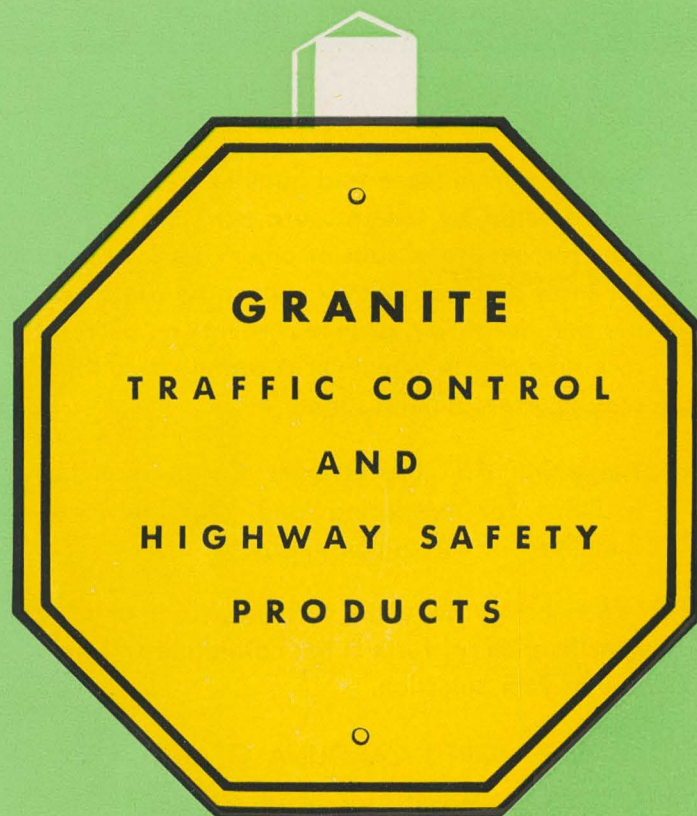


THE NORTH CAROLINA GRANITE CORPORATION

Quarry and Plant: Mount Airy, North Carolina



**GRANITE
TRAFFIC
CONTROL
AND
HIGHWAY
SAFETY
PRODUCTS**

Traffic control for the protection of motorists and pedestrians has increased proportionately with the increase of motor traffic. White Mount Airy Granite Curbing permits highway designers and engineers to combine safety, appearance and economy in the scheme of our modern highways and streets.

Years of practice and use have shown that curbing is as important and necessary as the pavement itself. The permanent whiteness of Mount Airy Granite Curb vividly reflects and exactly defines, under all types of driving conditions, the channel through which the traffic flows; thereby giving maximum safety and appreciably decreasing accident rates.

Granite curbing will endure the ever increasing

battering from more and heavier traffic. It is not affected by temperature extremes or from the constant use of salts or other chemicals used for snow and ice removal. Because of its long life and durability, granite curbing can be reset to a new grade whenever a change in a highway or street is necessary.

The North Carolina Granite Corporation has facilities for producing and shipping large quantities of curbing promptly.

We sincerely hope the curbing shown and the specification set forth in this catalogue will help you in your selection.

THE NORTH CAROLINA GRANITE CORP.
Mount Airy, North Carolina

GRANITE CURB WITH THE SLOPED FACE BATTER

Sixty-five years of experience and research and the application of modern machinery now enable The North Carolina Granite Corporation to produce economically vertical granite curbing to fill the demands of present day highway designers and engineers for a batter face that will:

- (1) Permit close rolling of asphalt paving
- (2) Increase effective width of roads
- (3) Reduce danger of cars climbing over curbing
- (4) Better protect car and truck tires from abrasion.

INDEX

General Specifications and Details of:	PAGE
Vertical Granite Curb.....	1
Vertical Granite Bridge Curb.....	4
Sloped Granite Curb.....	5
Sloped Granite Bridge Curb.....	8
Granite Landscape Curb.....	9
Rubble Granite Curb.....	11
Granite Curb Inlets.....	12
Granite Driveway Transitions and Depressed Curb.....	12
Granite Radius Corners.....	12
Sloped Granite Curb cut with Radial Joints.....	15
Radius Granite Curb.....	16
Products and Facilities of The North Carolina Granite Corporation.....	17
Pictures and General Information of Granite Curb Production.....	20

GENERAL SPECIFICATIONS OF VERTICAL GRANITE CURB

DESCRIPTION

Scope

The work under this Section shall consist of furnishing all labor, materials and equipment necessary and required for setting granite curbstones as indicated on the Plans, as directed by the Engineer and as described in these specifications; or as reasonably inferable from the Plans and Specifications.

MATERIALS

General

The curbstone shall be of a tough, dense, sound and durable granite of uniform light color. The granite shall be reasonably fine grained and free from seams, cracks or other structural defects and shall have a smooth splitting appearance. The granite shall come from an approved quarry and when tested shall have a Dorry coefficient of wear of not less than 17.

Finish

Top surface of curbstone shall have a sawed top to an approximate true plane and shall have no projection or depression greater than $\frac{1}{8}$ ".

Back arris line shall be pitched straight and true with no variation from a straight line greater than $\frac{1}{8}$ ".

The back shall have no projection to exceed 4" in 12" batter for a distance of 3" down from the top (no proj. or dep. to exceed 1½" for Bridge Curb).

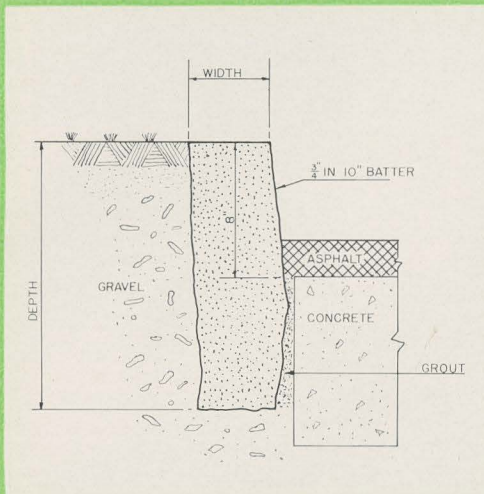
Ends shall be square with the plane of the face and top and when stones are placed end to end as close as possible no more than ½" shall show for the full width of the top and 8" down the front (10" down the front for Bridge Curb). The remainder of the end may break back not over 8" from the plane of the joint (not over 2" from the plane of the joint for Bridge Curb).

The minimum width for two-thirds the length of bottom shall be 1 inch less than the width at the top, but in no case less than 4" for two-thirds the length of curb.

Anchors where required shall be ½" in diameter, 10" overall length of which 1" is turned down on a 90 degree angle on one end and 3" is turned down on at least a 45 degree angle on the other end. They shall be galvanized after fabrication. Anchor shall extend a minimum of 6" into the concrete behind the curbstone.

VERTICAL GRANITE CURB

TYPE: NC-A (Specify type, width and depth)



Minimum Length: 3' -0"

NOTE: Use concrete base for 12" depth curbing.

WIDTH
(inches)

6

5

4

DEPTH
(inches)

20, 18, 16, 14 & 12 $\pm$ 1

18, 16, 14 & 12 $\pm$ 1

16, 14 & 12 $\pm$ 1

FINISH

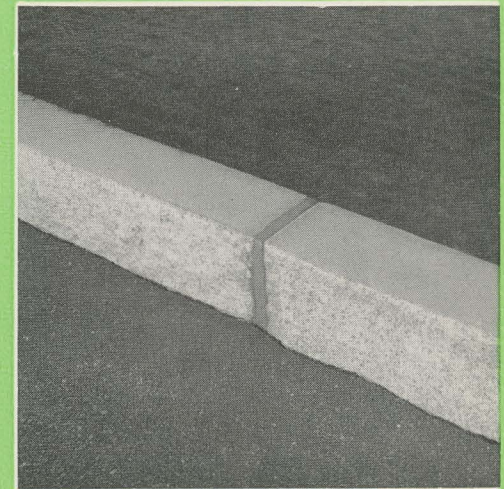
Sawed Top,

Battered

Split Face.

Specifications:

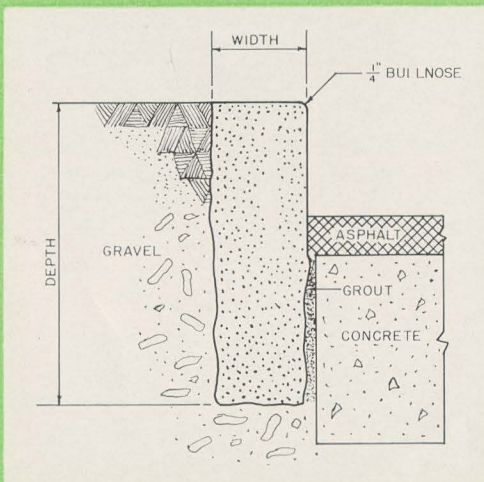
General specifications on page 1 and the following: Front face shall have a $\frac{3}{4}$ " in 10" batter for 8" down and shall be smooth quarry split. No drill holes shall show in the face and no projection to exceed $\frac{3}{4}$ " or depression to exceed $\frac{1}{2}$ " for 8" down. The remainder of the distance down no projection or depression shall exceed 1". Front arris line shall be true and straight with no variation greater than $\frac{1}{8}$ ".



TYPE: NC-AH Same as NC-A except batter on face is 1" in 6".

TYPE: NC-AV Same as NC-A except face is vertical.

TYPE: NC-B (Specify type, width and depth)



Minimum Length: 3' -0"

NOTE: Use concrete base for 12" depth curbing.

WIDTH
(inches)

6

5

4

DEPTH
(inches)

20, 18, 16, 14 & 12 $\pm$ 1

18, 16, 14 & 12 $\pm$ 1

16, 14 & 12 $\pm$ 1

FINISH

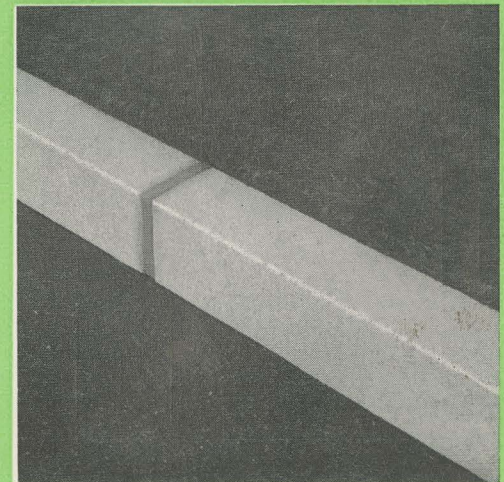
Sawed Top,

Sawed Vertical

Face.

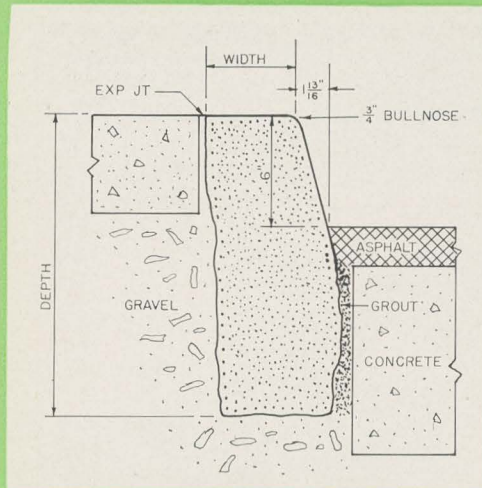
Specifications:

General specifications on page 1 and the following: Front face shall be square with the top, and sawed for a distance down of 8", with no projection or depression to exceed $\frac{1}{8}$ ". The remainder of the face shall have no projection or depression to exceed 1". Front arris to be $\frac{1}{4}$ " bullnose.



VERTICAL GRANITE CURB

TYPE: NC-C (Specify type, width and depth)



Minimum Length: 3' -0"

NOTE: Use concrete base for 12" depth curbing.

WIDTH
(inches)

6
5
4

DEPTH
(inches)

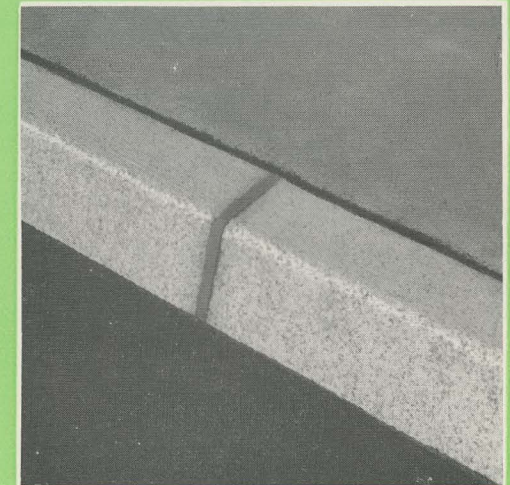
20, 18, 16, 14 & 12 $\pm$ 1
18, 16, 14 & 12 $\pm$ 1
16, 14 & 12 $\pm$ 1

FINISH

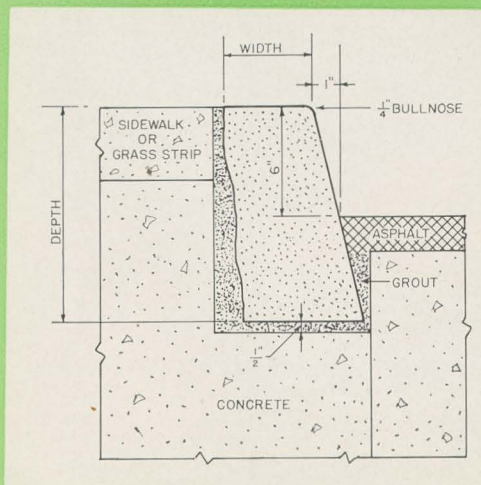
Sawed Top,
Hammered
Face.

Specifications:

General specifications on page 1 and the following: Front face shall have a 3" in 10" batter for 8" down and shall have a hammered finish, with no projection or depression to exceed $\frac{3}{16}$ ". The remainder of the distance down no projection or depression to exceed 1". Front arris to be $\frac{3}{4}$ " bullnose.



TYPE: NC-D (Specify type, width and depth)



Minimum Length: 3' -0"

WIDTH
(inches)

5
4

DEPTH
(inches)

$11\frac{3}{8} \pm \frac{1}{4}$
 $11\frac{3}{8} \pm \frac{1}{4}$

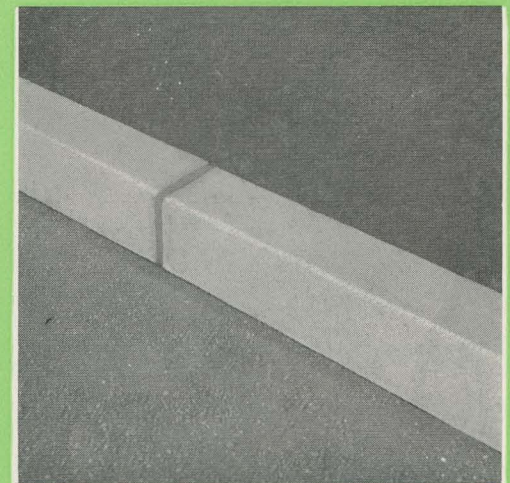
FINISH

Sawed Top and
Bottom,
Hammered or
Sawed Face.

Specifications:

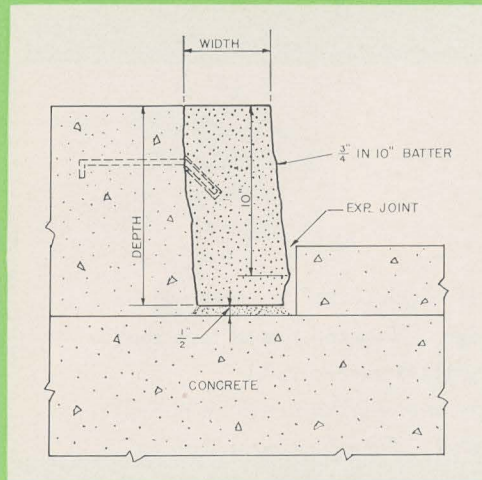
General specifications on page 1 and the following: Front face shall have a 2" in 12" batter for 8" down and shall have either a hammered or sawed finish, with no projection or depression to exceed $\frac{1}{8}$ ". The remainder of the distance down no projection or depression to exceed 1". Bottom shall be sawed. Front arris to be $\frac{1}{4}$ " bullnose.

NOTE: Use concrete base for this type curbing.



VERTICAL GRANITE BRIDGE CURB

TYPE: NC-E (Specify type, width and depth)



Minimum Length: 3' -0"

WIDTH
(inches)

6
5
4

DEPTH
(inches)

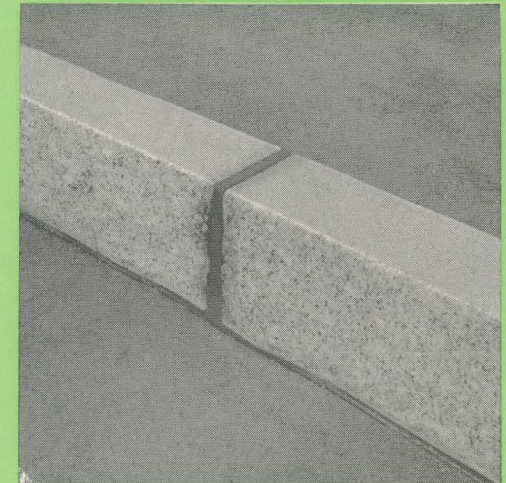
$11\frac{3}{8}, 10 \text{ \& } 9 \pm \frac{1}{4}$
 $11\frac{3}{8}, 10 \text{ \& } 9 \pm \frac{1}{4}$
 $11\frac{3}{8}, 10 \text{ \& } 9 \pm \frac{1}{4}$

FINISH

Sawed Top
and Bottom,
Battered
Split Face

Specifications:

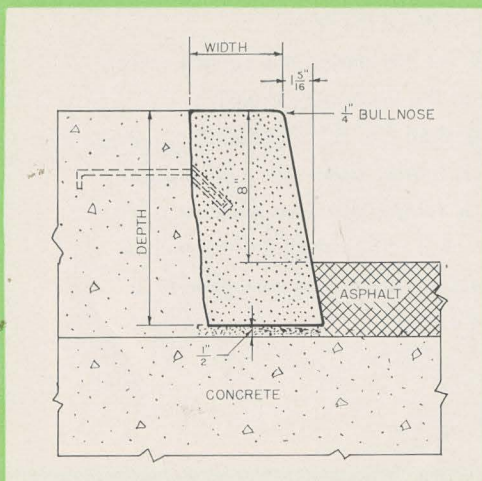
General specifications on page 1 and the following: Front face shall have a $\frac{3}{4}$ " in 10" batter, and shall be smooth quarry split. No drill holes shall show in the face and no projection to exceed $\frac{3}{4}$ " or depression to exceed $\frac{1}{2}$ ", except within 1" of bottom depression may be 1". The bottom shall be sawed. Front and back arris lines true and straight. Two anchor holes, pitched downward on 45 degrees, 3" deep, located 3" down from top, 12" from each end.



TYPE: NC-EH Same as NC-E except batter on face is 1" in 6".

TYPE: NC-EV Same as NC-E except face is vertical.

TYPE: NC-F (Specify type, width and depth)



Minimum Length: 3' -0"

WIDTH
(inches)

6
5
4

DEPTH
(inches)

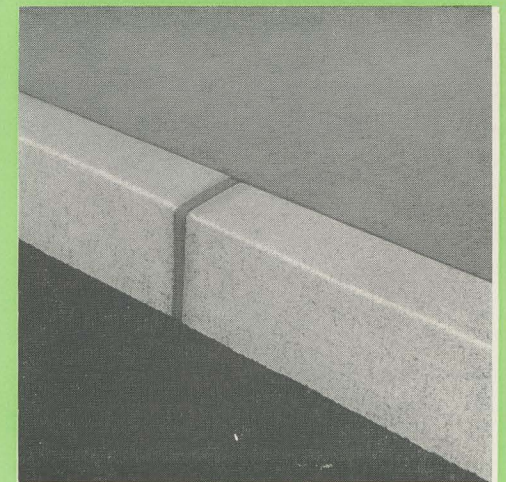
$11\frac{3}{8}, 10 \text{ \& } 9 \pm \frac{1}{4}$
 $11\frac{3}{8}, 10 \text{ \& } 9 \pm \frac{1}{4}$
 $11\frac{3}{8}, 10 \text{ \& } 9 \pm \frac{1}{4}$

FINISH

Sawed Top
and Bottom,
Hammered or
Sawed Face.

Specifications:

General specifications on page 1 and the following: Front face shall have a 2" in 12" batter for entire depth and have either a hammered or sawed finish to within 1" of bottom, with no projection or depression to exceed $\frac{1}{8}$ ". The bottom shall be sawed. Front arris to be $\frac{1}{4}$ " bullnose. Two anchor holes, pitched downward on 45 degrees, 3" deep, located 3" down from top, 12" from each end.



GENERAL SPECIFICATIONS OF SLOPED GRANITE CURB

DESCRIPTION

Scope

The work under this Section shall consist of furnishing all labor, materials and equipment necessary and required for setting sloped granite curbstone on a slope as indicated on the Plans, as directed by the Engineer and as described in these Specifications; or as reasonably inferable from the Plans and Specifications.

MATERIAL

General

The curbstone shall be of a tough, dense, sound and durable granite of uniform light color. The granite shall be reasonably fine grained, and free from seams, cracks or other structural defects and shall have a smooth splitting appearance. The granite shall come from an approved quarry and when tested shall have a Dorry coefficient of wear of not less than 17.

Finish

Exposed quarry split face shall be to an approximate true plane with not more than 1" showing between a 2-foot straightedge and the face on any part of the face. Drill

holes not more than 3½" in length or ½" in depth will be permitted along bottom edge. (Exposed sawed face shall have no projection or depression to exceed ⅛".)

Arris lines at ends for quarry split face shall be pitched with no variation from the plane of the face more than ¼". (Arris lines at ends for sawed face shall be true and straight with no variation from the plane of the face more than ⅛".)

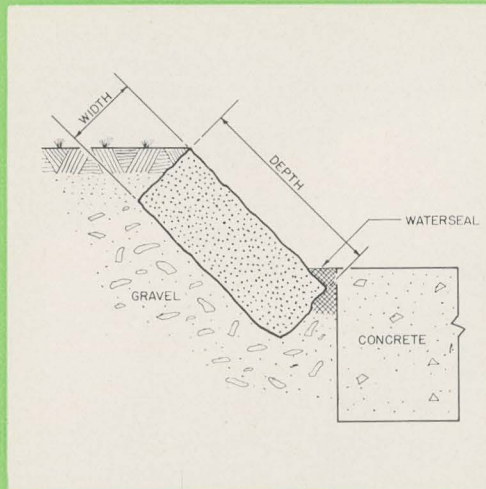
Ends of quarry split face shall be square to the plane of the face and so finished that when stones are placed end to end as closely as possible no space to exceed ⅞" shall show in the joint for the full width of the face. (Ends of sawed face shall be finished so that when the stones are placed end to end as closely as possible no space to exceed ½" shall show in the joint for the full width of the face.)

Tops and bottoms shall not be under the square more than 4" or over the square at the back more than 1".

Anchors where required shall be ½" in diameter, 10" overall length of which 1" is turned down on a 90 degree angle on one end and 3" is turned down on at least a 45 degree angle on the other end. They shall be galvanized after fabrication. Anchors shall extend a minimum of 6" into the concrete behind the curbstone.

SLOPED GRANITE CURB

TYPE: NC-J (See page 15 for Sloped Granite with Radial Joints)



Length: 2' -0" to 6' -0"

Set with 1" joint.

WIDTH
(inches)

$4\frac{1}{2} \pm 1\frac{1}{2}$

DEPTH
(inches)

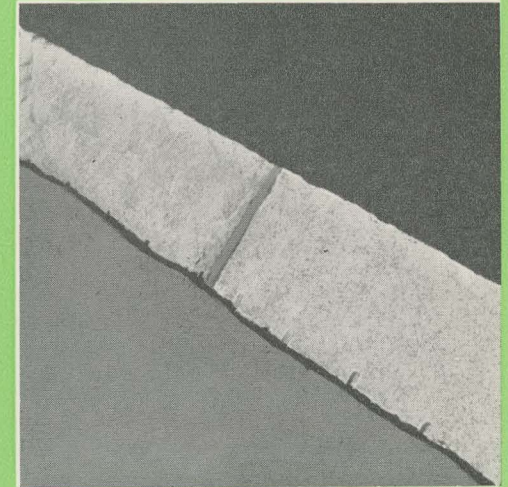
12

FINISH

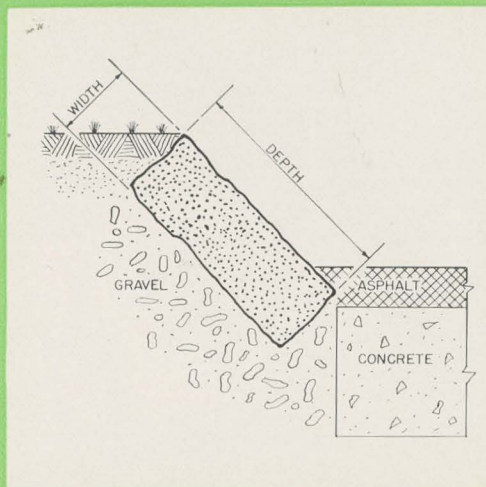
Split Face

Specifications:

General specifications on page 5 and the following: Top and bottom arris lines shall be pitched to a line which shall not show over $\frac{1}{2}$ " in any direction between the stone and a straightedge the full length of the stone.



TYPE: NC-K (Specify depth) (See page 15 for Sloped Granite with Radial Joints)



Length: 2' -0" to 6' -0"

Set with 1" joint.

WIDTH
(inches)

$4\frac{1}{2} \pm 1$

DEPTH
(inches)

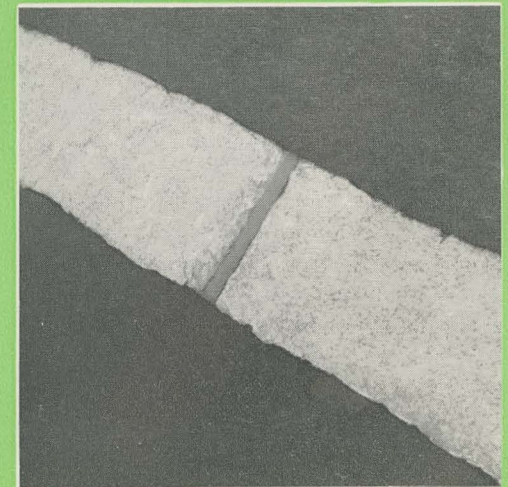
12, 11 & 10 ± 1

FINISH

Split Face

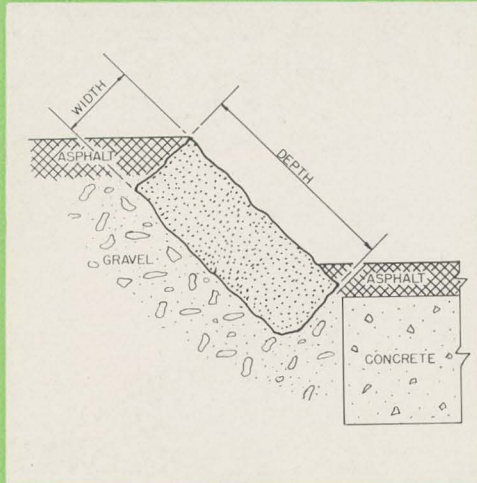
Specifications:

General specifications on page 5 and the following: Top and bottom arris lines shall be pitched to a line which shall not show over 1" in any direction between the stone and a straightedge the full length of the stone.



SLOPED GRANITE CURB

TYPE: NC-L (Specify depth) (See page 15 for Sloped Granite with Radial Joints)



Length: 2' -0" to 6' -0"

Set with 1" joint.

WIDTH
(inches)

$4\frac{1}{2} \pm 1\frac{1}{2}$

DEPTH
(inches)

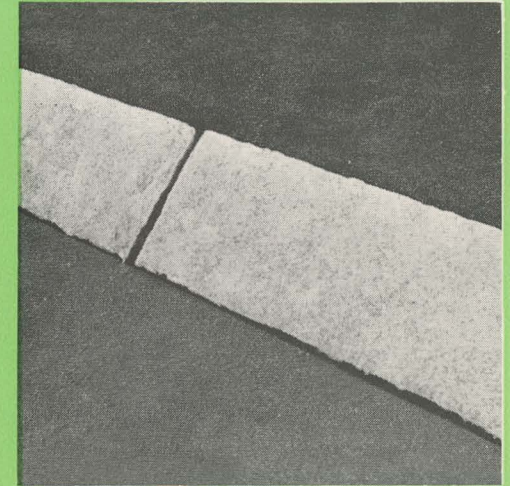
12, 11 & 10 $\pm$ 1

FINISH

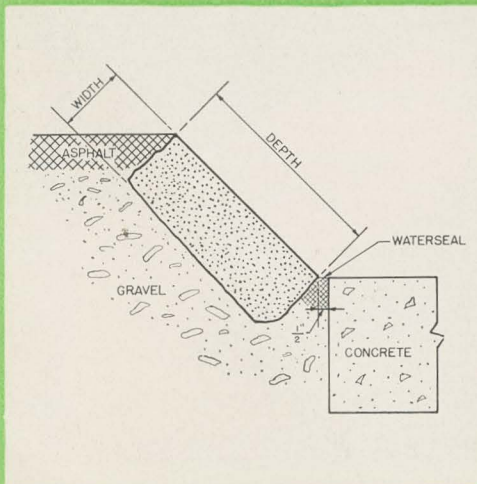
Split Face

Specifications:

General specifications on page 5 and the following: Top arris line shall be pitched to a line which shall not show over $\frac{1}{4}$ " in any direction between the stone and a straightedge the full length of the stone. Bottom arris line shall be pitched to a line which shall not show over 1" in any direction between the stone and a straightedge the full length of the stone.



TYPE: NC-M (Specify depth) (See page 15 for Sloped Granite with Radial Joints)



Length: 2' -0" to 6' -0"

Set with $\frac{3}{8}$ " joint.

WIDTH
(inches)

$4\frac{1}{4} \pm 1\frac{1}{2}$

DEPTH
(inches)

12, 11 & 10

FINISH

Sawed Face

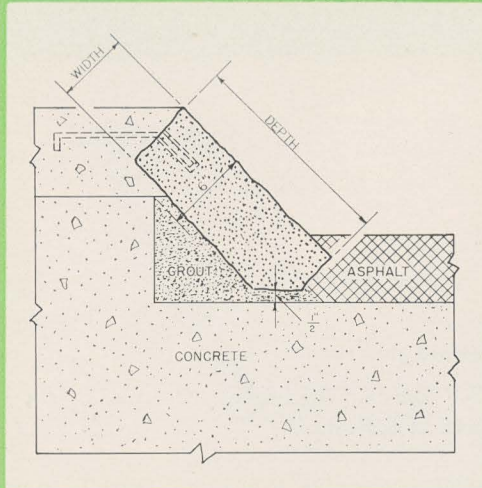
Specifications:

General specifications on page 5 and the following: Top and bottom arris lines shall be straight and true with no variation from the plane of the face more than $\frac{1}{4}$ ".



SLOPED GRANITE BRIDGE CURB

TYPE: NC-G (See page 15 for Sloped Granite with Radial Joints)



Length: 2' -0" to 6' -0"

Set with 1" joint.

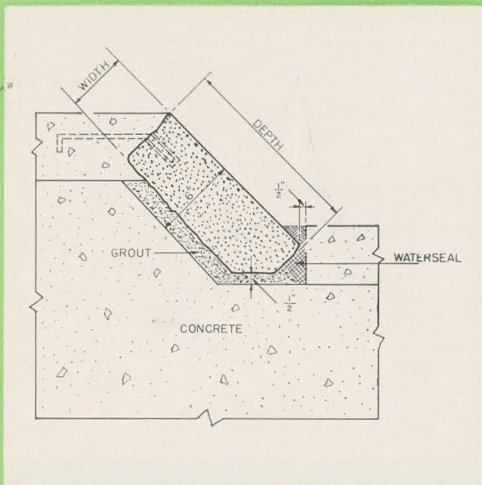
WIDTH (inches)	DEPTH (inches)	FINISH
$4\frac{1}{2} \pm 1\frac{1}{2}$	12	Split Face

Specifications:

General specifications on page 5 and the following: Top arris line shall be pitched to a line which shall not show over $\frac{1}{4}$ ", bottom arris line shall be pitched to a line which shall not show over 1", in any direction between the stone and a straightedge the full length of the stone. Bottom and lower part of back of curbstone shall be dressed off to $\frac{1}{2}$ " to permit forming a bed to facilitate setting on required slope. Two anchor holes in top, 2" down from top arris line, 3" deep, 9" from each end. Width at anchor holes minimum of 4".



TYPE: NC-H (See page 15 for Sloped Granite with Radial Joints)



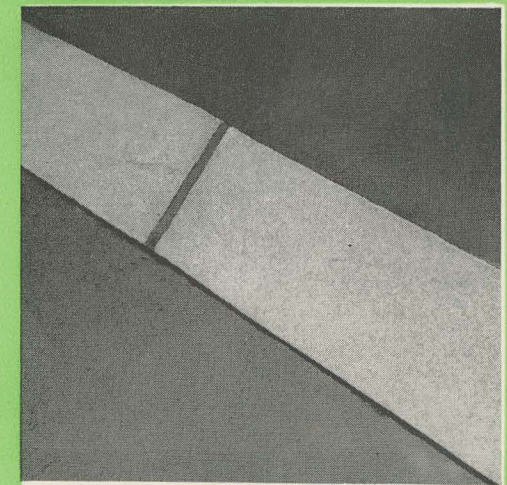
Length: 2' -0" to 6' -0"

Set with $\frac{5}{8}$ " joint.

WIDTH (inches)	DEPTH (inches)	FINISH
$4\frac{1}{2} \pm 1\frac{1}{2}$	12	Sawed Face

Specifications:

General specifications on page 5 and the following: Top arris line to be straight and true with no variation from the plane of the face more than $\frac{1}{8}$ ". Bottom arris line to be straight and true with no variation from the plane of the face more than 1". Bottom and lower part of back of curbstone shall be dressed off to $\frac{1}{2}$ " to permit forming a bed to facilitate setting on required slope. Two anchor holes in top, 2" down from top arris line, 3" deep, 9" from each end. Width at anchor holes minimum of 4".



GENERAL SPECIFICATIONS OF LANDSCAPE GRANITE CURB

DESCRIPTION

Scope

The work under this Section shall consist of furnishing all labor, materials and equipment necessary and required for setting landscape granite curbstone on a slope as indicated on the Plans, as directed by the Engineer and as described in these Specifications (recommended 15 degree slope); or as reasonably inferable from the Plans and Specifications.

MATERIAL

General

The curbstone shall be of a tough, dense, sound and durable granite of uniform light color. The granite shall be reasonably fine grained and free from seams, cracks or other structural defects and shall have a smooth splitting appearance. The granite shall come from an approved quarry and when tested shall have a Dorry coefficient of wear of not less than 17.

Finish

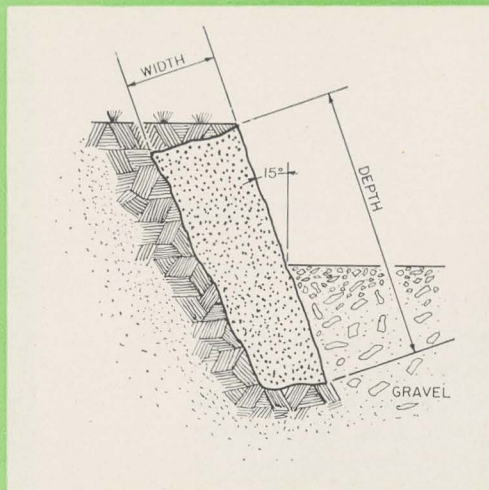
Top surface shall be pitched with no projection greater than 1".

Arris line at bottom irregular, arris line at back irregular.

Ends of stone shall be square with planes of top and face, and when placed end to end as closely as possible, no space more than 1 1/2" shall show in the joint for the full width of top and 8" down on face. The remainder of the end may break back not more than 8".

LANDSCAPE GRANITE CURB

ITEM: NC-N



Length: 0' -6" to 1' -0"

WIDTH
(inches)

3 to 7

DEPTH
(inches)

13 to 15

FINISH

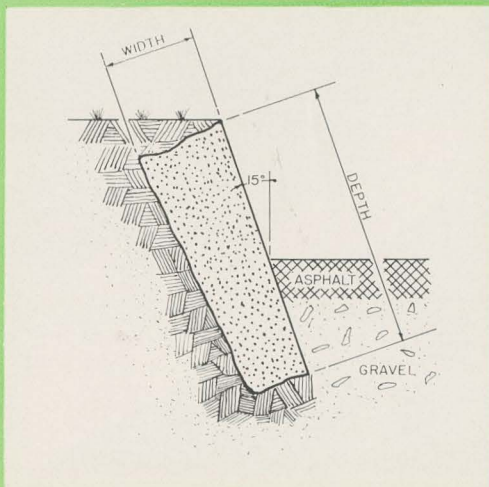
Pitched Top
Split Face

Specifications:

General specifications on page 9 and the following: Front face shall be right angles to the top, split face for a distance down of 8", with no projection to exceed 1", depression to exceed 1/2", or drill holes. Arris line at intersection of top surface and front face shall be pitched so that when a straightedge is applied to the full length, there shall be no depression under the straightedge greater than 1/2".



ITEM: NC-P



Length: 0' -6" to 1' -0"

WIDTH
(inches)

3 to 7

DEPTH
(inches)

13 to 15

FINISH

Pitched Top
Sawed Face

Specifications:

General specifications on page 9 and the following: Front face shall be sawed. Arris line at intersection of top surface and front face shall be pitched so that when a straightedge is applied to the full length, there shall be no depression under the straightedge greater than 1/8".



GENERAL SPECIFICATIONS OF RUBBLE GRANITE CURB

DESCRIPTION

Scope

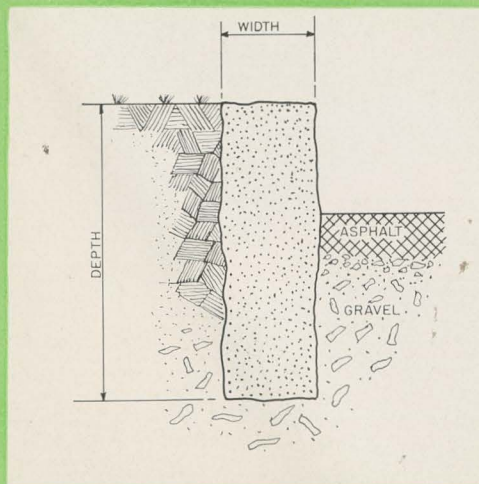
The work under this Section shall consist of furnishing all labor, materials and equipment necessary and required for setting rubble granite curbstone as indicated on the Plans, as directed by the Engineer and as described in these Specifications; or as reasonably inferable from the Plans and Specifications.

MATERIAL

General

The curbstone shall be of a tough, dense, sound and durable granite of uniform light color. The granite shall be reasonably fine grained and free from seams, cracks or other structural defects and shall have a smooth splitting appearance. The granite shall come from an approved quarry and when tested shall have a Dorry coefficient of wear of not less than 17.

TYPE: NC-R (Specify type, width and depth)



Minimum Length: 3'-0"

WIDTH
(inches)

5 ± 1
 5 ± 1

DEPTH
(inches)

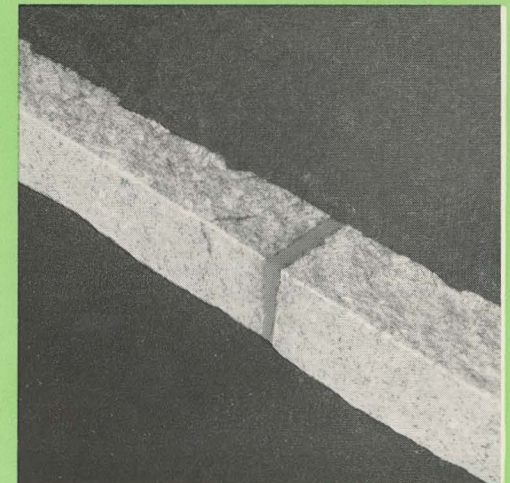
18 ± 2
 16 ± 2

FINISH

Split Top
and Face

Specifications:

Top surface to be pitched to an approx. true plane with no projection to exceed 1" or depression to exceed $\frac{1}{2}$ ". Front arris shall be pitched so that when a straightedge is applied to the full length of the stone, there shall be no depression under the straightedge to exceed $\frac{1}{2}$ ". Back arris line irregular. Front face shall be at right angles to the plane of the top and shall be quarry split, with no drill holes and no projection or depression to exceed 1" for 8" down. Ends of stone shall be square with planes of top and face, and when placed end to end as closely as possible, no space more than 1" shall show in the joint for the full width of top and 8" down on face. The remainder of the end may break back not more than 8".



GENERAL SPECIFICATIONS OF GRANITE CURB INLETS, DRIVEWAY TRANSITIONS, DEPRESSED CURB and RADIUS CORNERS

DESCRIPTION

Scope

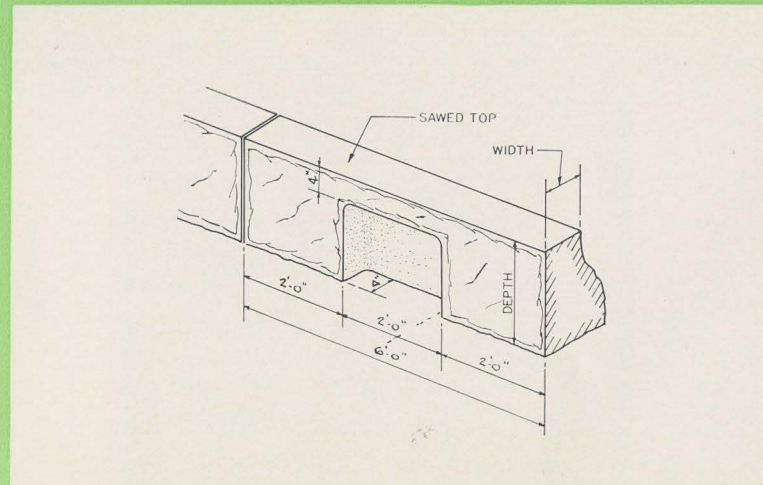
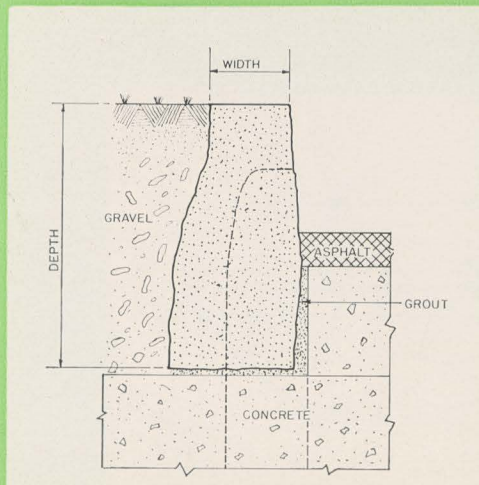
The work under this Section shall consist of furnishing all labor, materials and equipment necessary and required for setting granite curb inlets, driveway transitions, depressed curb and radius corners as indicated on the Plans, as directed by the Engineer and as described in these Specifications; or as reasonably inferable from the Plans and Specifications.

MATERIAL

General

The curbstone shall be of a tough, dense, sound and durable granite of uniform light color. The granite shall be reasonably fine grained and free from seams, cracks or other structural defects and shall have a smooth splitting appearance. The granite shall come from an approved quarry and when tested shall have a Dorry coefficient of wear of not less than 17.

GRANITE CURB INLETS: (Specify type, width and depth of adjoining curb. Cut to Engineer's Specifications.)



GRANITE DRIVEWAY TRANSITIONS

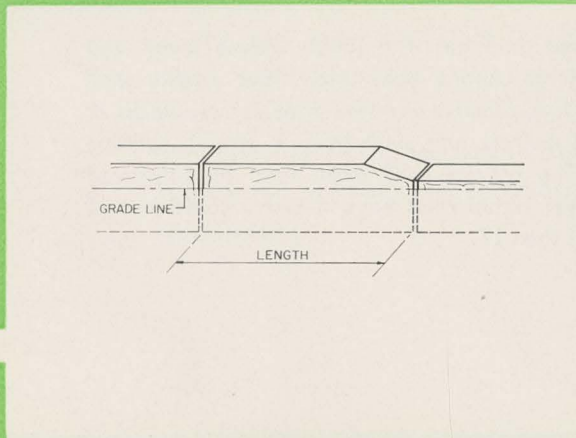
Specify transition type, also type, width and depth of adjoining curb.

Transitions cut to specifications.

Type transitions shown are listed in order of price economy.

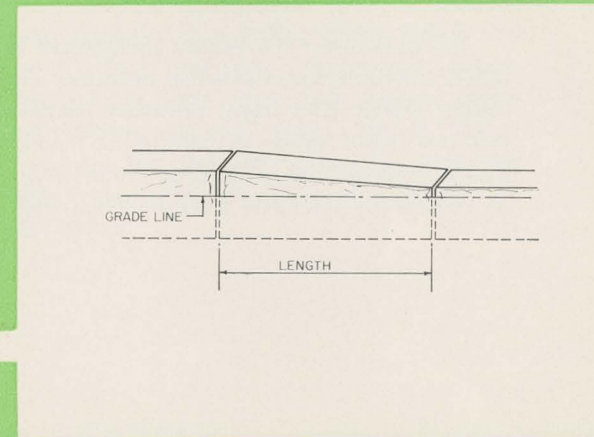
Type, width and depth of Depressed Curb to match Transitions.

TYPE: NC-DT1



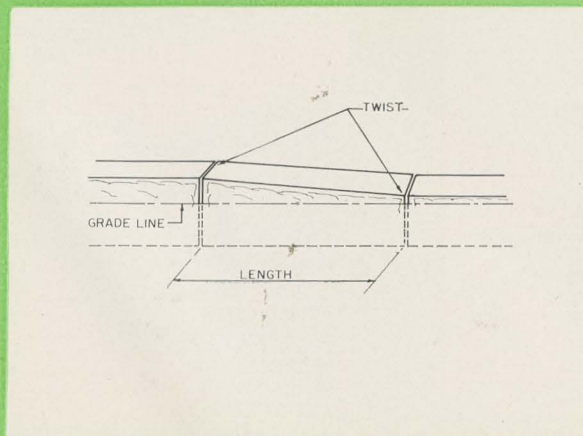
Length: 3' -0"

TYPE: NC-DT2



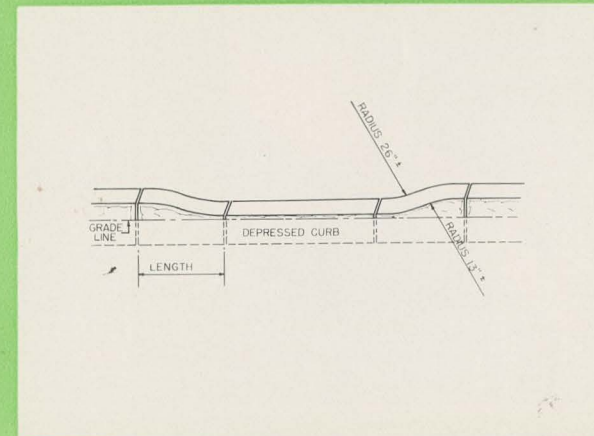
Length: 3' -0"

TYPE: NC-DT3



Length: 3' -0"

TYPE: NC-DT4

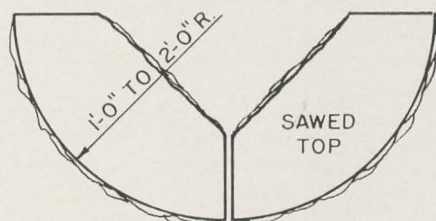


Length: 17'-8"

VERTICAL GRANITE RADIUS CORNERS

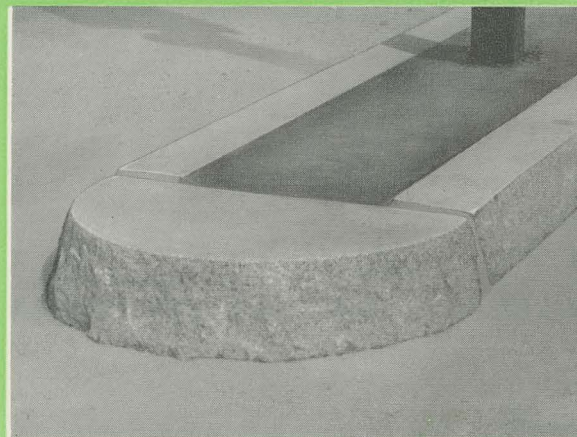
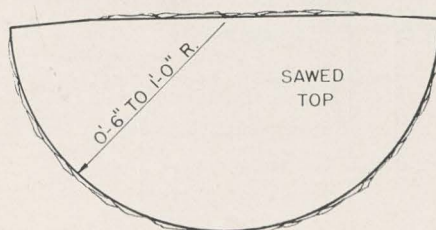
Approximately up to 90 degree radius corners; 1' -0" to 2' -0" radius. Type, width and depth of radius corners to match adjoining curb.

TYPE: NC-RC1

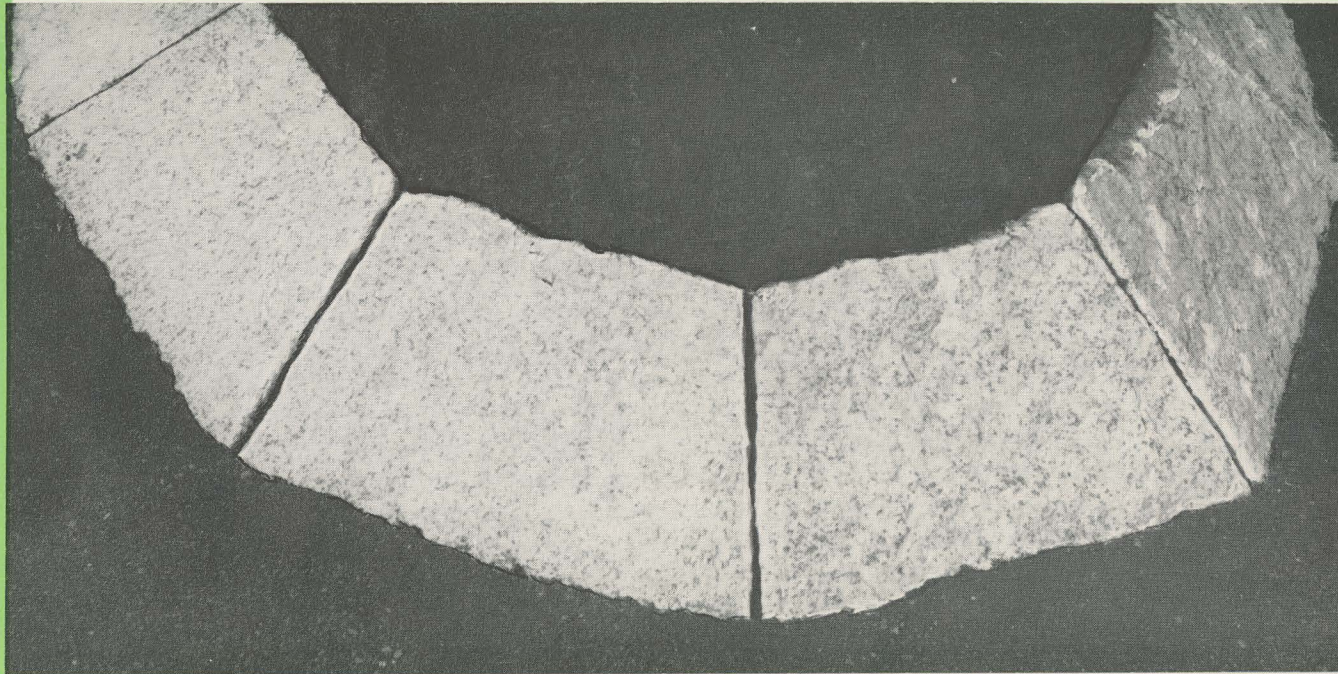


Approximately up to 180 degree radius corners; 0' -6" to 1' -0" radius. Type, width and depth of radius corners to match adjoining curb.

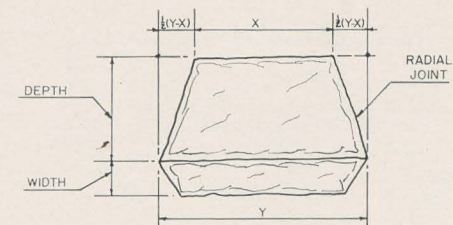
TYPE: NC-RC2



SLOPED GRANITE CURB CUT WITH RADIAL JOINTS



Refer to Sloped Granite Curb section starting on Page 5. Sloped Granite Curb cut with radial joints for specified radius curve.



RADIUS GRANITE CURB

Vertical Granite Curb:

Curb with radius of 100' or less cut to arc with radial joints.

Radius of curb 101' to 200' cut in 3' -0'' to 4' -0'' straight pieces.

Radius of curb 201' to 500' cut in 4' -0'' to 6' -0'' straight pieces.

Where radius is from 0' -6'' to 2' -0'', we recommend solid backs as shown on page 14.

Vertical Driveway Transitions:

Same as for Vertical Granite Curb.

Granite Curb Inlets:

Curb Inlets with radius of 200' or less cut to arc with radial joints.

Sloped Granite Curb:

Cut in short straight pieces with lengths as directed by the Engineer.

Where radius is between 1' -6'' and 10' -0'', we recommend radial joints as shown on page 15. Where radius is less than 1' -6'', we recommend solid pieces cut to arc with radial joints.



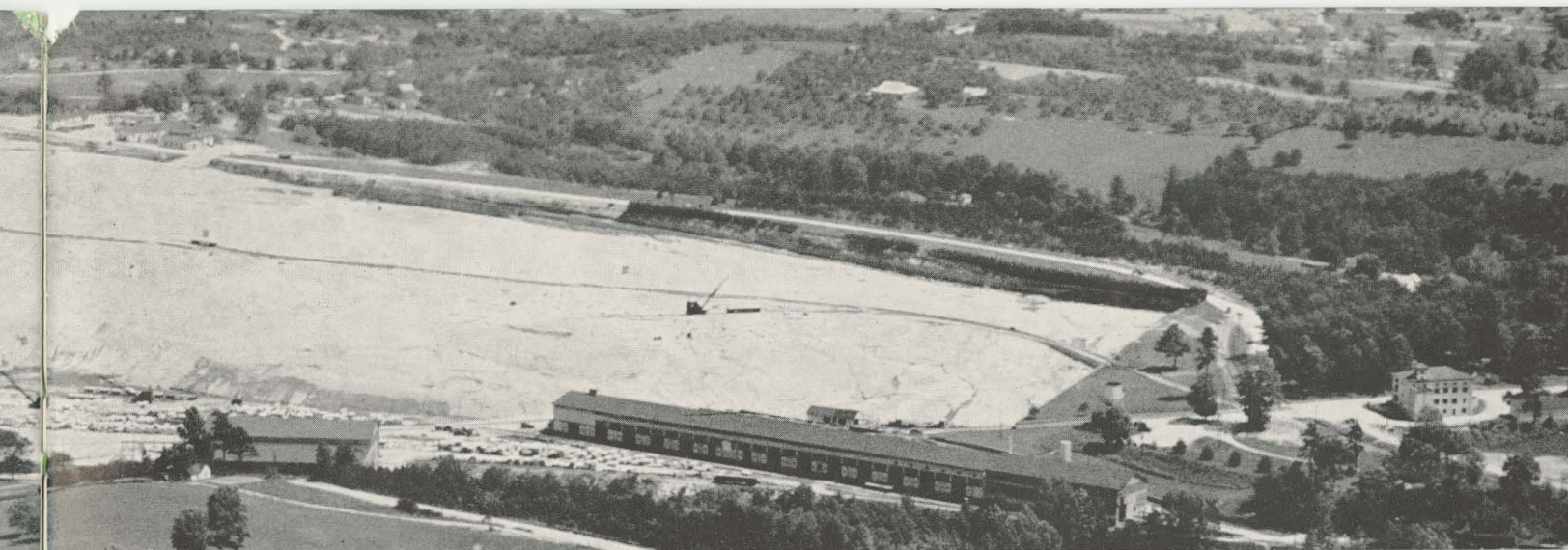
THE GRANITE DEPOSIT

Five hundred years of quarrying at the present production rate of 3,000 carloads a year will not have exhausted the remarkable deposit of Mount Airy Granite pictured above. Viewed from the air, the visible portion of the deposit is somewhat in the shape of an enormous oyster shell. The area of the quarry under actual operations is in excess of ninety acres, one mile long and 1,800 feet wide. Sixty years of carefully planned quarry operations have preserved and developed the almost ideal natural features of the deposit. Overburden has been stripped away and working surfaces kept free from grout and other waste materials.

The deposit of granite is perfectly solid, showing no natural bed planes or seams. The rift or easiest splitting way of the granite is approximately parallel to the top surface of the deposit. This fact enables the quarrymen to form sheets of granite several acres in area and of almost any required thickness.

The "lifting" process is an interesting combination of confined black powder gases and the natural tendency of the granite to expand under the heat of summer days and contract under the coolness of Blue Ridge Mountain nights. Space will not permit a detailed description of this quarrying process, but it may readily be seen that granite taken from this solid mass has not been discolored or adulterated by contact with interlying deposits of soil and other foreign matter. Perfectly sound pieces of granite up to limits of railroad transportation are easily obtained.

Mount Airy is a biotite granite of medium grain. The color is a very light grey, almost white. The feldspar is white, the quartz a blue grey and the mica black; all of which are evenly distributed throughout the entire deposit. Uniformity of color and quality is assured for all jobs regardless of size.



PRODUCTION FACILITIES

Physical equipment of the quarry, crusher and cutting department is modern and complete. It is adequate to insure the rapid and efficient completion of large contracts and it is of sufficient capacity to handle unusually large pieces of granite. Standard gauge railroad tracks extend around and through the quarry, and to the cutting, sawing and crushing plants. Railroad rolling stock includes a new diesel-electric locomotive, two diesel cranes, one locomotive crane, nineteen flat cars, six dump cars and one box car. In addition to the railroad equipment, a $1\frac{1}{2}$ -yard shovel, a large crawler crane, two Hough loaders, several large lift-forks and tractors, trucks, trailers and lowboy are used in handling products in the quarry. Compressed air is used to operate the drilling tools.

The three principal cutting plants have a combined floor space in excess of 88,000 square feet. This space is completely served by five electric, overhead traveling cranes with capacities ranging from twenty to forty tons, each. Heavy granite cutting machinery includes two gang saws, three rotary saws, one wire saw, three large carborundum saws, four

diamond saws, three turning lathes, five high speed polishing machines, one polishing lathe and two complete sand-blast installations.

Surfacing machines and the standard pneumatic and hand tools are sufficient for the requirement of a large number of granite cutters. Drills, points, chisels, and other tools are made and kept in first-class condition in the modern forge, machine and blacksmith shops.

The greater part of the heavy machinery is driven by electric power furnished by the Duke Power Company. Compressed air for the quarry and plants is provided by two large compressors with a combined capacity of 5,000 cubic feet of air per minute. Water is electrically pumped from the Ararat River into an elevated steel tank with capacity of 60,000 gallons.

Each of the departments is under the supervision of experienced and efficient granite men. Particular care has been exercised in the development of accuracy and dependability in the estimating department and drafting rooms.

PRODUCTS

Quarry products include dimension granite and sawed slabs for buildings and monumental purposes, sawed bed ashlar, rubble, street curbing, rip-rap and specialty crushed stone. Cut, carved and polished granite for all purposes is manufactured in the finishing plants.

Mount Airy Granite memorials and buildings have been erected in practically every state in the Union. List of references may be secured by writing our Mount Airy offices.

As a service to Architects and Builders, we keep in stock a variety of colored granites for use as trim in connection with our Mount Airy Granite. We thus can often save the builder the difference between carload and less-carload freight, and also avoid the necessity of making and reconciling two different granite shop drawings.

TECHNICAL DATA

Chemical Analysis

Alumina (Al O).....	18.51
Calcium Oxide (Ca O).....	2.63
Ferric Oxide (Fe O).....	1.78
Magnesium Oxide (Mg O).....	0.41
Manganese Oxide (Mn O).....	0.12
Potassium Oxide (K O).....	3.96
Silica (Si O).....	67.33
Sodium Oxide (Na O).....	3.60
Titania (Ti O).....	0.38
Ignition loss above 105C.....	1.20
Moisture dried at 105C.....	0.14
Sulphur as Sulphur Trioxide (S O).....	0.01

DELIVERIES

Mount Airy is served by the Southern Railway Company with nearby connections to the Norfolk & Western, Seaboard Air Line, Atlantic Coast Line and other railroads. Freight rates are comparatively reasonable and service is usually good. Care in the crating and loading of finished granite has practically eliminated the annoyance and expensive delays caused by materials damaged in transit. We can also make truck deliveries to job site.

Laboratory Tests

Dorry Coefficient of Wear.....	18.9
Crushing Strength (lbs. per square inch).....	26,875
Weight per Cubic Foot (lbs.).....	165



View of Curb Stock and Ledge



Stock Pile of Vertical Curbing with Sloped Face



Curb Splitting Machine in Operation



Loading Radius Curb on Flat Car

90236015



THE NORTH CAROLINA GRANITE CORPORATION
MOUNT AIRY, NORTH CAROLINA

MEMBER OF NATIONAL BUILDING GRANITE QUARRIES ASSOCIATION