

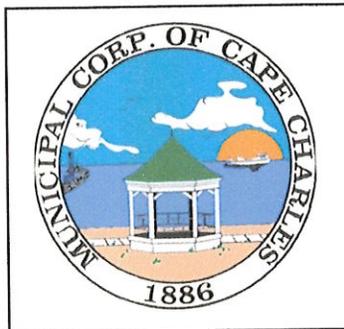
**TOWN OF CAPE CHARLES**

**DEPARTMENT OF PUBLIC WORKS**

**INVITATION FOR BIDS**

**I.F.B. # 170316-1**

**Concrete Projects**



# INVITATION FOR BIDS

## Concrete Projects

### GENERAL BID INSTRUCTIONS

The Town of Cape Charles will receive sealed Bids for various Concrete Projects. Contractors interested in bidding on this project are requested to submit proposals to the Town Clerk, 2 Plum Street, Cape Charles, Virginia 23310, on or before **2:00 p.m. on Thursday, February 23, 2017.**

A pre-bid meeting will be held on **Tuesday, February 14, 2017 at 2:00 pm** in the Conference Room on the second floor at 2 Plum Street. Attendance at this meeting is recommended, not required.

All Bids received after **2:00 p.m. on February 23, 2017** will be returned unopened to the Contractor. Bid packages will be opened at that time in the Town Hall Meeting Room.

The IFB and Bid Form documents should be submitted in their entirety, including any attachments specified herein.

Bids shall be valid for a period of one hundred twenty (120) days from the date of the proposal opening.

Two (2) copies of all submittals are required.

All Bids submitted will be clearly marked "**Town of Cape Charles Concrete Projects**" in the lower left hand corner of the envelope, box, or wrapper in which the bid is submitted.

The Town of Cape Charles reserves the right to accept and reject in total, or in part, any and all Bids received in the interest of Cape Charles.

Probable Schedule of events:

- |                                   |                 |                      |
|-----------------------------------|-----------------|----------------------|
| ○ Advertise for IFB, ES News      | Wednesday       | February 8th         |
| ○ Pre-bid Meeting (Not Mandatory) | Tuesday         | February 14th        |
| ○ Last Day for Questions          | Tuesday         | February 21st        |
| ○ <b>Bids Due</b>                 | <b>Thursday</b> | <b>February 23rd</b> |
| ○ <b>Town Council Review</b>      | <b>Thursday</b> | <b>March 16th</b>    |
| ○ Contract Award/Signing          |                 | TBD                  |

**I. GENERAL DESCRIPTION AND BACKGROUND**

The Town of Cape Charles is located in Northampton County on Virginia's Eastern Shore. Among other amenities the Town has its own Public Library. The Town wishes to make some needed improvements to the parking area at the rear of the Library. A new parking entrance off of Pine Street is one of two items on the project list.

The Town also maintains and/or owns several alleys in town. One alley that the town owns runs north-south from Jefferson Avenue to Washington Avenue and between and parallel to Bay Avenue and Pine Street. The south end of this alley is in disrepair and the town wishes to make improvements with the addition of a proper entrance off of Jefferson Avenue.

**II. QUALIFICATIONS**

The Contractor(s) must be fully qualified to perform the described services; must hold a Contractor's license and be able to obtain a completion bond in the amount of 125% of the bid amount. The Contractor must have the management, technical and financial qualifications to perform the services outlined in this Invitation for Bids. If subcontractors are to be employed, they must be identified. Evidence must be submitted that they also meet minimum qualifications except that only the general would be required to obtain bonding and submit financials.

**III. EXAMINATION OF SITE AND DOCUMENTS AND CONTRACTOR'S DETERMINATION OF CONDITIONS**

Contractors shall inform themselves of all conditions under which the work is to be performed and all other relevant matters that may affect both the quantity of work and the quality of labor, equipment, and materials required for the work. The Contractor shall make its own determinations as to relevant conditions and shall assume all risk and responsibility, and shall complete the work in and under the conditions it may encounter or create, without extra cost to the Town. The Contractor agrees that if it should execute the Contract with the Town, the Contractor shall make no claim against the Town because of estimates or statements made by any officer or agent of the Town which may prove to be, in any respect, erroneous. The failure or omission by any Contractor to receive or examine any form, instrument, addendum, or other document shall in no way relieve that Contractor of any obligations with respect to this Invitation for Bids or the Contract.

**IV. INFORMATION NOT GUARANTEED**

Information given in the Invitation for Bids relating to existing conditions is from the best information available. All such information on existing conditions is furnished only for the information and convenience of the Contractor. Maps are not to scale and are intended for general identification purposes only.

V. **SCOPE OF SERVICE AND SPECIAL CONDITIONS**

A. **General**

The Town is interested in receiving bids for two concrete projects. Bids should include all labor, materials and equipment necessary to complete the project in its entirety. The town will make available to the contractor water, power and sanitary facilities.

Project/Attachment #1

Entrance to Library Parking Lot  
See Attachment #1 for details  
To include gravel dumpster area as an add/alt

Project/Attachment #2

Entrance to Town owned alley way (Jefferson at Harbor)  
See Attachment #2 for details  
To include walkways as shown

The Contractor must meet the requirements of all Sections of this Invitation for Bids. Contractor must obtain a Cape Charles business license after bid award before commencement of work. Failure to meet all requirements shall result in disqualification of the bid.

A Land Use Permit will be required from the VDOT. The Town will obtain all required permits. There will be no fee for this permit.

The Contractor will present Qualifications for this project (valid Virginia Class B or A Contractor's License, Building or Highways/Heavy Construction Classification). The Contractor shall have a minimum of five years experience on similar jobs.

The contractor shall provide a complete explanation as to past bankruptcies and criminal convictions (if any) in the States of Virginia, North Carolina and Maryland of the Contractor, its officers, partners and owners, affiliated companies and or subsidiaries and key personnel.

The contractor shall provide a complete explanation of all currently outstanding civil suits and governmental investigations, claims, suits, administrative or court order with regard to any operation within the States of Virginia, North Carolina and Maryland in which the contractor has part or total responsibility for the operation.

Where the Contractor is a corporation, evidence must be provided that the Contractor is licensed to do business in the Commonwealth of Virginia, and is in good standing under the laws of the State of its incorporation.

The Town reserves the right to reject any bids at its sole discretion.

Bids having any erasures or corrections must be initialed by the offeror in ink. Bids must be signed in ink by a person authorized to bind the Contractor to the bid.

All bids must clearly state the name and address of the Contractor and the name and position of the person authorized by the Contractor to execute the Bid.

Any questions concerning the project should be directed to the Director of Public Works at (757) 695-3839 or by email at [dave.fauber@capecharles.org](mailto:dave.fauber@capecharles.org). All questions and answers will be emailed or faxed to all contractors that provide the Town Clerk with an email address or fax number. The last day for questions is Tuesday, February 21 at 3 PM. All questions and answers so recorded will be attached to and become a part of the final contract document.

The following provisions will be ultimately incorporated in the contract documents or revised as mutually agreeable to all parties during final negotiations.

## **B. Proof of Insurance**

The contractor shall supply written proof of Insurance in the following amounts:

### Workers Compensation and Employer's Liability

- Coverage A - Statutory requirements
- Coverage B - Bodily Injury by Accident \$100,000 each accident; Bodily Injury by Disease \$100,000 each employee and \$500,000 policy limit.

### Auto liability, including owned, non-owned and hired car coverage

- Bodily injury and Property damage - \$1,000,000 combined single limit

### Comprehensive General Liability

- Bodily injury and Property damage - \$1,000,000 combined single limit
- Including: Completed operations/products; Contractual liability for specified agreements; Personal Injury; (XCU) Explosion, collapse, and underground storage; Broad form property damage

Limits of liability can be achieved by a combination of primary and excess liability insurance. The insurance company shall have an AM Best financial rating of A- or better.

The Town shall be listed as an additional insured for the purposes of this contract on the Contractor's vehicle liability policy and general liability policy. The additional insured endorsement will need to be issued by the insurer. A notation on a certificate of insurance as to additional insured status will not be acceptable. The terms and conditions of the additional insured endorsement will need to be acceptable to the Town.

The contractor shall be responsible to assure that all subcontractors follow the requirements set forth in this section.

### **C. Payment of Subcontractor**

Should the Contractor use subcontractors, all subcontractors shall be listed at this time or at least a 10 day notice given prior to said subcontractor's start. Subcontractors will be required to hold a Town license. No subcontractor shall perform any operations without prior approval from the Town Manager or Director of Public Works. Subcontractors shall not use subcontractors.

Should any Subcontractor be employed by the Contractor for the provision of any goods or services under this contract, the Contractor agrees to the following:

The Contractor shall, within seven (7) days after receipt of any payments from the Town pursuant to this contract, either:

Pay the Subcontractor for the proportionate share of the total payment received from the Town attributable to the goods or services provided by the Subcontractor; or

Notify the Town and the Subcontractor, in writing, of the intention to withhold all or a portion of the subcontractor's payment with the reason for nonpayment. Written notice directed to the Town shall be given to the Town Manager.

The Contractor shall pay interest to the Subcontractor, at the rate of one percent per month on all amounts owed to the Subcontractor that remain unpaid after seven (7) days following receipt of payment from the Town for goods or services provided under this contract, except amounts withheld under the paragraph above.

The Contractor's obligation to pay an interest charge to the Subcontractor shall not be an obligation of the Town.

No contract modification shall be allowed for the purpose of providing reimbursement for these interest charges. No cost reimbursement claim shall include any amount for reimbursement of these interest charges.

The Town reserves the right to withhold funds to insure that all subcontractors are paid for work completed.

#### **D. Terms**

The Contractor, for himself, his heirs, representatives, successors and assigns, in consideration of the award to the Contractor by the Town, covenants with the Town as follows:

- The Contractor covenants to save, defend, keep harmless and indemnify the Town, and all its officers, servants, agents and employees (collectively, the "Town") from and against any and all suits, actions, demands, expenses, claims, loss, damages, injury, costs (including court costs and attorney's fees), charge, liability or exposure, however caused, resulting from, arising out of or in any way connected with the Contractor's performance (or nonperformance) of the Contract terms or its obligations under the Contract.
- The terms of this hold harmless agreement shall continue in full force and effect until such time as the Town determines that the covenants described in the foregoing paragraph shall no longer be necessary.
- In executing this agreement, the Contractor represents and warrants that the Contractor has completely read, fully understood, and voluntarily accepted its terms and executed it expressly to make the covenants in favor of the Town described immediately above.
- In executing this agreement, the Contractor expressly reserves any and all rights that the Contractor may have against any person, firm or corporation other than the Town, its successors, representatives and assigns.

#### **E. Default**

In case of failure to deliver services in accordance with the contract terms and conditions, the Town after due oral or written notice, should the Contractor fail to remedy the default within 48 hours, may procure them from other sources and hold the Contractor responsible for any additional costs. This remedy shall be in addition to any other remedies which the Town may have.

#### **F. Taxes**

All tax liabilities of any kind whatsoever arising under the terms of the Contract are the responsibility of the Contractor.

#### **G. Audit**

The Contractor hereby agrees to retain all books, records, and other documents relative to this Contract for five (5) years or for any longer period required by law from the date of final payment to Contractor under the Contract. The Town, its authorized agents, and/or Town Auditors, shall have full access to and the right to examine said materials during said period.

#### **H. Reporting**

Contractor shall provide all manifests and information as soon as it is generated on all state inspections or notice of violations, and all accidents.

The final reporting requirements are to be negotiated as a part of contract negotiations with the selected Contractor.

#### **I. Independent Contractor**

The Contractor is an independent contractor and nothing contained in the Contract shall constitute or designate the Contractor or any of its agents or employees as assignees or employees of the Town. If the successful Contractor is a corporation, the corporation must be registered to do business in the State of Virginia.

#### **J. Applicable Law**

The Contract shall be governed in all respects by the laws of the Commonwealth of Virginia and the venue for any litigation with respect thereto shall be in the Northampton County Circuit Court or as otherwise required by law. The Contractor shall comply with applicable Federal, State, and local laws and regulations.

#### **K. Termination for Cause**

The Contract will remain in force for the full period specified and until the Town determines that all requirements and conditions have been satisfactorily met and the Town has accepted the Work, and thereafter until the Contractor has met all requirements and conditions relating to the Work under the Contract, including warranty and guarantee periods. However, the Town will have the right to terminate the Contract sooner if the Contractor has failed to perform satisfactorily the work required, as determined by the Town in its discretion. In the event that the Town decides to terminate the Contract for failure to perform satisfactorily, the Town will give the Contractor at least ten (10) days written notice before termination takes effect. Such ten (10) day period will begin upon mailing of notice by the Town. The Contractor shall have the right to cure within the ten (10) days specified in the notice. If the Contractor fails to cure the default within the ten (10) days specified in the notice the Contract will be terminated, but the Contractor will be entitled to receive compensation for all Contract services satisfactorily performed by the

Contractor and allocable to the contract and accepted by the Town prior to such termination, less any damages or offsets for expenses incurred by the Town due to the Contractor's failure to perform or neglect of its obligations under the Contract.

Except as otherwise directed, the Contractor shall stop work on the date of receipt of notice of termination or other date specified in the notice, place no further orders or subcontracts for materials, services, or facilities except as necessary for completion of such portion of the work not terminated, and terminate all vendors and subcontractors and settle all outstanding liabilities and claims.

In the event that any termination for default shall be found to be improper or invalid by any court of competent jurisdiction, then such termination shall be deemed to have been a termination for convenience.

#### **L. Termination for Convenience of Town**

The Contract may be terminated by the Town in whole or in part if the Town shall determine that such termination is in the Town's best interest or the Town shall fail to appropriate funds for service to the Town by the Contractor. Any such termination shall be effected by the delivery to the Contractor of a written notice at least fifteen (15) days before the date of termination, specifying the extent to which performance of the Work under the Contract is terminated and the date upon which such termination becomes effective. After receipt of a notice of termination for convenience, the contractor shall continue the work until the date of termination specified in the notice as directed by the Town Manager; make arrangements for the transfer of any remaining work to another party; make arrangements to transfer all documentation and paperwork for terminated work to the County; and make arrangements to terminate all vendors and subcontractors and settle all outstanding liabilities and claims.

#### **M. Payment to Contractor**

A payment schedule will be set forth in the contract. Draws will be performance based.

### **VI. SUBMITTAL INSTRUCTIONS**

The Contractor shall submit his bid based on the format as outlined in the Invitation for Bids and Bid Form Document to the Town Clerk, located upstairs at 2 Plum Street, Cape Charles, or mailed to:

Libby Hume, Town Clerk  
2 Plum Street  
Cape Charles, VA 23310

All Bids received after **2:00 p.m. on Thursday, February 23, 2017** will be returned unopened

to the Contractor.

All Bids submitted will be clearly marked "Town of Cape Charles Concrete Projects" in the lower left hand corner of the envelope, box, or wrapper in which the bid is submitted.

Two (2) copies of all submittals are required.

Any questions regarding this bid should be directed to Dave Fauber, Cape Charles Director of Public Works. He can be reached at (757) 695-3839.

## **VII. CRITERIA FOR EVALUATION OF PROPOSALS**

The bids will be evaluated according to, but not limited to, the following criteria. Contractors are welcome to submit supporting information which describes their ability to meet the criteria and exceed the performance of other contractors:

- Specifics of the proposals regarding the Contractor's financial stability and financial ability to perform the Contract
- Experience on similar jobs
- History of projects with the Town
- History of bid submittals to the Town
- Ability to provide a performance bond and the most comprehensive level of insurance coverage to the Town
- Responsiveness and completeness of the Bid
- Proposed staffing and equipment
- Subcontractors to be used
- Overall benefit to the Town
- Cost

## **VIII. CERTIFICATION**

The Contractor will set forth the following in each bid.

### **A. Non-Collusion**

The Contractor certifies that this Bid is made without collusion or fraud and that the contractor has not offered or received any kickbacks or inducements from any other offeror, manufacturer or subcontractor with its proposal and that it has not conferred, on any public employee having any official responsibility for this procurement transaction, any payment, loan, subscription,

advance, deposit of money or anything of more than nominal value or promised, unless consideration of equal or greater value was exchanged. The Contractor certifies that this bid is made in compliance with all Ethics in Public Contracting provisions of the Virginia Public Procurement Act.

## **B. Civil Rights Acts**

The Contractor certifies to the Town that the Contractor will conform to the provisions of the Federal Civil Rights Act of 1964, as amended, as well as the Virginia Fair Employment Act of 1975, as amended, where applicable, and Section 11-51 of the Virginia Public Procurement Act which provides as follows:

During performance of the Contract, the Contractor agrees as follows: The Contractor will not discriminate against any employee because of race, religion, color, sex or national origin, except where religion, sex, or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to all employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause.

The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, will state that the Contractor is an equal opportunity employer. Notices, advertisements and solicitations, places in accordance with Federal law, rule or regulation shall be deemed sufficient for meeting the requirements of this section.

The Contractor shall include the provisions of section VIII, (B) Paragraph #1 above in every subcontract or purchase over \$10,000 so that the provisions will be binding on each subcontractor or vendor.

## **IX. METHOD OF AWARD**

Selection shall be made of Contractors deemed to be fully qualified and best suited among those submitting Bids on the basis of the factors involved in Invitation for Bids. The Town reserves the right to reject any or all Bids, to waive irregularities and/or informalities in any Bid, and to make an award in any manner, consistent with law, deemed in the best interest of the Town.

The Contractor chosen will be required to execute a contract, the terms of which will be negotiated based on the Invitation for Bid and the Contractor's response. The Town reserves the right to amend the form of Contract attached hereto in any manner prior to execution. The award of the contract is conditioned upon the approval of the contract by the Town Council and the appropriation of funds by same.

**X. ADDENDA AND EXPLANATION**

Explanations desired by a Contractor shall be requested of the Town and addressed to Dave Fauber in writing before **3 PM Tuesday February 21**. If explanations are necessary, a reply shall be made in the form of an IFB Addendum, a copy of which will be forwarded to all Contractors. Any verbal statements regarding the same by any person shall be unauthoritative and not binding.

**XI. COMMENTS**

Comments concerning specifications or other provisions in this Invitation to Bid will be received and considered by the Director of Public Works as set forth in section X, above, prior to the time designated therein.

**XII. PROCUREMENT ACT**

This Invitation for Bids and all procedures hereunder and actions related thereto shall be governed by the Virginia Public Procurement Act.

**End of Section**

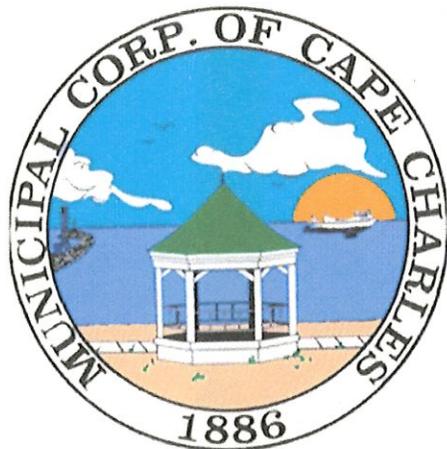
**TOWN OF CAPE CHARLES**

**DEPARTMENT OF PUBLIC WORKS**

**BID FORM**

**Reference: I.F.B. # 170316-1**

**Concrete Projects**



## **BID FORM**

Proposal Identification: I.F.B. #170316-1  
Concrete Projects

Proposal Submitted To: Libby Hume  
Town of Cape Charles  
2 Plum Street  
Cape Charles, Virginia 23310

Contractor hereby proposes to furnish and install all labor and materials for the Town of Cape Charles, 2 Plum Street, Cape Charles, Virginia 23310, in accordance with the Invitation for Bid for Concrete Projects. The Bid Form must be completed in blue or black ink or typed. Discrepancies in the multiplication of units of work and any unit prices will be resolved in favor of the correct multiplication of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

Contractor has given the Town written notice of all conflicts, errors or discrepancies that it has discovered in the General Terms, Conditions and Scope of Work and the written resolution thereof by Town is acceptable to Contractor.

This bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and it is submitted in conformity of any agreement or rules of any group, association, organization or corporation; Contractor has not directly or indirectly induced any person, firm or corporation to refrain from submitting a proposal; and Contractor has not sought collusion to obtain for itself any advantage over any other Contractor or other Owner.

All bid prices for services shall remain valid for a period of at least one hundred twenty (120) days from the date of bid submission.

It is understood that the Town reserves the right to accept and reject in total, or in part, any bids received and that the Town reserves the right to make multiple contract awards.

**Contractor proposes to provide the services as defined in the Scope of Services:**

**Contractor will charge the Town \_\_\_\_\_ for all labor and materials associated with Project #1 Pine Street Parking Entrance as specified in the IFB.**

**Contractor will charge the Town \_\_\_\_\_ for all labor and materials associated with Project #1 Pine Street Dumpster Gravel Area as specified in the IFB.**

**Contractor will charge the Town \_\_\_\_\_ for all labor and materials associated with Project #2 Harbor Ave Extended Alley Way Entrance as specified in the IFB.**

By submitting this Proposal, the Contractor certifies that he/she has read and understands the Bid Documents, General Bid Instructions, Conditions and Scope of Work and has familiarized his/herself with all federal, state and local laws, ordinances, rules and regulations that in any manner may affect the cost, progress or performance of the work. Bidder represents that they have examined copies of the following Addenda, receipt of which is hereby acknowledged:

Addendum No. \_\_\_\_\_ Dated: \_\_\_\_\_

Communications concerning this Proposal shall be addressed to:

Name: \_\_\_\_\_

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_ Fax No.: \_\_\_\_\_

eMail: \_\_\_\_\_

SUBMITTED ON: \_\_\_\_\_

**AN INDIVIDUAL**

Signature \_\_\_\_\_

Individual's Name \_\_\_\_\_

Name of Firm \_\_\_\_\_

Business Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

eMail: \_\_\_\_\_

**A PARTNERSHIP**

Signature

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Signature

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Firm's Name

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Address:

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Phone:

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Fax:

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eMail:

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General Partner's Name

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Address:

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Phone:

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General Partner's Name

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Address:

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Phone:

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eMail:

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**A CORPORATION**

Signature \_\_\_\_\_

Corporation Name \_\_\_\_\_

State of Incorporation \_\_\_\_\_

Name of Authorized Person \_\_\_\_\_

Title \_\_\_\_\_

Corporate Seal

Attest (Secretary) \_\_\_\_\_

Business Address \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

eMail: \_\_\_\_\_

**A JOINT VENTURE**

Signature \_\_\_\_\_

Individual's Name \_\_\_\_\_

Name of Firm \_\_\_\_\_

Business Address \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

eMail: \_\_\_\_\_

Individual's Name \_\_\_\_\_

Name of Firm \_\_\_\_\_

Business Address \_\_\_\_\_

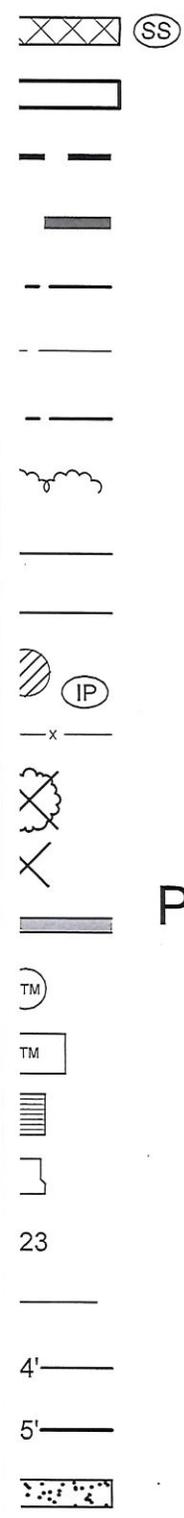
Phone: \_\_\_\_\_

eMail: \_\_\_\_\_

Fax: \_\_\_\_\_

(Each Joint Venturer must sign. The manner of signing for each individual, partnership and corporation is a party to the joint venture should be in the manner indicated above.)

END OF SECTION



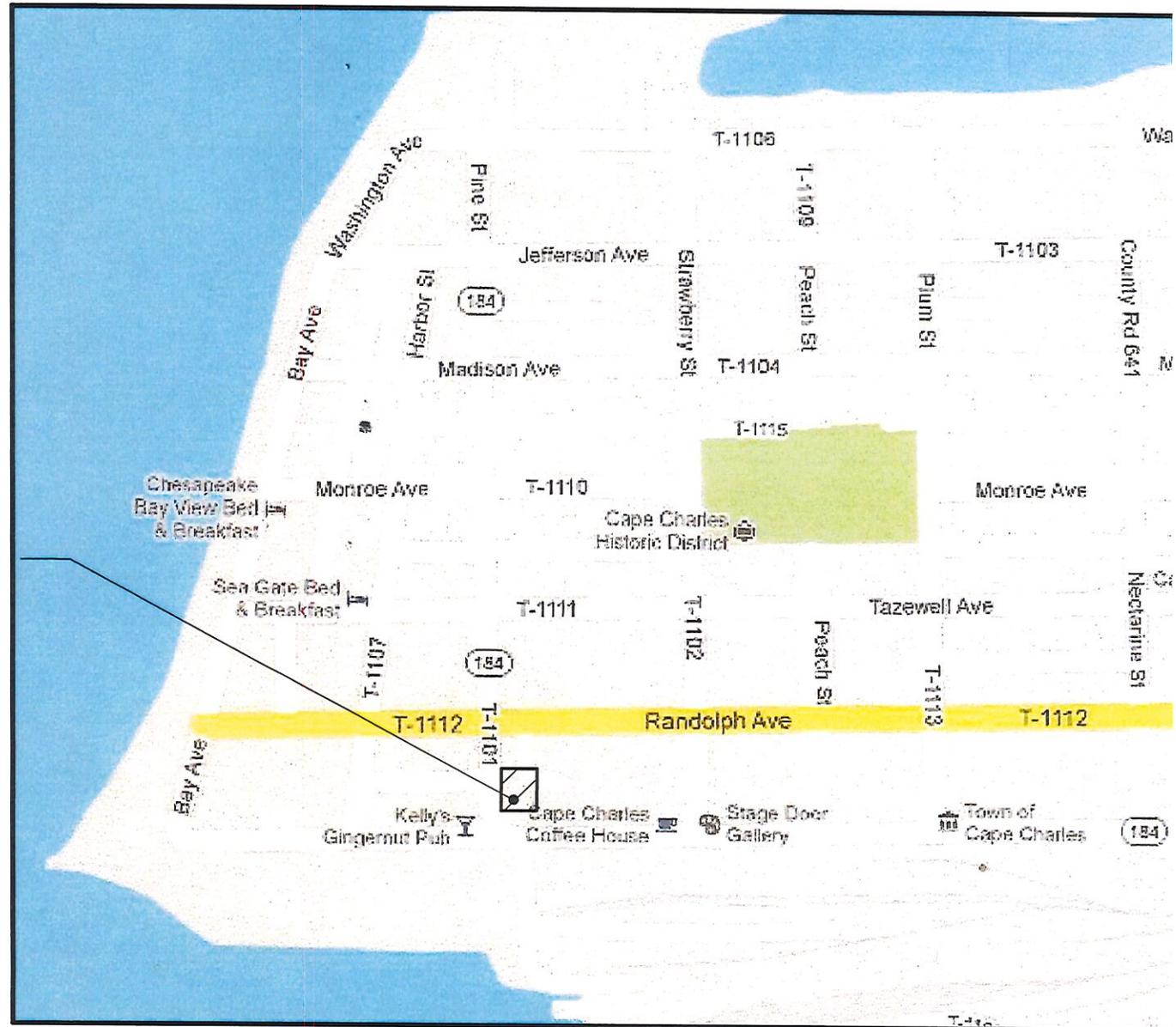
# Attachment #1 Pine Street Parking



## VICINITY MAP

SCALE: 1"=500'

PROJECT LOCATION



INDEX OF SHEET

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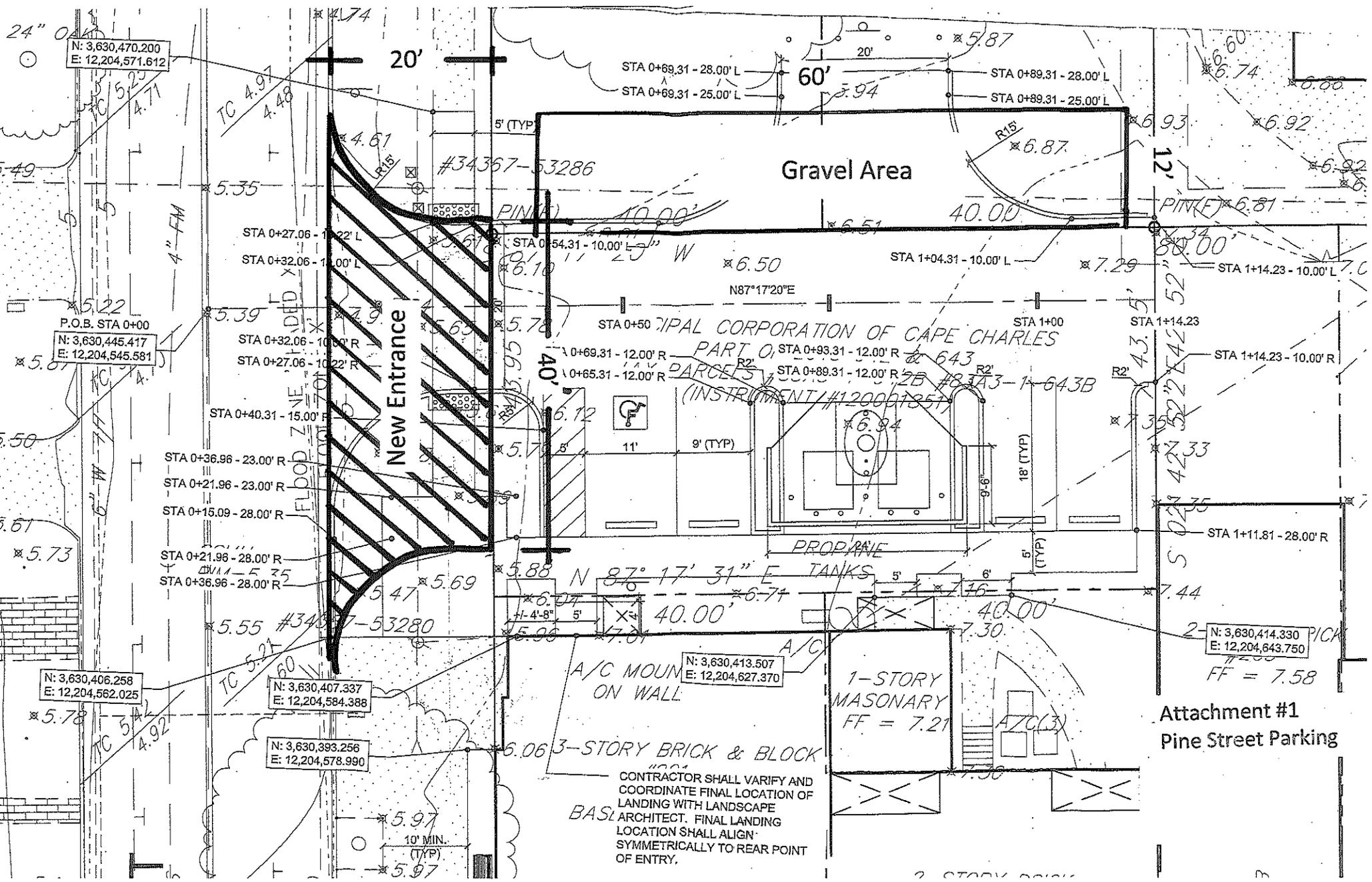
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Attachment #1  
Pine Street Parking

# Attachment #1 Pine Street Parking

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CG-3 DIS TO JRB

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VDOT  
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SHEET 1 OF 1
203.04

WP-2

**CONSTRUCTION JOINT DETAIL**

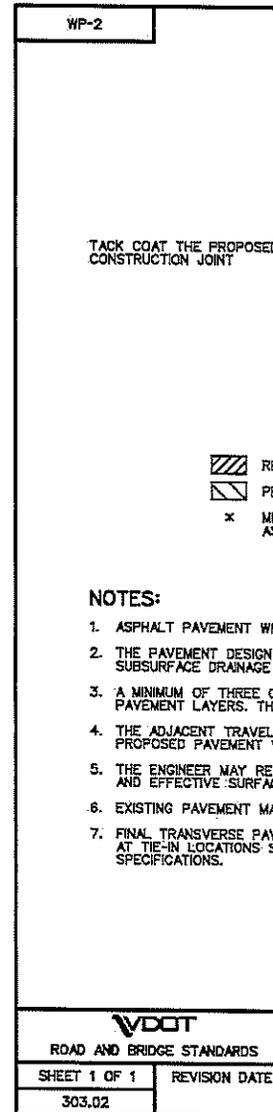
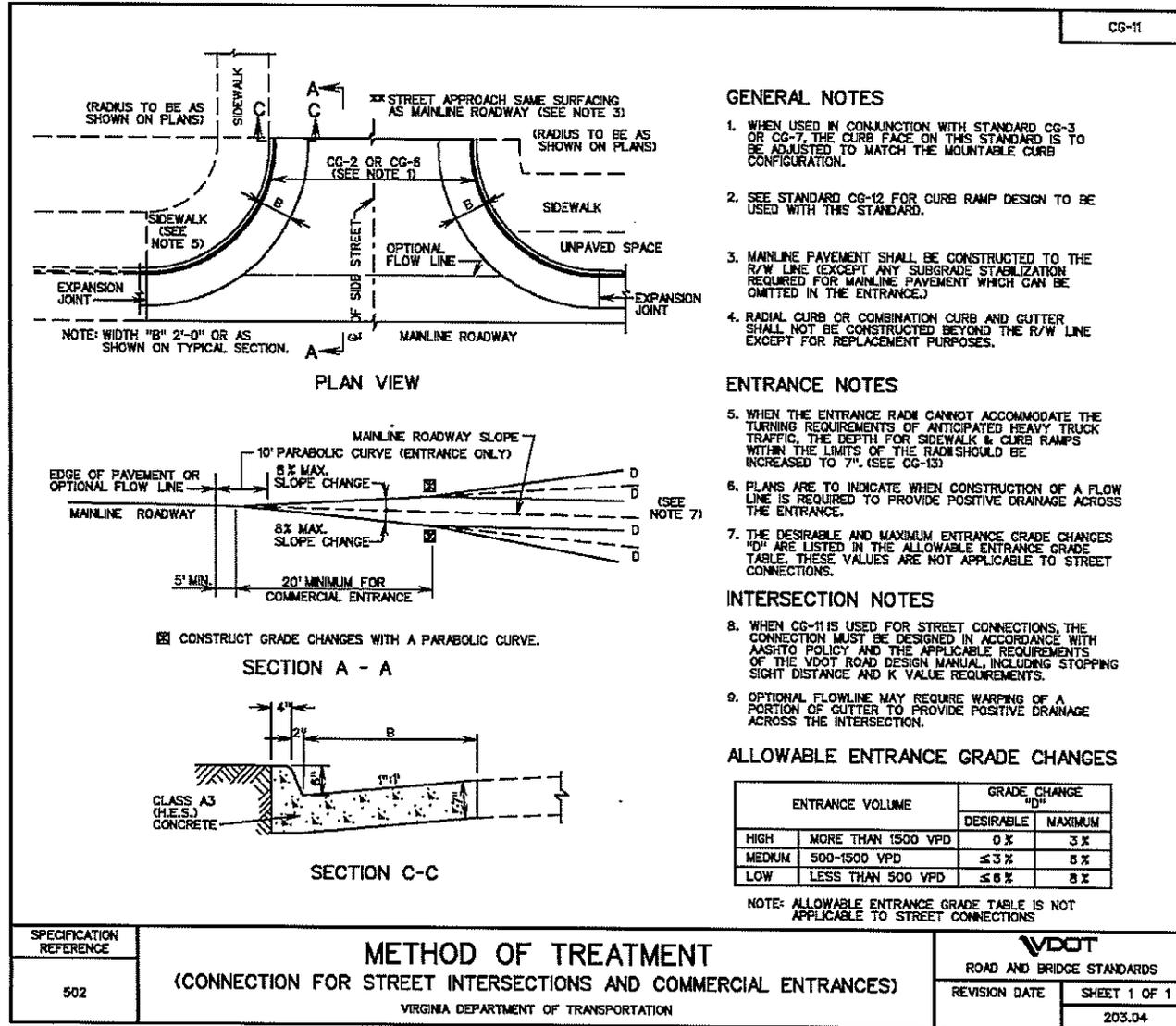
- REMOVE EXISTING ASPHALT LAYERS TO EXISTING SUBBASE AND REPLACE WITH PROPOSED ASPHALT WIDENING LAYERS
- PROPOSED MINIMUM 1 1/2 INCH THICK ASPHALT SURFACE COURSE (SEE NOTE 5)
- \* MINIMUM 12 INCHES, OR GREATER AS NECESSARY TO ABUT THE FULL THICKNESS OF EXISTING ASPHALT LAYERS AS DETERMINED BY CORES (SEE NOTE 3)

**NOTES:**

- ASPHALT PAVEMENT WIDENING SHALL HAVE A PAVEMENT DESIGN IN ACCORDANCE WITH CURRENT VDOT PROCEDURES AND BE APPROVED BY THE ENGINEER.
- THE PAVEMENT DESIGN FOR ASPHALT PAVEMENT WIDENING SHALL MEET OR EXCEED THE DEPTHS AND TYPES OF THE LAYERS OF EXISTING PAVEMENT. SUBSURFACE DRAINAGE OF THE EXISTING AND PROPOSED PAVEMENT SHALL BE ADDRESSED IN THE PAVEMENT DESIGN.
- A MINIMUM OF THREE CORES SHALL BE TAKEN ALONG THE CENTER OF THE ADJACENT TRAVEL LANE TO DETERMINE THE TYPE AND THICKNESS OF EXISTING PAVEMENT LAYERS. THESE CORES SHALL BE SPACED NO MORE THAN 500 FEET APART.
- THE ADJACENT TRAVEL LANE SHALL BE MILLED A MINIMUM DEPTH OF 1 1/2 INCHES AND REPLACED WITH AN ASPHALT SURFACE COURSE TO MATCH THE PROPOSED PAVEMENT WIDENING SURFACE COURSE, UNLESS WAIVED BY THE ENGINEER.
- THE ENGINEER MAY REQUIRE THE MILLING DEPTH OF THE EXISTING PAVEMENT TO BE ADJUSTED TO ACHIEVE AN ACCEPTABLE PAVEMENT CROSS-SLOPE AND EFFECTIVE SURFACE DRAINAGE.
- EXISTING PAVEMENT MARKINGS AND MARKERS WITHIN THE PROJECT LIMITS SHALL BE RESTORED SUBJECT TO THE APPROVAL OF THE ENGINEER.
- FINAL TRANSVERSE PAVEMENT TIE-IN SHALL CONFORM TO THE REQUIREMENTS OF SECTION 315.05(g) OF THE SPECIFICATIONS EXCEPT THAT ALL JOINTS AT TIE-IN LOCATIONS SHALL BE TESTED USING A 10 FOOT STRAIGHTEDGE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 315.07(g) OF THE SPECIFICATIONS.

<b>VDOT</b> ROAD AND BRIDGE STANDARDS	<b>ASPHALT PAVEMENT WIDENING</b> FOR WIDENING SUBJECT TO TRAFFIC VIRGINIA DEPARTMENT OF TRANSPORTATION	SPECIFICATION REFERENCE 315
SHEET 1 OF 1 303.02	REVISION DATE	

# Attachment #1 Pine Street Parking



# Attachment #1

## Pine Street Parking

CG-12

**GENERAL NOTES:**

- THE DETECTABLE WARNING SHALL BE PROVIDED BY TRUNCATED DOMES.
- DETECTABLE WARNING TO BE CLASS A-3 CONCRETE (CLASS A-4 IF PRECAST) WITH SLIP RESISTANT INTEGRAL SURFACE COVERING THE FULL WIDTH OF THE RAMP FLOOR BY 2 FOOT IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL. OTHER TYPES OF MATERIAL WITH THE TRUNCATED DOMES DETECTABLE WARNING MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
- SLOPING SIDES OF CURB RAMP MAY BE POURED MONOLITHICALLY WITH RAMP FLOOR OR BY USING PERMISSIBLE CONSTRUCTION JOINT WITH REQUIRED BARS.
- IF RAMP FLOOR IS PRECAST, HOLES MUST BE PROVIDED FOR DOWEL BARS SO THAT ADJOINING FLARED SIDES CAN BE CAST IN PLACE AFTER PLACEMENT OF PRECAST RAMP FLOOR. PRECAST CONCRETE SHALL BE CLASS A-4.
- REQUIRED BARS ARE TO BE NO. 5 X 8" PLACED 1' CENTER TO CENTER ALONG BOTH SIDES OF THE RAMP FLOOR, MID-DEPTH OF RAMP FLOOR. MINIMUM CONCRETE COVER 1/2".
- CURB / CURB AND GUTTER SLOPE TRANSITIONS ADJACENT TO CURB RAMPS ARE INCLUDED IN PAYMENT FOR CURB / CURB AND GUTTER.
- CURB RAMPS ARE TO BE LOCATED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THEY ARE TO BE PROVIDED AT INTERSECTIONS WHEREVER AN ACCESSIBLE ROUTE WITHIN THE RIGHT OF WAY OF A HIGHWAY FACILITY CROSSES A CURB REGARDLESS OF WHETHER SIDEWALK IS EXISTING, PROPOSED, OR NONEXISTENT. THEY MUST BE LOCATED WITHIN PEDESTRIAN CROSSWALKS AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER, AND SHOULD NOT BE LOCATED BEHIND VEHICLE STOP LINES, EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. ACCESSIBLE ROUTES PROVIDE A CONTINUOUS UNOBSTRUCTED, STABLE, FIRM AND SLIP RESISTANT PATH CONNECTING ALL ACCESSIBLE ELEMENTS OF A FACILITY THAT CAN BE APPROACHED, ENTERED AND USED BY PEDESTRIANS.
- RAMPS MAY BE PLACED ON RADIAL OR TANGENTIAL SECTIONS PROVIDED THAT THE CURB OPENING IS PLACED WITHIN THE LIMITS OF THE CROSSWALK AND THAT THE SLOPE AT THE CONNECTION OF THE CURB OPENING IS PERPENDICULAR TO THE CURB.
- TYPICAL CONCRETE SIDEWALK IS 4" THICK. WHEN THE ENTRANCE RADI CANNOT ACCOMMODATE THE TURNING REQUIREMENTS OF ANTICIPATED HEAVY TRUCK TRAFFIC, REFER TO STANDARD CG-13, COMMERCIAL ENTRANCE (HEAVY TRUCK TRAFFIC) FOR CONCRETE DEPTH.
- WHEN CURB RAMPS ARE USED IN CONJUNCTION WITH A SHARED USE PATH, THE MINIMUM WIDTH SHALL BE THE WIDTH OF THE SHARED USE PATH.
- WHEN ONLY ONE CURB RAMP IS PROVIDED FOR TWO CROSSINGS (DIAGONAL), A 4' x 4' LANDING AREA SHALL BE PROVIDED TO MANEUVER A WHEELCHAIR INTO THE CROSSWALK WITHOUT GOING INTO THE TRAVELWAY. THIS 4' x 4' LANDING AREA MAY INCLUDE THE GUTTER PAN.
- ALL CASES WHERE CURB RAMPS INTERSECT A RADIAL SECTION OF CURB AT ENTRANCES OR STREET CONNECTIONS THE DETECTABLE WARNING SURFACE SHALL HAVE A FACTORY RADIUS OR BE FIELD MODIFIED AS RECOMMENDED BY THE MANUFACTURER TO MATCH THE BACK OF CURB.

**TYPE A PERPENDICULAR**

**TYPE B PARALLEL**

**TYPE C PARALLEL & PERPENDICULAR**

LANDING RAMP  
DETECTABLE WARNING AT BACK OF CURB SEE NOTE 12.

TRUNCATED DOME  
150%-65% OF BASE DIAMETER TOP DIAMETER  
0.9"-1.4" BASE DIAMETER

DETECTABLE WARNING  
1.6"-2.4" C-C  
2'-0"

VDOT ROAD AND BRIDGE STANDARDS  
SHEET 1 OF 5 REVISION DATE 203.05 7/11

**CG-12 DETECTABLE WARNING SURFACE (GENERAL NOTES)**  
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE  
105 502

CG-12

#5 DOWELS, 8" LONG AT 12" C-C  
5" MIN  
12:1 MAX  
RAMP (SEE TABLE)

BACK OF CURB  
20:1  
2" MIN. SECT I

NOTES: FOR GENERAL NOTES ON SEE SHEET 1 OF 5.  
THE REQUIRED LENGTH OF IS LIMITED TO 15 FEET, R SLOPE.

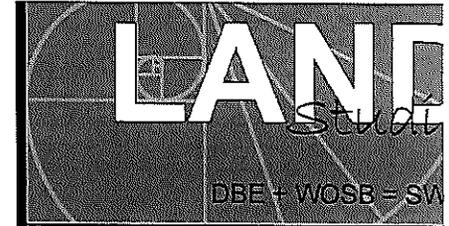
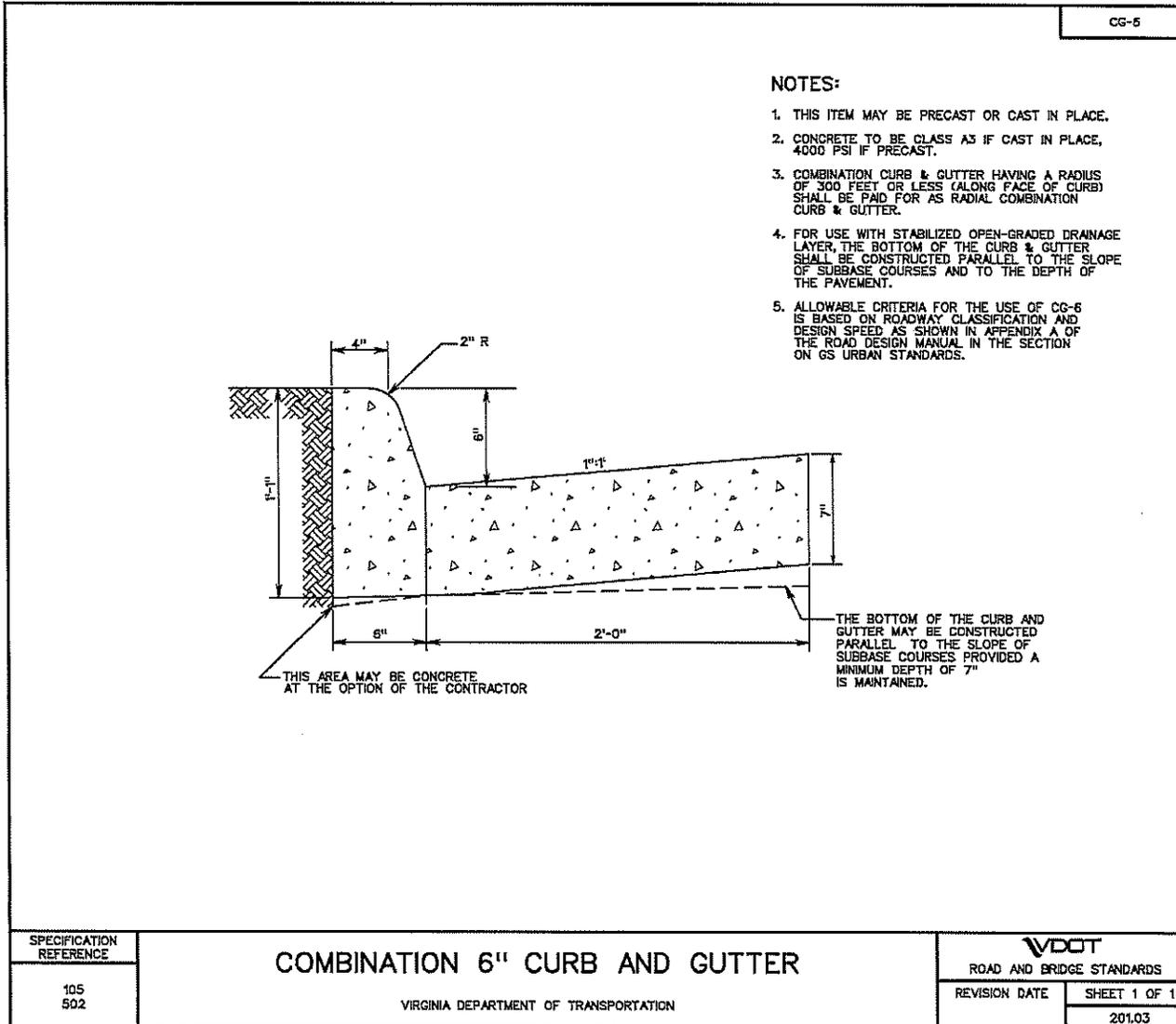
TYPE B PAR APPLICATION	
ROADWAY GRADE IN PERCENT	MINIMUM 4" CURB
0	4
1	5
2	5
3	6
4	8
5	10
6	14

VDOT ROAD AND BRIDGE STANDARDS  
SHEET 3 OF 5 REVISION DATE 203.07 7/11



# Attachment #1

## Pine Street Parking



- LAND PLANNING
- LANDSCAPE ARCHITECTURE
- CIVIL ENGINEERING

[www.landstudiopc.com](http://www.landstudiopc.com)

5750 CHESAPEAKE BOULEVARD  
 SUITE 203A  
 NORFOLK, VA 23513  
 PHONE: (757) 858-8585  
 FAX: (757) 858-2070

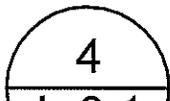
CIVIL

SURVEYOR

SHORELINE SURVEYORS  
 23314 COURTHOUSE AVE - P.O. BOX 7  
 ACCOMAC, VIRGINIA 23418  
 PHONE: 757.789.3960  
 FAX: 757.789.3962

OTHER

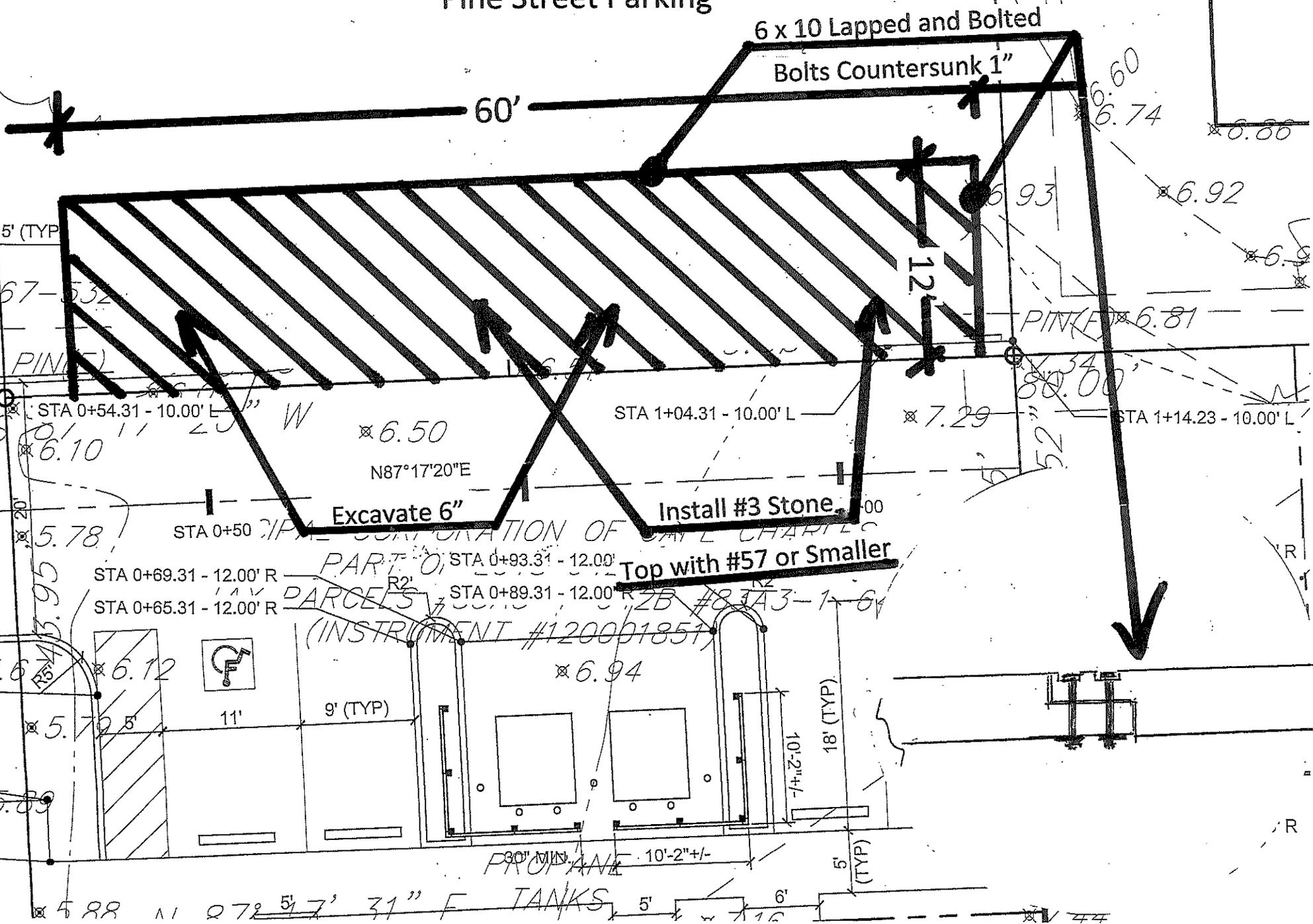
OFFICIAL SEAL



VDOT CG-6

Attachment #1  
Pine Street Parking

FRAM  
FF



6 x 10 Lapped and Bolted

Bolts Countersunk 1"

60'

5' (TYP)

12"

367-532

PINE

STA 0+54.31 - 10.00' L

STA 1+04.31 - 10.00' L

STA 1+14.23 - 10.00' L

6.50

N87°17'20"E

Excavate 6"

Install #3 Stone

Top with #57 or Smaller

STA 0+50

STA 0+93.31 - 12.00'

STA 0+89.31 - 12.00'

STA 0+69.31 - 12.00' R

STA 0+65.31 - 12.00' R

(INSTRUMENT #120001851)



11'

9' (TYP)

6.94

18' (TYP)

10'-2 1/4" +/-

30" MIN

10'-2" +/-

5' (TYP)

5.88

5.7' 31" F TANKS

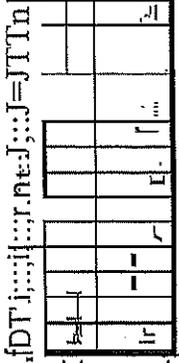
5'

6'

44

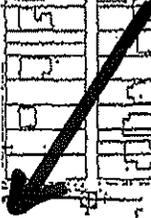
WASHINGTON AVENUE  
PUMP STATION

Washington Avenue



Jefferson Avenue

**Project Location**

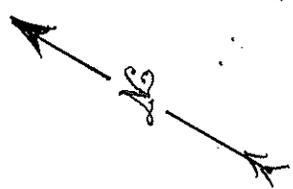


Pine Street



Harbor Avenue

Bay Avenue

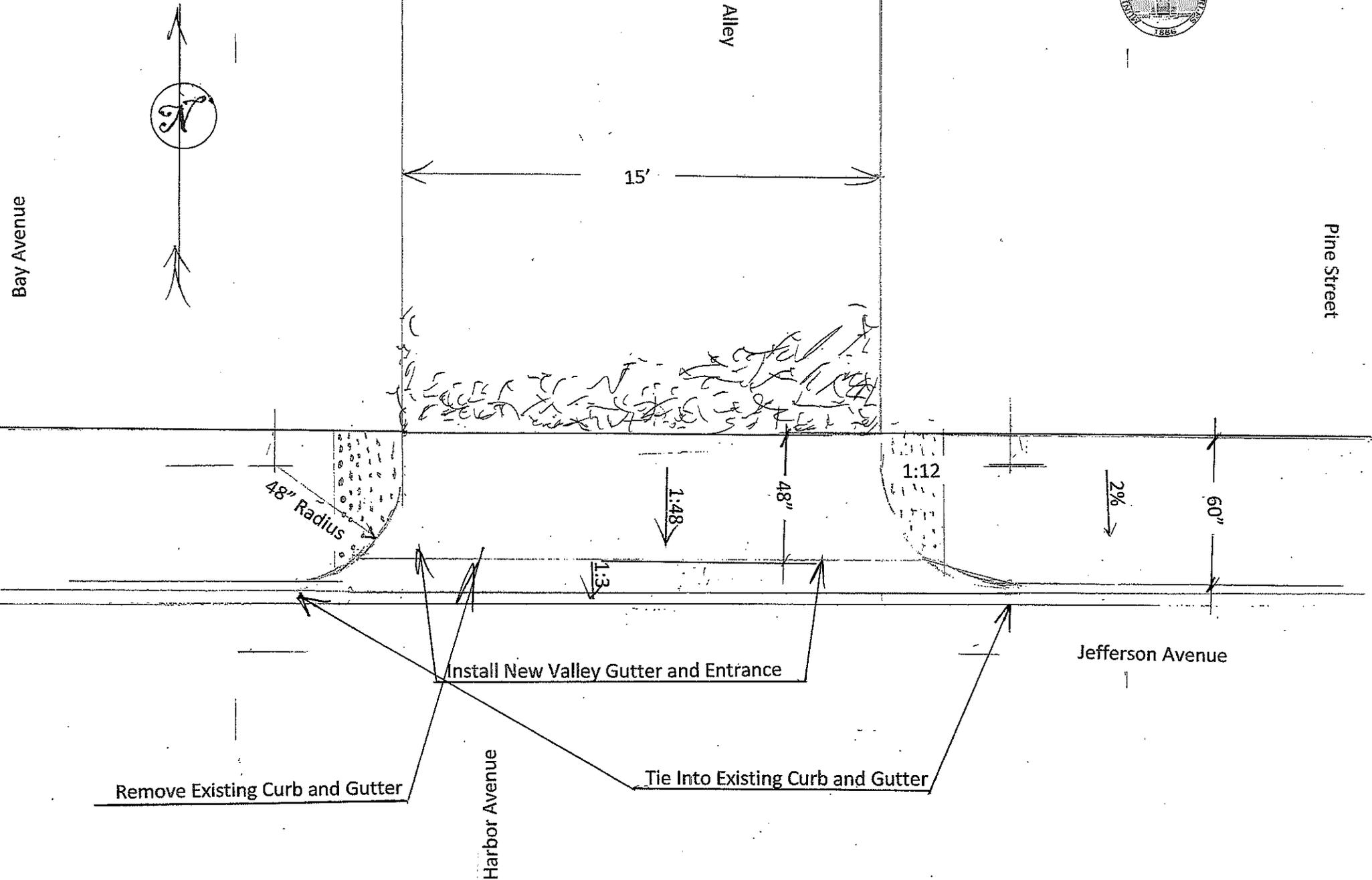


Attachment #2



# Attachment #2

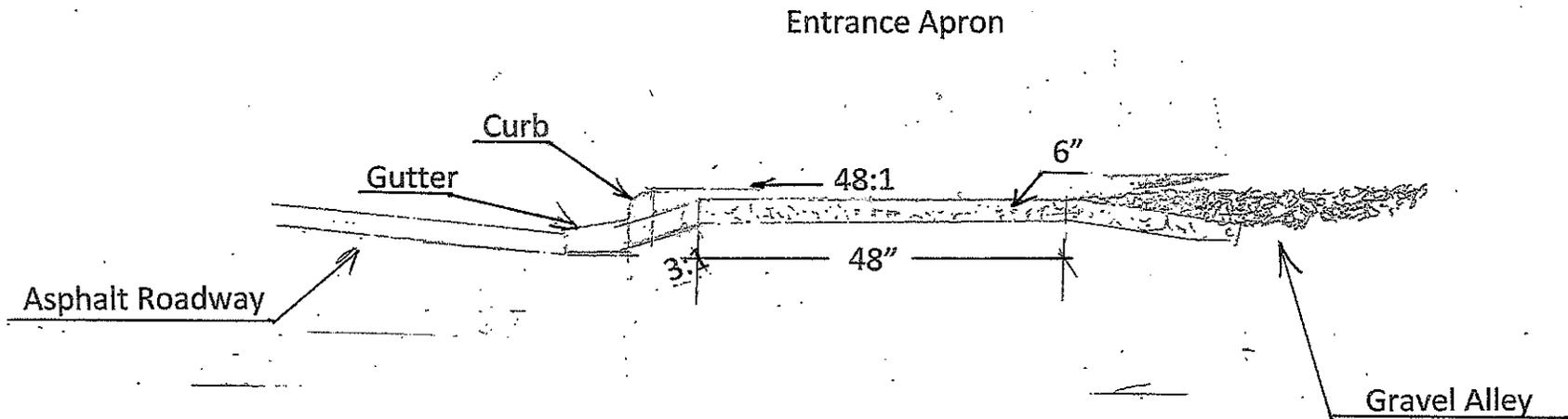
## Harbor Avenue Extended Alley Way Entrance



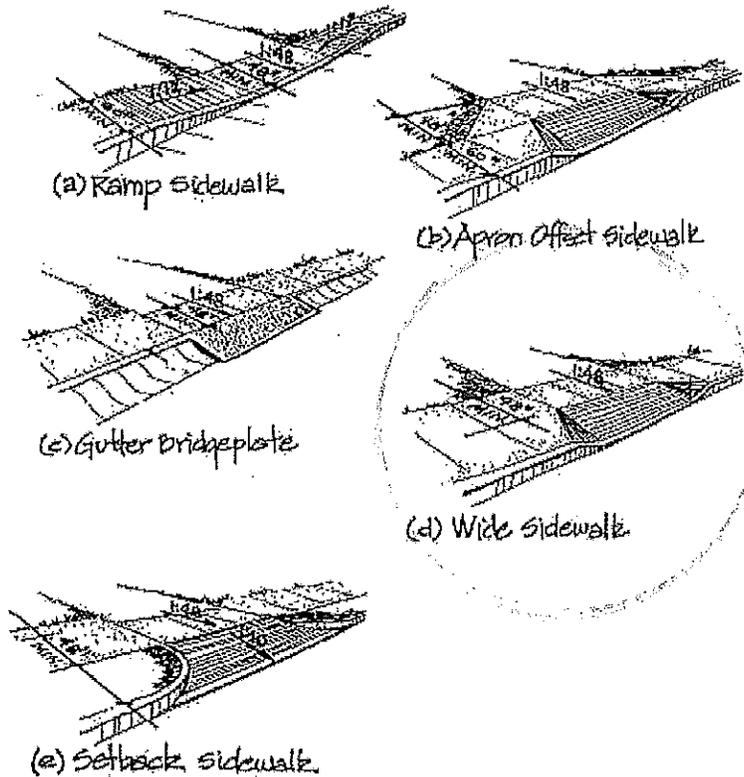
# Harbor Avenue Extended Alley Way Entrance



## Attachment #2 (Section)



The following text and graphics (see Exhibit 2-38) were taken from *Building a True Community: Report of the Public Rights of Way Access Advisory Committee (Access Board, 2001)*.



#### **Sidewalk/Alley or Driveway Connections**

Isometric views of five public sidewalk and driveway or alleyway connections. Illustrations show minimum PAR width of 48 inches (1220 mm) at the driving area and indicate maximum allowable cross slopes.

Source: PROWAAC, *Building a True Community*, Fig. X02.1A, p.37

EXHIBIT 2-38 Five means of treating sidewalk and driveway crossings

“X02.1.3 Clear Width....EXCEPTIONS:

1. **Driveways and alleyways.** Where public sidewalks intersect driveways or alleyways, the width of the pedestrian access route may be reduced to 48 inches (1220mm) across the driveway.

*Advisory: Excessive cross slope or change in cross slope on driveway aprons can be a significant barrier to public sidewalk use. Even with narrow public sidewalks along the curb, it is possible to design a public sidewalk to pass across the driveway apron without exceeding the 1:48 cross slope limitation. Existing non-complying aprons can be reconstructed to achieve a usable cross slope for a width of 48 inches. By breaking the*