

Bid#36-19
Spinney Road & Middle Street Sidewalks

Addendum #1
Issued: February 15, 2019

This addendum forms part of the original document marked “**Bid 39-19 Spinney Road & Middle Street Sidewalks**”.

Addendum#1 adds two brick sidewalk sections to the Middle Street Site.

Changes to Bid Document:

1. The bid proposal pages have been replaced in their entirety.
 - A Brick sidewalk bid item has been added.
 - Projected quantity of concrete sidewalks has been reduced.
 - Additional quantities have been added to Item 403.12 (hand method paving).
2. Added to specifications: SPECIAL PROVISION TO SECTION 608: Section 608.5 Brick Sidewalk.
3. Drawings revised in bid document: Middle Street sheet and detail sheet. See revised sheets 3 and 5 attached.

Bidders are to acknowledge this addendum within their proposals. Failure to do so may subject a bidder to disqualification.

PROPOSAL FORM

Hoover/Taft Area Drainage Improvements

CITY OF PORTSMOUTH, N.H.

To the City of Portsmouth, New Hampshire, herein called the Owner.

The undersigned, as Bidder, herein referred to as singular and masculine declares as follows:

1. All interested in the Bid as Principals are named herein.
2. This bid is not made jointly, or in conjunction, cooperation or collusion with any other person, firm, corporation, or other legal entity;
3. No officer, agent or employee of the Owner is directly or indirectly interested in this Bid.
4. The bidder has carefully examined the sites of the proposed work and fully informed and satisfied himself as to the conditions there existing, the character and requirements of the proposed work, the difficulties attendant upon its execution and the accuracy of all estimated quantities stated in this Bid, and the bidder has carefully read and examined the Drawings, Agreement, Specifications and other Contract Documents therein referred to and knows and understands the terms and provisions thereof;
5. The bidder understands that the quantities of work calculated in the Bid or indicated on the Drawings or in the Specifications or other Contract Documents are approximate and are subject to increase or decrease or deletion as deemed necessary by the Portsmouth City Engineer. Any such changes will not result in or be justification for any penalty or increase in contract prices; and agrees that, if the Bid is accepted the bidder will contract with the Owner, as provided in the Contract Documents, this Bid Form being part of said Contract Documents, and that the bidder will supply or perform all labor, services, plant, machinery, apparatus, appliances, tools, supplies and all other activities required by the Contract Documents in the manner and within the time therein set forth, and that the bidder will take in full payment therefore the following item prices, to wit:

PROPOSAL FORM
BASE BID

| ITEM # | Est. Qty | Unit | ITEM DESCRIPTION | UNIT PRICE IN FIGURES | ITEM TOTAL IN FIGURES |
|---------------|-----------------|-------------|---|----------------------------------|----------------------------------|
| 203.1 | 750 | CY | Common Excavation of all Existing Sidewalks, Pavement, Loam Etc. | _____ | _____ |
| 203.601 | 15 | CY | Embankment in Place (F) | _____ | _____ |
| 206.19 | 10 | CY | Exploratory Excavation | _____ | _____ |
| 206.2 | 5 | CY | Rock Structure Excavation | _____ | _____ |
| 304.3 | 350 | CY | Crushed Gravel | _____ | _____ |
| 403.12 | 190 | TON | Hot Bituminous Pavement, Hand Method | _____ | _____ |
| 520.1 | 80 | CY | Concrete Curb Backfill | _____ | _____ |
| 603.82212 | 48 | LF | 12" PE pipe (soil tight, double wall, smooth interior) | _____ | _____ |
| 604.124 | 2 | EA | CB <u>or</u> DI Type B | _____ | _____ |
| 604.0007 | 2 | EA | CB Liner | _____ | _____ |
| 604.51 | 2 | VF | Adjust Exist SMH's to Grade | _____ | _____ |
| 608.24 | 1450 | SY | 4" Concrete Sidewalk | _____ | _____ |
| 608.26 | 120 | SY | 6" Concrete Sidewalk for Intersection Tip Downs | _____ | _____ |
| 608.5 | 270 | SY | Brick Sidewalk | _____ | _____ |
| 608.54A | 3 | SY | Rectangular Cast Iron Panels | _____ | _____ |
| 608.54B | 22 | SY | Radiused Cast Iron Panels | _____ | _____ |
| 609.015 | 960 | LF | 5" Wide Vertical Granite Curb | _____ | _____ |
| 609.016 | 1025 | LF | 6" Wide Vertical Granite Curb | _____ | _____ |
| 609.025 | 50 | LF | 5" Wide Curved Vertical Granite Curb | _____ | _____ |
| 609.026 | 140 | LF | 6" Wide Curved Vertical Granite Curb | _____ | _____ |
| ITEM # | Est. Qty | Unit | ITEM DESCRIPTION | UNIT PRICE IN FIGURES | ITEM TOTAL IN FIGURES |

| | | | | | |
|-----------|-----|----|--|-------|-------|
| 609.5 | 490 | LF | Reset Granite Curb (all types) | _____ | _____ |
| 611.90001 | 19 | EA | Adjust Existing WSO Hayes Box | _____ | _____ |
| 618.7 | 650 | HR | Flaggers | _____ | _____ |
| 619.1 | 1 | U | Maintenance of Traffic | _____ | _____ |
| 632.0104 | 125 | LF | Retroreflective Painted Pavement Marking 4" Line | _____ | _____ |
| 632.911 | 125 | LF | Obliterate Pavement Marking Line | _____ | _____ |
| 641 | 400 | SY | 4" Loam and Seed | _____ | _____ |
| 692 | 1 | U | Mobilization | _____ | _____ |

Total for Base Bid \$ _____.

ADD ALTERNATE BID 1

(Milling, paving and striping on Spinney Rd from approx. 100' from Islington to Middle Rd). Add the following approximate quantities:

| ITEM # | Est. Qty | Unit | ITEM DESCRIPTION | UNIT PRICE IN FIGURES | ITEM TOTAL IN FIGURES |
|----------|----------|------|---|--------------------------|--------------------------|
| 403.11 | 420 | Tons | Hot Bituminous Pavement, Machine Method | _____ | _____ |
| 417 | 4900 | SY | Cold Planing Bituminous Surfaces | _____ | _____ |
| 604.4 | 2 | VF | Adjust Existing Catch Basins to Grade | _____ | _____ |
| 604.5 | 2 | VF | Adjust Drain Manholes to Grade | _____ | _____ |
| 604.51 | 2 | VF | Adjust Sewer Manholes to Grade | _____ | _____ |
| 618.7 | 60 | HR | Flaggers | _____ | _____ |
| 632.0104 | 3466 | LF | Retroreflective Painted Pavement Marking 4" Line | _____ | _____ |
| 632.0212 | 240 | LF | Retroreflective Thermoplastic Pavement Marking 12" Line | _____ | _____ |

Total for Add/Alt Bid \$ _____.

TOTAL FOR BID (Base Bid + Add/Alt Bid) **This is the Basis of Award** _____

In Figures \$ _____.

In Words \$ _____

- To Bidder:

The City reserves the right, after bid opening and prior to award of the contract, to modify the amount of the work in the event that bids exceed budgeted amounts.

It is the intention of this contract that the items listed above describe completely and thoroughly the entirety of the work as shown on the plans and as described in the specifications. All other items required to accomplish the above items are considered to be subsidiary work, unless shown as a pay item.

The undersigned agrees that for extra work, if any, performed in accordance with the terms and provisions of the Contract Documents, the bidder will accept compensation as stipulated therein.

Date

Company: _____ By: _____
Signature

Business Address _____ Title: _____

City, State, Zip Code _____ Telephone: _____

We certify that the Company is currently pre-qualified with the State of New Hampshire for Road Construction.

Signature

Printed Name & Title

The Bidder has received and acknowledged Addenda No. _____ through _____.
All Bids are to be submitted on this form and in a sealed envelope, plainly marked on the outside with the Bidder's name and address and the Project name as it appears at the top of the Proposal Form.

SPECIAL PROVISION

To Section 608 (NHDOT Standard Specifications) Sidewalks
(not a NHDOT Standard Specification)

Amend Section 608 to read:

SECTION 608.5 Brick Sidewalk

6.01 SCOPE OF WORK

- A. The work shall consist of constructing brick sidewalks as directed in the field by the Engineer.

6.02 METHODS OF CONSTRUCTION

- A. All labor and materials shall conform to the State of New Hampshire Standard Specifications for Road and Bridge Construction, Section 608.
- B. New bricks shall be Pinehall Full Range Pathway and conform to the requirements of ASTM Standard Specifications for Building Bricks Designation C902 SX type 1. The bricks shall be No. 1, wire cut type for paving, with a compressive strength of not less than 8,000 pounds per square inch. The bricks shall not be cored or have frogs and shall be of a standard size (2.25" x 4" x 8"). The Engineer will have 5 working days to approve the brick submittals before they are installed. It is the responsibility of the Contractor to provide suitable brick samples for approval.
- C. Excavation for sidewalks shall be at a depth of 13 inches below finish grade. In areas not butting curbing or buildings, the excavation shall be 6 inches wider than the finished sidewalk width. At all drive crossings, the depth of excavation shall be increased accordingly. The Contractor's price shall include neat and square cutting of existing asphalt road surface as needed. All unsuitable material shall be removed and disposed of off-site at the Contractor's own expense.
- D. The base material for sidewalks shall consist of 8" of type 304.3 crushed gravel.
- E. The Contractor shall lay the bricks so that approximately 4.5 bricks shall cover one square foot.
- F. The sidewalk shall pitch 1/4 inch per foot towards the street or as directed.
- G. In areas where the edge of the brick sidewalk is not adjacent to granite curbing, the Contractor shall install edging to hold the bricks in place. Such edging shall be installed per the manufacturer's recommendations.
- H. In areas with a closed drainage system, the contractor shall provide "silt sacks" to prevent brick dust from entering the collection system. Also, the area will be swept daily to keep dust levels as low as possible.

- I. All half bricks will be snapped if possible and all efforts will be made to keep brick dust to a minimum. All cuts not made by snapping will be wet cut.
- J. Prior to placing the brick, the sidewalks will be paved parallel to grade with 3/8" bituminous asphalt top hot mix paving 2" compacted thickness. Paving for this will be paid for under item 403.12. 1" of 1:3 dragon type II portland cement / course sand mix will then be placed on the asphalt base and the pavers will be dry laid on the mixture.

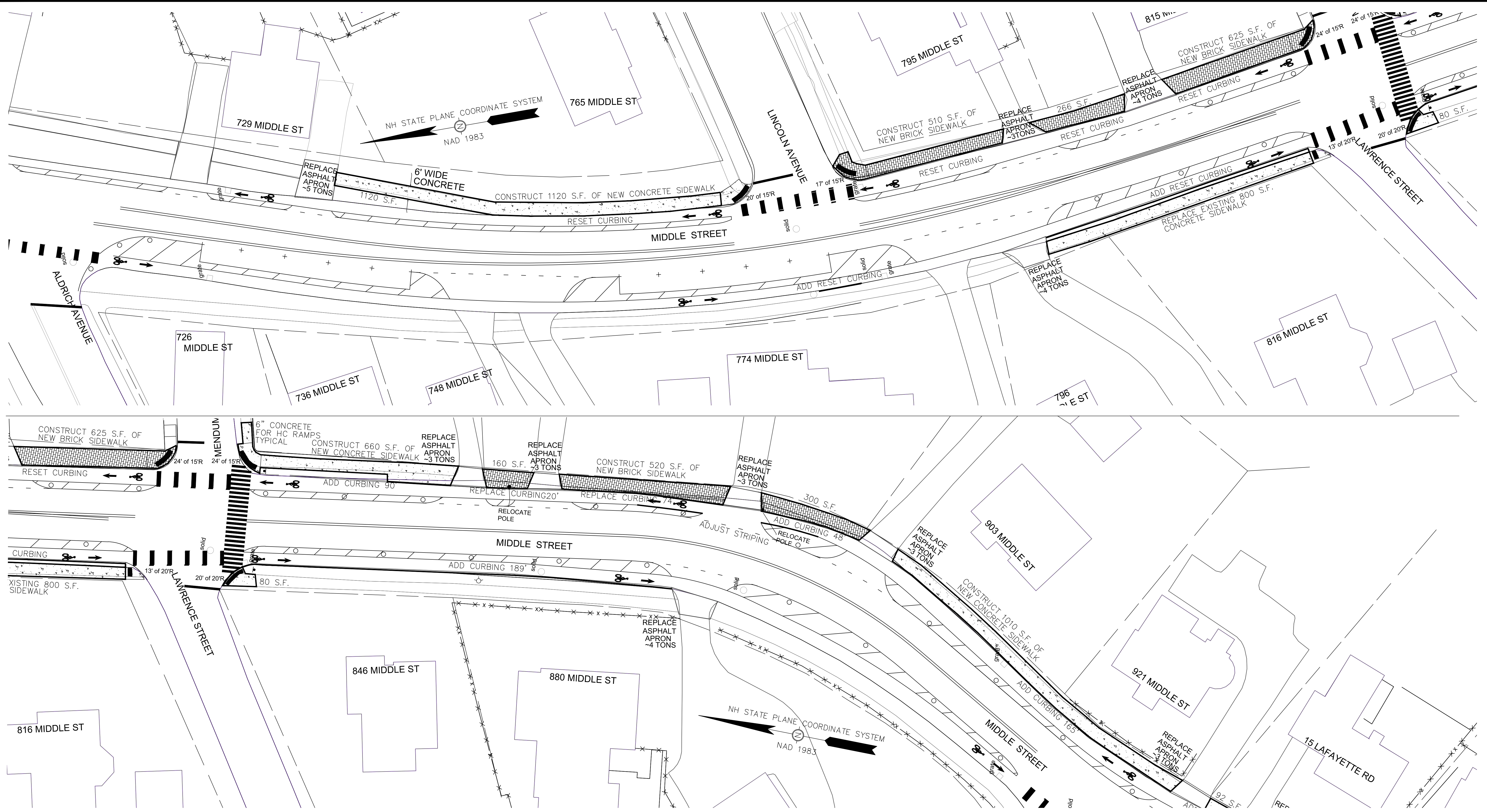
Method of Measurement

4.1 This item is measured by the square foot.

Basis of Payment

Pay Item and Unit

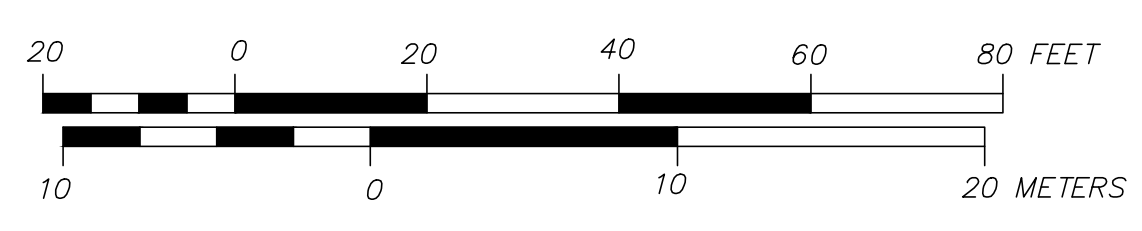
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|--------|-------------------------------|-------------|
| 304.3 | Crushed Gravel in Place | Cubic Yard |
| 403.12 | Hand Method Bituminous Paving | Ton |
| 608.5 | Brick Sidewalk | Square Foot |



| REV. NO. | DATE | DESCRIPTION | D.W. |
|----------|-----------|-----------------------------|---------|
| 1 | 2/13/2019 | ADD BRICK SIDEWALK SECTIONS | APPRO'D |

PROPOSED SIDEWALK PLAN
MIDDLE ST SIDEWALK PROJECT
PORTSMOUTH, NEW HAMPSHIRE
 for
CITY OF PORTSMOUTH
DEPARTMENT OF PUBLIC WORKS

| | |
|-----------|-----------|
| DATE: | 1/14/2019 |
| JOB NO: | 7137 |
| SCALE: | 1" = 20' |
| DWG NAME: | |
| PLAN NO: | |
| SHEET: | 3 OF 5 |

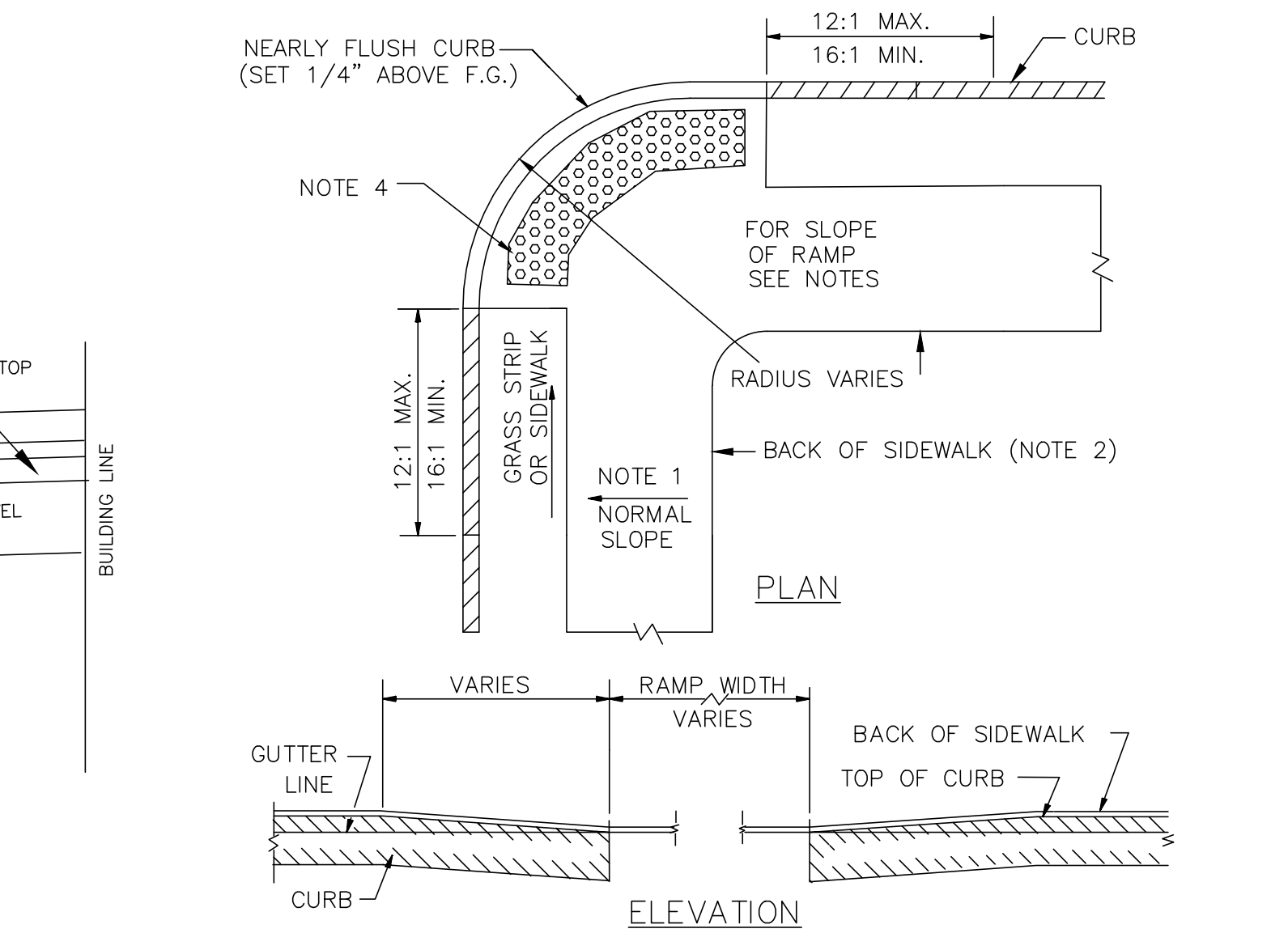
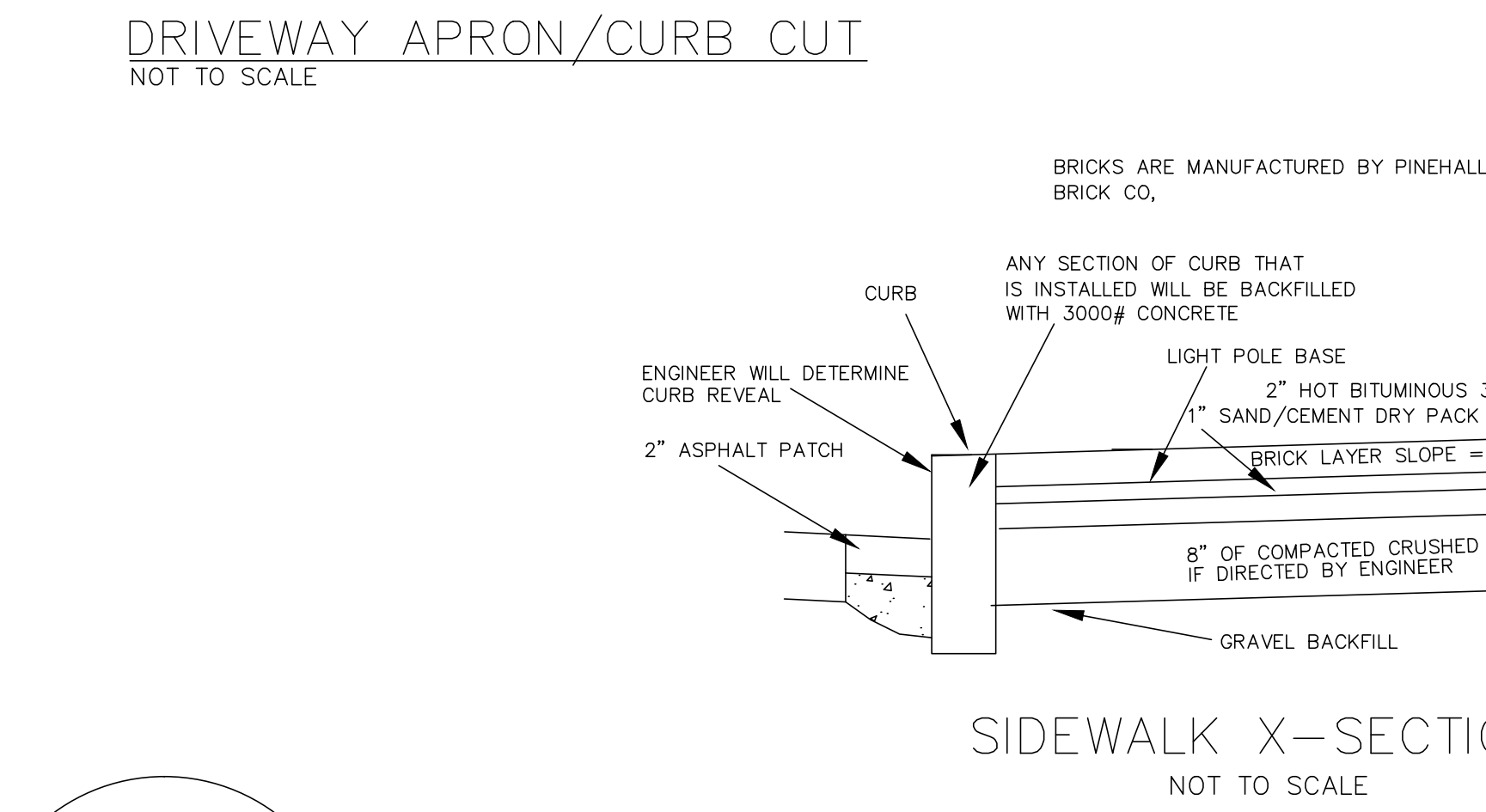
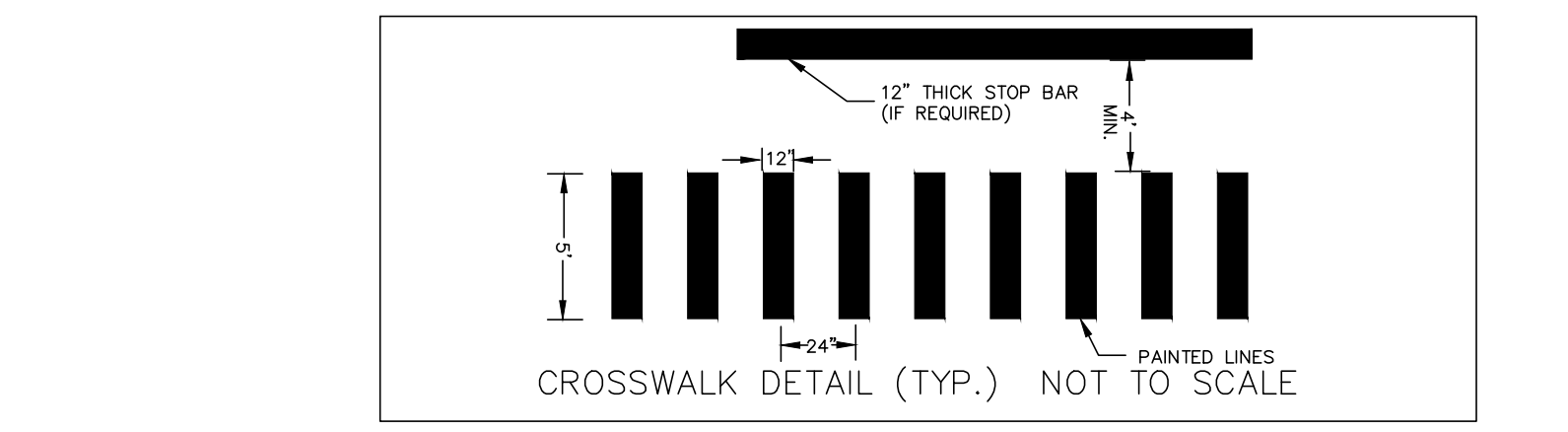
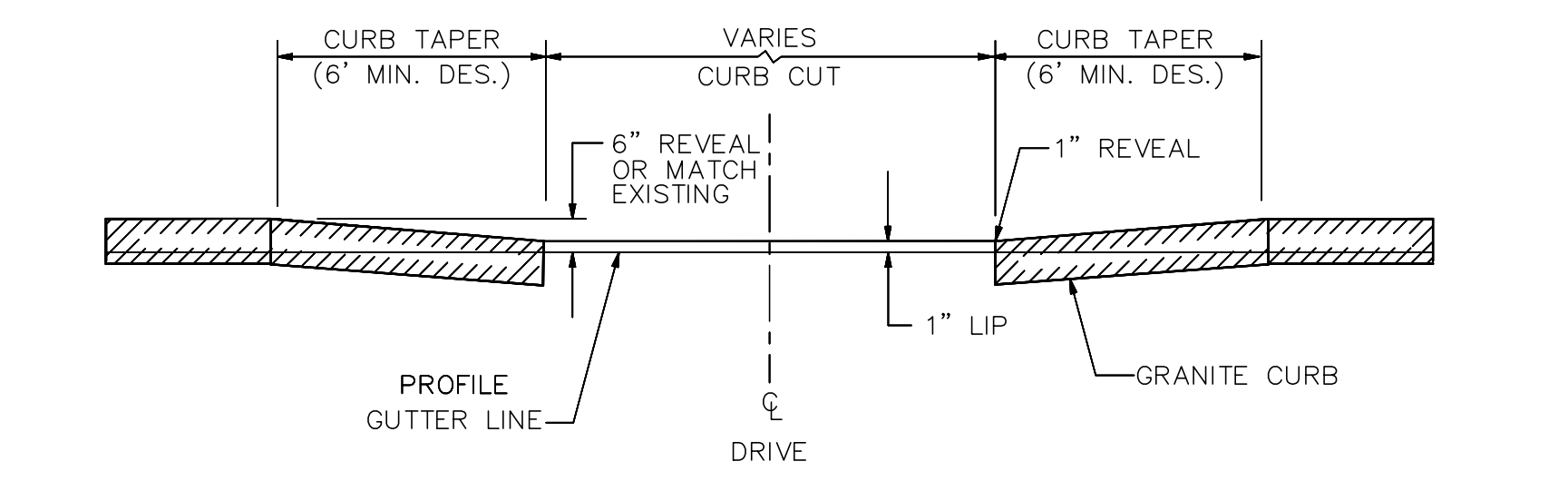
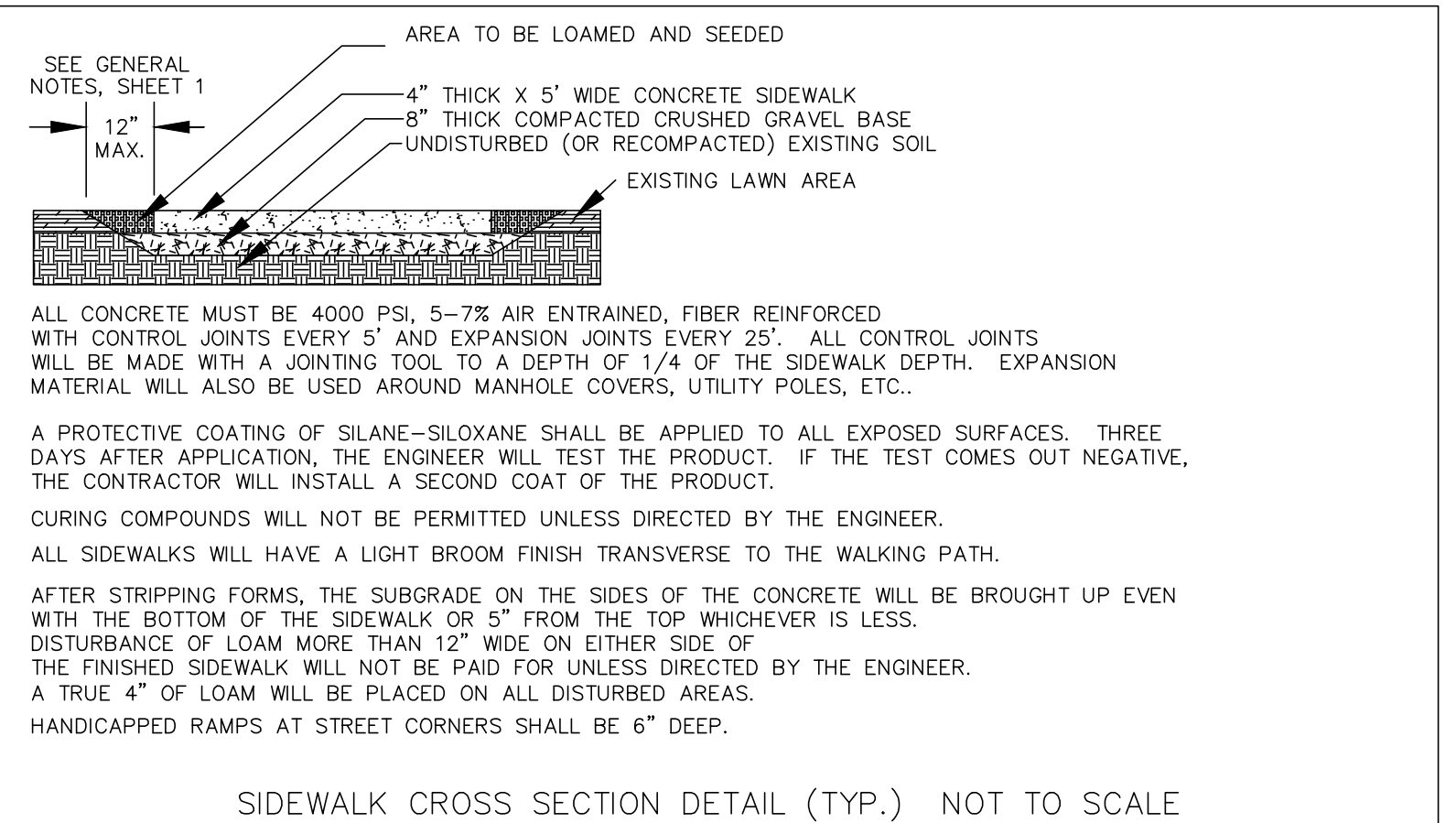
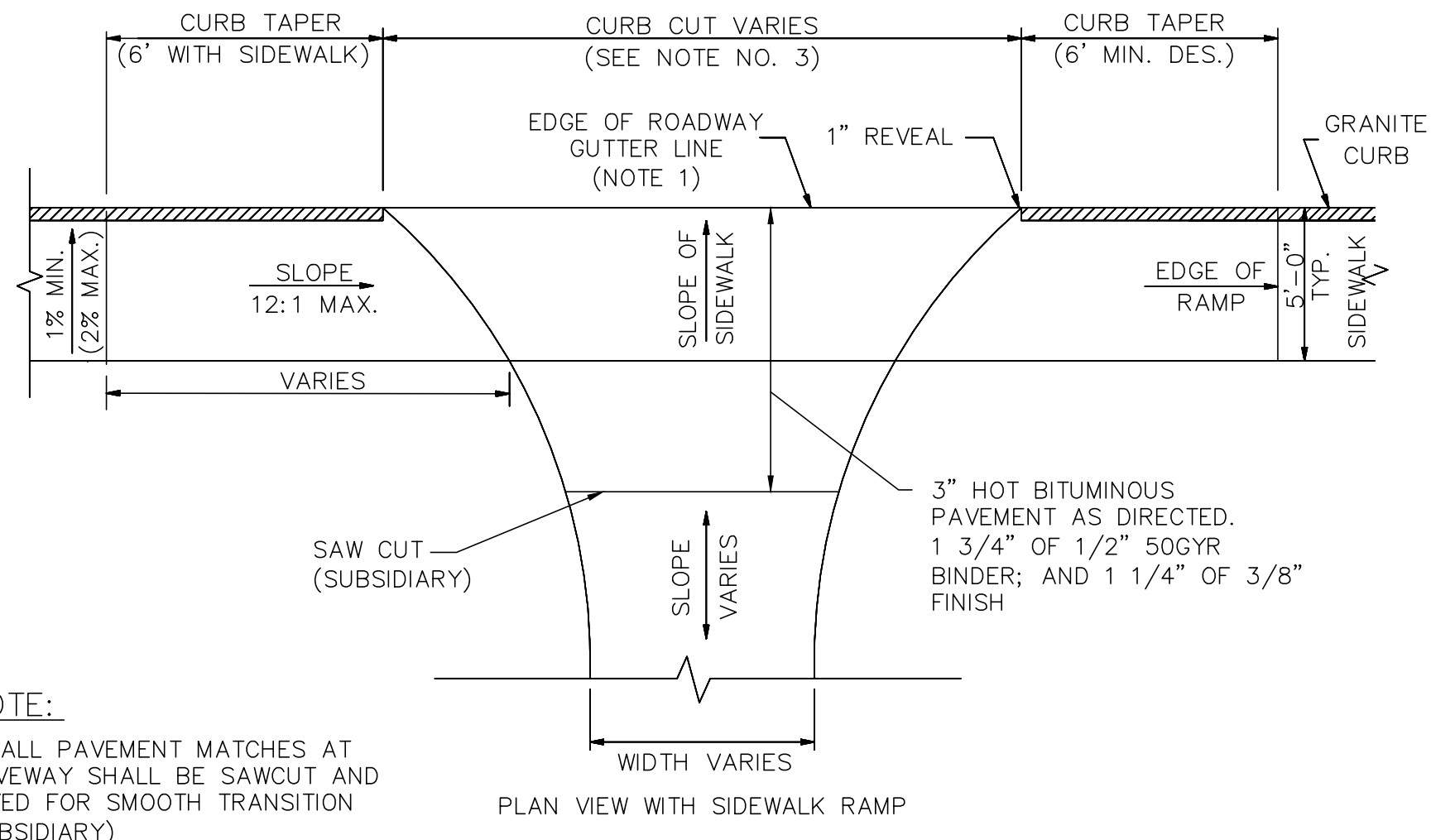


STANDARD CB & MANHOLE NOTES:

1. BARRELS AND TOP SECTIONS SHALL BE PRECAST REINFORCED CONCRETE.
2. PRECAST CONCRETE BARREL SECTIONS, CONES, AND BASES SHALL CONFORM TO ASTM C478.
3. INVERTS AND SHELVES: MANHOLES SHALL HAVE A BRICK PAVED SHELF AND INVERT. CONSTRUCTED TO CONFORM TO THE SIZE OF PIPE AND FLOW. CARE SHALL BE TAKEN TO INSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE INVERT. INVERT BRICKS SHALL BE LAID ON EDGE. AT CHANGES IN DIRECTION, THE INVERTS SHALL BE LAID OUT IN CURVES OF THE LONGEST POSSIBLE TANGENT TO THE CENTER LINE OF THE PIPES. SHELVES SHALL BE CONSTRUCTED TO AN ELEVATION OF 1/2 THE PIPE DIA. AND SLOPE TO DRAIN TOWARD THE FLOWING THROUGH CHANNEL.
4. FRAMES AND COVERS: MANHOLE FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 30-INCH CLEAR OPENING. LETTER "D" OR WORD "DRAIN", IN 3-INCH LETTERS SHALL BE PLAINLY CAST INTO THE CENTER OF EACH COVER.
5. BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATTER AND MEETING ASTM C33. STONE SIZE NO. 67.
 - 100% PASSING 1 INCH SCREEN
 - 0-10% PASSING #4 SIEVE
 - 90-100% PASSING 3/4 INCH SCREEN
 - 0- 5% PASSING #8 SIEVE
 - 20- 55% PASSING 3/8 INCH SCREEN
6. SHALLOW MANHOLE: IN LIEU OF A CONE SECTION, WHEN MANHOLE IS LESS THAN 5 FEET, A REINFORCED CONCRETE SLAB COVER HAVING AN ECCENTRIC ENTRANCE AND CAPABLE OF SUPPORTING H=20 LOADS MAY BE USED.

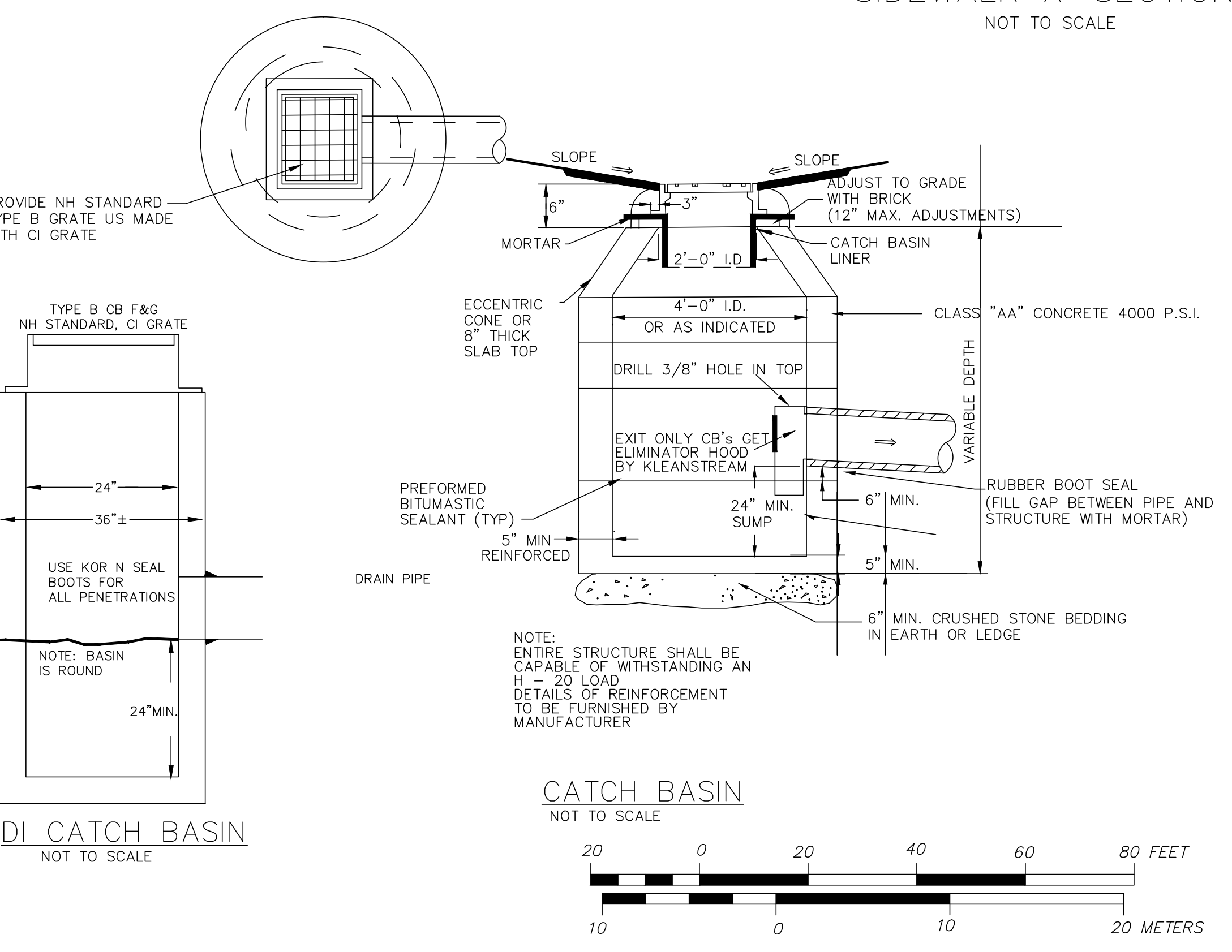
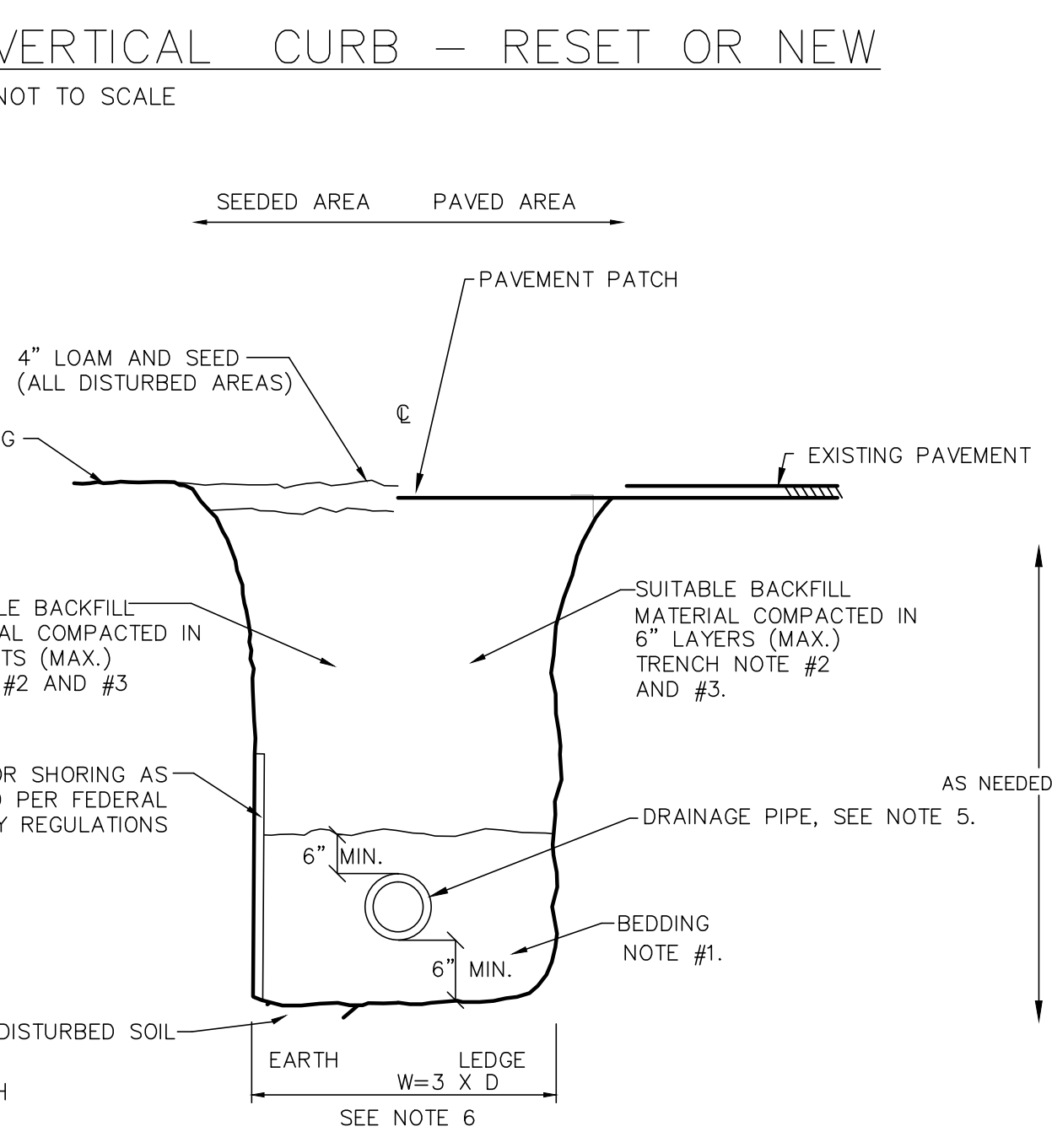
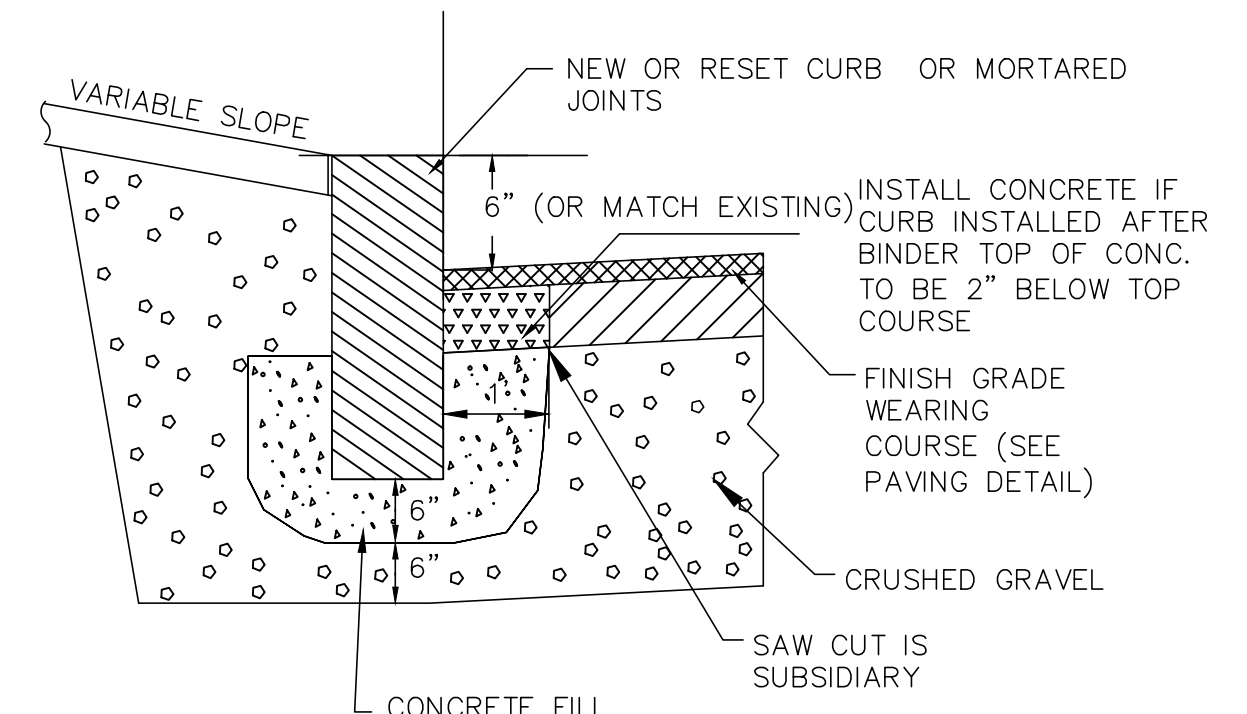
LEGEND:

| | |
|--|--|
| <ul style="list-style-type: none"> STONE WALL IRON ROD IRON PIPE BOUND as DESCRIBED WOOD HUB SURVEY NAIL DRILL HOLE CHAIN LINK FENCE POST & RAIL FENCE PRIVACY FENCE PSNH.....PUBLIC SERVICE CO. OF NH EVS.....EVERSOURCE 110-5.....TAX SHEET - LOT NUMBER RCRD.....ROCKINGHAM COUNTY REGISTRY OF DEEDS EOP.....EDGE OF PAVEMENT SAC.....SLOPED FACED ASPHALT CURB SGC.....SLOPED FACED GRANITE CURB VCC.....VERTICAL FACED CONCRETE CURB VGC.....VERTICAL FACED GRANITE CURB BOLLARD SIGN DOUBLE POST SIGN UTILITY POLE UTILITY POLE W/TRANSFORMER UTILITY POLE WITH ARM & LIGHT GUY ELECTRICAL CONDUIT ELECTRICAL BOX ELECTRIC METER TELEPHONE RISER BLACK STEEL/COATED STEEL GAS LINE PLASTIC GAS LINE GAS METER GAS SHUT OFF | <ul style="list-style-type: none"> GAS VALVE WATER GATE VALVE WATER SHUT OFF VALVE HYDRANT CATCH BASIN CATCH BASIN DRAIN MANHOLE SEWER MANHOLE TREE LINE/BRUSH LINE CONIFEROUS TREE DECIDUOUS TREE CONIFEROUS SHRUB DECIDUOUS SHRUB WATER LINE SEWER LINE DRAIN LINE GAS LINE UNDERGROUND ELECTRIC UNDERGROUND COMMUNICATIONS UNDERGROUND UTILITIES OVERHEAD WIRES OVERHEAD ELECTRIC CEMENT CONCRETE PAVERS CRUSHED STONE RIP RAP LANDSCAPED AREA RIGHT OF WAY SPOT GRADE |
|--|--|



TRENCH NOTES - STORM DRAIN

1. **BEDDING:** BEDDING FOR PIPES SHALL CONSIST OF PREPARING THE BOTTOM OF THE TRENCH TO SUPPORT THE ENTIRE LENGTH OF THE PIPE AT A UNIFORM SLOPE AND ALIGNMENT. CRUSHED STONE SHALL BE USED TO BED THE PIPE TO THE ELEVATION SHOWN ON THE DRAWINGS. NORMAL PIPE BEDDING IS CRUSHED STONE TO THE HAUNCH OF THE PIPE AND SAND BEDDING 6" ABOVE THE CROWN. IF THE TOP OF THE PIPE IS LESS THAN 30" FROM FINISH GRADE, BED PIPE COMPLETELY IN STONE UP TO 6" ABOVE PIPE CROWN. UNDERDRAIN TO HAVE 4" MIN' OF STONE OVER PIPE OR AS NECESSARY TO BE IN CONTACT WITH GRAVEL LAYER OF SELECTS ABOVE.
2. **COMPACTION:** ALL BACKFILL SHALL BE COMPACTED AT OR NEAR OPTIMUM MOISTURE CONTENT BY PNEUMATIC TAMPERS, VIBRATORY COMPACTORS OR OTHER APPROVED MEANS. BACKFILL BENEATH PAVED SURFACES SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF AASHTO T99, METHOD C.
3. **SUITABLE MATERIAL:** IN ROADS, ROAD SHOULDERS, WALKWAYS AND TRAVELED WAYS, SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS; PIECES OF PAVEMENT; ORGANIC MATTER; TOP SOIL; ALL WET OR SOFT MUCK; PEAT; OR CLAY; ALL EXCAVATED LEDGE MATERIAL; ROCKS OVER 6 INCHES IN LARGEST DIMENSION; FROZEN EARTH AND ANY MATERIAL WHICH, AS DETERMINED BY THE ENGINEER, WILL NOT PROVIDE SUFFICIENT SUPPORT OR MAINTAIN THE COMPLETED CONSTRUCTION IN A STABLE CONDITION. IN SEEDED AREAS, SUITABLE MATERIAL SHALL BE AS DESCRIBED ABOVE, EXCEPT THAT THE ENGINEER MAY PERMIT THE USE OF TOP SOIL, LOAM, ROCKS UNDER 12". FROZEN EARTH OR CLAY, IF HE/SHE IS SATISFIED THAT THE COMPLETED CONSTRUCTION WILL BE ENTIRELY STABLE AND PROVIDED THAT EASY ACCESS TO THE PIPE WILL BE PRESERVED.
4. **BASE COURSE AND PAVEMENT:** SHALL MEET THE REQUIREMENTS OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES - DIVISIONS 300 AND 400 RESPECTIVELY.
5. **DRAINAGE PIPE:** PIPE MATERIALS SHALL BE POLYETHYLENE (SEE SPECIFICATIONS)
6. **W=MAXIMUM ALLOWABLE TRENCH WIDTH:** W SHALL BE THE MAXIMUM PAYMENT WIDTH FOR ROCK EXCAVATION (TRENCH) AND FOR ORDERED EXCAVATION BELOW GRADE.



- GENERAL NOTES**
1. THE MAXIMUM RUNNING SLOPE OF ANY SIDEWALK CURB RAMP IS 12:1, THE MAXIMUM CROSS-SLOPE IS 2%.
 2. TRANSITIONS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. REFER TO CROSS SECTION PLANS (TO BE PROVIDED) FOR ROADWAY SHOULDER SLOPES ADJOINING SIDEWALK.
 3. THE BOTTOM OF THE SIDEWALK CURB RAMP OR LANDING, EXCLUSIVE OF THE FLARED SIDES, SHALL BE WHOLLY CONTAINED WITHIN THE LIMITS SHOWN ON THE DRAWINGS.
 4. CORNER RAMPS ARE TO BE CONSTRUCTED WITH REINFORCED CONCRETE 6" DEPTH. TRUNCATED DOME PANEL SHALL BE FULL WIDTH OF RAMP AND SHALL BE CAST IRON. USE RADIUS PANELS (AS SHOWN ABOVE) FOR MULTIDIRECTIONAL CROSSWALKS AND RECTANGULAR PANELS FOR LINEAR CROSSINGS.

CORNER SIDEWALK RAMP NOT TO SCALE

| REV. NO. | DATE | DESCRIPTION | D.J.D |
|----------|-----------|---------------------------|--------|
| 1 | 2/13/2019 | ADD BRICK SIDEWALK DETAIL | APPR'D |

PROPOSED SIDEWALK DETAILS
SPINNEY/MIDDLE SIDEWALK PROJECT
PORTSMOUTH, NEW HAMPSHIRE
 for
CITY OF PORTSMOUTH
DEPARTMENT OF PUBLIC WORKS

| | |
|-----------|-----------|
| DATE: | 1/14/2019 |
| JOB NO: | |
| SCALE: | 1" = 20' |
| DWG NAME: | |
| PLAN NO: | |
| SHEET: | 5 OF 5 |

DRIVEWAY NOTES

1. PAVEMENT & GRAVEL DEPTHS FOR RESIDENTIAL DRIVES SHALL BE 8" CRUSHED GRAVEL WITH 3.0" H.B.P. (HAND METHOD) IN TWO LIFTS 1 3/4" OF BINDER AND 1 1/4" OF TOP.
2. CURBING CAN BE FLARED TO FIT DRIVE RADIIF IF APPROPRIATE OR ENDED AS DETAILED ABOVE.
3. DRIVEWAY CURB CUTS SHALL MATCH EXISTING APRON WIDTHS UNLESS OTHERWISE DIRECTED.
4. FOR UNPAVED DRIVES, THE PAVED APRON NORMALLY ENDS AT THE RADIUS TANGENT POINT OR BACK OF SIDEWALK, WHICHEVER IS GREATER.