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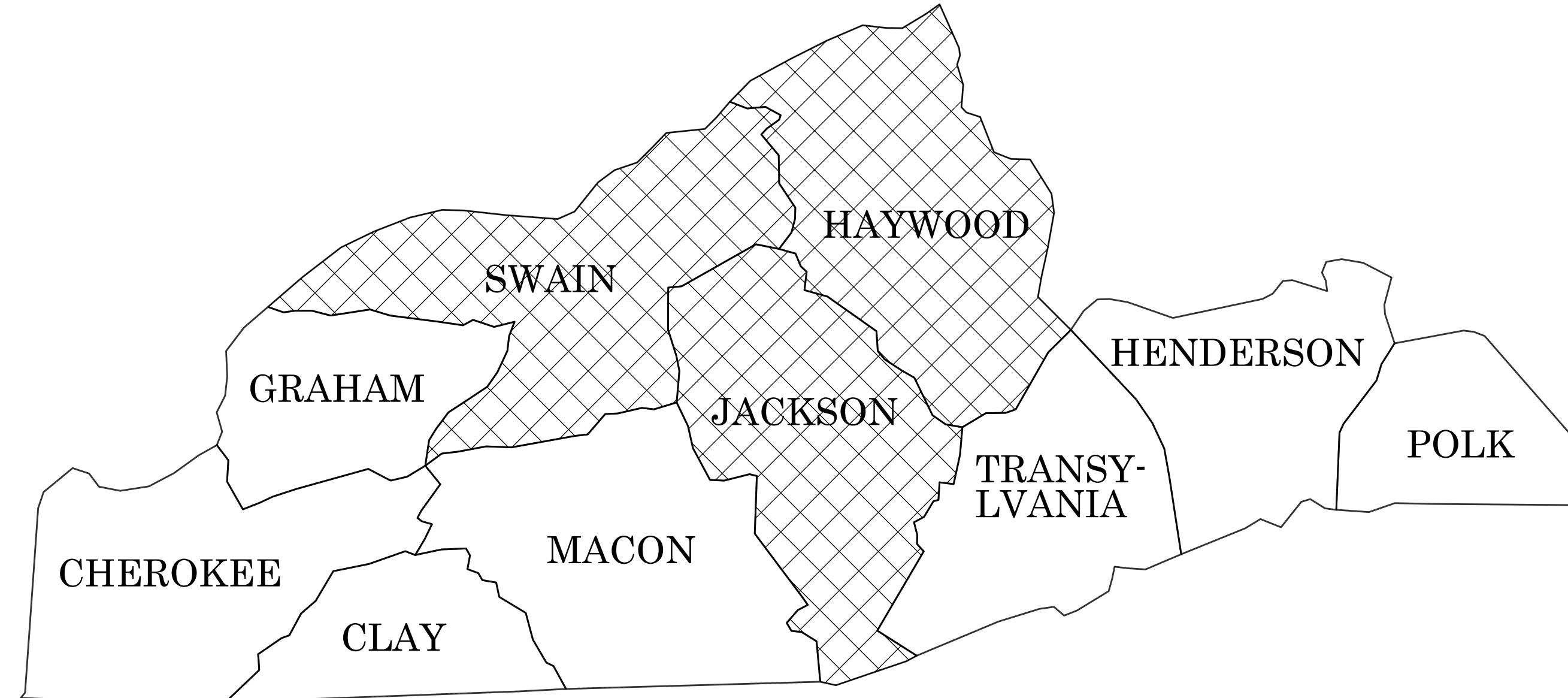
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

DIVISION 14

LOCATION: *VARIOUS LOCATIONS ACROSS
DISTRICT 2 IN DIVISION 14*

TYPE OF WORK: *IDIQ ON-CALL CONCRETE INSTALLATION,
REPAIR & MAINTENANCE SERVICES*

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DN12183352	1	16
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
GMR14.HAY.1P			
GMR14.HAY.2P			
GMR14.JAC.1P			
GMR14.JAC.2P			
GMR14.SWA.1P			
GMR14.SWA.2P			



CONTRACT: DN12183352

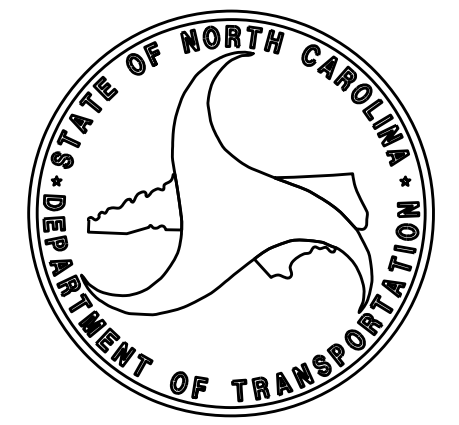
Prepared in the Office of:
DIVISION OF HIGHWAYS
253 WEBSTER RD., SYLVA NC, 28779

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A	WILLIAM WEDDLE, P.E. PROJECT ENGINEER
LETTING DATE: AUGUST 12, 2025	JAMES HOLLINGSWORTH PROJECT DESIGN ENGINEER

ROADWAY DESIGN ENGINEER

SIGNATURE: P.E.



INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS AND STANDARD DRAWINGS
2B-1	CONCRETE WASHOUT STRUCTURE
2D-1 thru 2D-13	TRANSITION DETAILS

GENERAL NOTES: 2024 SPECIFICATIONS

DISPOSAL OF ALL CONCRETE MATERIALS NOT COVERED BY THE 2024 STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, IS CONSIDERED INCIDENTAL TO ALL OTHER PAY ITEMS IN THE CONTRACT

2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO. TITLE

DIVISION 3 - PIPE CULVERTS

300.01 Method of Pipe Installation
310.10 Driveway Pipe Construction

DIVISION 8 - INCIDENTALS

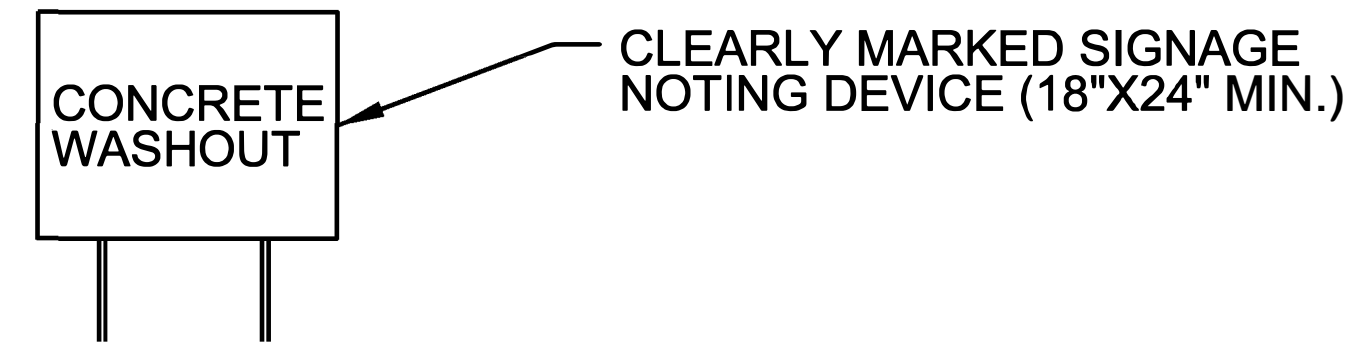
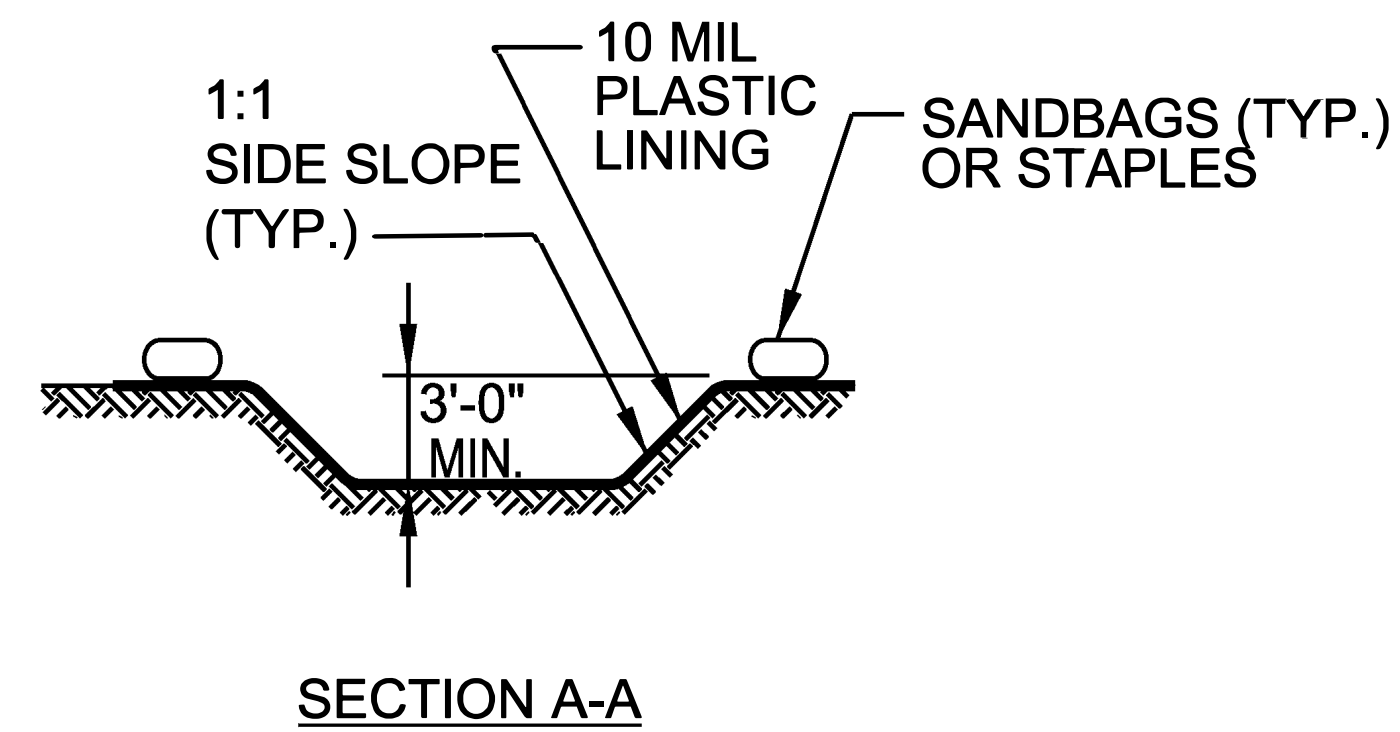
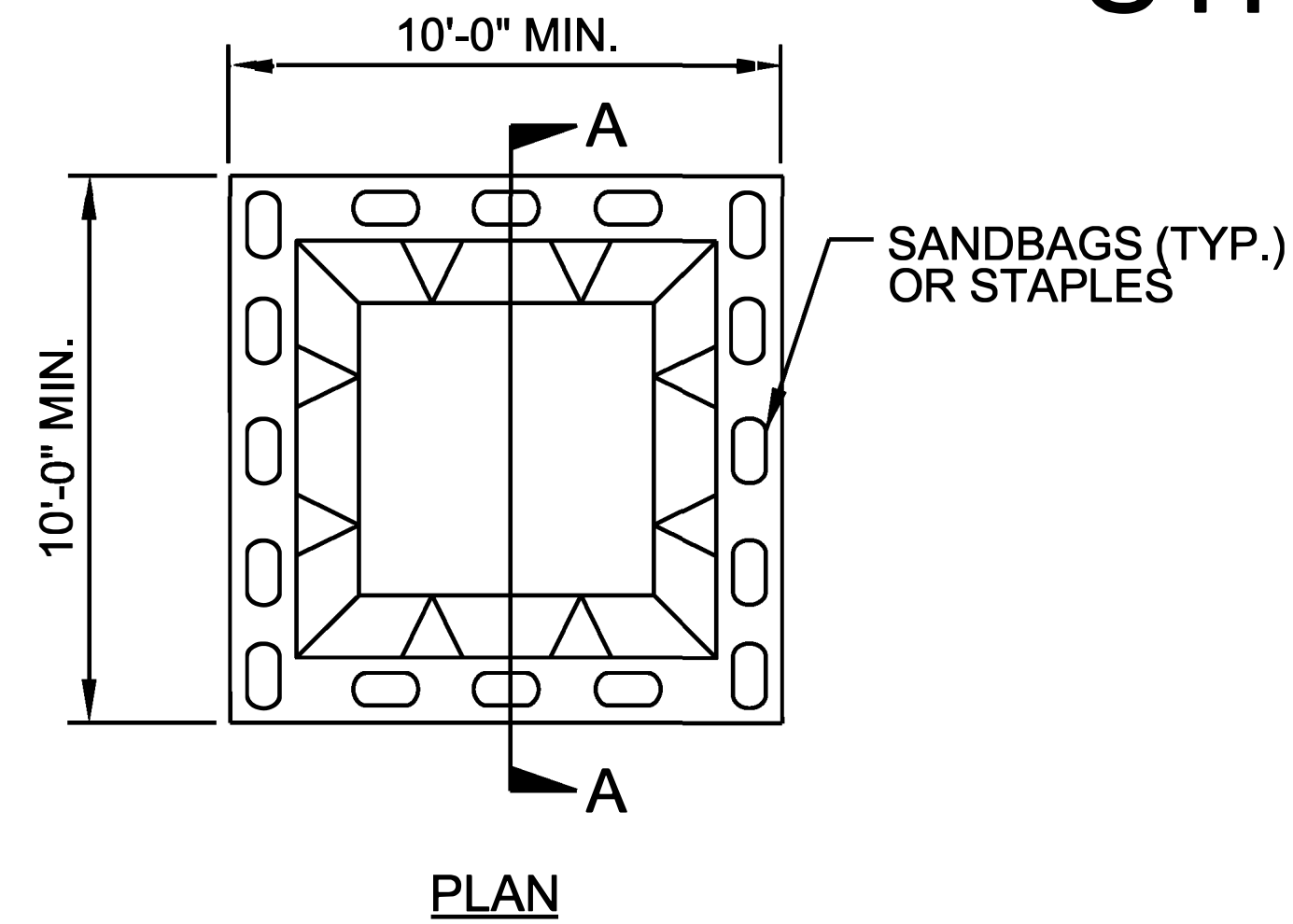
846.01 Concrete Curb, Gutter and Curb & Gutter
848.01 Concrete Sidewalk
848.02 Driveway Turnout - Radius Type
848.03 Driveway Turnout - Drop Curb Type
848.04 Street Turnout
848.06 Curb Ramp - Existing Curb & Gutter
850.01 Concrete Paved Ditches
852.01 Concrete Islands
852.02 Concrete Mountable Median - for Use with Rigid or Flexible Pavement
852.10 Median Construction - with Curb and Gutter

DIVISION 11 - WORK ZONE TRAFFIC CONTROL

1101.01 WORK ZONE WARNING SIGNS
1101.02 TEMPORARY LANE CLOSURES
1101.03 TEMPORARY ROAD CLOSURES
1101.04 TEMPORARY SHOULDER CLOSURES
1101.05 WORK ZONE VEHICLE ACCESSES
1101.06 WARNING SIGNS FOR BLASTING ZONES
1101.11 TRAFFIC CONTROL DESIGN TABLES
1110.01 STATIONARY WORK ZONE SIGNS
1110.02 PORTABLE WORK ZONE SIGNS
1115.01 FLASHING ARROW BOARDS
1130.01 DRUMS
1135.01 CONES
1145.01 BARRICADES
1150.01 FLAGGING DEVICES
1160.01 TEMPORARY CRASH CUSHION
1165.01 TRUCK MOUNTED ATTENUATOR
1170.01 PORTABLE CONCRETE BARRIER
1180.01 SKINNY - DRUMS

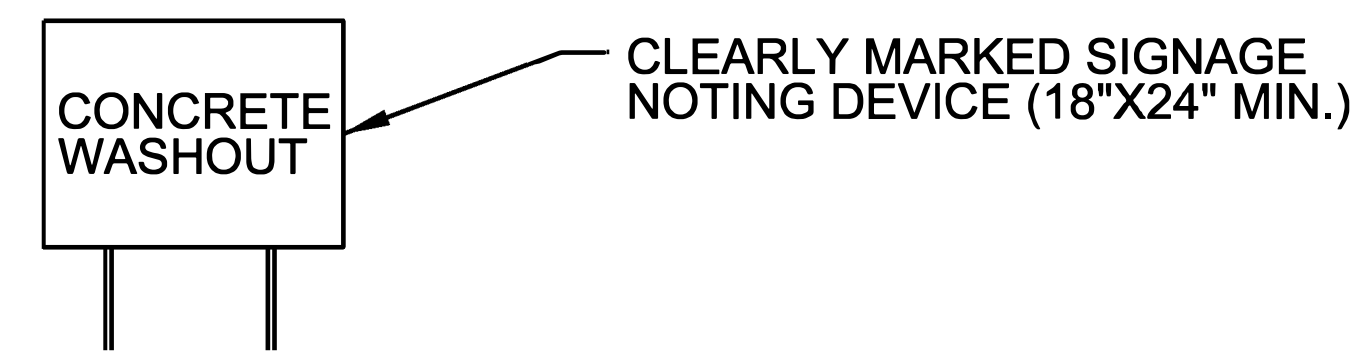
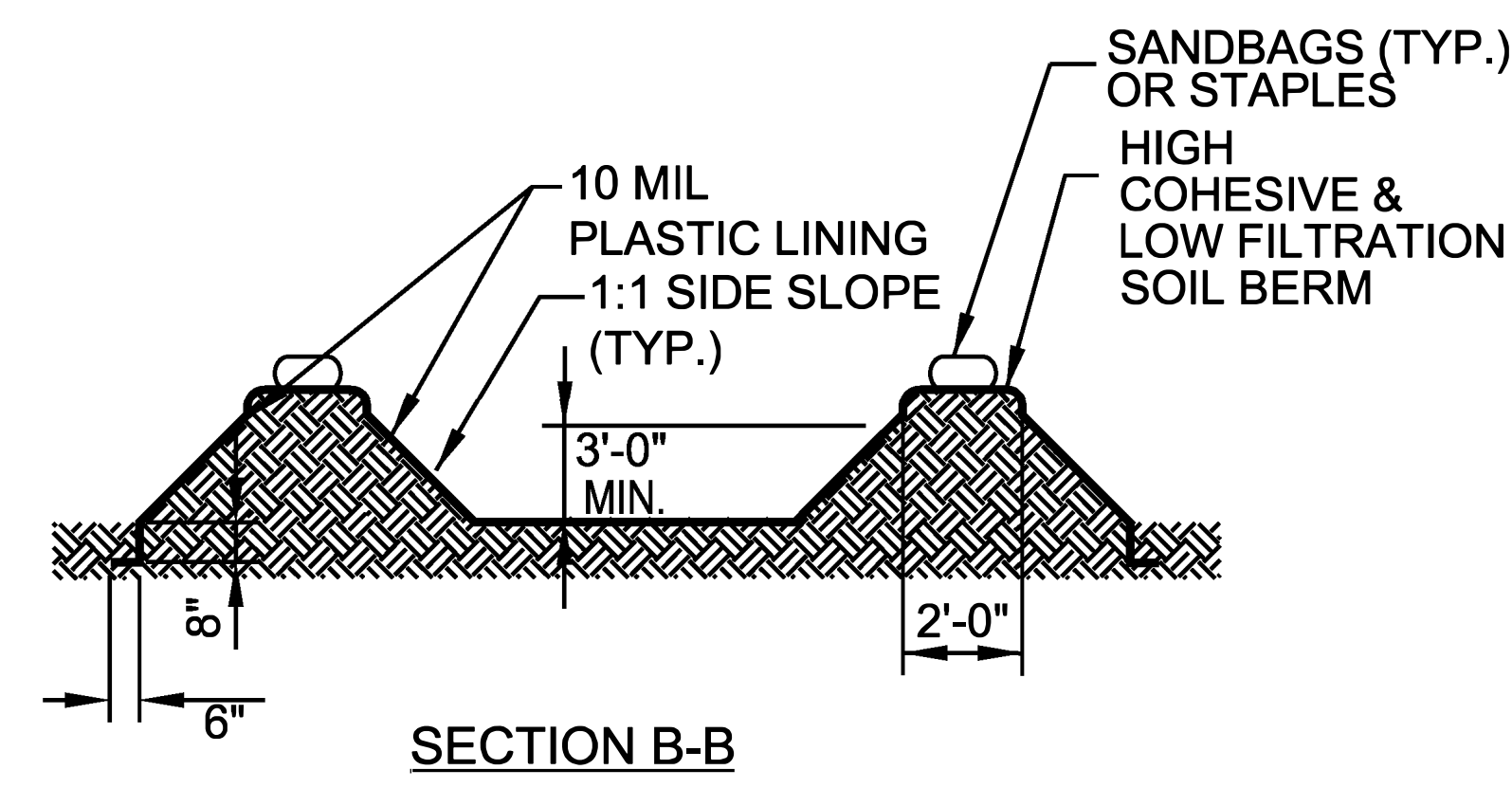
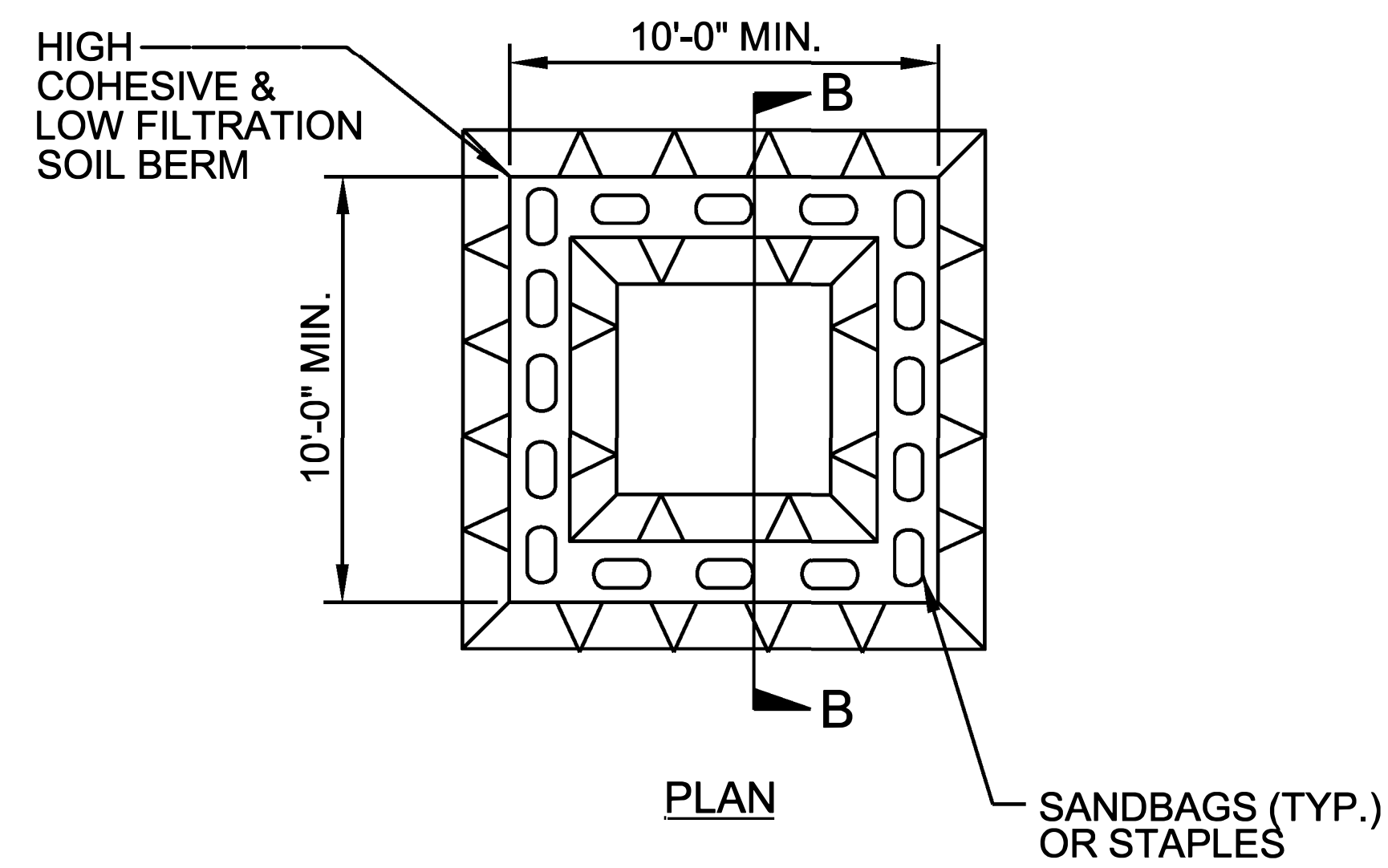
PROJECT REFERENCE NO. <i>DN12183352</i>	SHEET NO. 2B-1
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



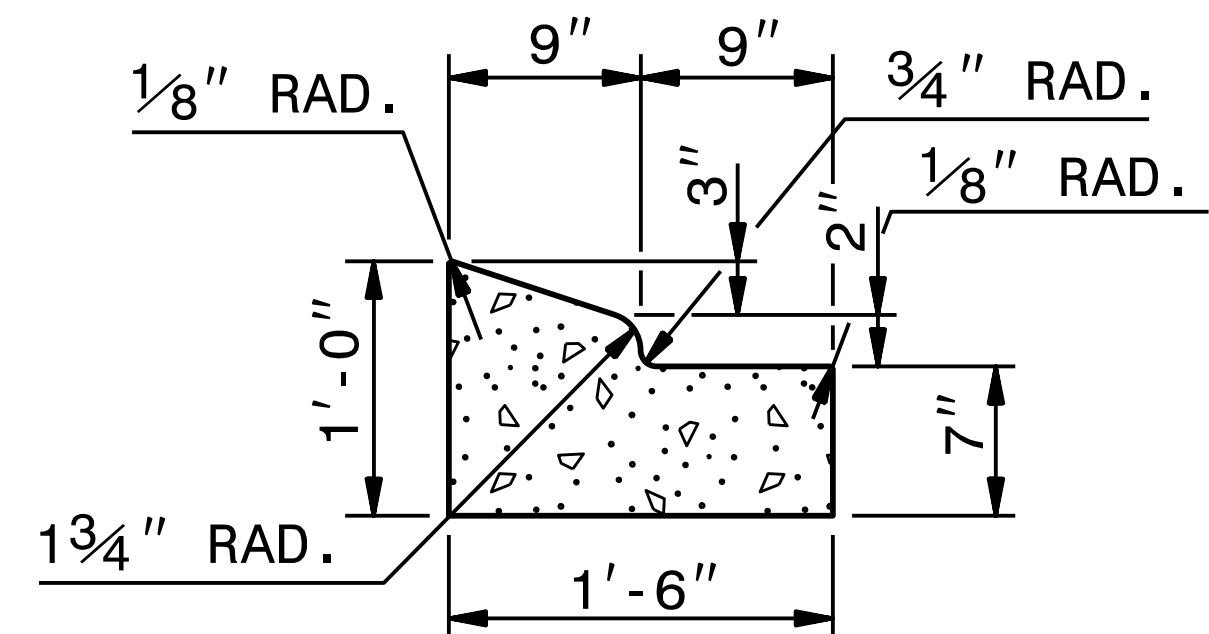
BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

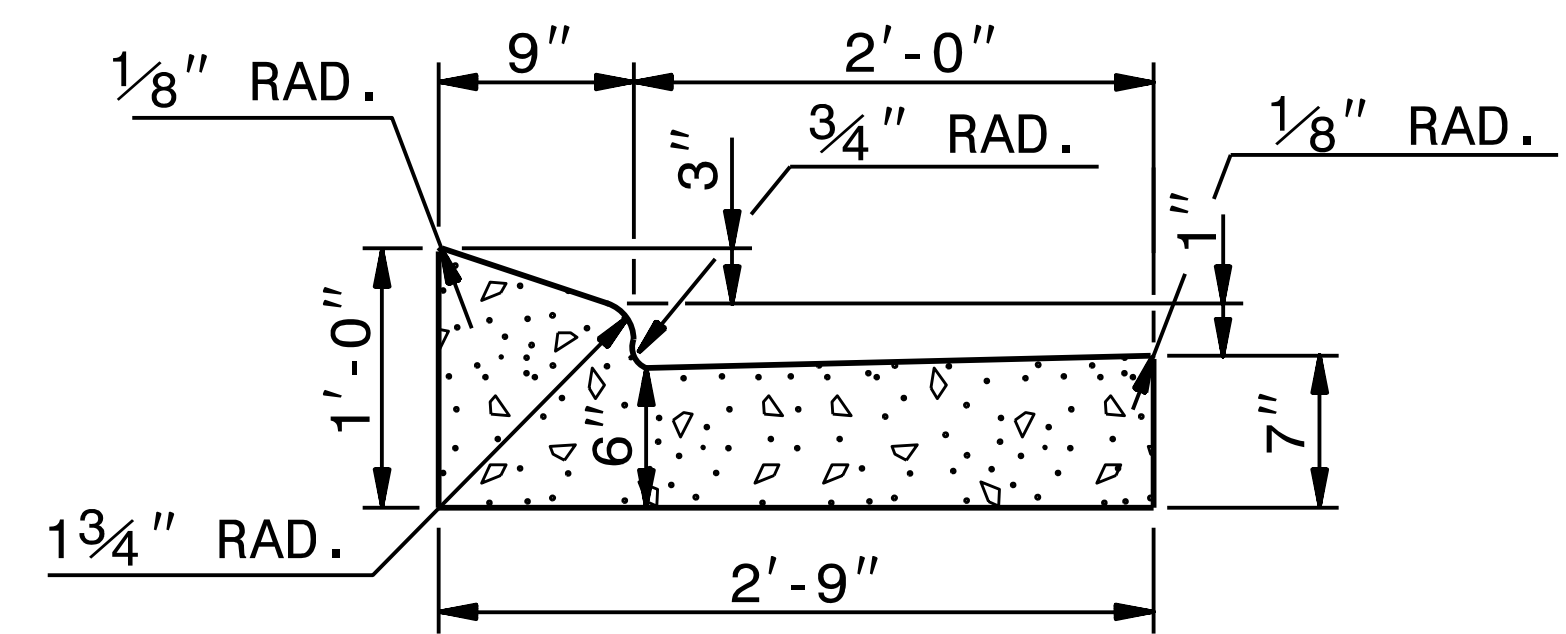


ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

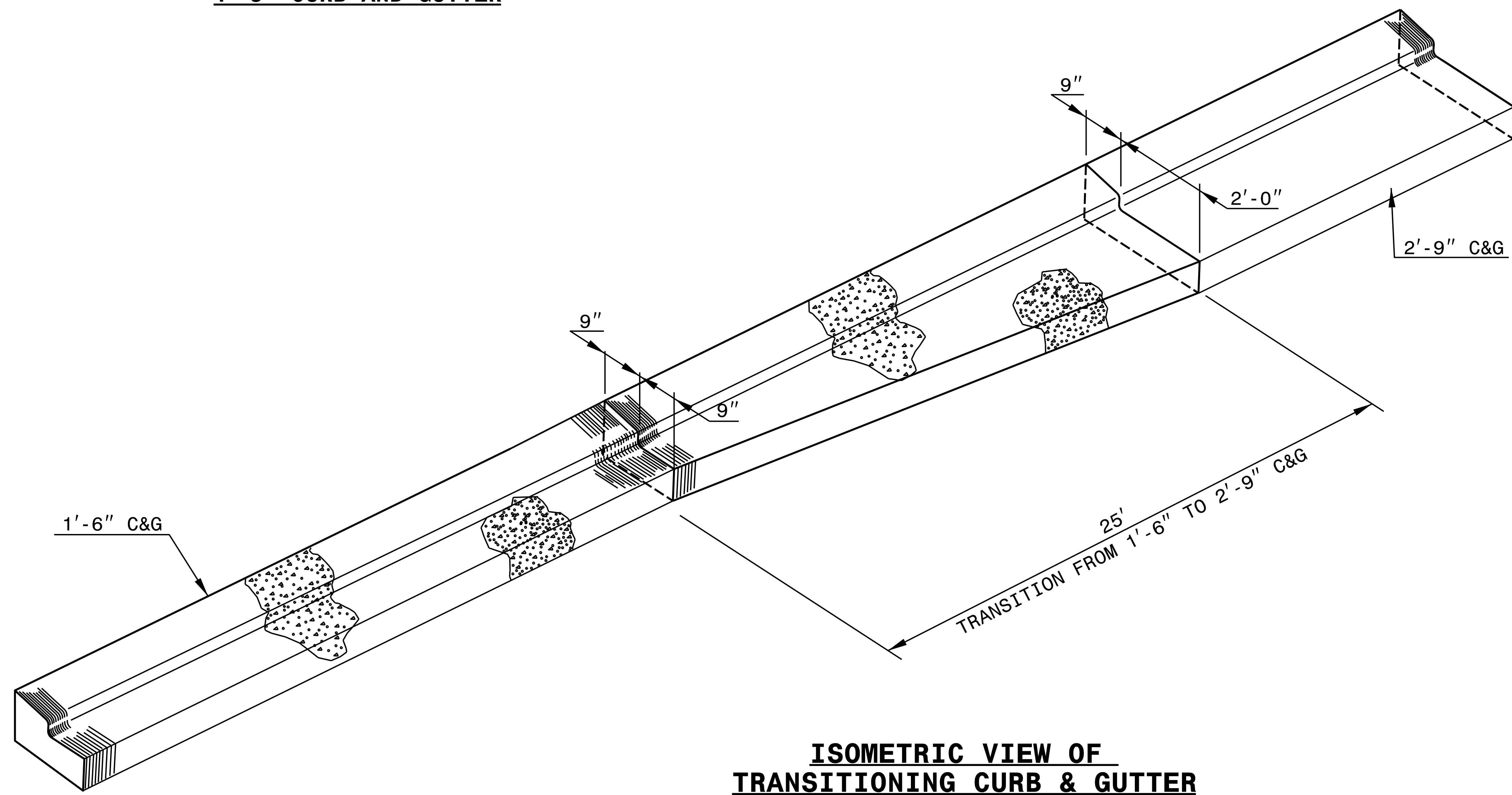


1'-6" CURB AND GUTTER

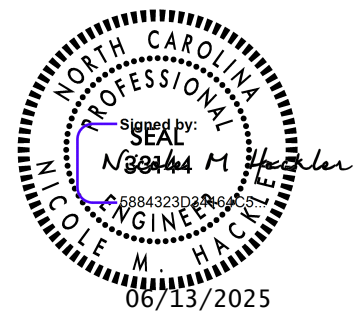


2'-9" CURB AND GUTTER

NOTE: SEE STD. DWG. 846.01 FOR ADDITIONAL CURB AND GUTTER INFORMATION.
SEE ROADWAY PLANS FOR LOCATION OF CURB TRANSITION.

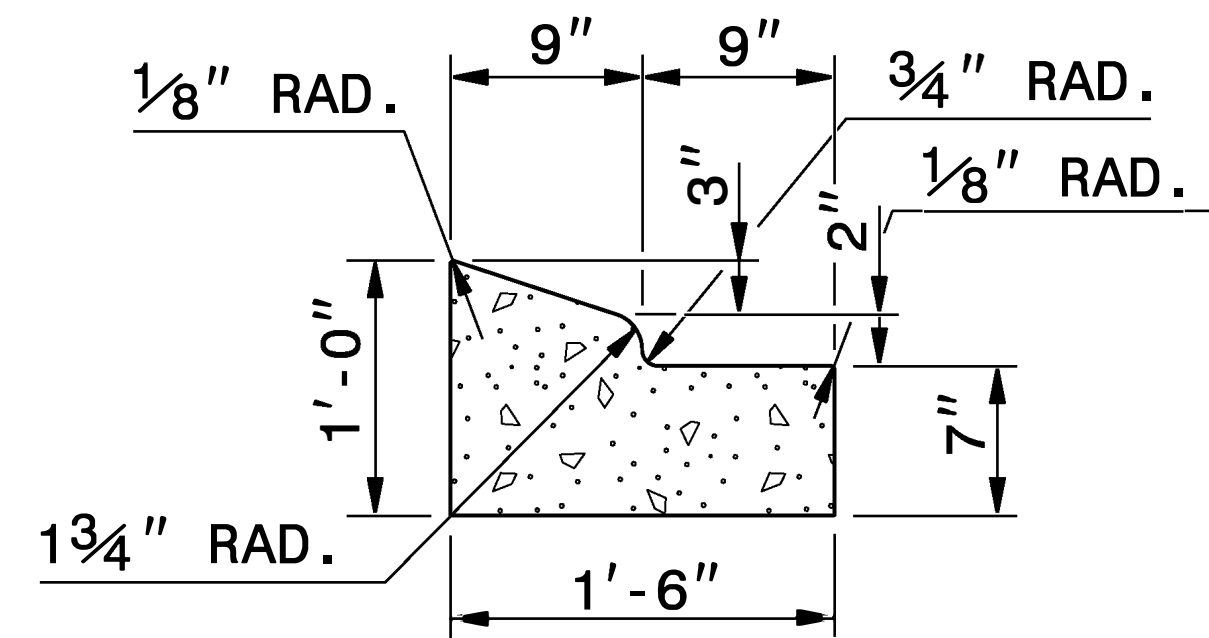


**ISOMETRIC VIEW OF
TRANSITIONING CURB & GUTTER**

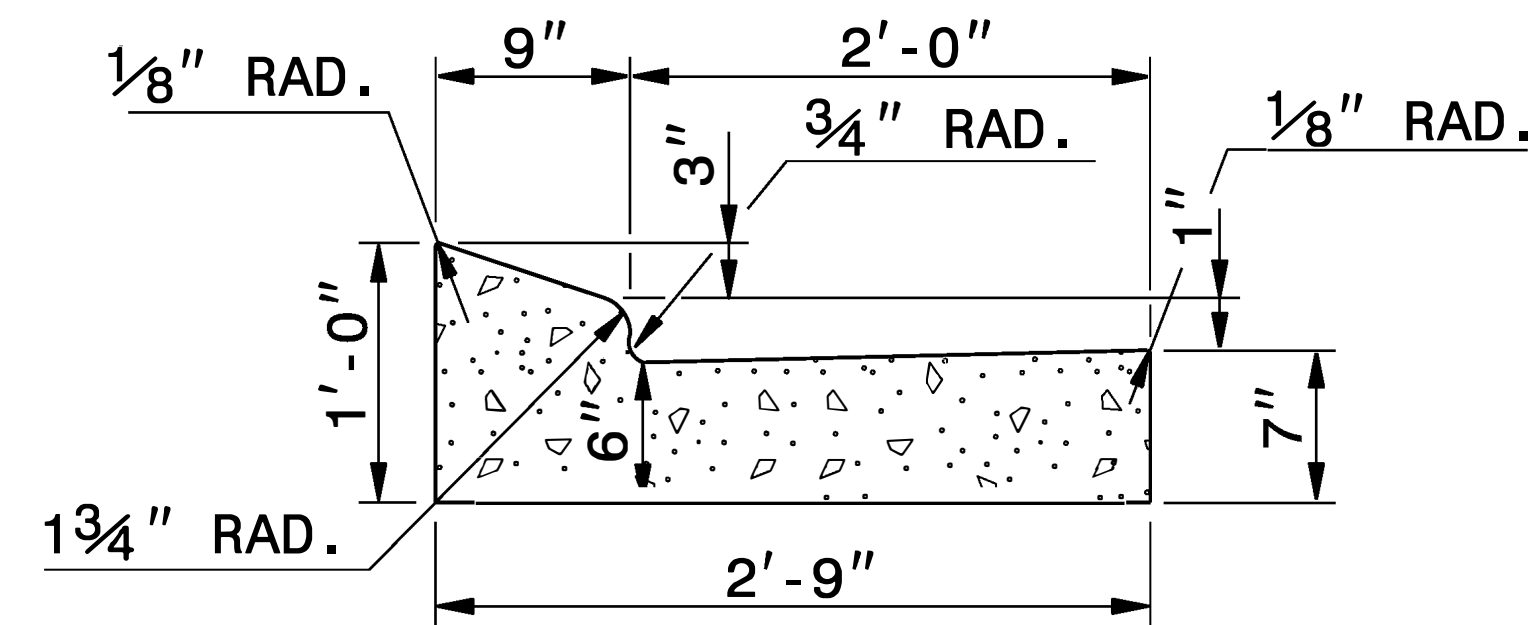


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950 FAX 919-250-4119	
DETAIL OF 1'-6" TO 2'-9" CURB & GUTTER TRANSITION SECTION	
ORIGINAL BY: T.S. SPELL	DATE: NOV. 26, 2001
MODIFIED BY: T.S. SPELL	DATE: JAN. 23, 2007
CHECKED BY:	DATE:
FILE SPEC.: DS174:/usr/details/stand/cattransit.dgn	



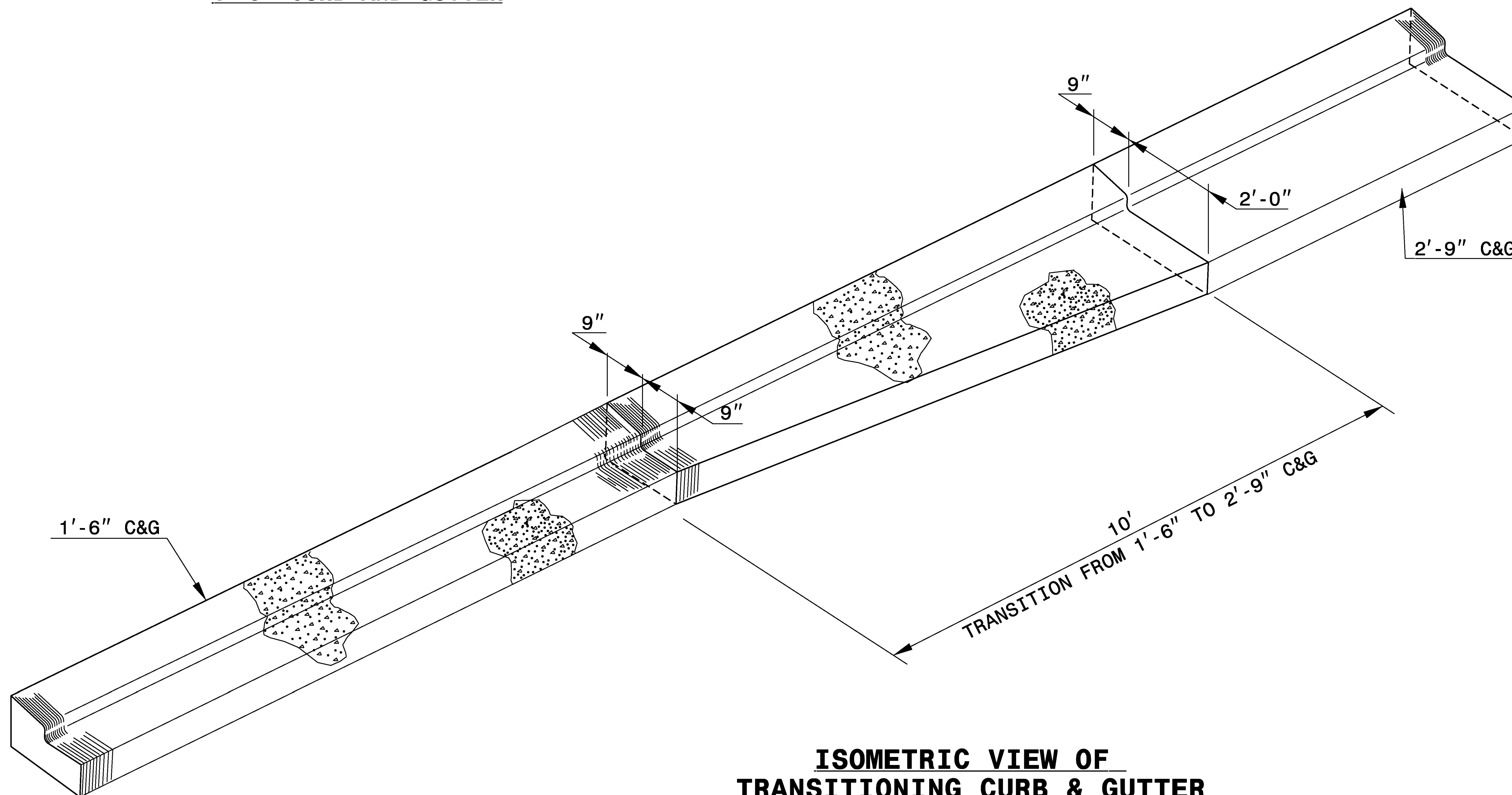
1'-6" CURB AND GUTTER



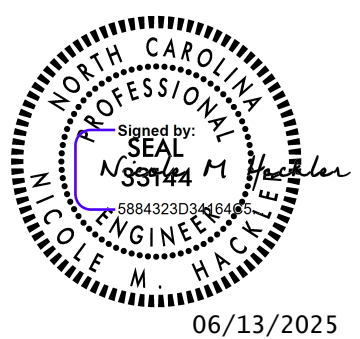
2'-9" CURB AND GUTTER

NOTE: SEE STD. DWG. 846.01 FOR ADDITIONAL CURB AND GUTTER INFORMATION.

SEE ROADWAY PLANS FOR LOCATION OF CURB TRANSITION.



**ISOMETRIC VIEW OF
TRANSITIONING CURB & GUTTER**

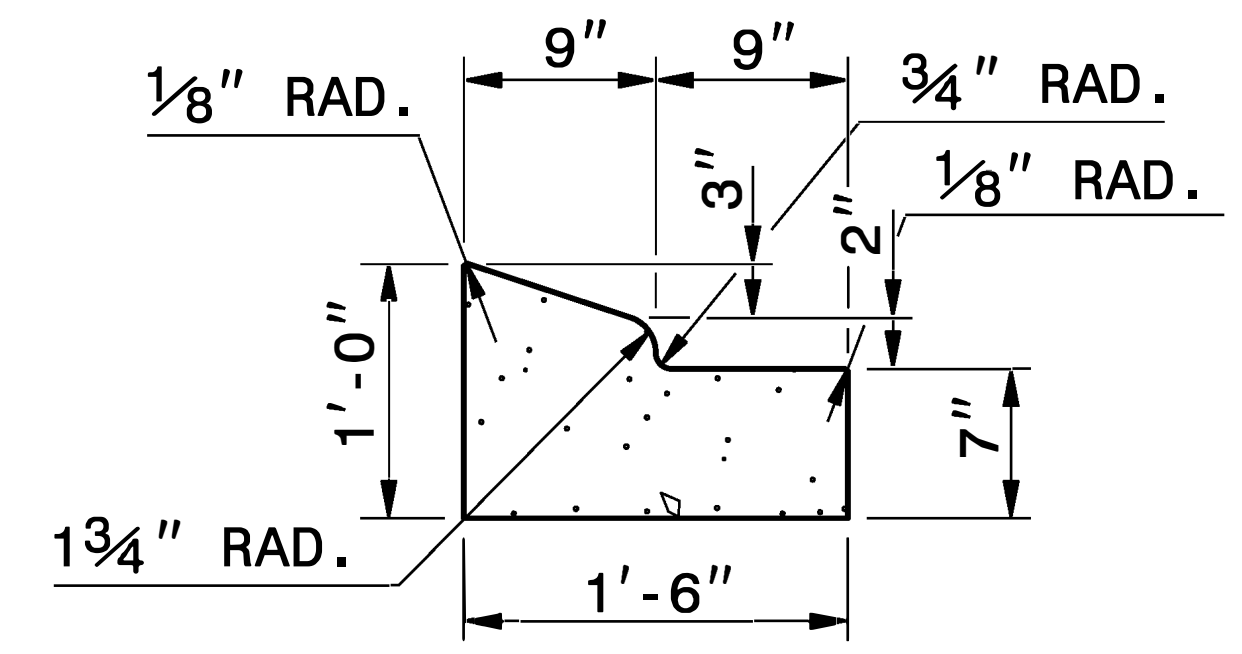


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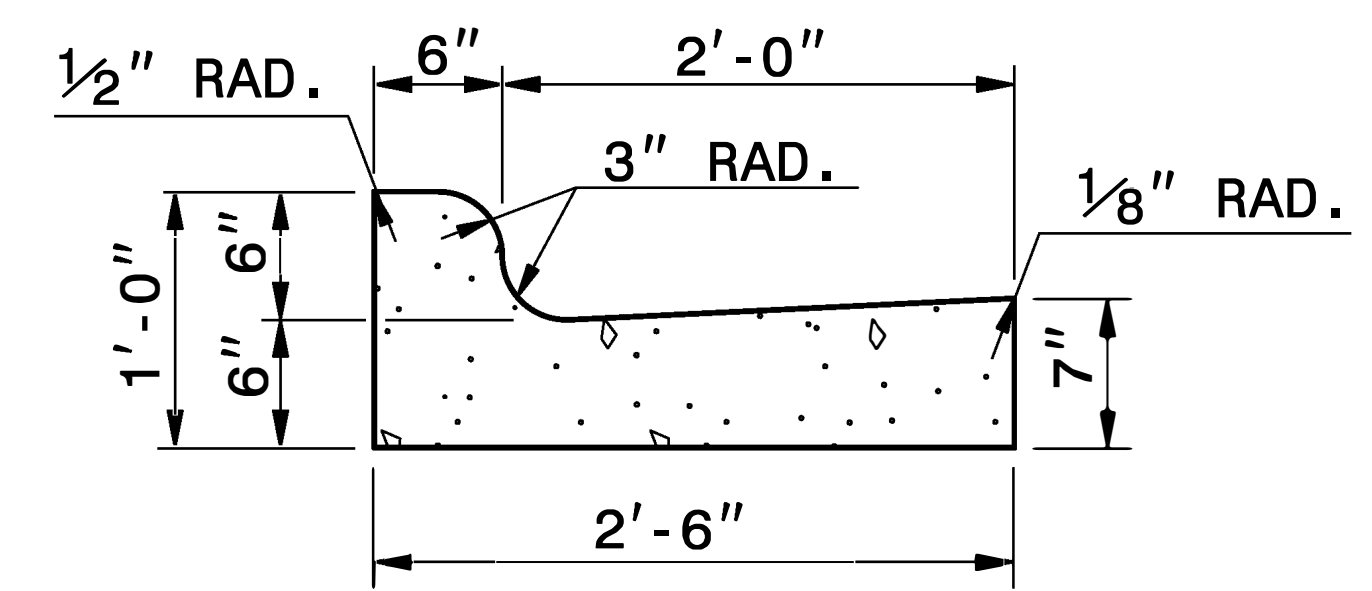
**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

**DETAIL OF 1'-6"
TO 2'-9" CURB & GUTTER
TRANSITION SECTION**

ORIGINAL BY: T.S. SPELL DATE: NOV. 26, 2001
 MODIFIED BY: T.S. SPELL DATE: JAN. 23, 2007
 CHECKED BY: DATE:
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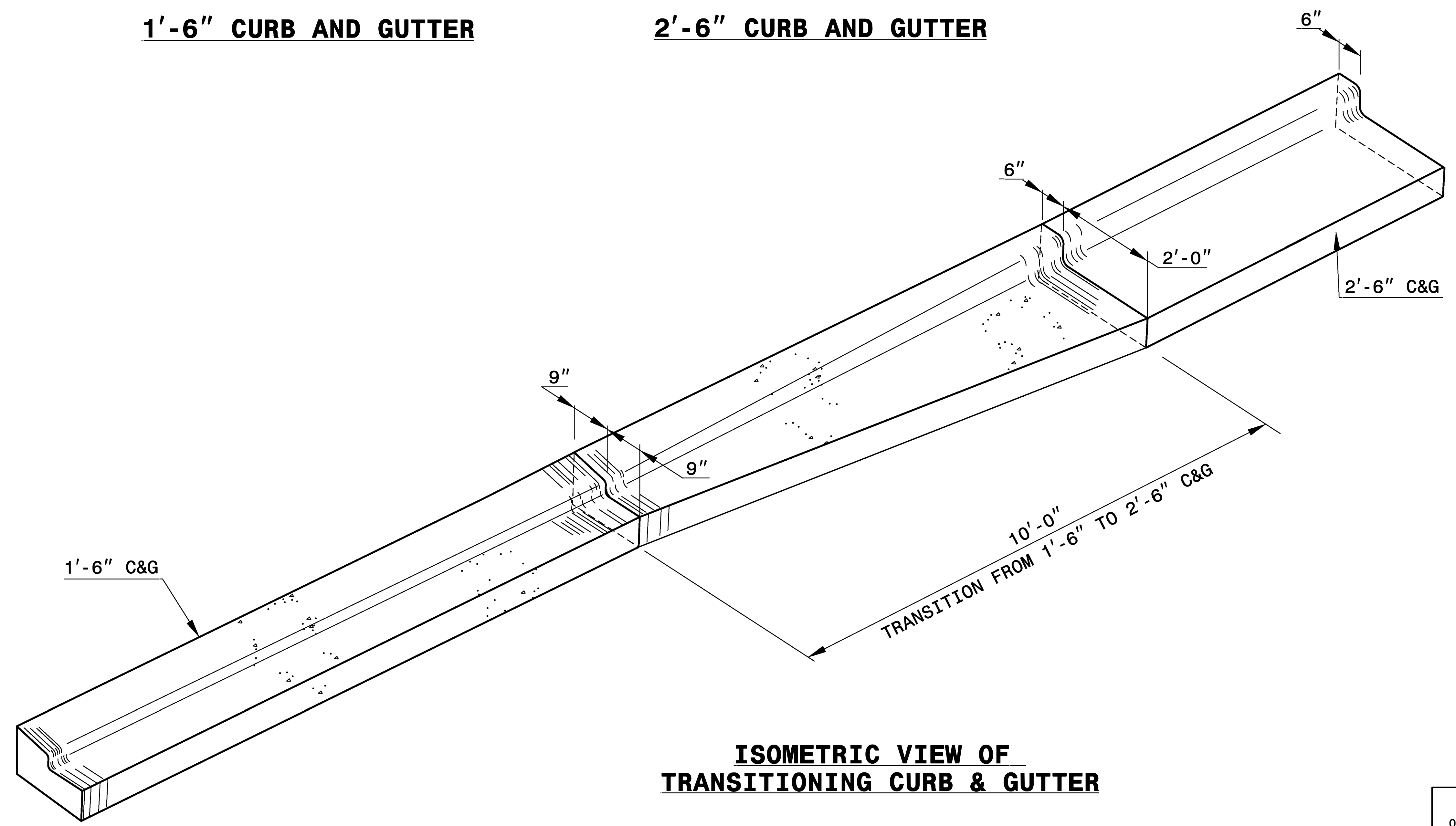


1'-6" CURB AND GUTTER

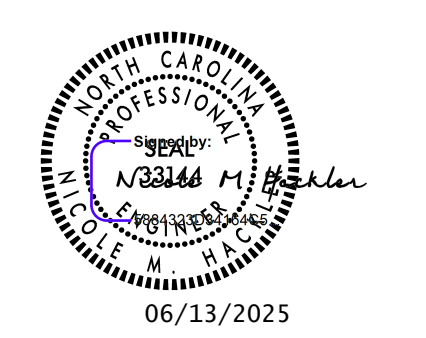


2'-6" CURB AND GUTTER

NOTE: SEE STD. DWG. 846.01 FOR ADDITIONAL CURB AND GUTTER INFORMATION.
SEE ROADWAY PLANS FOR LOCATION OF CURB TRANSITION.



ISOMETRIC VIEW OF TRANSITIONING CURB & GUTTER

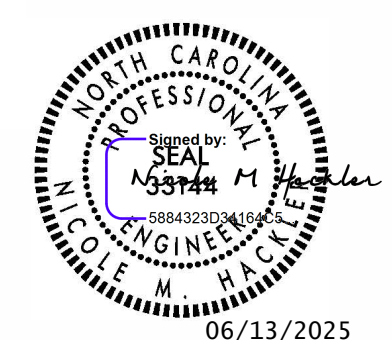
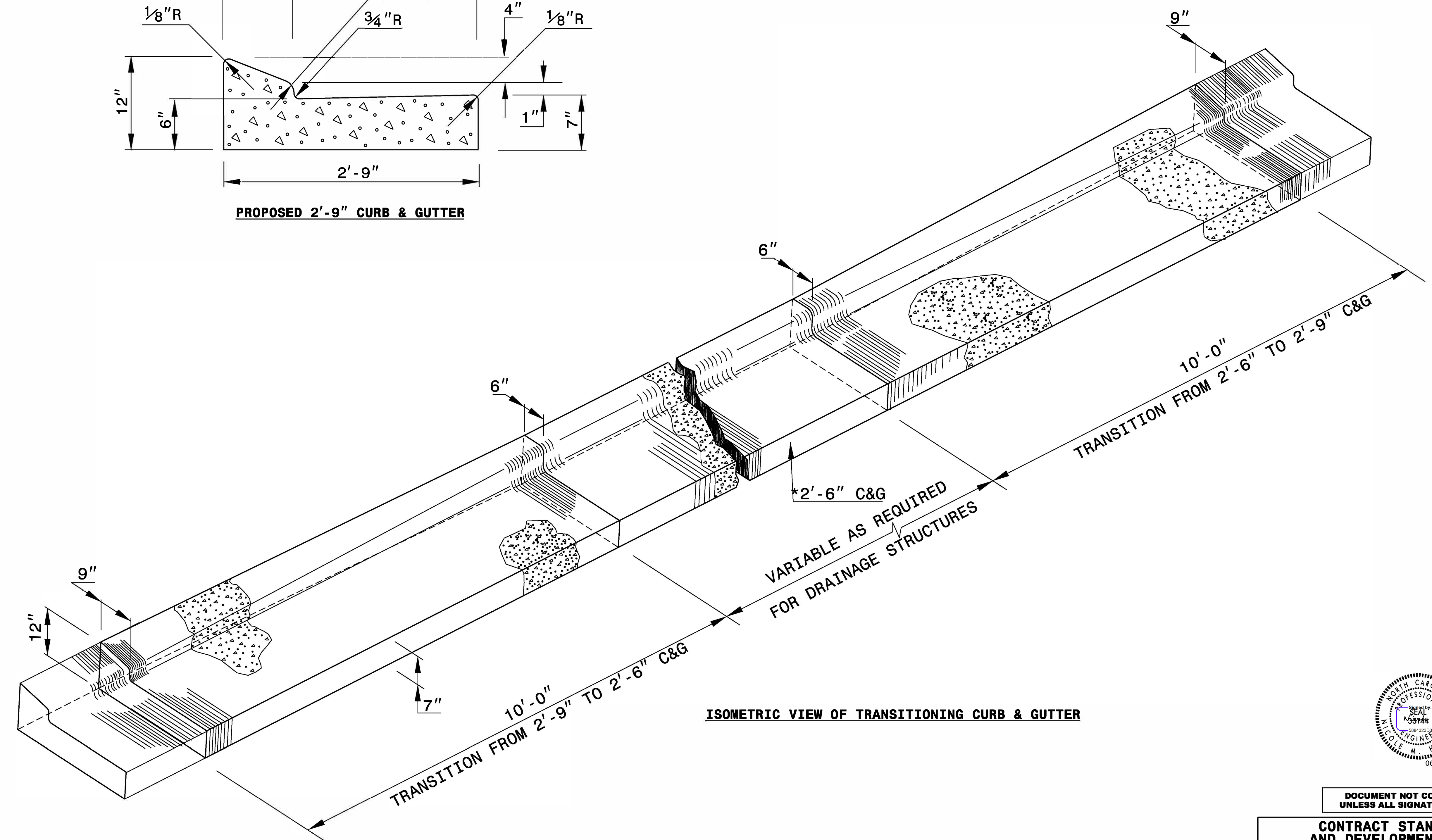
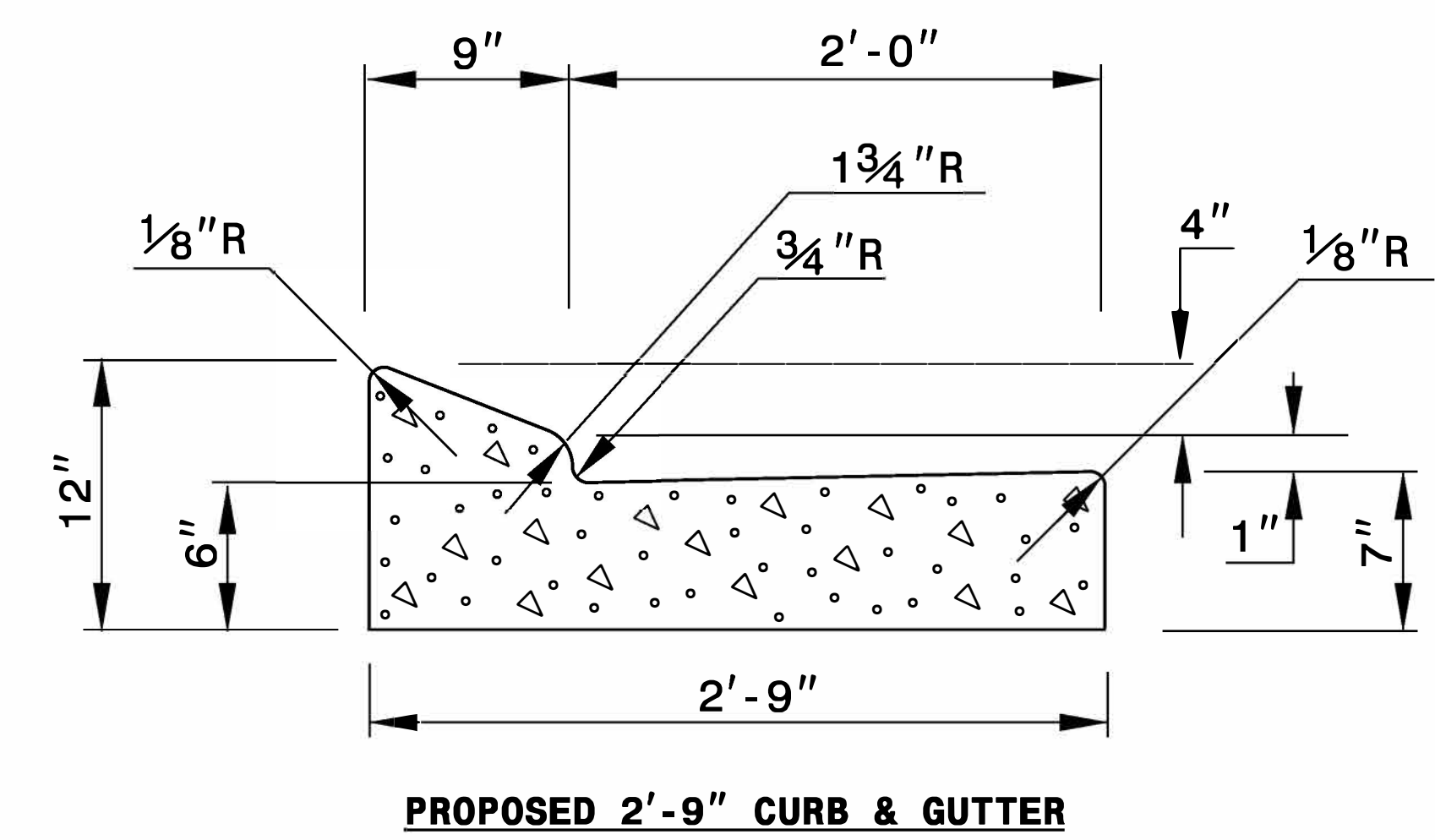


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119
DETAIL OF 1'-6" TO 2'-6" CURB & GUTTER TRANSITION SECTION

ORIGINAL BY: T.S. SPELL DATE: MARCH 3, 2000
MODIFIED BY: DATE:
CHECKED BY: DATE:
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*NOTE: SEE STD. DWG. 846.01
FOR 2'-6" CURB AND GUTTER
INFORMATION.

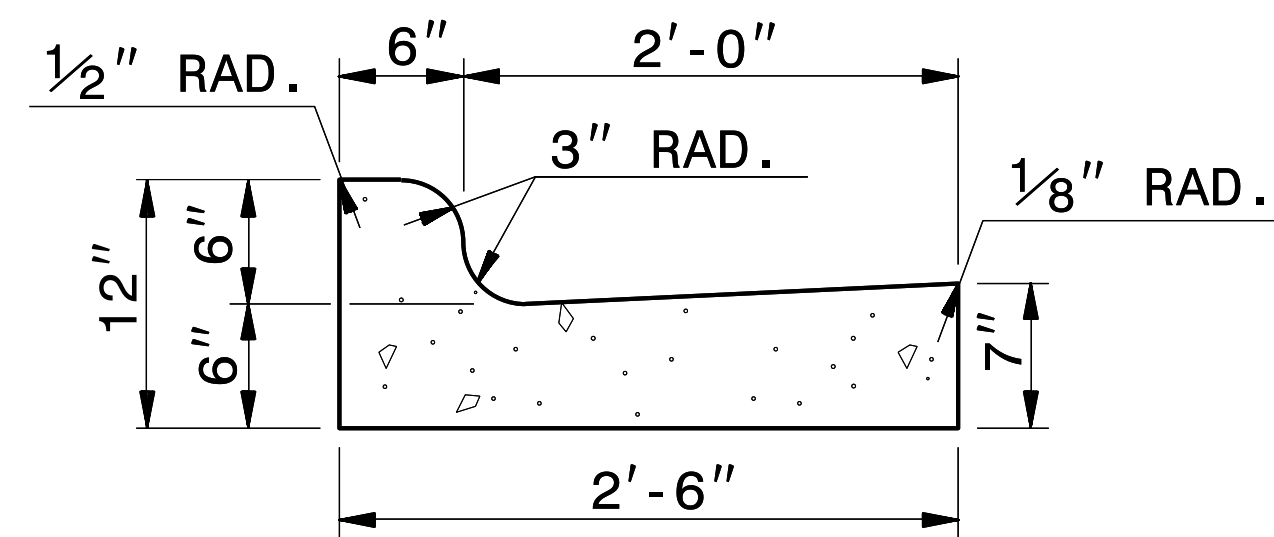


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UNLESS ALL SIGNATURES COMPLETED

**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

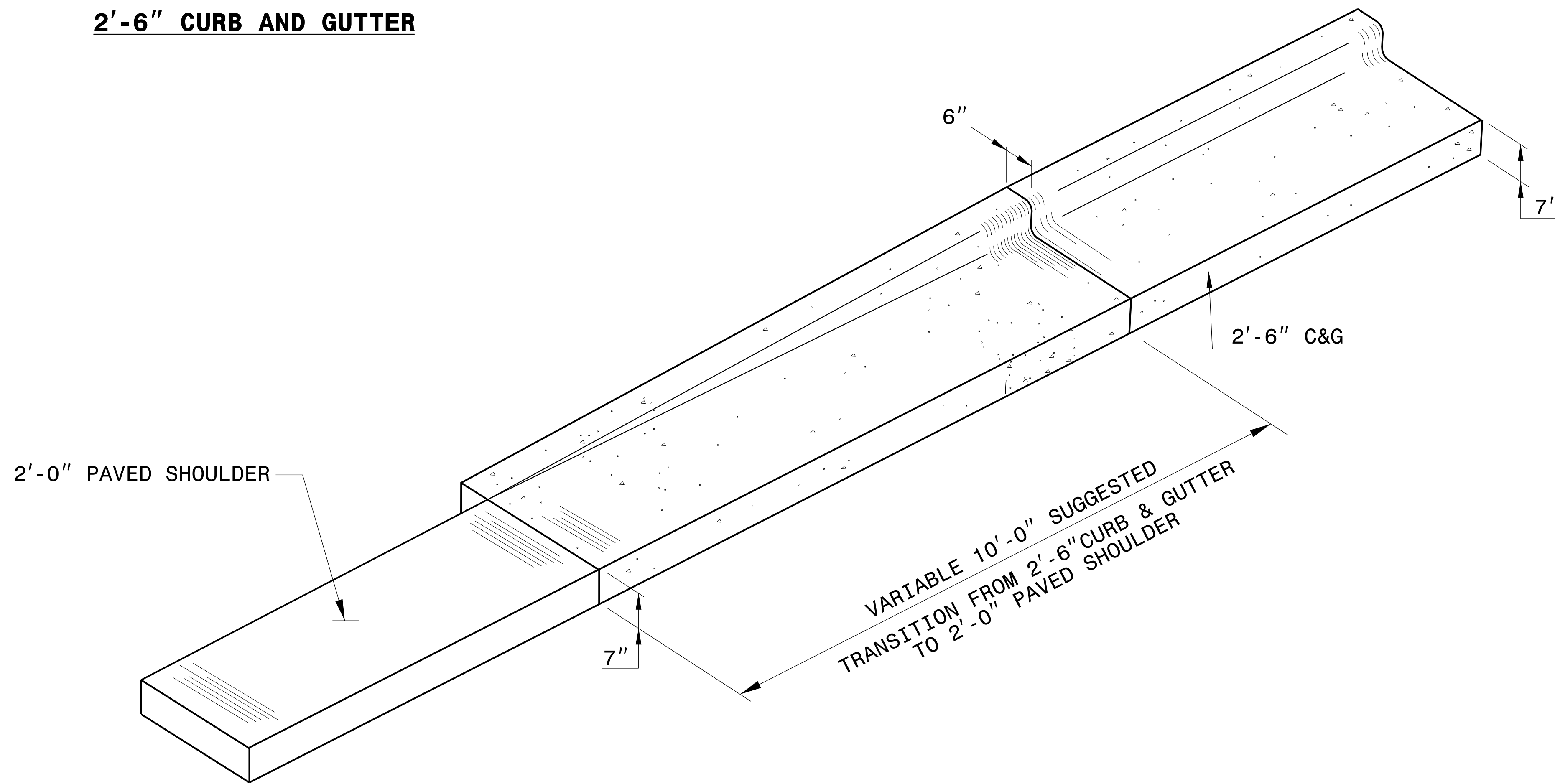
**DETAIL OF 2'-9"
TO 2'-6" CURB & GUTTER
TRANSITION SECTION**

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MODIFIED BY: _____	DATE: _____
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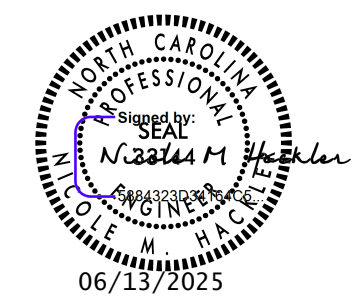


2'-6" CURB AND GUTTER

***NOTE: SEE STD. DWG. 846.01 FOR GENERAL NOTES**



ISOMETRIC VIEW OF TRANSITION

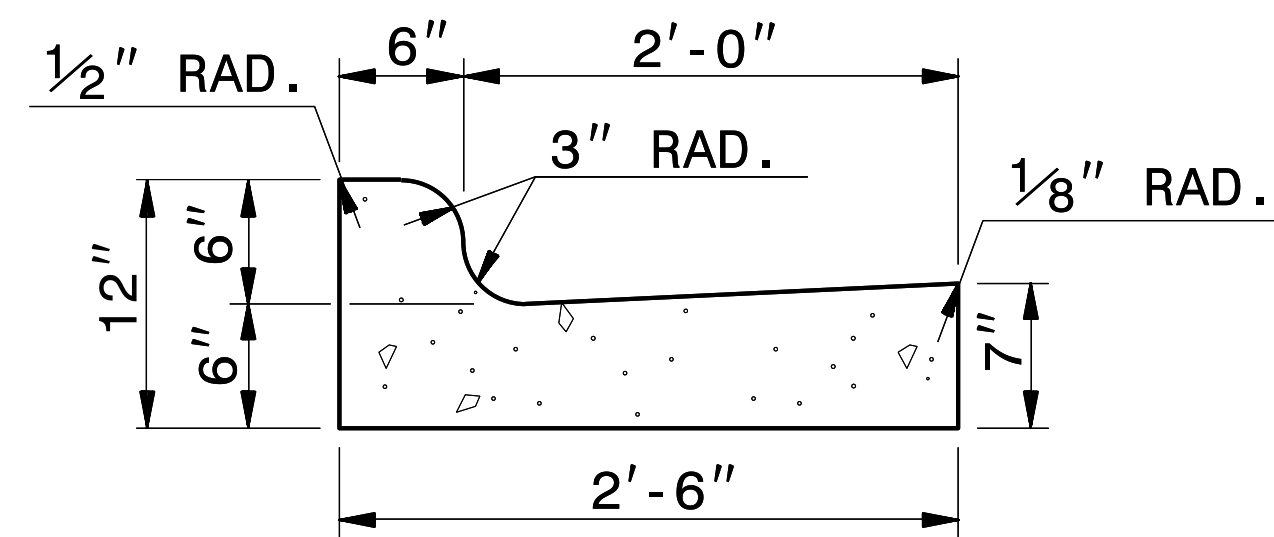


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**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

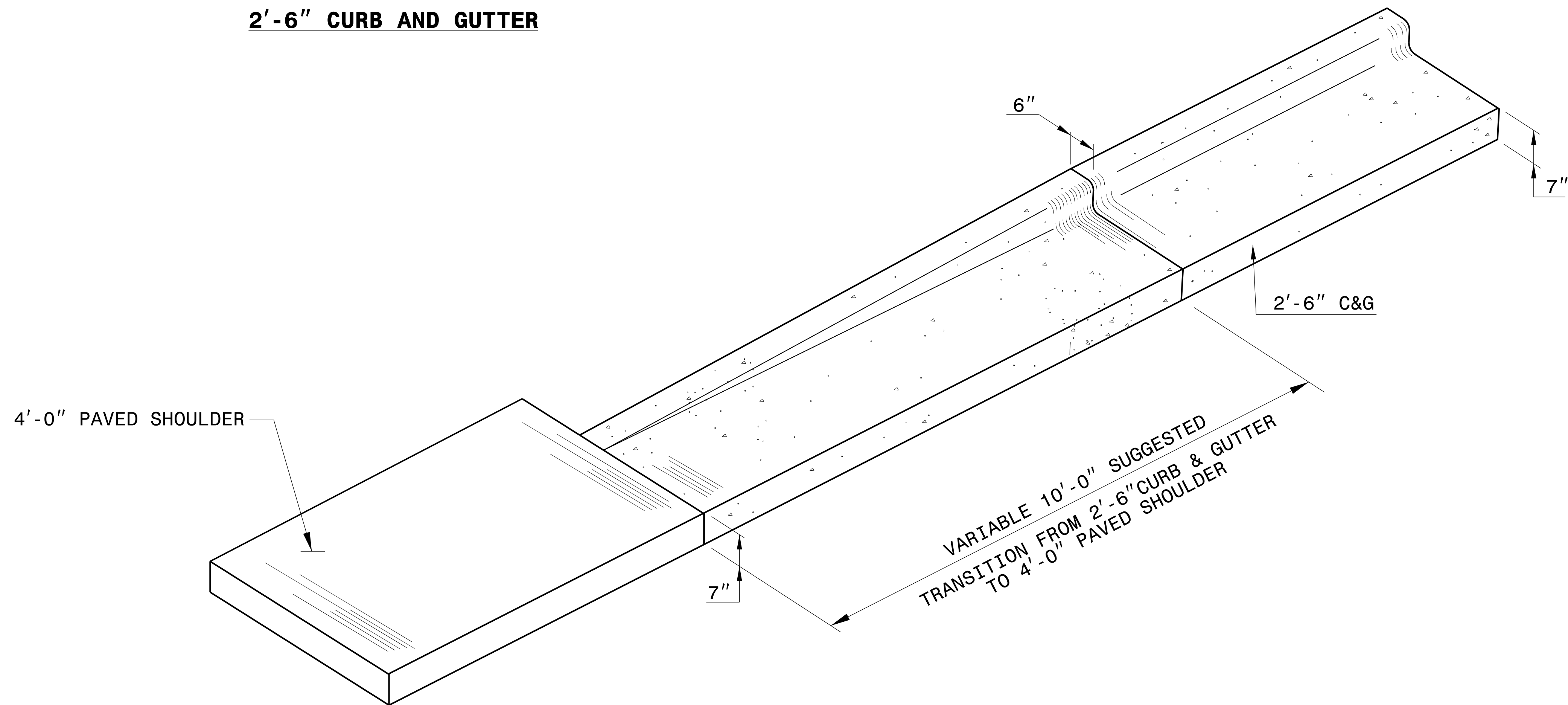
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FROM 2'-6" CURB & GUTTER
TO 2'-0" PAVED SHOULDER**

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MODIFIED BY: rnbritt DATE: 04-13-2016
CHECKED BY: _____ DATE: _____
FILE SPEC: details/nbritt/english/misc/c&g_transition_sections.dgn

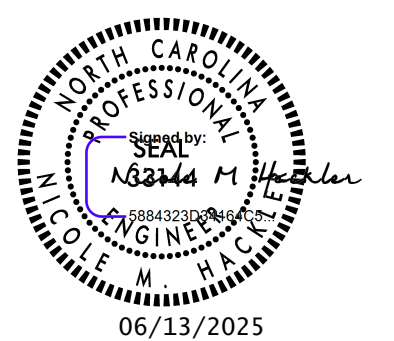


2'-6" CURB AND GUTTER

***NOTE: SEE STD. DWG. 846.01 FOR GENERAL NOTES**



ISOMETRIC VIEW OF TRANSITION



06/13/2025

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

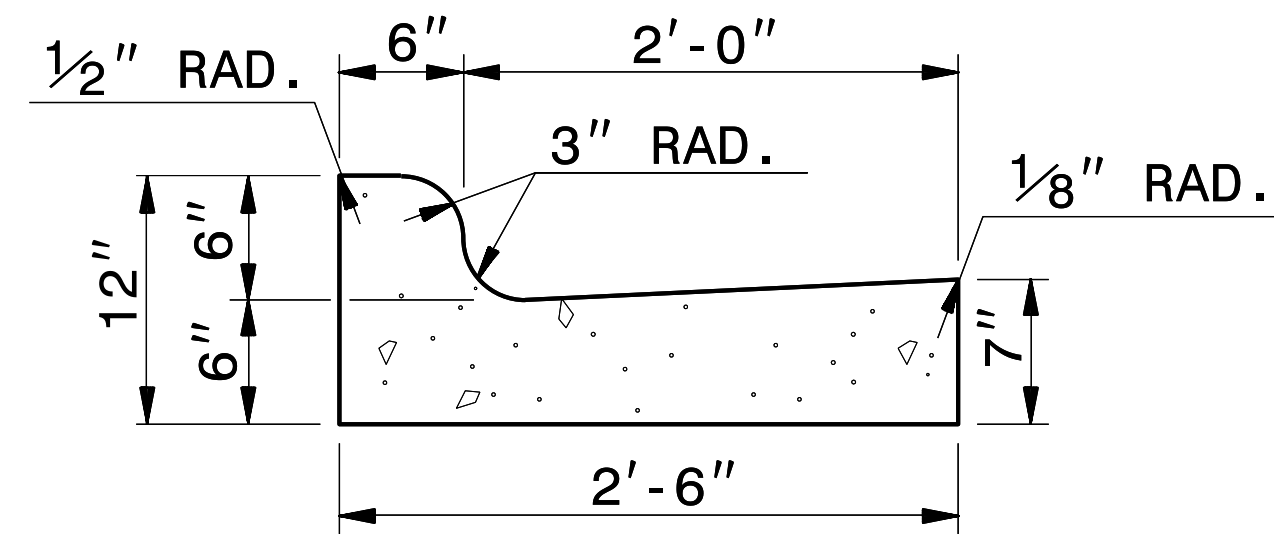
CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

DETAIL OF 10' TRANSITION FROM 2'-6" CURB & GUTTER TO 4'-0" PAVED SHOULDER

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MODIFIED BY: rnbritt DATE: 04-13-2016
CHECKED BY: _____ DATE: _____
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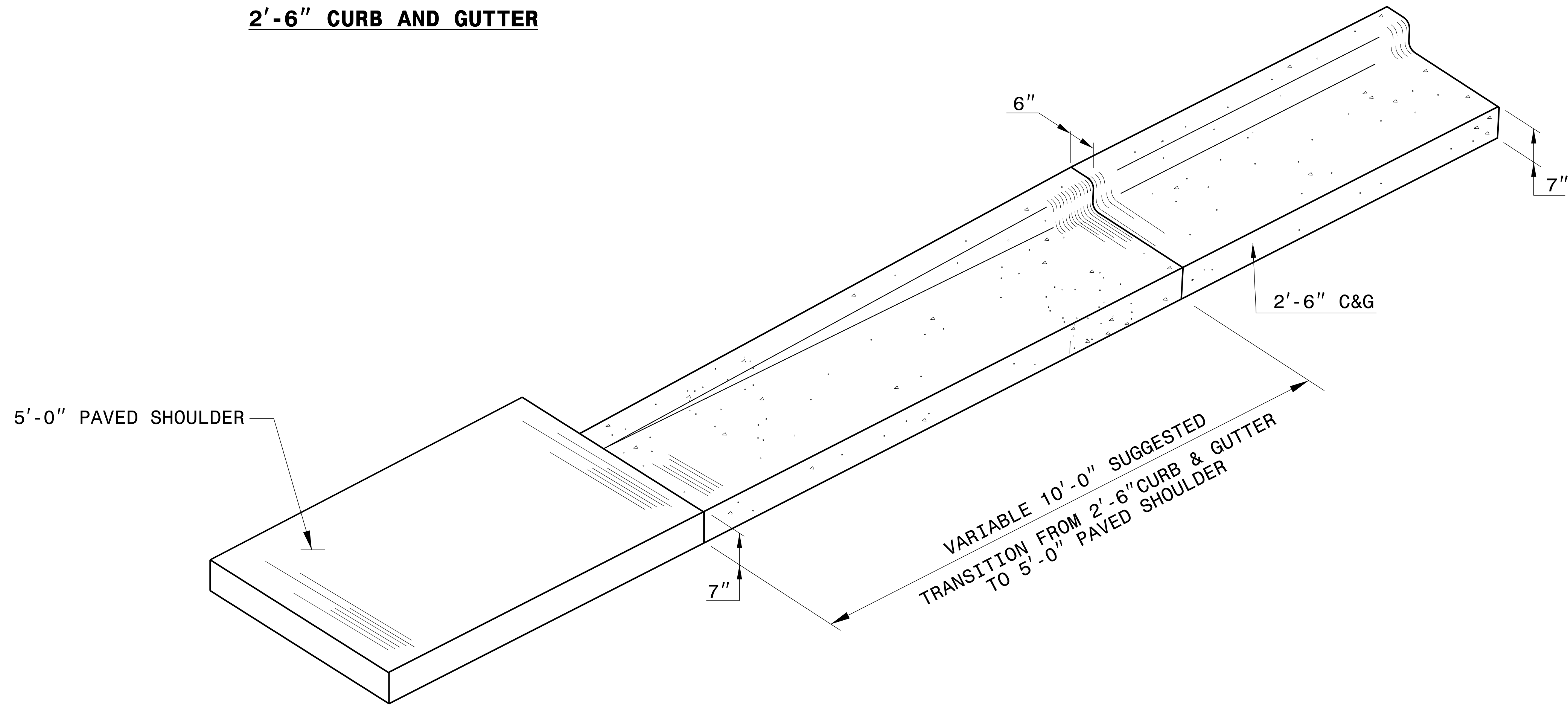
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5/14/99

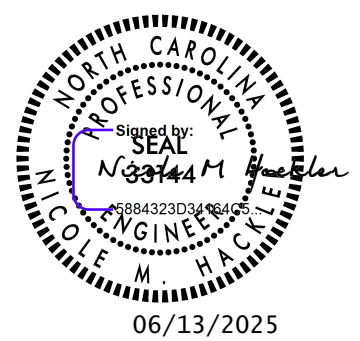


2'-6" CURB AND GUTTER

***NOTE: SEE STD. DWG. 846.01 FOR GENERAL NOTES**



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UNLESS ALL SIGNATURES COMPLETED

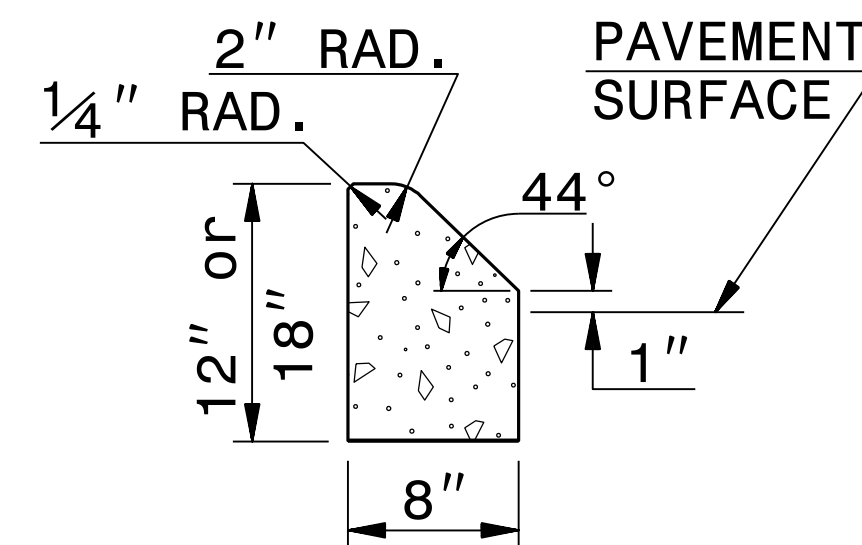
**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

**DETAIL OF 10' TRANSITION
FROM 2'-6" CURB & GUTTER
TO 5'-0" PAVED SHOULDER**

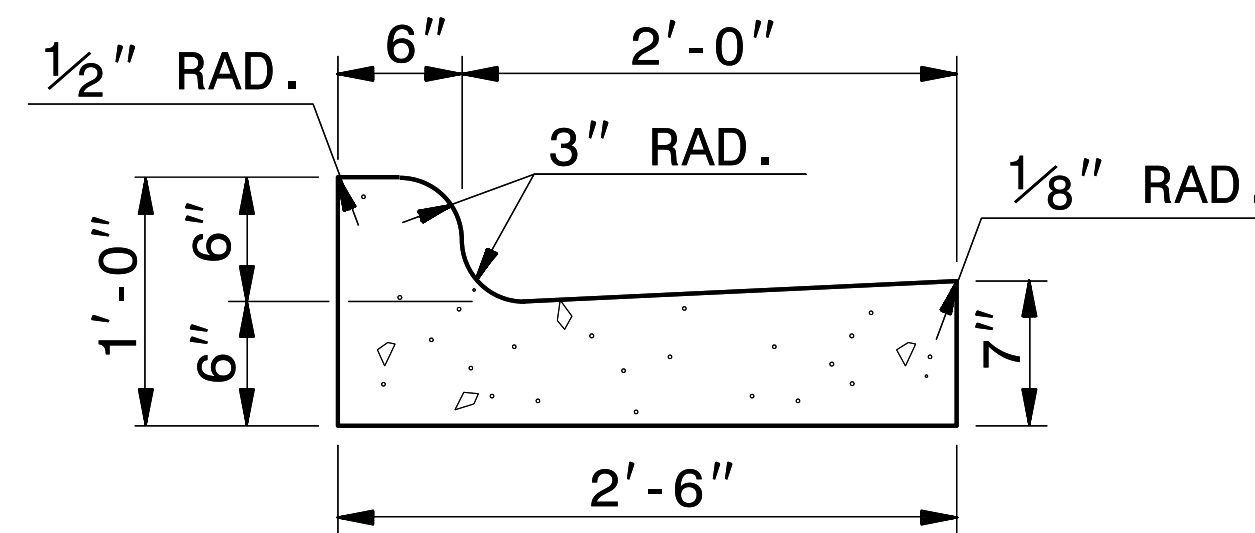
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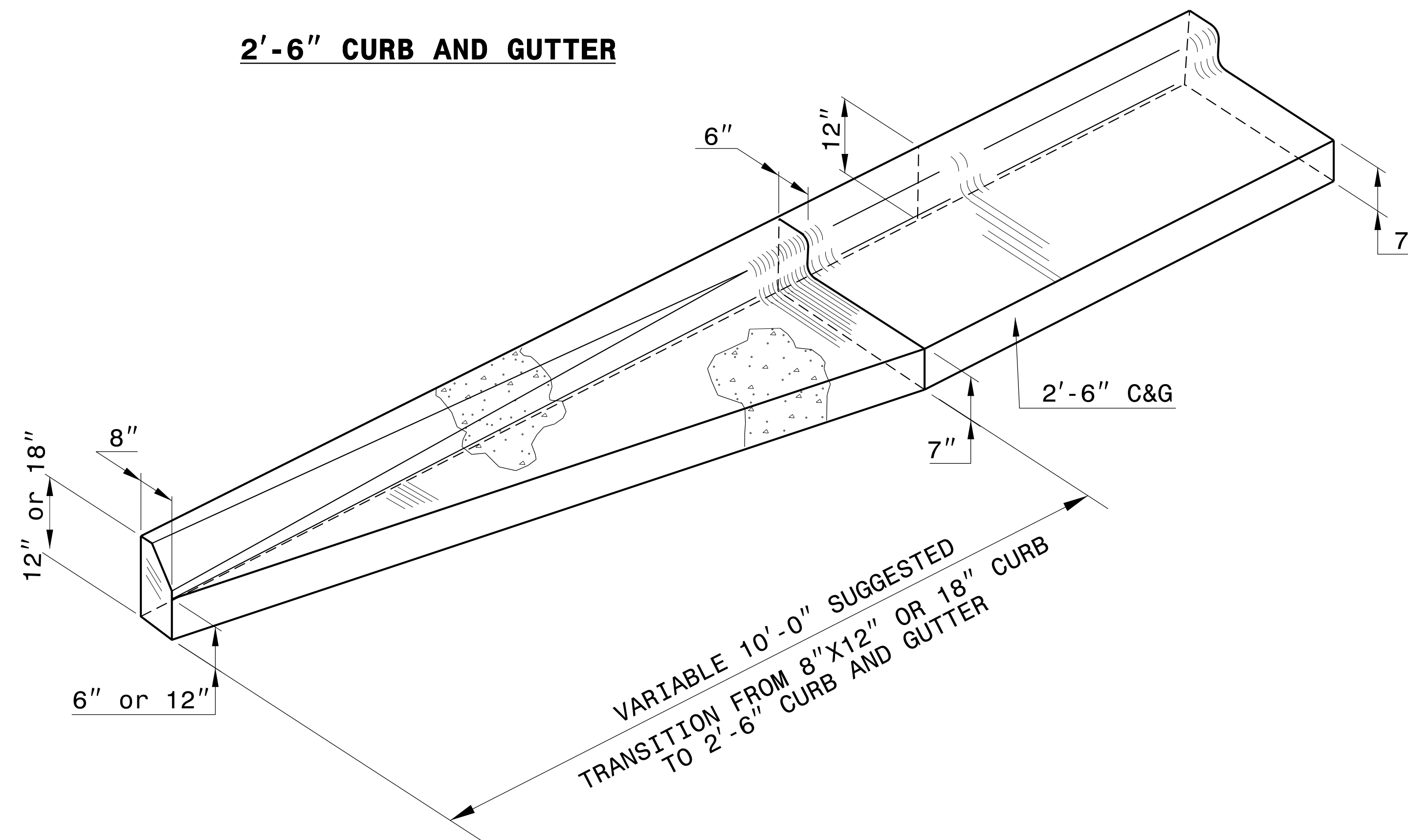
*NOTE: SEE STD. DWG. 846.01
FOR GENERAL NOTES



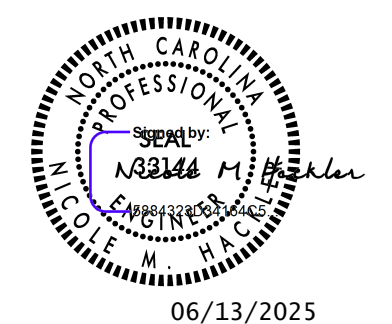
8" X 12" or 18" CONCRETE CURB



2'-6" CURB AND GUTTER

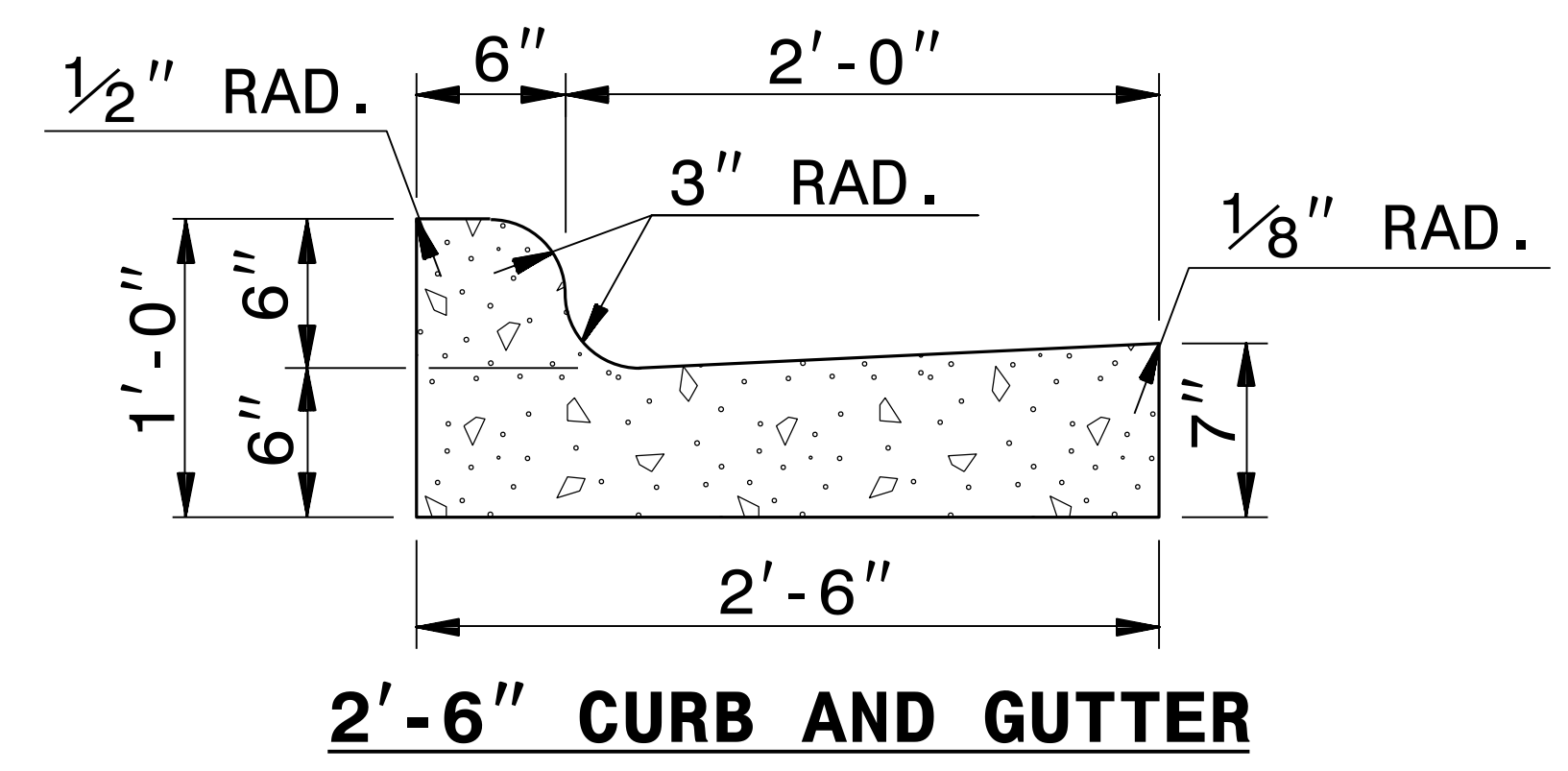


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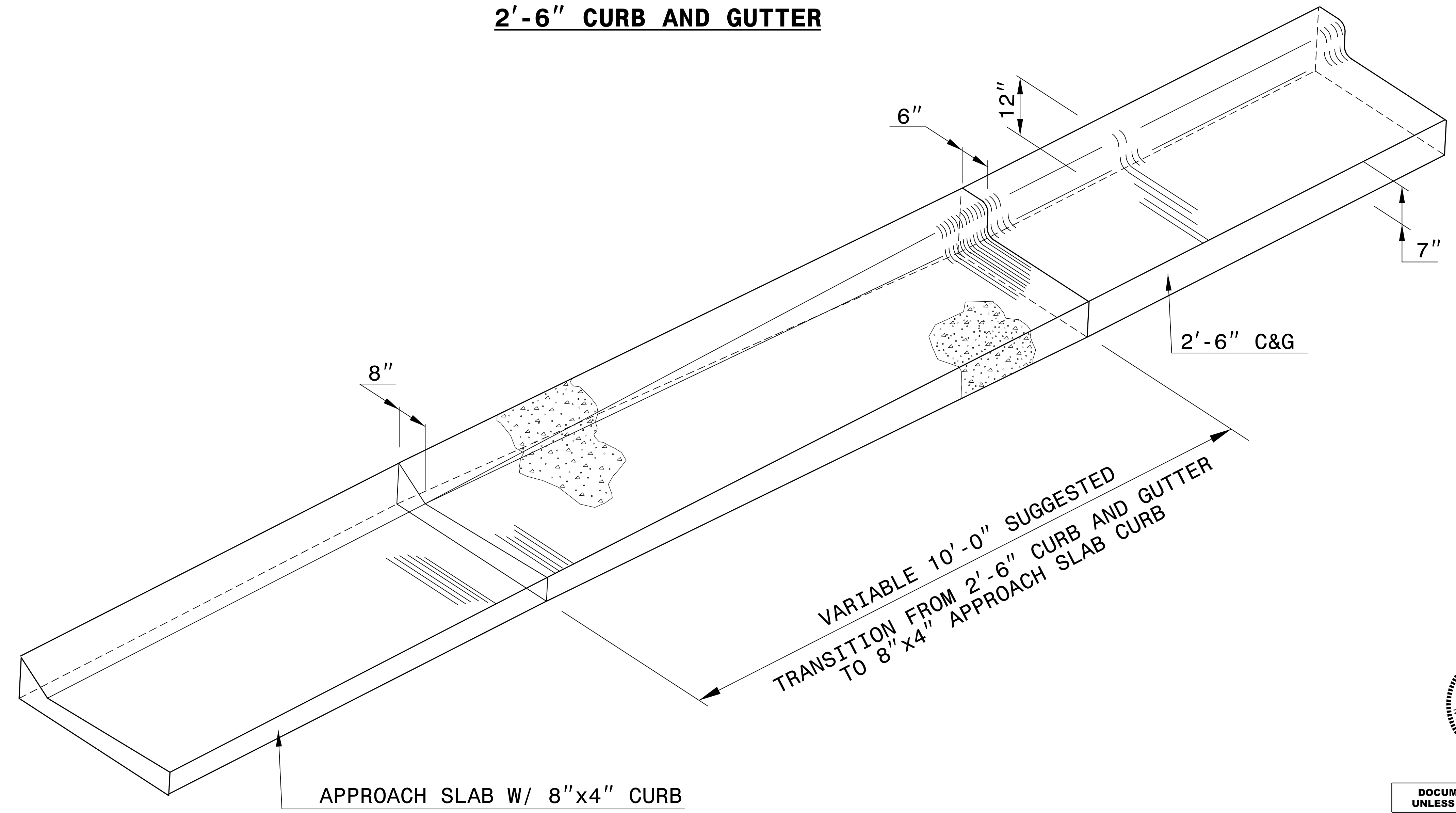


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
DETAIL OF 8" X 12" or 18" CURB TO 2'-6" CURB & GUTTER TRANSITION SECTION	
ORIGINAL BY: _____	DATE: _____
MODIFIED BY: K. KEMPF	DATE: 4-05-18
CHECKED BY: _____	DATE: _____
FILE SPEC.: details/ericward/usr/details/stand/cgtransit.dgn	



*NOTE: SEE STD. DWG. 846.01 FOR GENERAL NOTES



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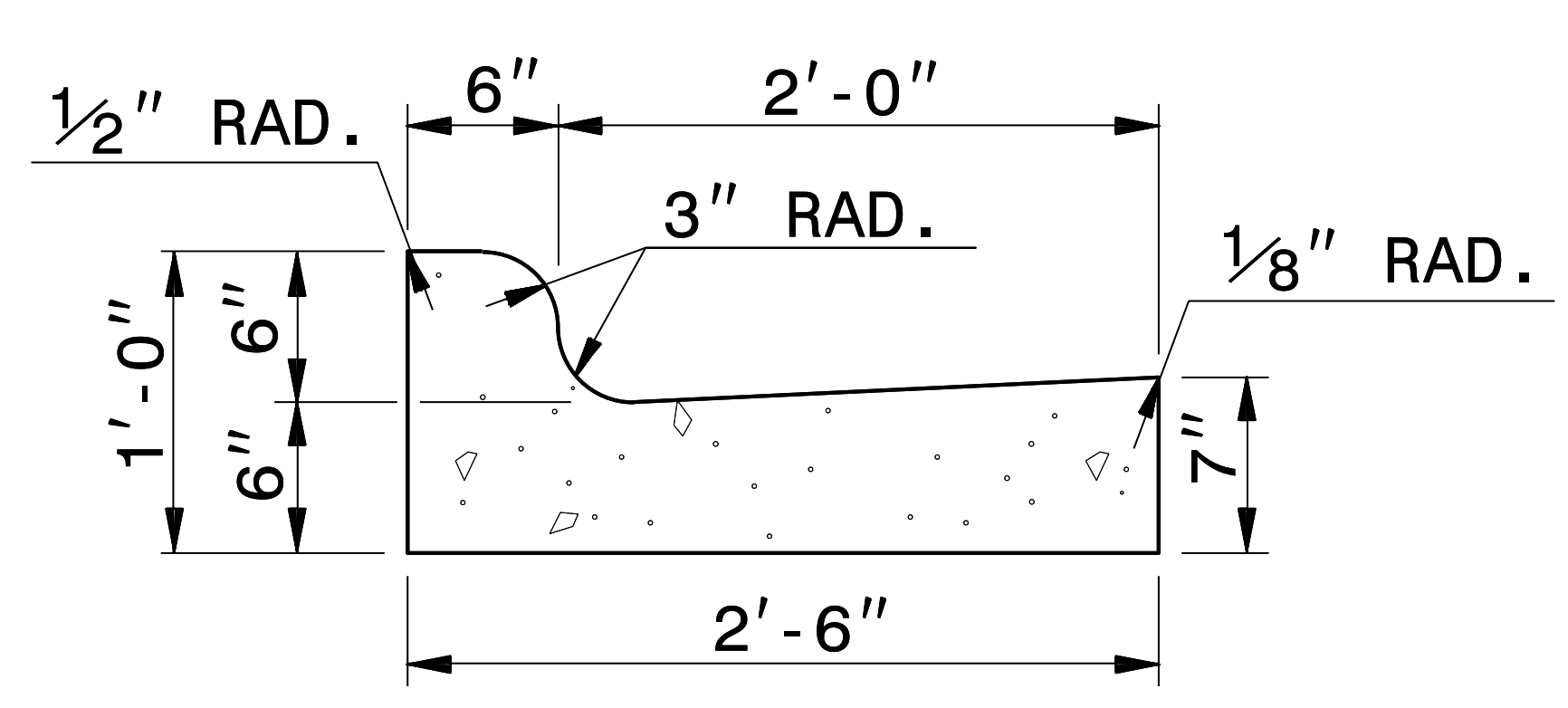


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

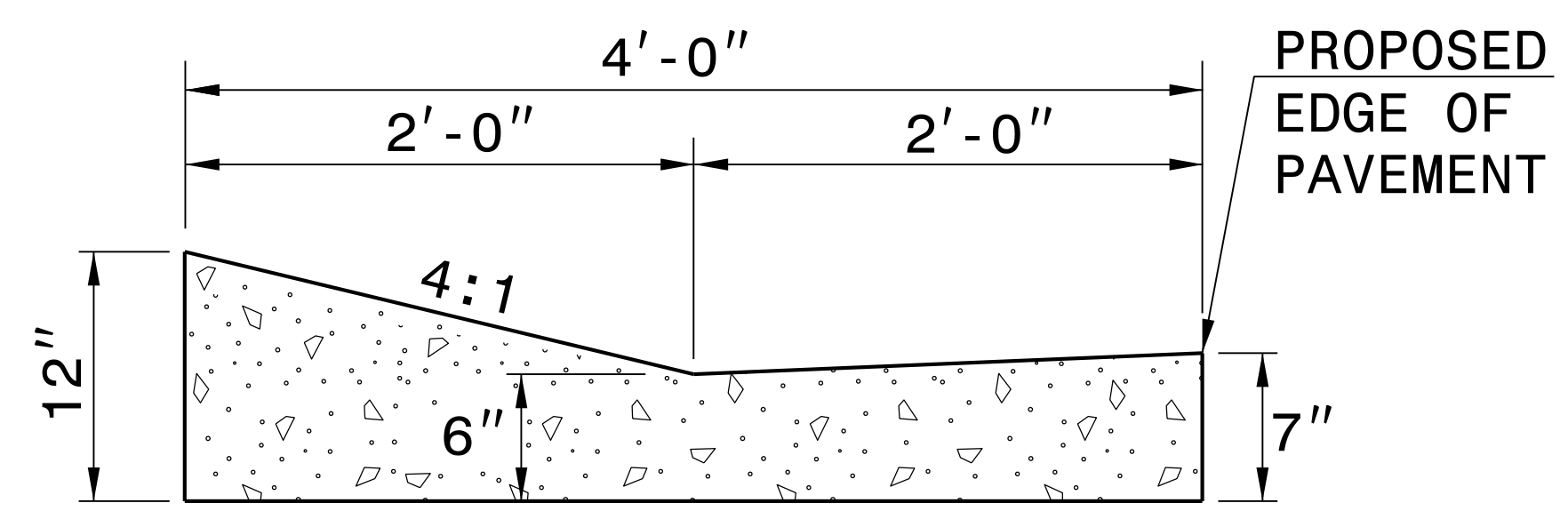
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950 FAX 919-250-4119	
DETAIL OF 2'-6" CURB & GUTTER TO 8" x 4" APPROACH SLAB CURB TRANSITION SECTION	
ORIGINAL BY: E.E. WARD	DATE: 5-29-02
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.: /usr/details/stand/cgtransit.dgn	

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5/14/99

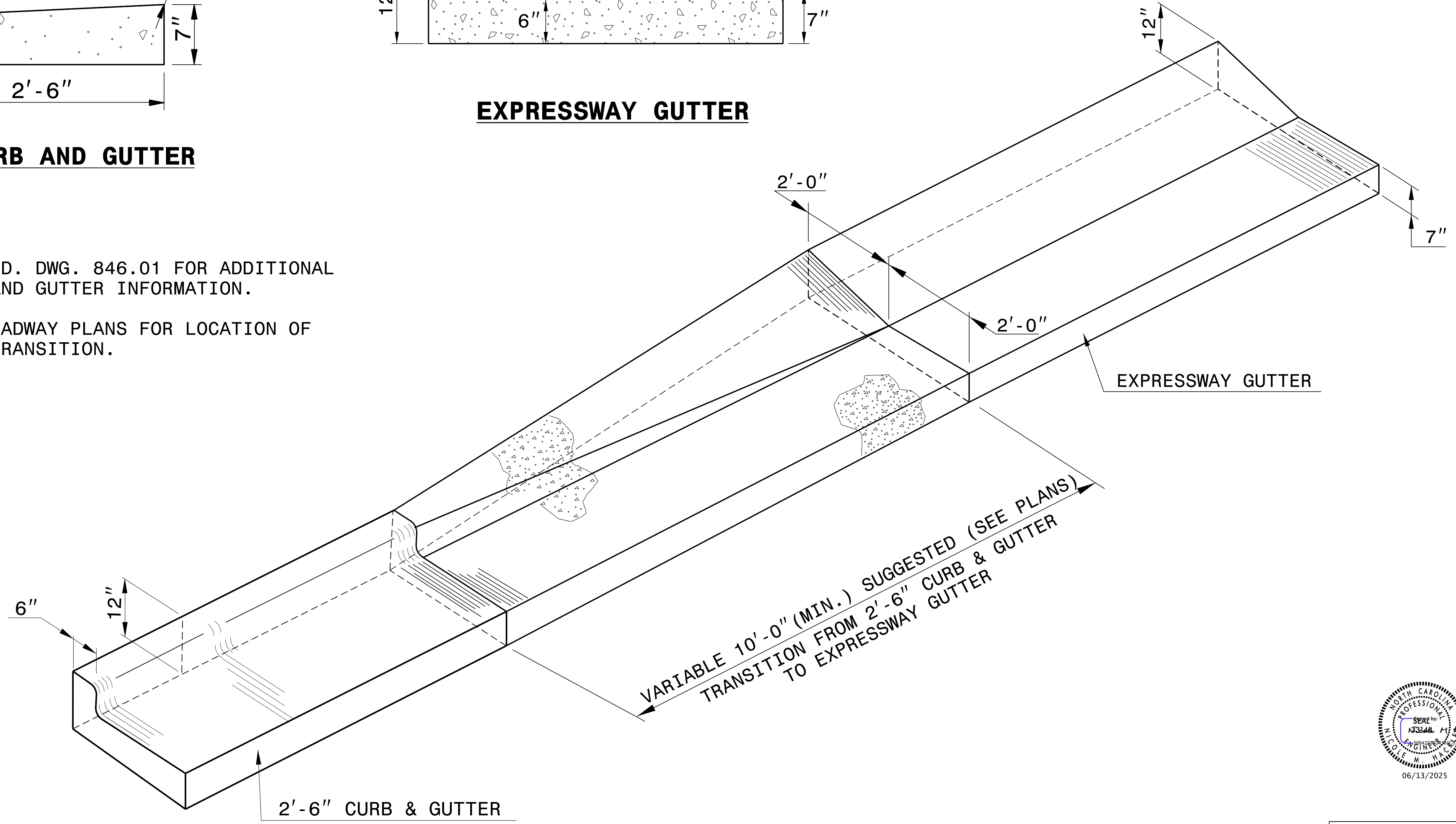


2'-6" CURB AND GUTTER

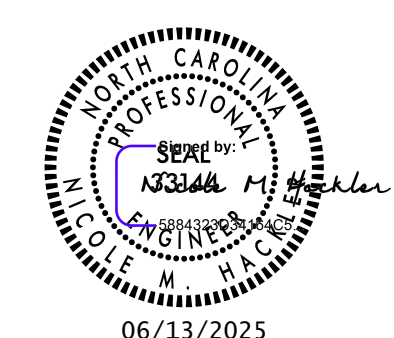


EXPRESSWAY GUTTER

NOTE: SEE STD. DWG. 846.01 FOR ADDITIONAL CURB AND GUTTER INFORMATION.
SEE ROADWAY PLANS FOR LOCATION OF CURB TRANSITION.



ISOMETRIC VIEW OF TRANSITION



06/13/2025

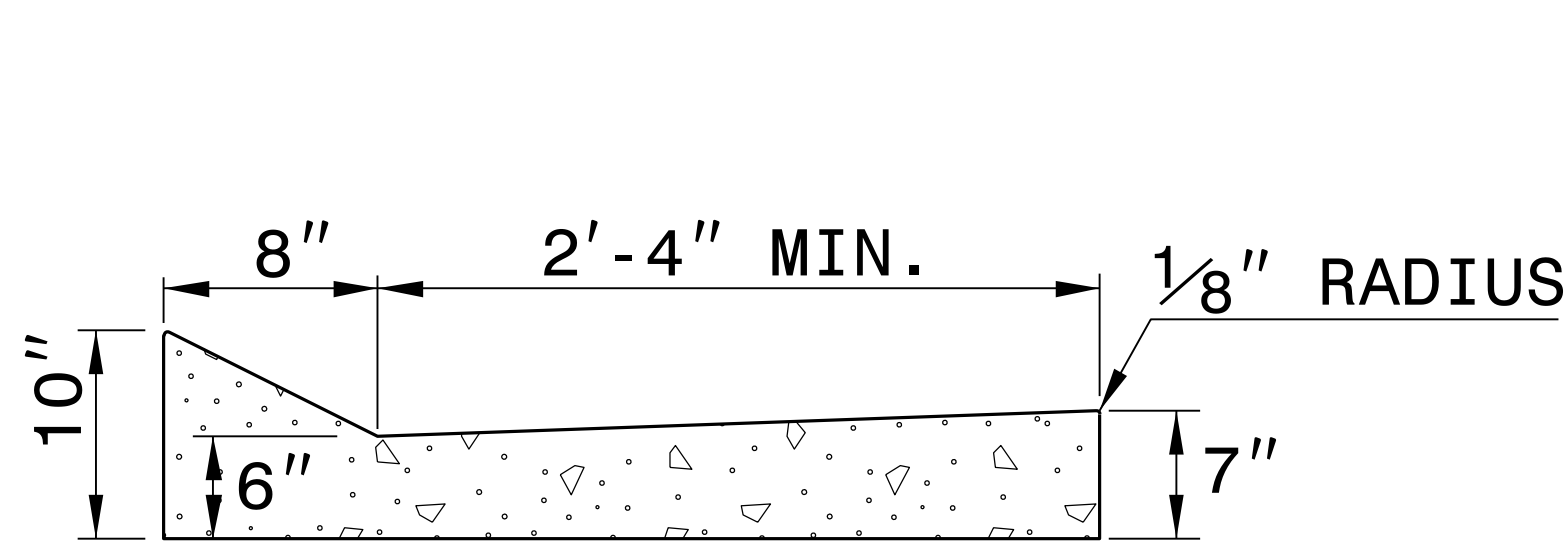
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119
DETAIL OF 2'-6" CURB & GUTTER TO EXPRESSWAY GUTTER TRANSITION SECTION

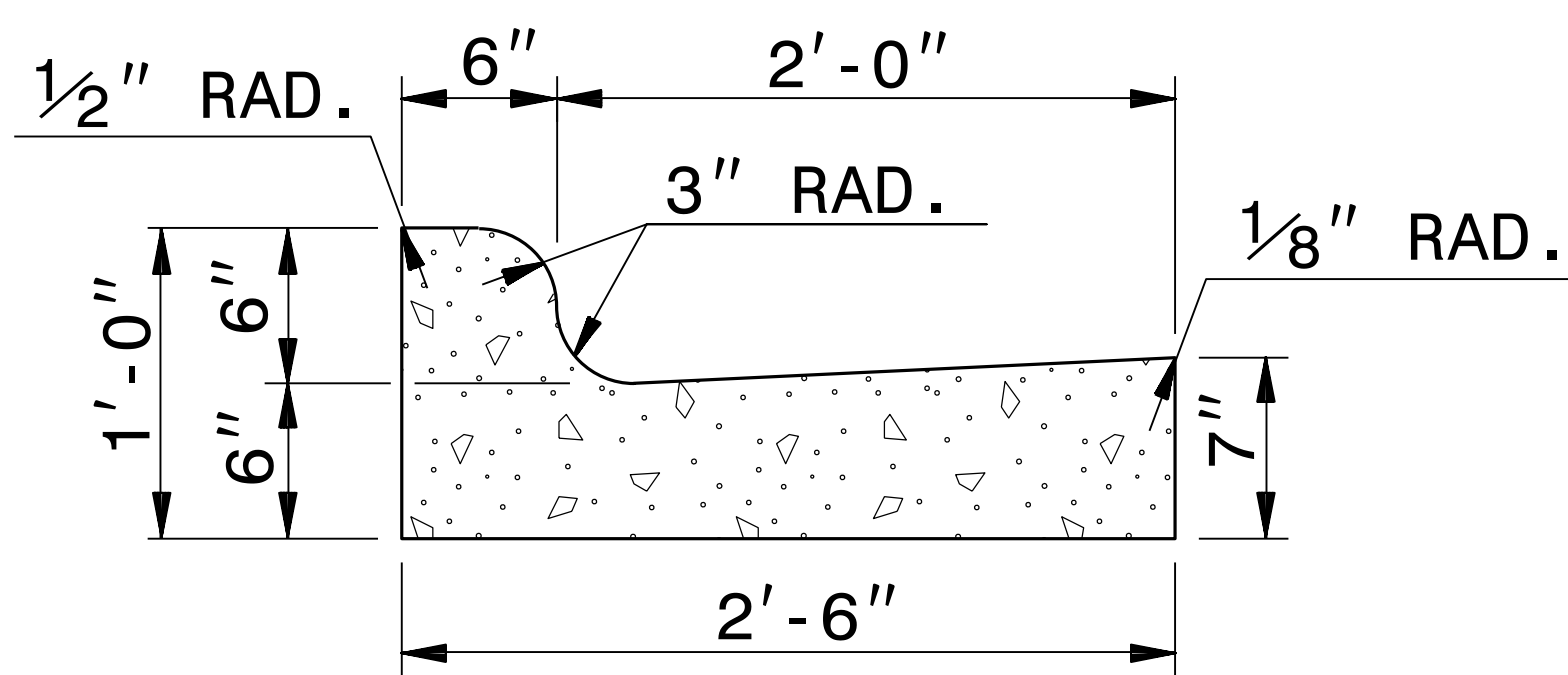
ORIGINAL BY: T.S. Spell DATE: 8-13-02
MODIFIED BY: DATE:
CHECKED BY: DATE:
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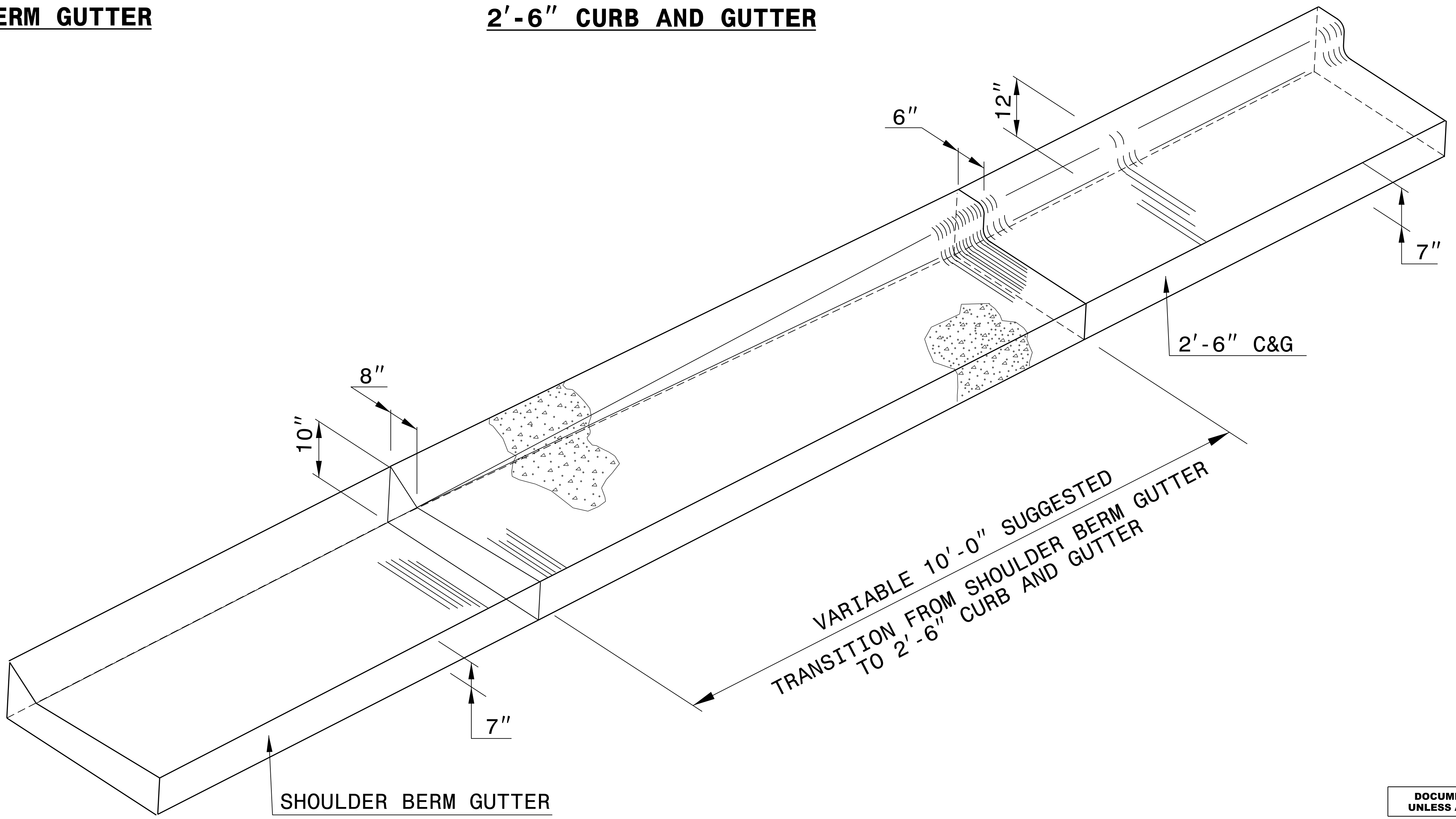


SHOULDER BERM GUTTER

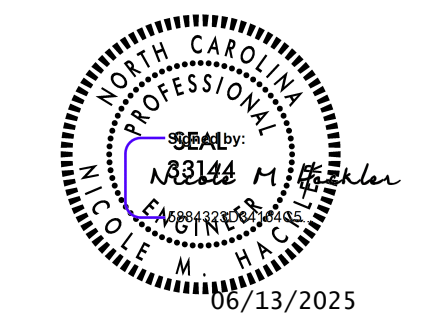


2'-6" CURB AND GUTTER

*NOTE: SEE STD. DWG. 846.01 FOR GENERAL NOTES



ISOMETRIC VIEW OF TRANSITION



DOCUMENT NOT CONSIDERED FINAL
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**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

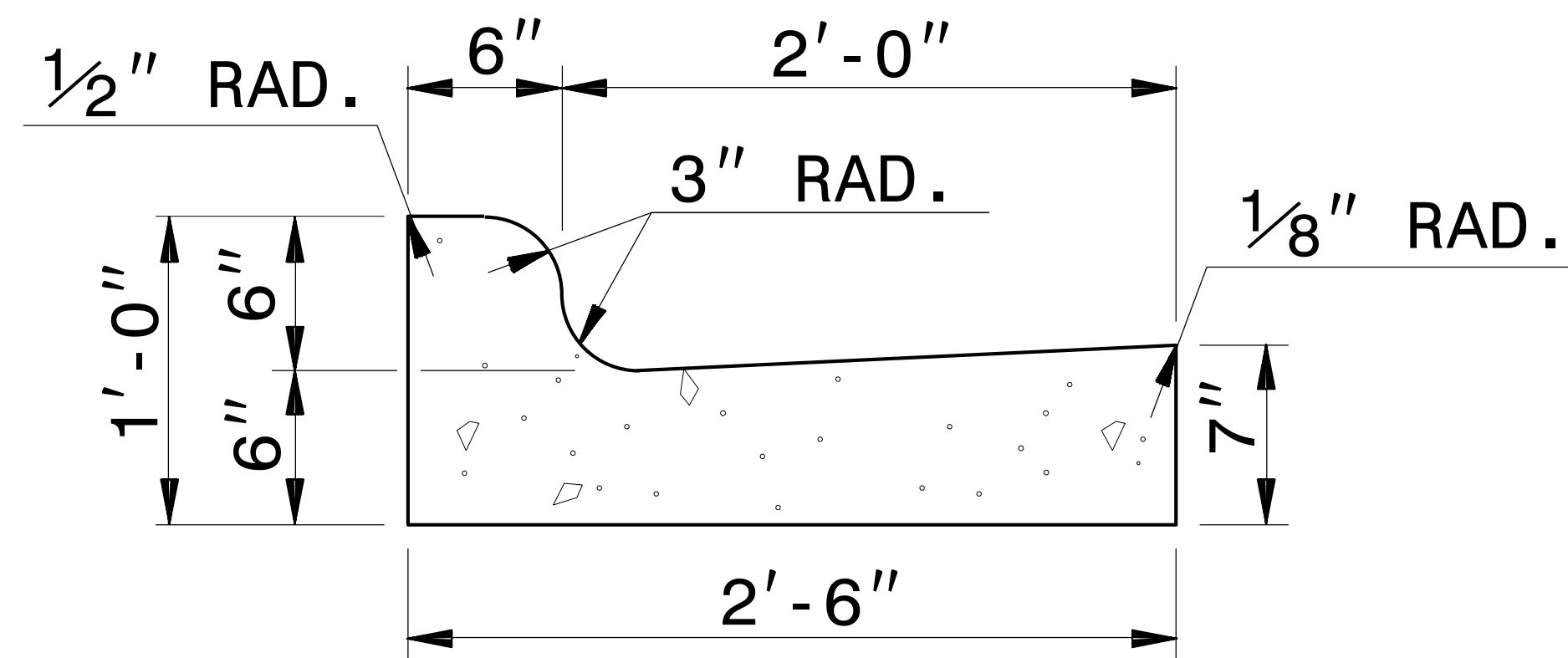
**DETAIL OF SHOULDER BERM GUTTER
TO 2'-6" CURB & GUTTER
TRANSITION SECTION**

ORIGINAL BY: E.E. WARD DATE: 5-29-02
 MODIFIED BY: DATE:
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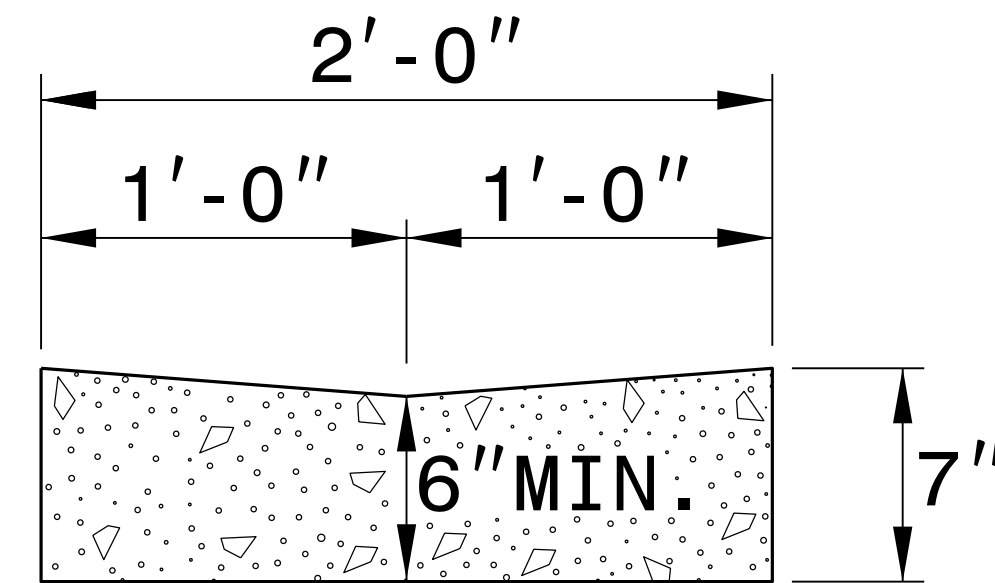
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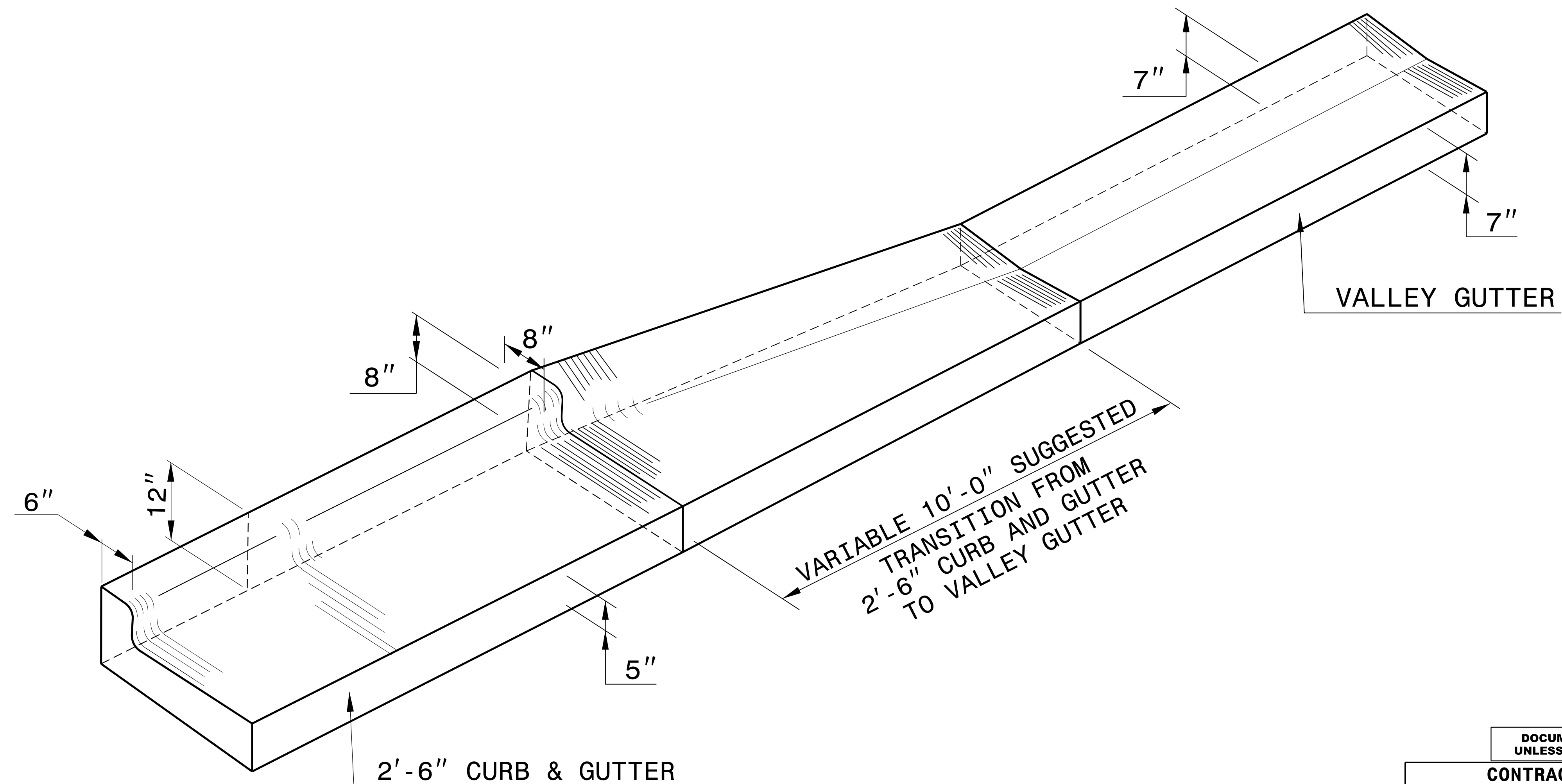
*NOTE: SEE STD. DWG. 846.01
FOR GENERAL NOTES



2'-6" CURB AND GUTTER



VALLEY GUTTER



ISOMETRIC VIEW OF TRANSITION

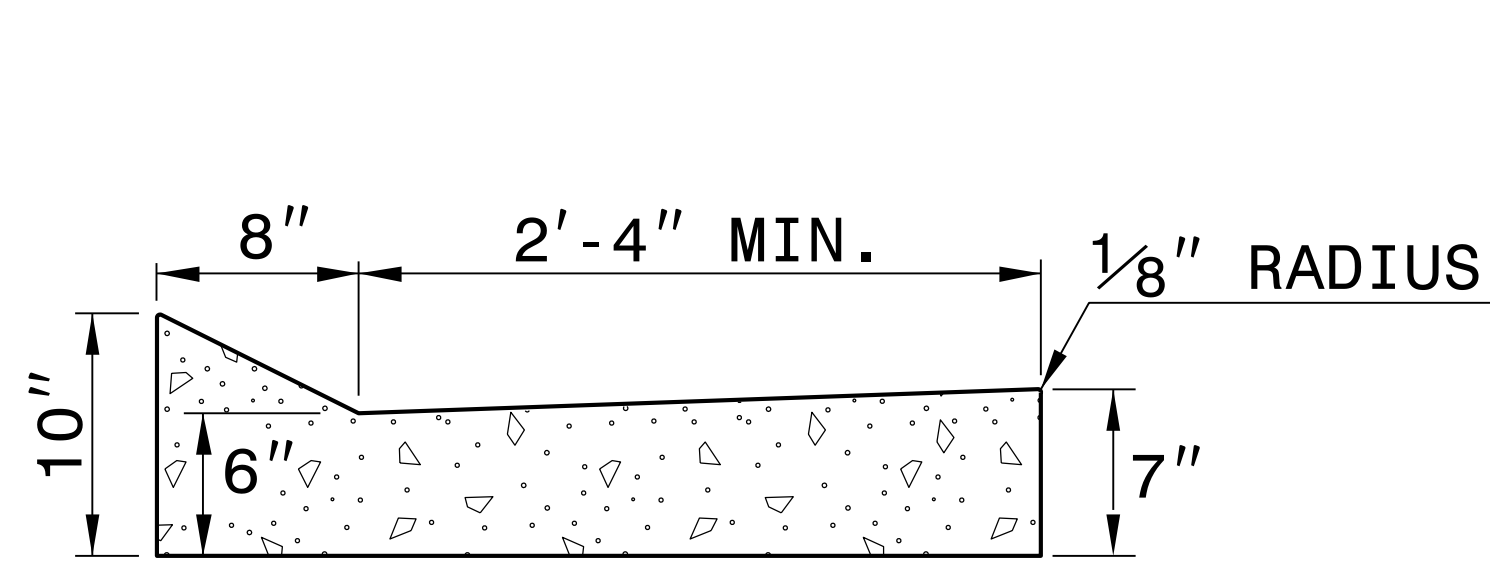


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

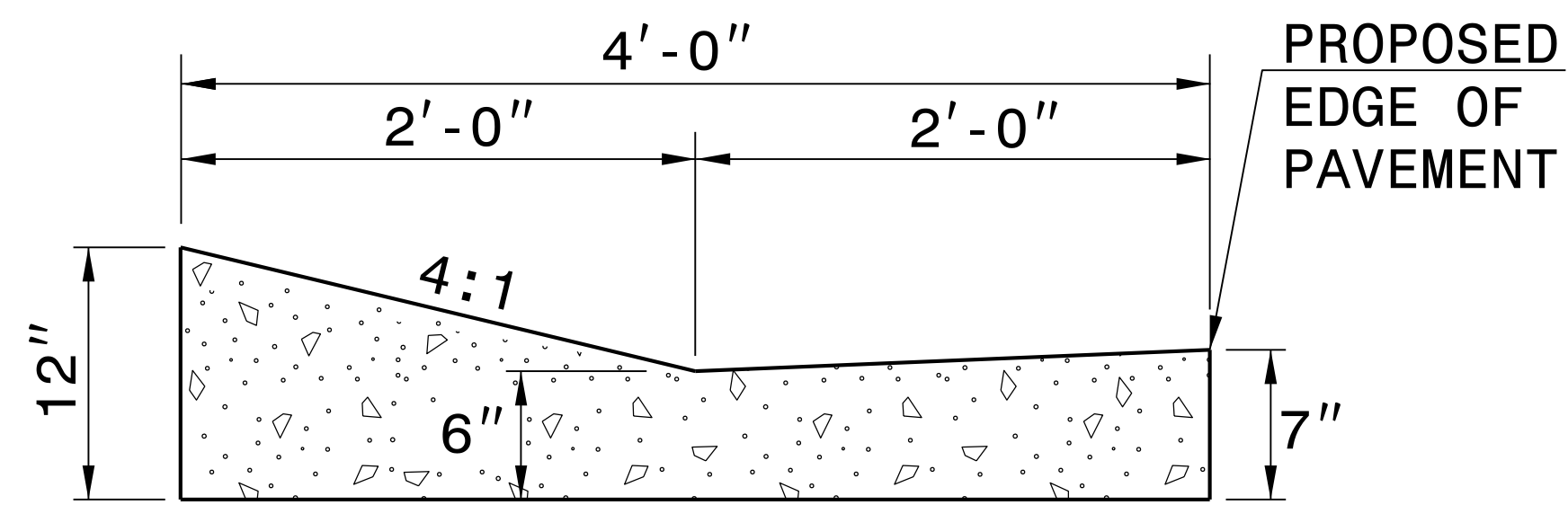
CONTRACT STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

**TRANSITION FROM
2'-6" CURB AND GUTTER
TO VALLEY GUTTER**

ORIGINAL BY: T.S. SPELL DATE: FEB. 4, 2009
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: w:\usr\details\stand\cgtransit.dgn



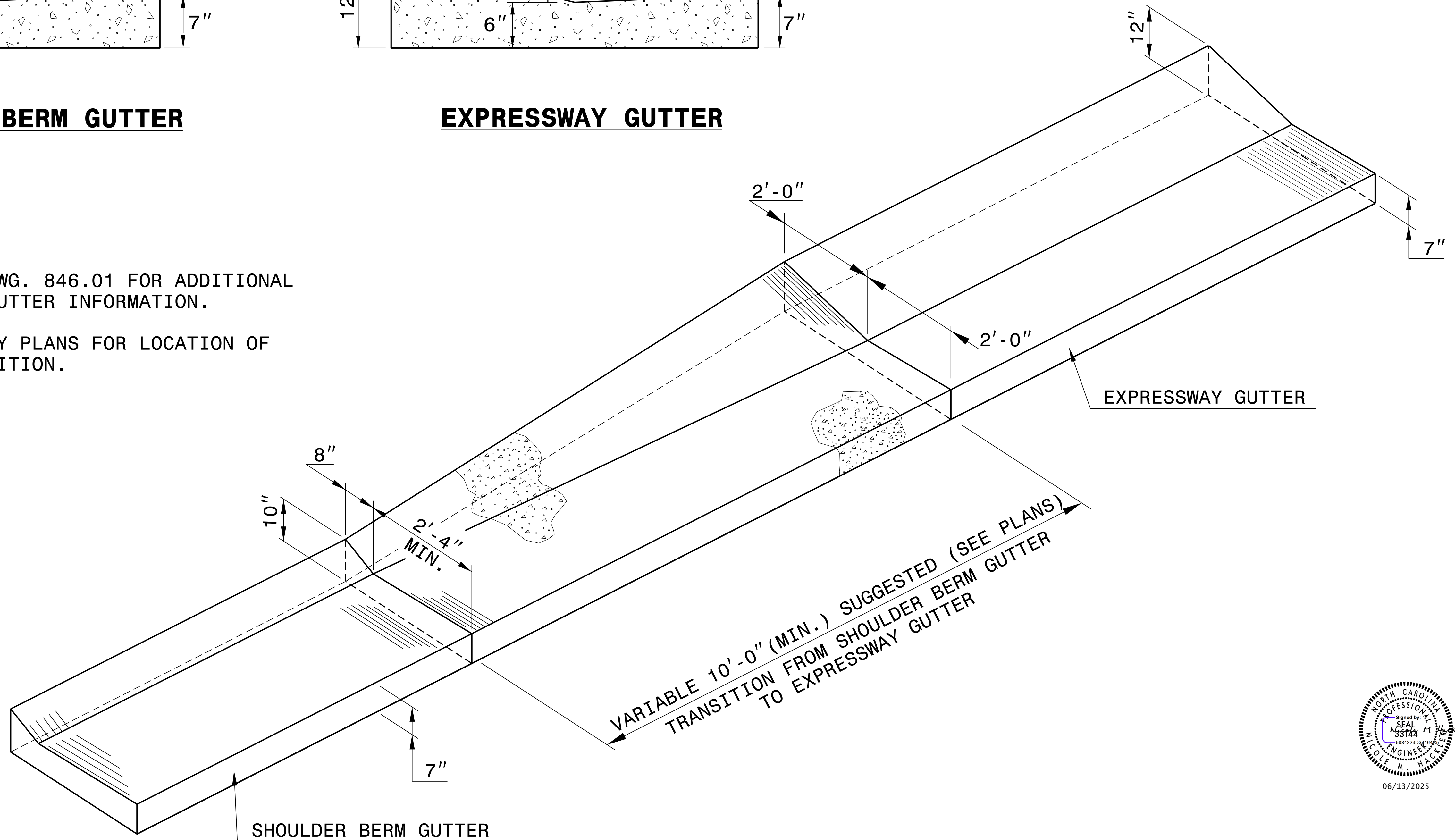
SHOULDER BERM GUTTER



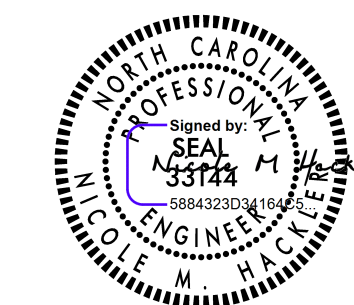
EXPRESSWAY GUTTER

NOTE: SEE STD. DWG. 846.01 FOR ADDITIONAL CURB AND GUTTER INFORMATION.

SEE ROADWAY PLANS FOR LOCATION OF CURB TRANSITION.



ISOMETRIC VIEW OF TRANSITION



06/13/2025

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DETAIL OF SHOULDER BERM GUTTER TO EXPRESSWAY GUTTER TRANSITION SECTION

ORIGINAL BY: T.S.Spell DATE: 8-13-02
 MODIFIED BY: DATE:
 CHECKED BY: DATE:
 FILE SPEC.: w:usr/details/stand/cgtransit.dgn

04-JUN-2019 10:25
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