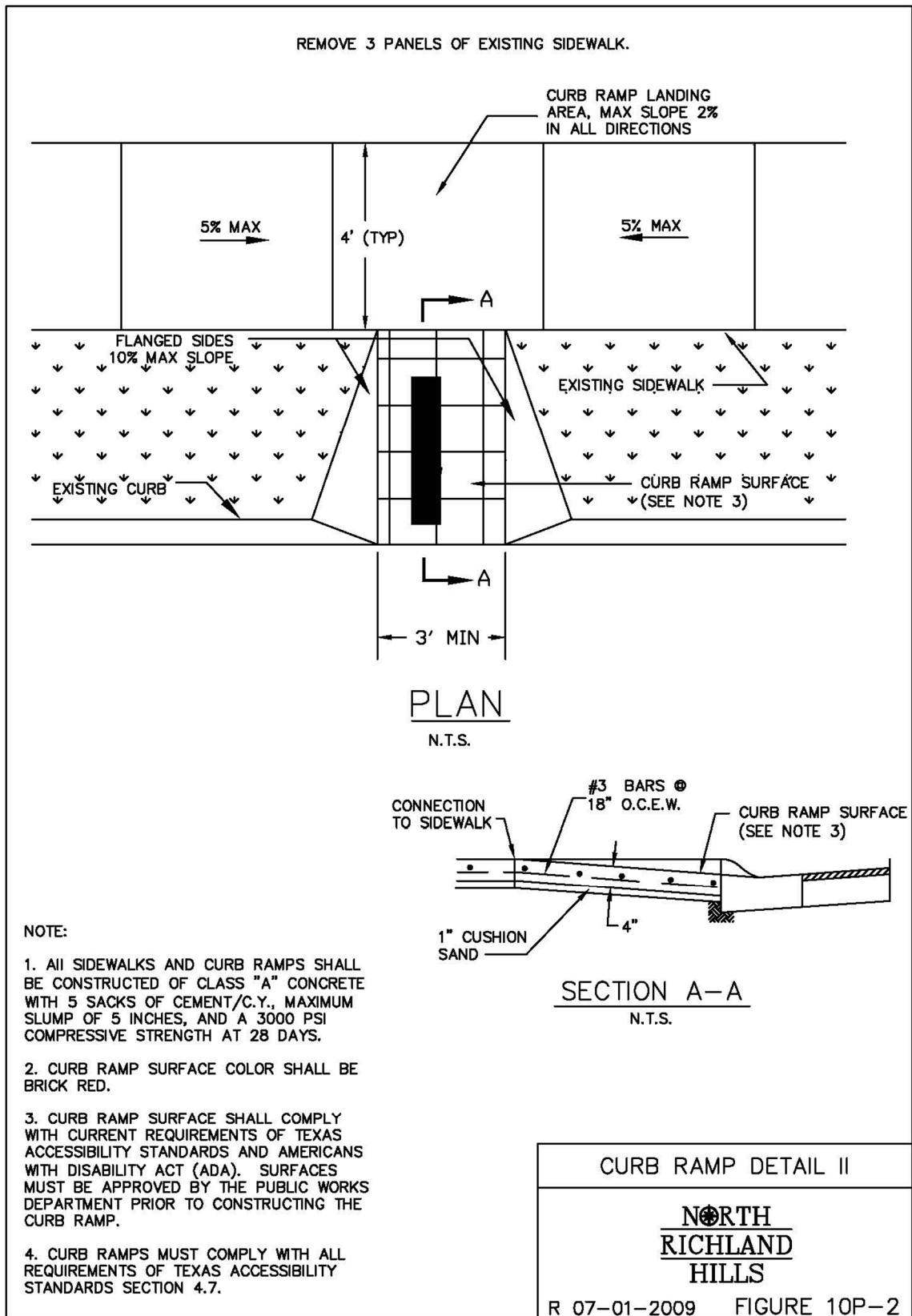
CROWN TRANSITION FOR CONCRETE VALLEY			
DISTANCE FROM C. OF VALLEY	CROWN		
	6"	7"	8"
0'	0.000'	0.000'	0.000'
5'	0.167'	0.167'	0.167'
10'	0.290'	0.290'	0.290'
20'	0.445'	0.445'	0.465'
30'	0.500'	0.540'	0.580'
40'	0.500'	0.583'	0.635'
50'	0.500'	0.583'	0.667'

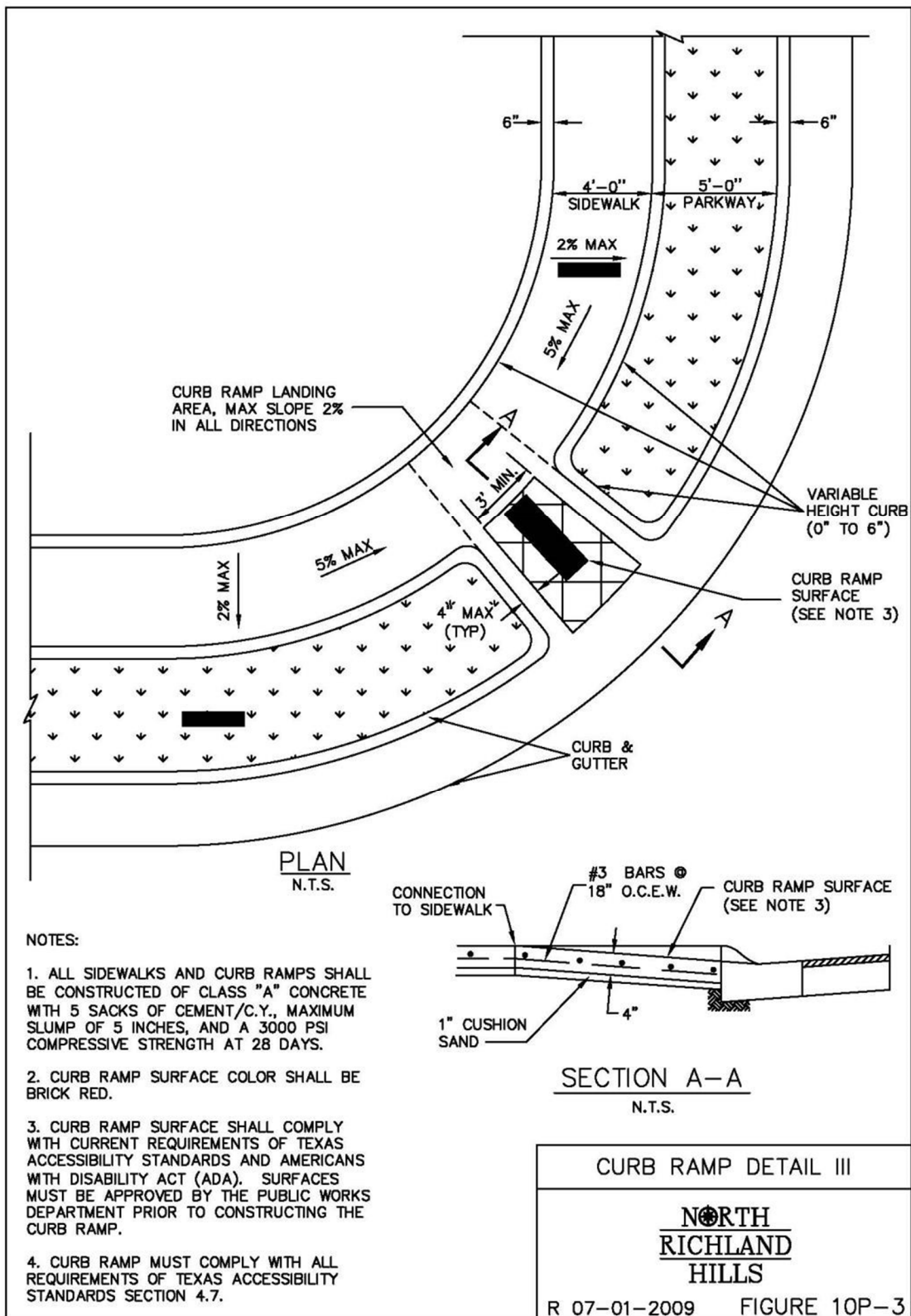
CONCRETE VALLEY DETAILS

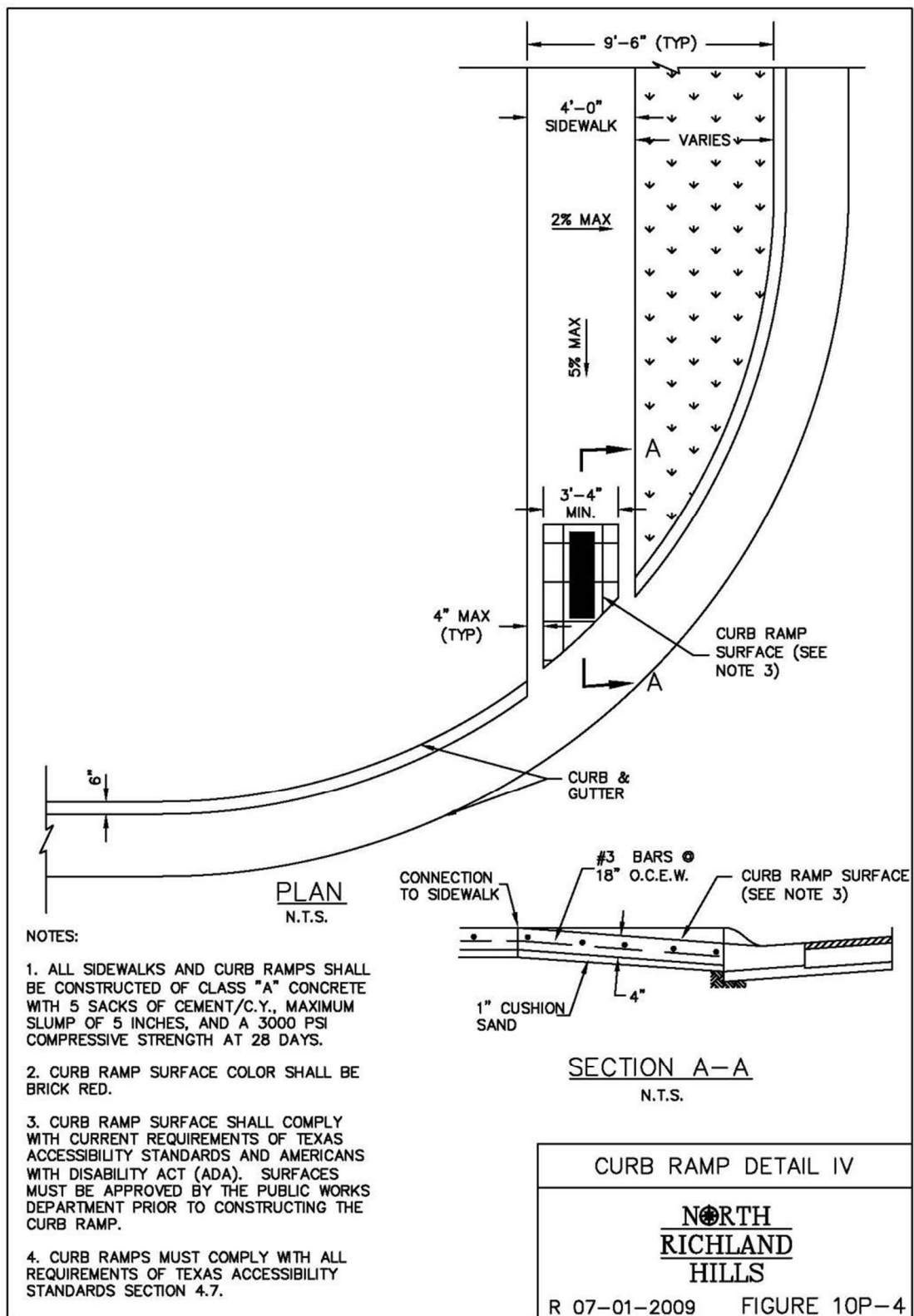
**NORTH
RICHLAND
HILLS**

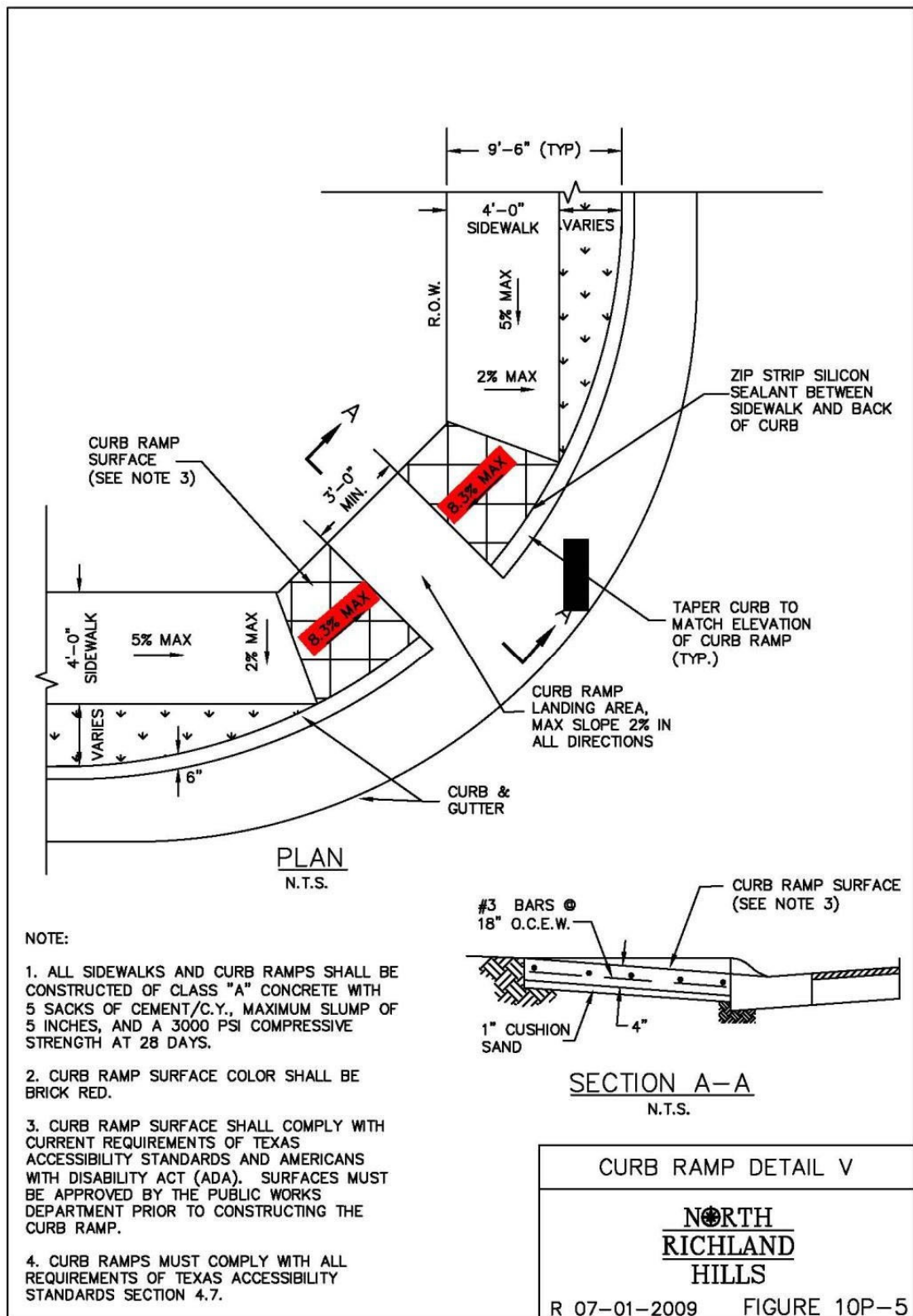
R 07-01-2009

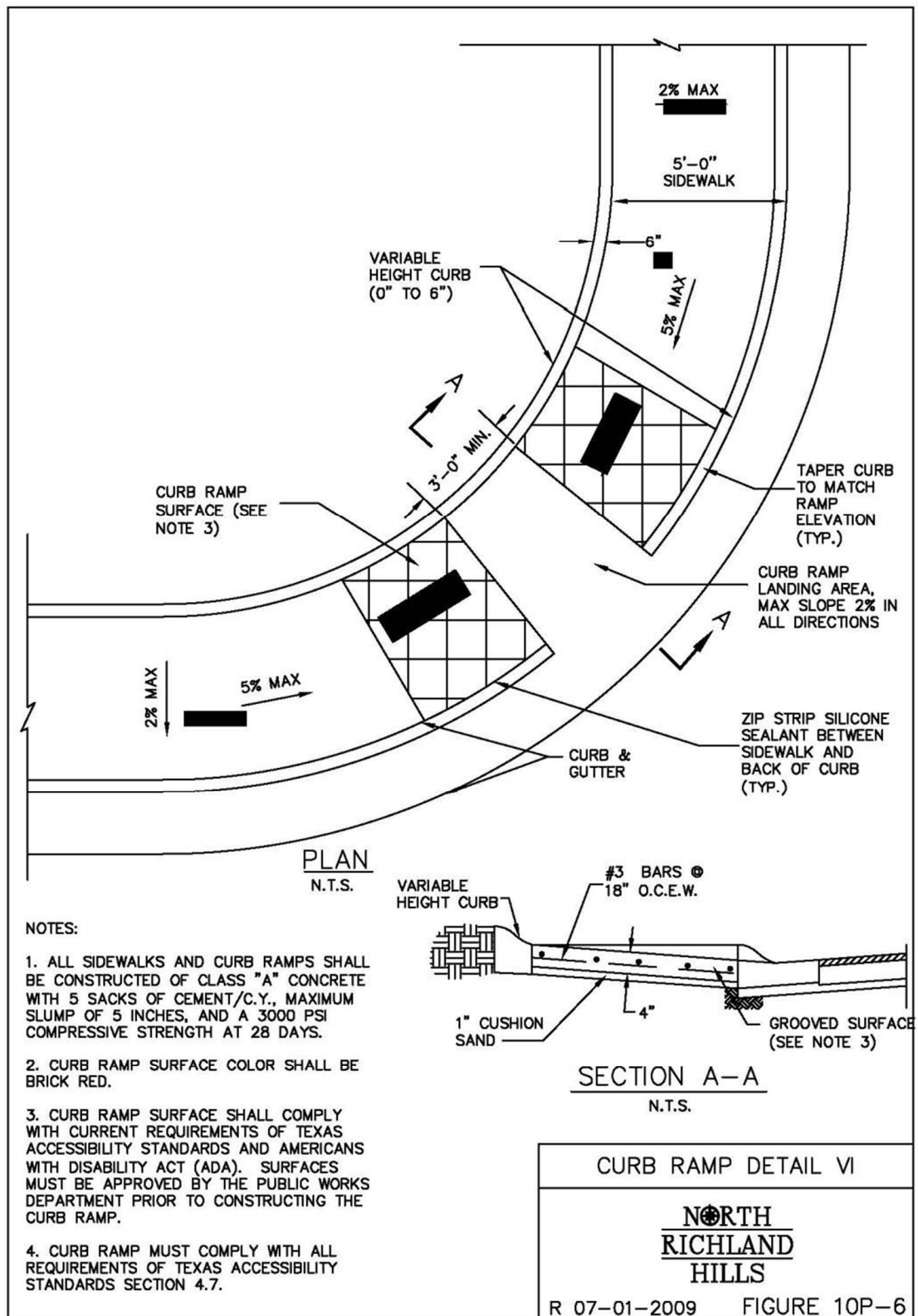
FIGURE 9P

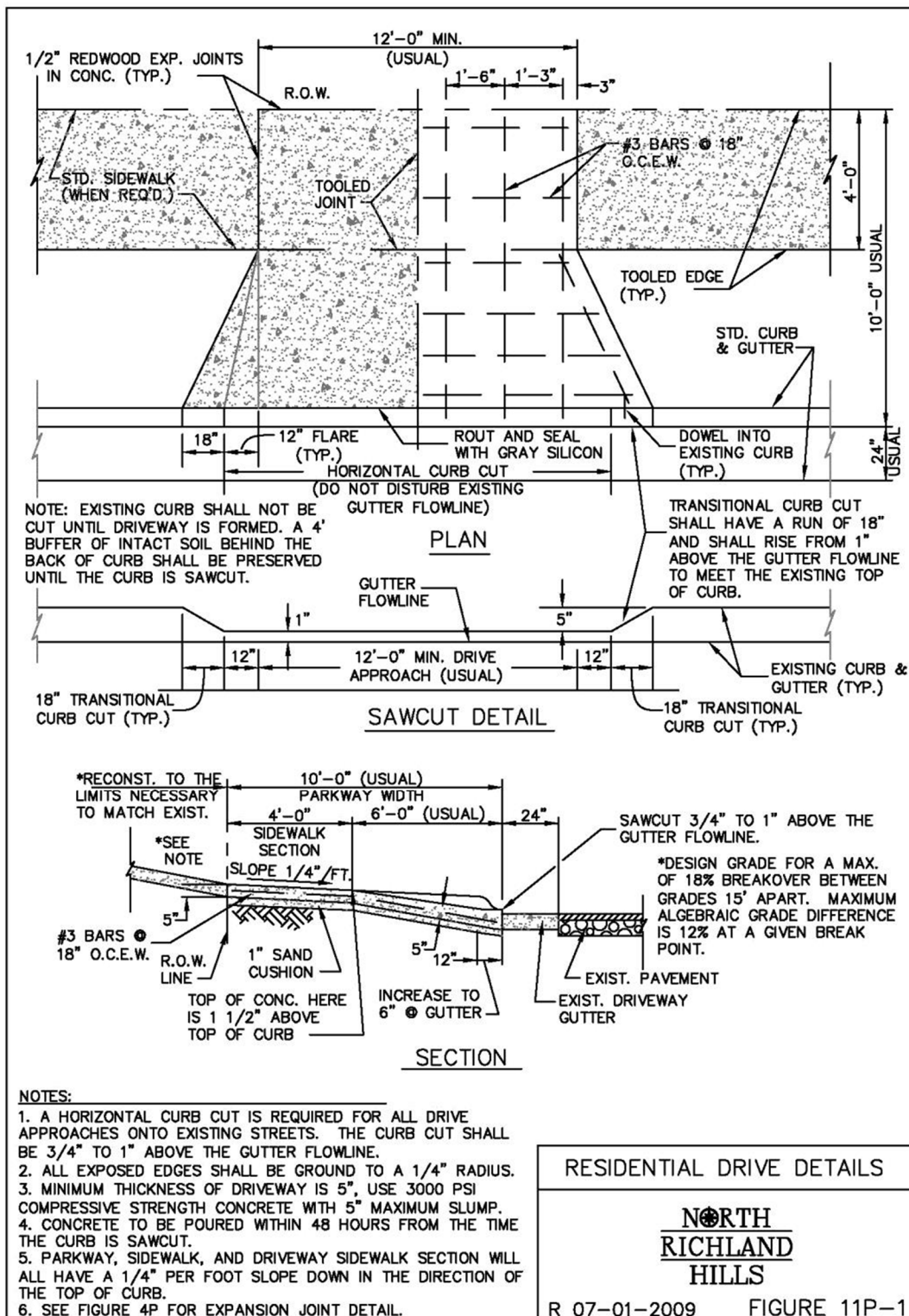


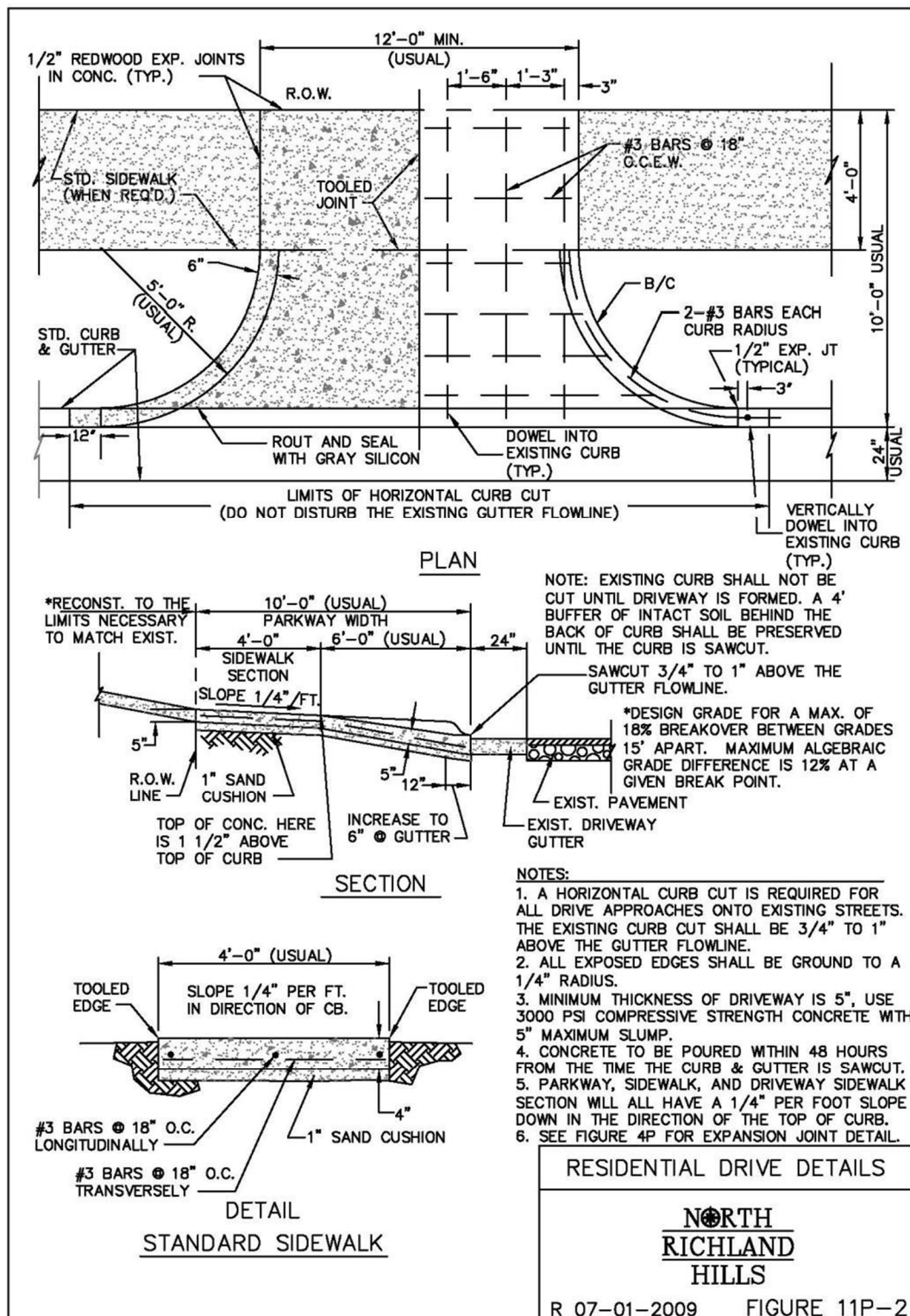


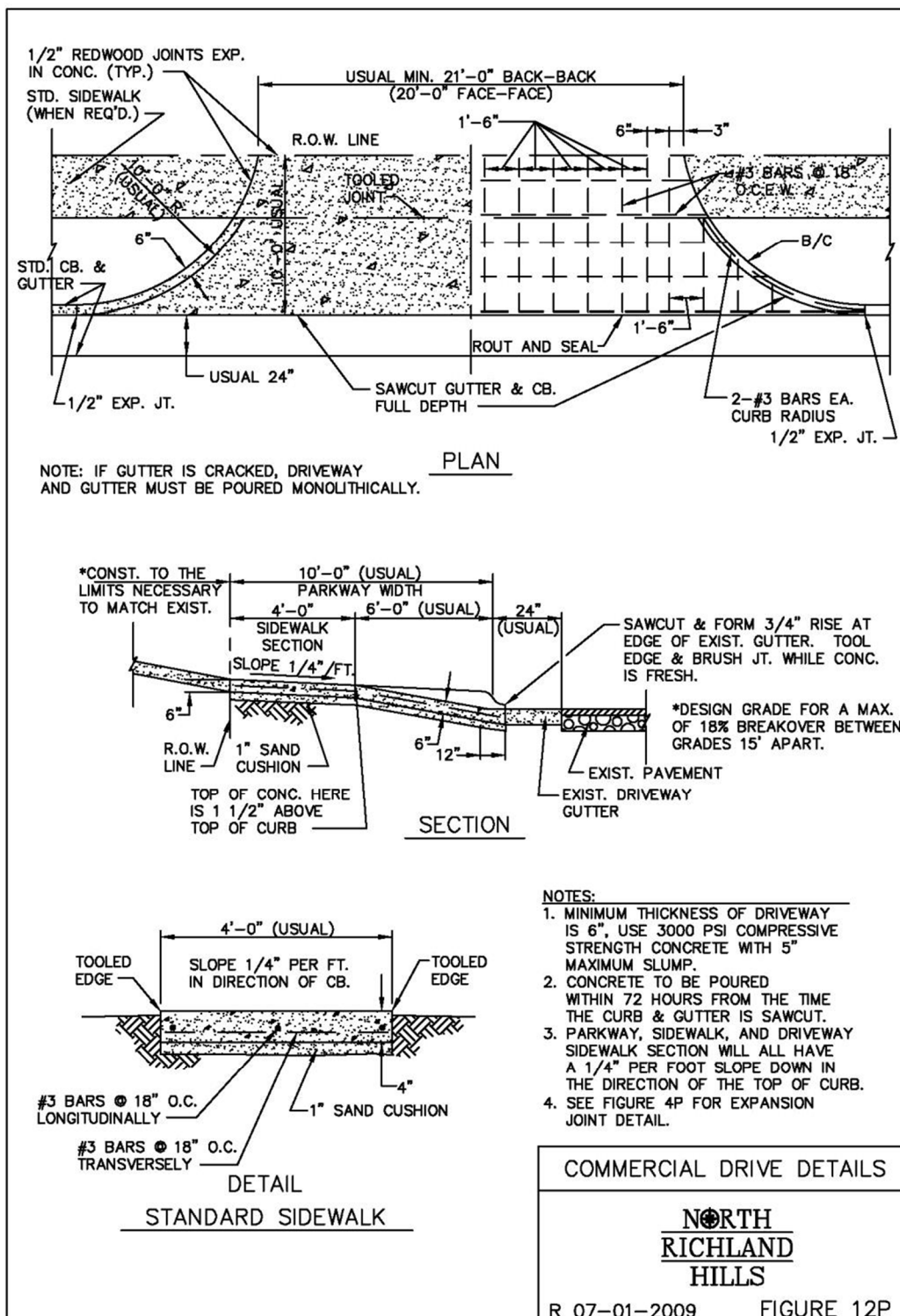


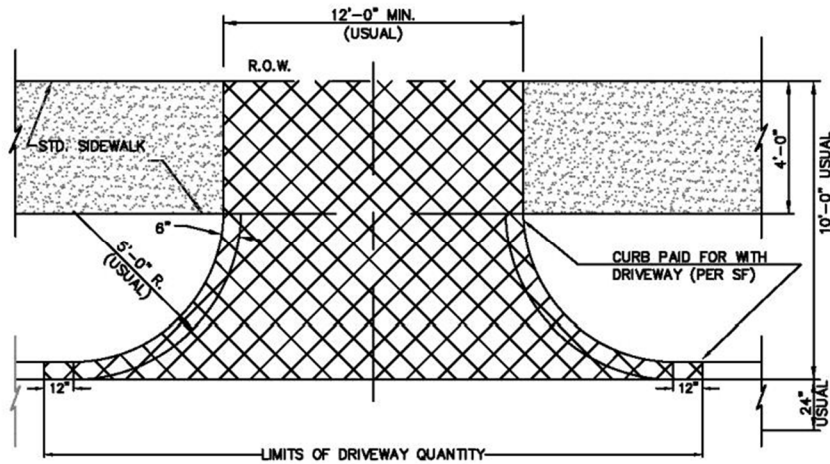






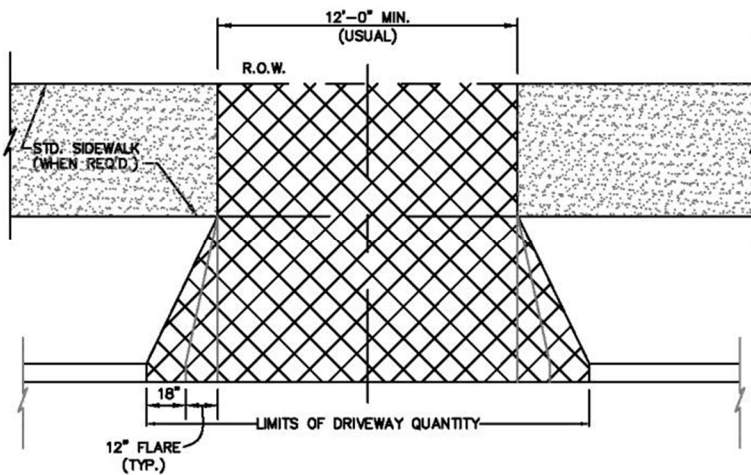






Driveway w/ Radius (Traditional)
Area - sf

	Radius					
	5	10	15	20	25	30
Width	12	134.21	169.31	222.72	295.88	364.02
	14	154.21	189.31	242.72	315.88	384.02
	16	174.21	209.31	262.72	335.88	404.02
	18	194.21	229.31	282.72	355.88	424.02
	20	214.21	249.31	302.72	375.88	444.02
	22	234.21	269.31	322.72	395.88	464.02
	24	254.21	289.31	342.72	415.88	484.02
	26	274.21	309.31	362.72	435.88	504.02
	28	294.21	329.31	382.72	455.88	524.02
	30	314.21	349.31	402.72	475.88	544.02
	35	364.21	399.31	452.72	525.88	594.02



Driveway w/ Flares

	Area (sf)
Width	12
	14
	16
	18
	20
	22
	24
	26
	28
	30
	35

