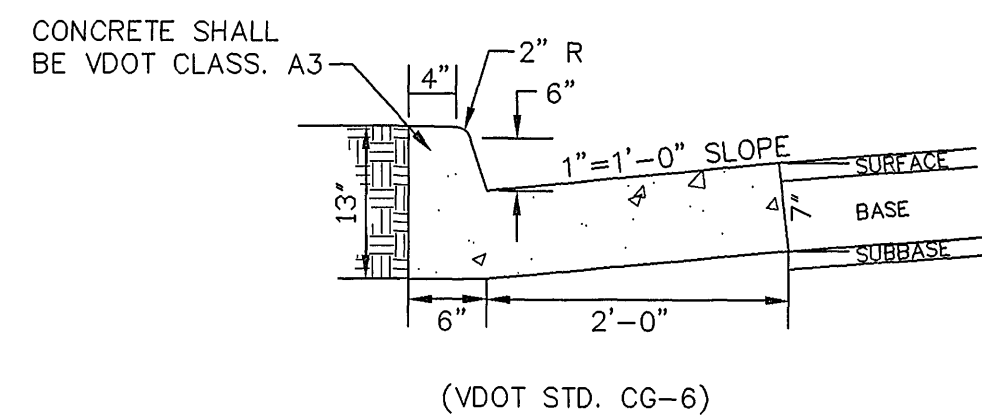


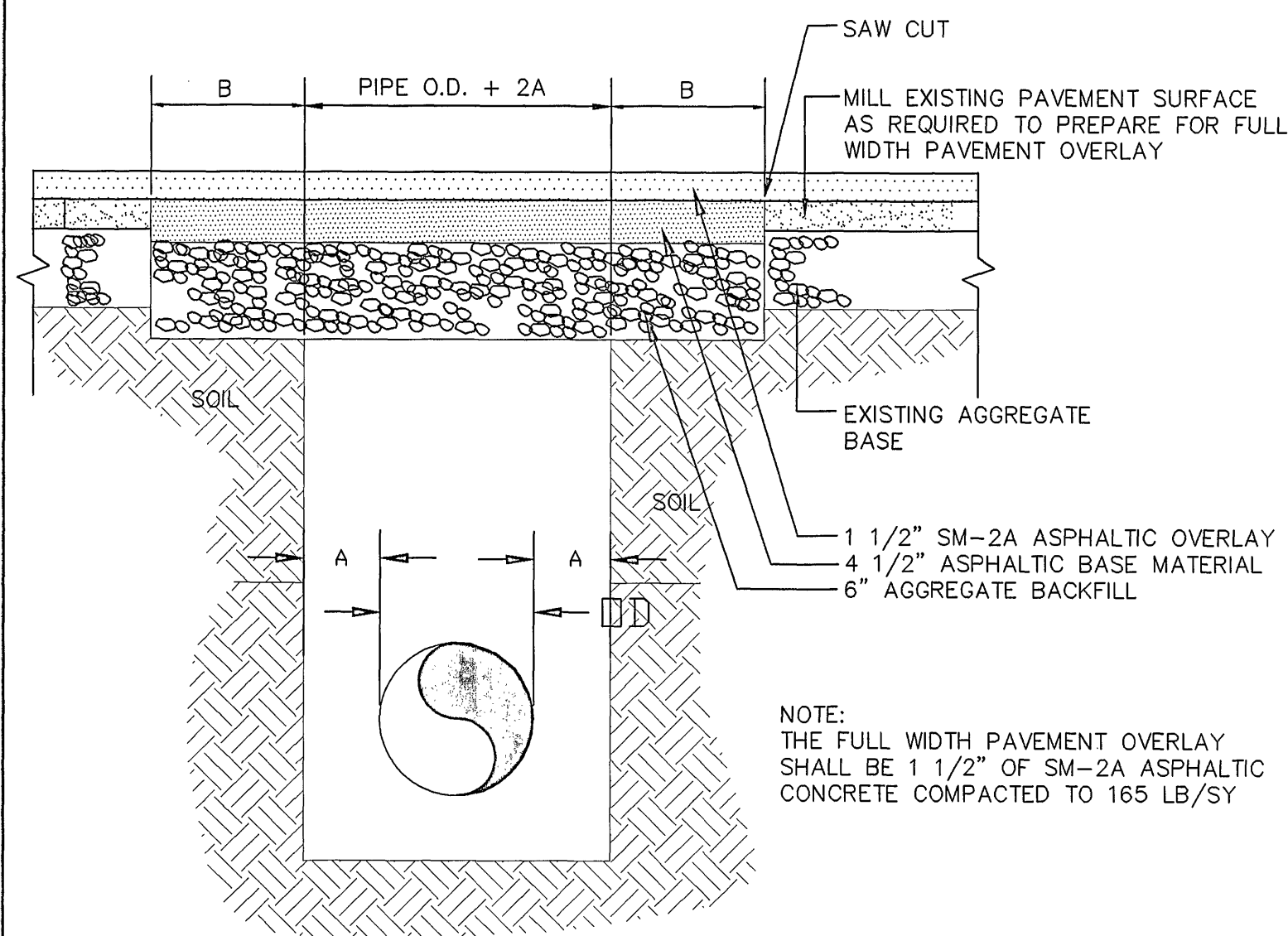
NOTE:
DETAIL SIMILAR AT JOINT BETWEEN ALL EXISTING MASONRY
AND CONCRETE WALLS.

NEW SIDEWALK AND
JOINT @ EXISTING/NEW SIDEWALK

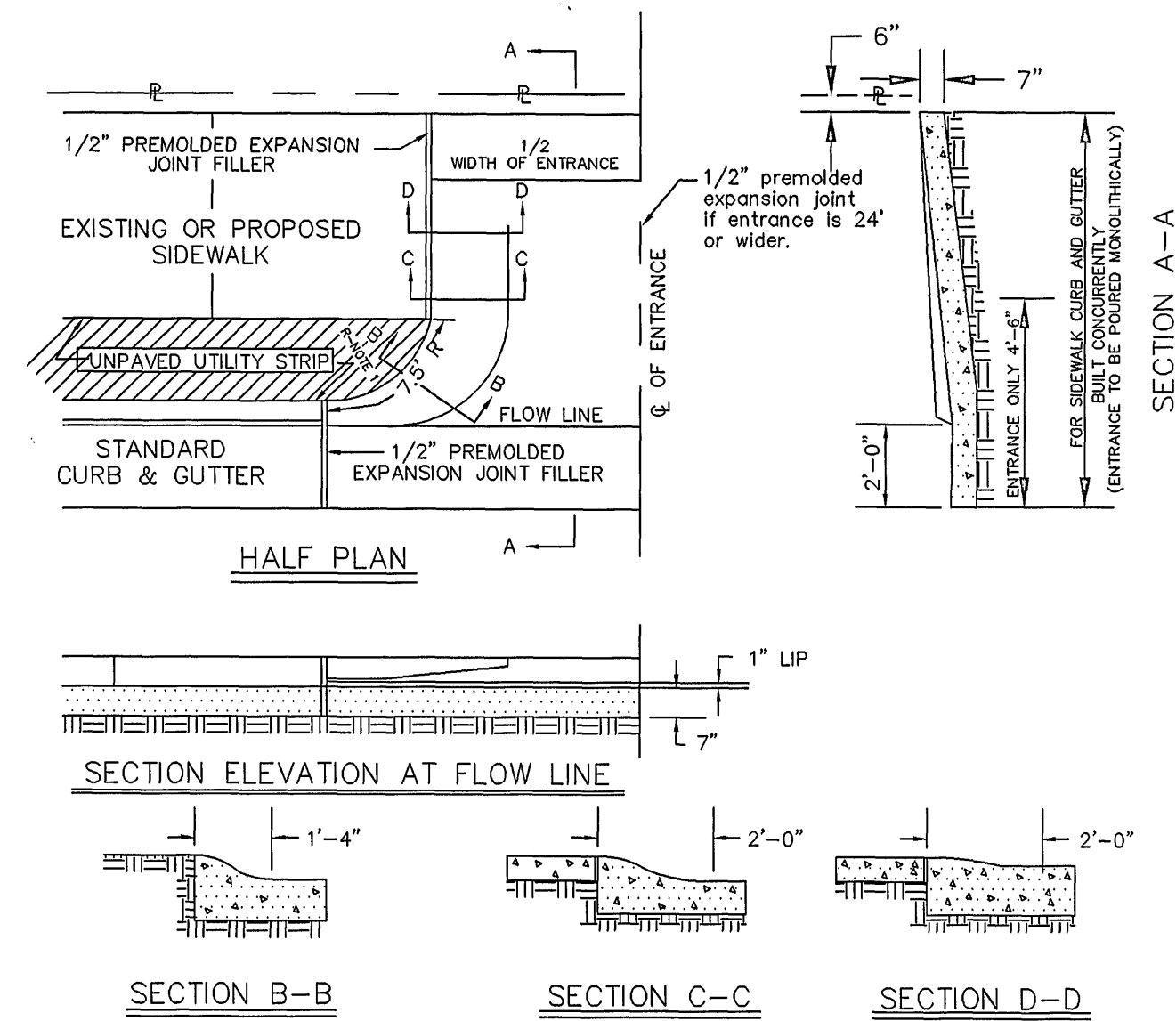


STANDARD 6" CURB AND GUTTER

1. DIMENSION 'A' SHALL BE 12" WHEN TRENCH IS 10 FEET OR LESS DEEP FROM INVERT OF PIPE, AND 18" WHEN THE TRENCH IS GREATER THAN 10 FEET DEEP.
2. DIMENSION 'B' SHALL BE 18" WHEN TRENCH IS 10 FEET DEEP FROM INVERT OF PIPE, AND 36" WHEN THE TRENCH IS GREATER THAN 10 FEET DEEP.
3. SEE STANDARD TRENCH DETAIL FOR BACKFILL AND BEDDING REQUIREMENTS AND OTHER PERTINENT INFORMATION.
4. PAVEMENT MEASURED FOR PAYMENT SHALL BE THAT ACTUALLY REPLACED, EXCEPT THE MEASURED WIDTH SHALL NOT EXCEED THE MAXIMUM WIDTH INDICATED BELOW.

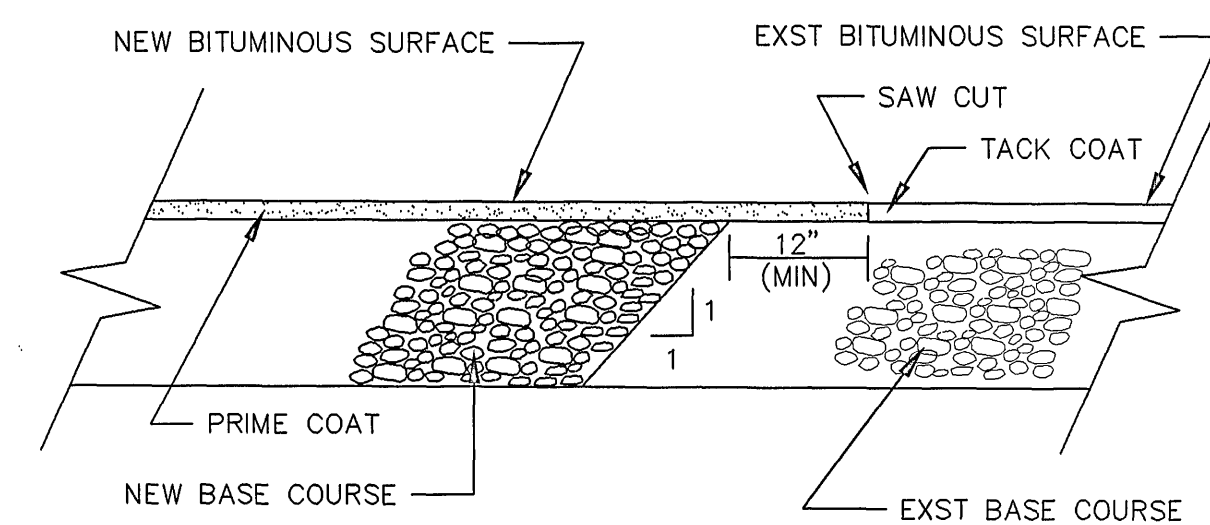


PAVEMENT MEASUREMENT DETAIL



- GENERAL NOTES:
1. Standard commercial "Entrance" shall have a minimum curb radius (R) of 7 1/2 feet.
 2. Minimum Entrance width to be 12 feet.
 3. Where curb & gutter already exists both curb & gutter shall be removed. If proposed entrance falls within five (5) feet of an existing joint removal & reconstruction shall be to that joint. Any concrete removed at other than an existing joint shall be cut with a mechanical saw specifically manufactured for that purpose; this also shall apply to street pavement.
 4. Where sidewalk exists or is to be constructed across driveways the thickness thereof must correspond with the thickness of the entrance.
 5. Whenever "Entrances" exceeds twenty-four (24) feet in width a 1/2" premolded expansion joint filler shall be installed through the center perpendicular to flow line.
 6. Finish "Entrances" shall have a "course broom finish" running parallel to flow line.
 7. Curing shall be accomplished by the use of a liquid membrane seal containing white pigment applied at the rate of one (1) gallon per 150 square feet.
 8. All "Entrance Ways" shall be constructed according to City of Roanoke specifications and to line and grades approved by the City Engineering Department.
 9. Entrances exceeding 30 feet in width shall be approved by the City Manager.

CITY OF ROANOKE
STANDARD COMMERCIAL ENTRANCE
NO SCALE

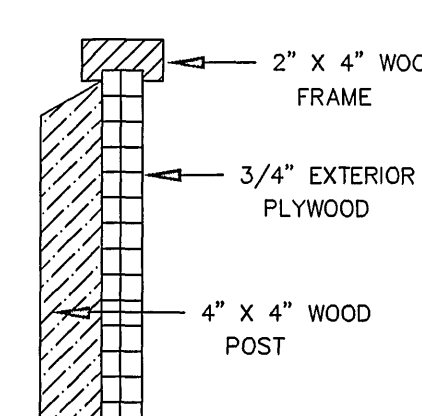


PAVEMENT TRANSITION DETAIL

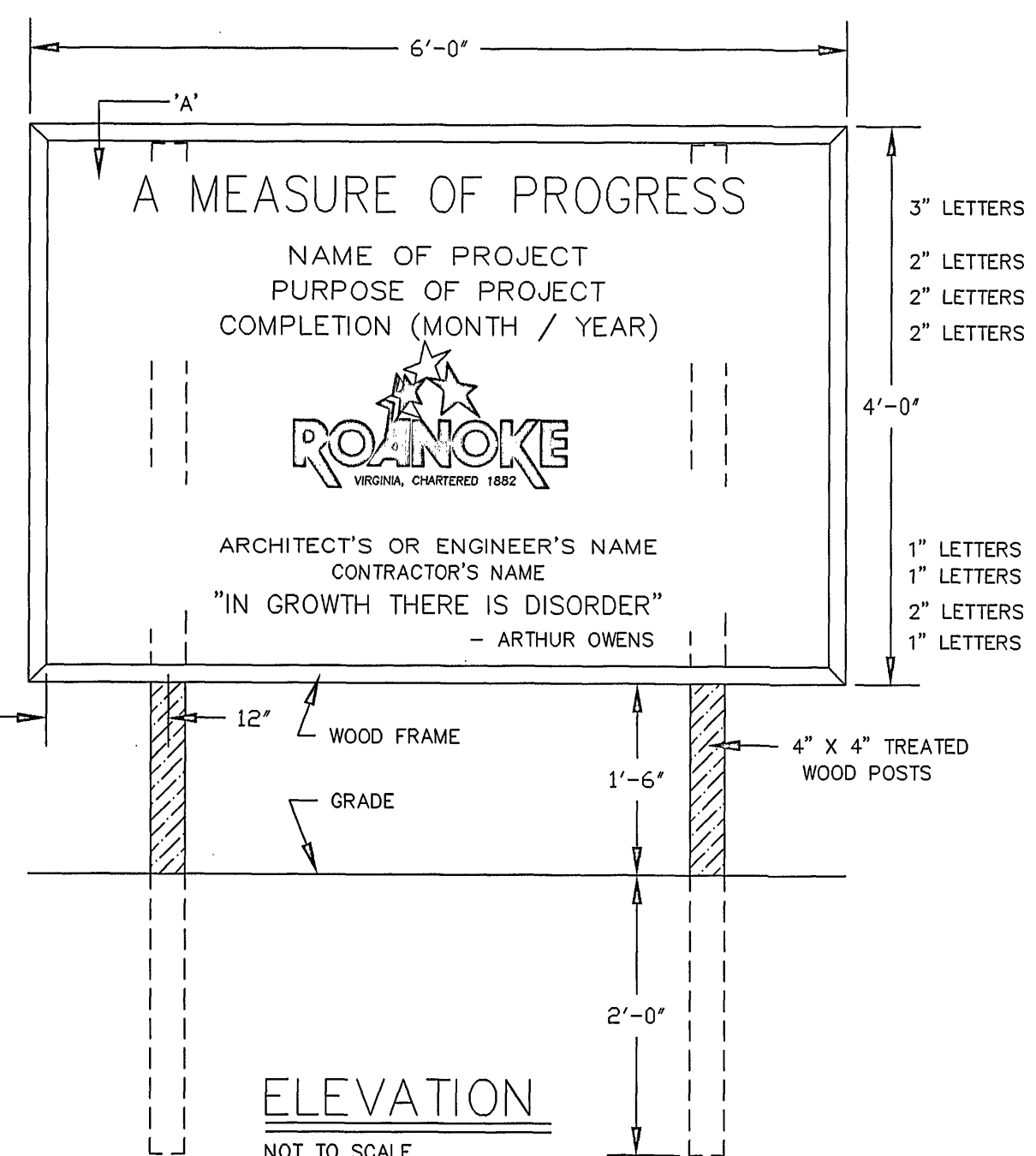
PROJECT SIGN

GENERAL NOTES:

- BACKGROUND PAINTED WHITE.
- FRAME, LETTERS AND "ROANOKE" PAINTED 3M-BLUE-1175-S
- STARS, ARCHITECT'S OR ENGINEER'S AND CONTRACTOR'S NAMES PAINTED 3M-GREEN-1177CS
- "OPTIMA" STYLE LETTERS.



SECTION 'A'
NOT TO SCALE



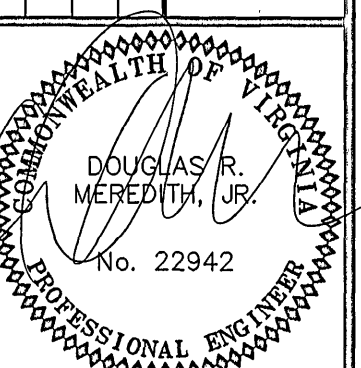
ELEVATION
NOT TO SCALE

UW P.C.
ENGINEERING-ARCHITECTURE-SURVEYING
102 ALBEMARLE AVE., S.E.
ROANOKE, VIRGINIA 24013
(540) 345-0675
FAX (540) 342-4466

FRANKLIN ROAD WATER MAIN
REPLACEMENT PROJECT
CITY OF ROANOKE, VIRGINIA

NO.	DATE	DESCRIPTION	BY

STANDARD DETAILS



Designed By	DME
Drawn By	DME
Checked By	RCW
Approved By	DRM
Submitted By	DRM
Drawing	1479SH16.DWG
Date	4/2/98
Scale	NONE
Commission No.	1479
Sheet	16 of 16