



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

January 11, 2013

To Prospective Bidders:

Subject: Addendum 2 for: US-70 Sidewalk Gap Project

CONTRACT No: DM00055
TIP: ER-2971
FA: 000S-424
WBS: 3613.3.07
COUNTY: Buncombe
ROUTE: US-70

This letter is to advise all prospective bidders of the following contract addendum.

- The Retaining Wall Detail for the subject project states that Redi-Rock block is to be used for construction of the gravity retaining wall. This wording has been removed from the Retaining Wall Detail. Upon award of contract the contractor shall submit documentation as to the type of precast block and manufacturers installation methods to NCDOT for review and approval/rejection based on the revised special detail. Please note this change when bidding this project.

This addendum is considered a part of the contract bid document and shall be returned with the bid proposal. Proposals submitted without this addendum shall be considered irregular and will not be considered for award.

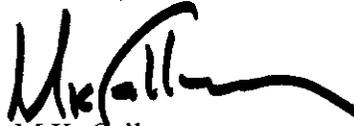
Division Thirteen Office
Phone: 828/251-6171

Post Office Box 3279
Office of the Division Engineer
www.ncdot.gov/doh/operations/division13

Asheville, NC 28802
Fax: 828/251-6709

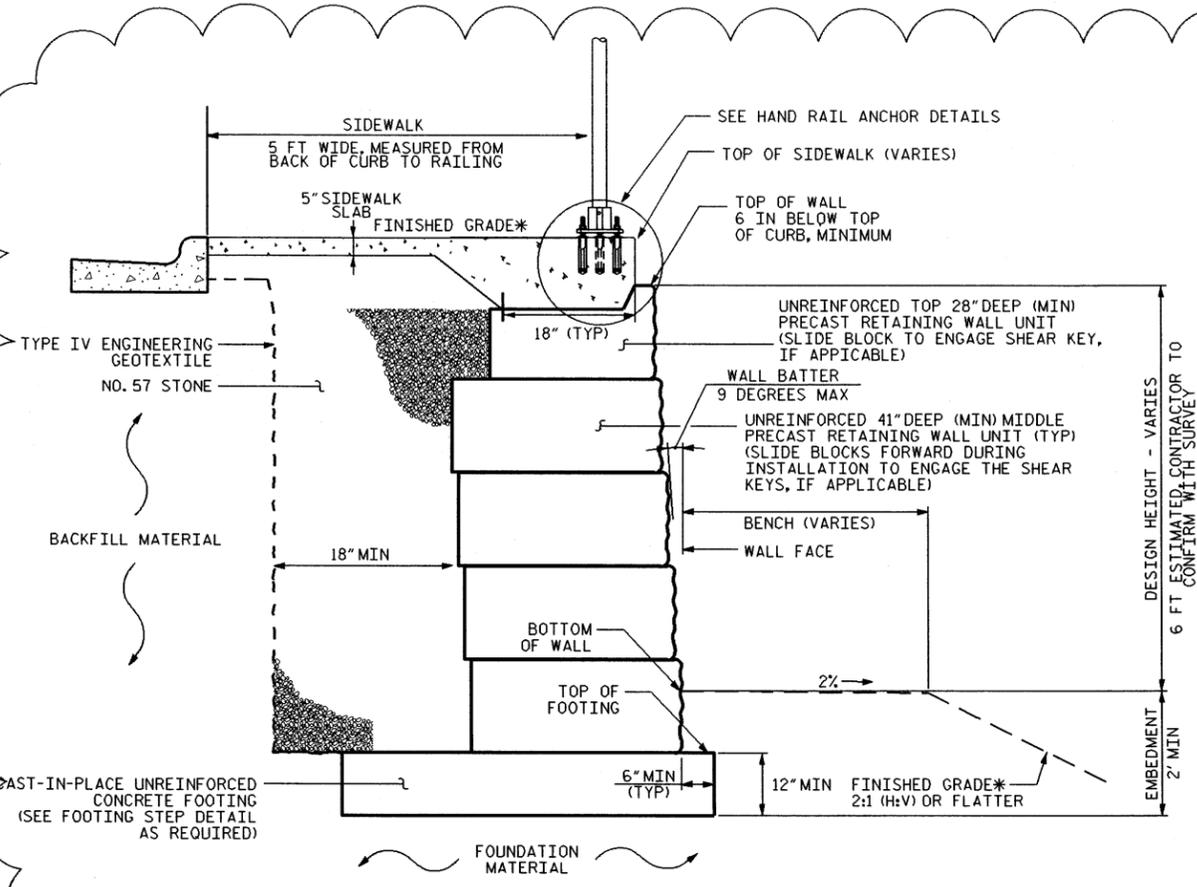
This addendum officially becomes a part of the contract bid document. If this office can provide additional information, please feel free to contact me at (828) 251-6171.

Sincerely,

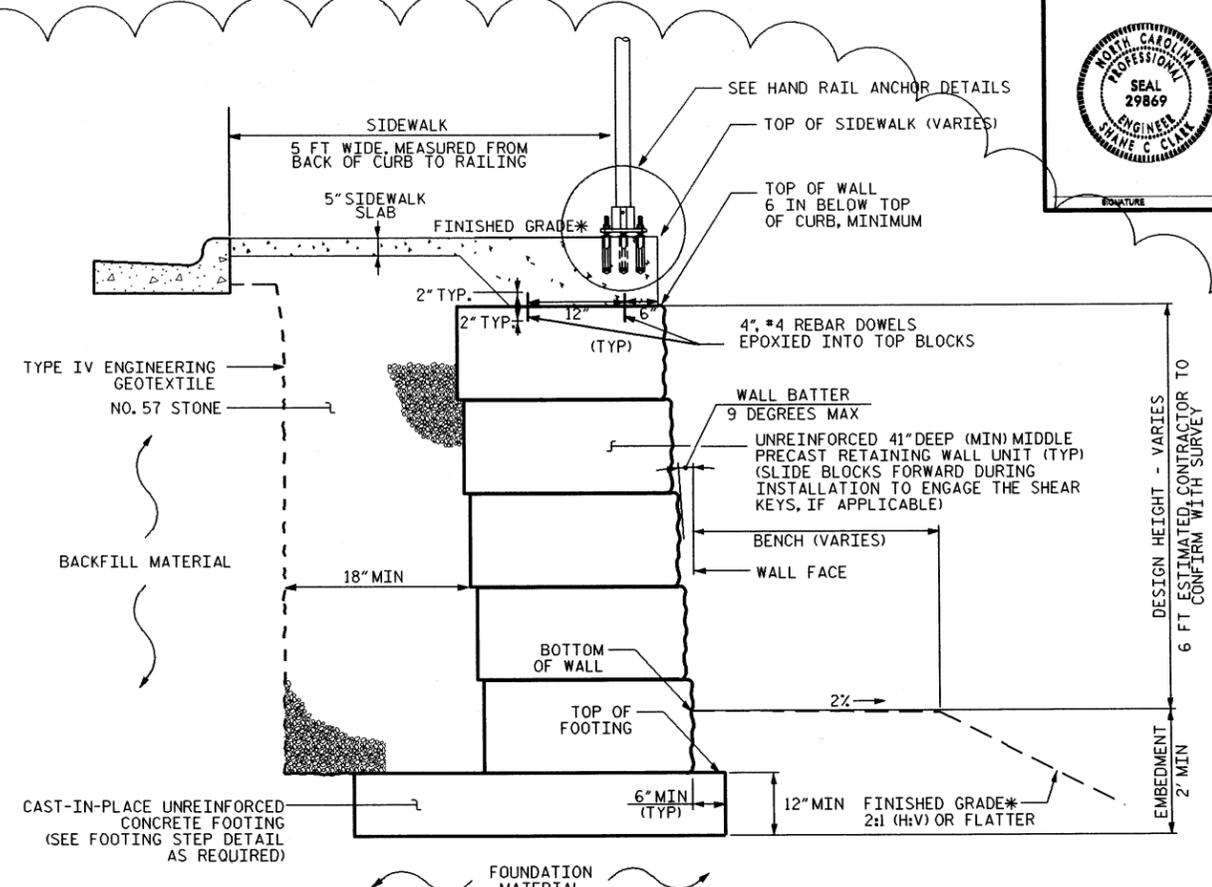
A handwritten signature in black ink, appearing to read 'M.K. Calloway', with a long horizontal flourish extending to the right.

M.K. Calloway
Division Project Manager

Cc: Mr. J.J. Swain, Jr., P.E., Division Engineer
Mr. E.A. Green, P.E., Division Maintenance Engineer
Mr. C.E. Bandy, P.E., District Engineer



PRECAST GRAVITY WALL WITH PRECAST TOP UNIT AND CAST-IN-PLACE SIDEWALK - TYPICAL SECTION



PRECAST GRAVITY WALL WITH SIDEWALK CAST-IN-PLACE ALONG TOP OF WALL - TYPICAL SECTION

NOTES:

THE WALL WILL BE PAID FOR BASED ON THE FINAL EXPOSED FACE AS MEASURED FROM THE FINISHED GRADE IN FRONT (STREAM SIDE) TO THE TOP OF THE WALL. NO ADDITIONAL PAYMENT WILL BE MADE FOR EMBEDDED PORTIONS. PAYMENT WILL INCLUDE ALL MATERIALS, EXCAVATION, BACKFILL, BLOCKS, INSTALLATION, CONCRETE FOR FOOTINGS, DOWELS, GEOTEXTILES AND ANY INCIDENTALS REQUIRED TO PERFORM THE WORK.

USE PRECAST RETAINING WALL UNITS WITH A COBBLESTONE FACE FINISH. PROTECT BLOCKS AS REQUIRED TO PREVENT DAMAGE. DAMAGED, CHIPPED, OR DISCOLORED BLOCKS MAY BE REJECTED BY THE ENGINEER AND REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

THE WALL WILL BE CONSTRUCTED USING PRECAST BLOCKS AS SHOWN IN THE DETAILS. THE BLOCKS ARE TO BE LAID IN A RUNNING BOND PATTERN AND ALL EXPOSED END EDGES OF THE WALL ARE TO BE FINISHED WITH THE CORRESPONDING ENDBLOCKS.

ALTERNATE BLOCK SIZES MAY BE CONSIDERED, HOWEVER ADDITIONAL DESIGN DOCUMENTATION MAY BE REQUIRED. THE SYSTEM DESIGN SHOULD INCLUDE A TRAFFIC SURCHARGE OF 250 PSF AND BE CONSIDERED STABLE ACCORDING TO THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

A CAST-IN-PLACE SIDEWALK IS TO BE PLACED ON TOP OF THE WALL AS SHOWN IN THE DETAILS. THE SIDEWALK EDGE THICKNESS, ALONG THE TOP OF THE WALL, WILL VARY ALONG WITH THE GRADE AND IS TO BE CAST SUCH THAT THE TOP OF THE SIDEWALK (WALL EDGE) IS LEVEL WITH THE TOP OF THE BACK OF CURB.

A HANDRAIL IS REQUIRED ON TOP OF RETAINING WALL. SEE SHEETS 2 OF 3 AND 3 OF 3 FOR CONSTRUCTION AND ATTACHMENT DETAILS. THE HANDRAIL WILL BE PAID FOR "PER LINEAR FOOT" AND THE BID AMOUNT WILL BE INCLUSIVE OF ALL RAILING COMPONENTS AND THEIR INSTALLATION.

BEFORE BEGINNING PRECAST GRAVITY WALL, SURVEY WALL LOCATION AND SUBMIT A PROPOSED WALL PROFILE VIEW (WALL ENVELOPE) FOR REVIEW. THE ENVELOPE SHOULD SHOW THE TOP FINISHED GRADE OF THE SIDEWALK IN THE WALL ENVELOPE. DO NOT START WALL DESIGN OR CONSTRUCTION UNTIL THE REVISED WALL ENVELOPE IS ACCEPTED.

THE MINIMUM EMBEDMENT ELEVATION FOR RETAINING WALL INCLUDES EMBEDMENT FOR SCOUR.

DO NOT PLACE CONCRETE FOR FOOTINGS FOR RETAINING WALL UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIAL ARE APPROVED.

WRAP FILL SLOPES AROUND WALL ENDS AS DIRECTED BY THE ENGINEER.

TOTAL STRUCTURE QUANTITIES

PRECAST RETAINING WALL	720	SQ. FT.
HANDRAIL	120	LN. FT.

1

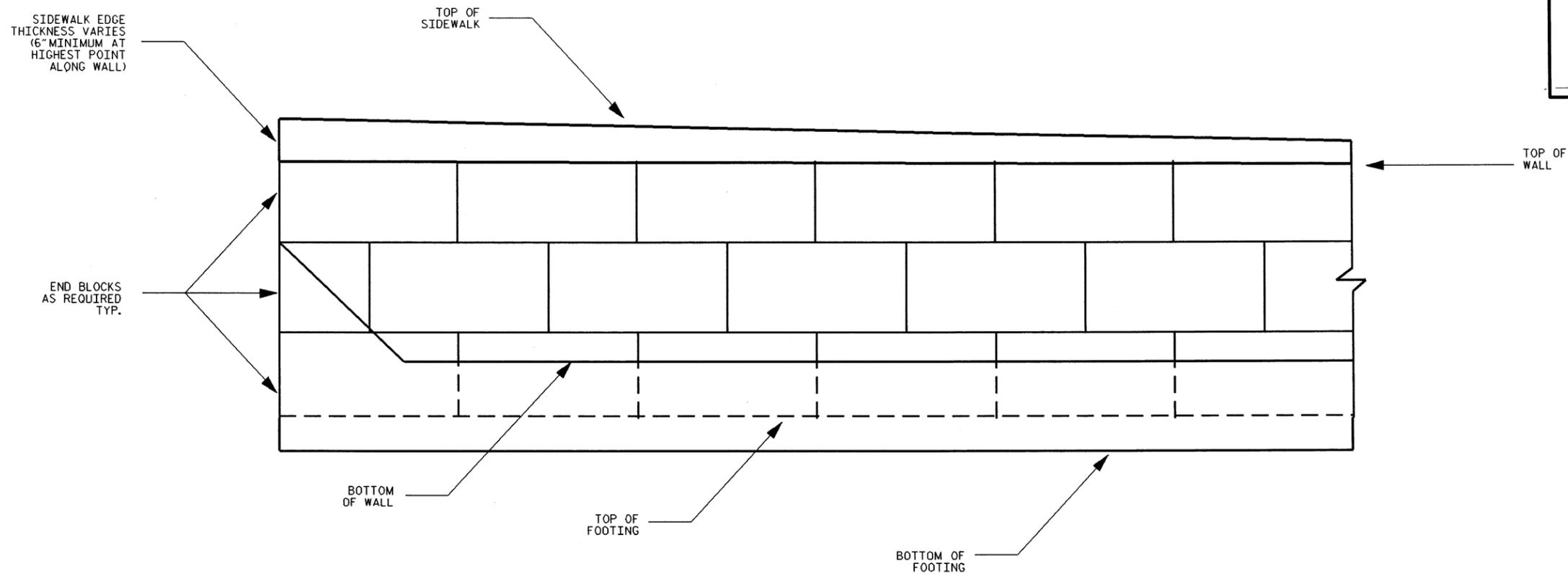
PROJECT NO.: ER-2791 (WBS 3613.3.07)
BUNCOMBE COUNTY
STATION: VARIES
 SHEET 1 OF 3

GEOTECHNICAL ENGINEERING UNIT
 EASTERN REGIONAL OFFICE
 WESTERN REGIONAL OFFICE
 CONTRACT OFFICE
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

PRECAST GRAVITY RETAINING WALL WITH CAST-IN-PLACE SIDEWALK AND HANDRAIL

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	TOTAL SHEETS
1	SCC	1-11-13	3			
2			4			

GEOTECHNICAL ENGINEER  SIGNATURE _____ DATE _____	ENGINEER SIGNATURE _____ DATE _____
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ELEVATION VIEW OF WALL
(LOOKING FROM STREAM SIDE)

CONSTRUCTION SEQUENCE:

PRIOR TO BEGINNING WORK ON THE WALL AND AFTER THE WALL ENVELOPE HAS BEEN SUBMITTED, A PRECONSTRUCTION CONFERENCE BETWEEN THE CONTRACTOR, INSPECTORS AND ENGINEER WILL BE SCHEDULED

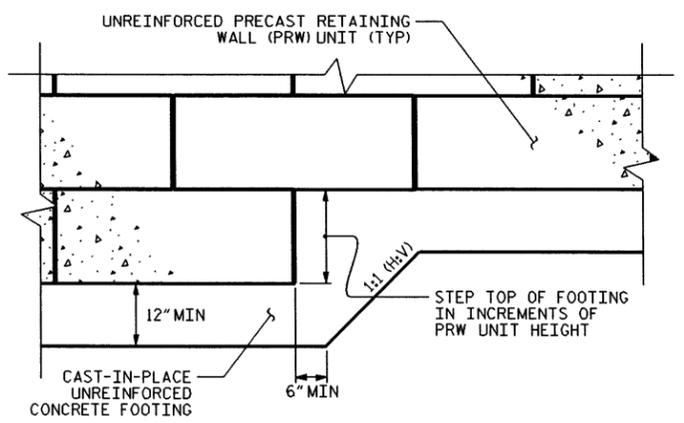
EXCAVATE TO BOTTOM OF FOOTING ELEVATION AS DETERMINED FROM THE FIELD SURVEY.

REMOVE ADDITIONAL SOIL, AS NEEDED TO AN APPROXIMATE 1:1 (H:V) SLOPE TO THE BACK OF CURB.

PLACE TYPE IV GEOTEXTILE, ACCORDING TO SECTION 1056 OF THE STANDARD SPECIFICATIONS, UP THE SLOPE AND SECURE AS NEEDED WITH PINS OR STAPLES.

AFTER FOOTING APPROVAL, PLACE CONCRETE SHOWN IN PLANS TO THE BOTTOM OF WALL ELEVATION.

CONSTRUCT THE RETAINING WALL ACCORDING TO THE PLANS, MANUFACTURER'S RECOMMENDATIONS, OR AS DIRECTED BY THE ENGINEER.



FOOTING STEP DETAIL

PROJECT NO.: ER-2791 (WBS 3613.3.07)
BUNCOMBE COUNTY
STATION: VARIES
 SHEET 2 OF 3

PREPARED BY: SCC DATE: 11/12
 REVIEWED BY: JTW DATE: 11/12

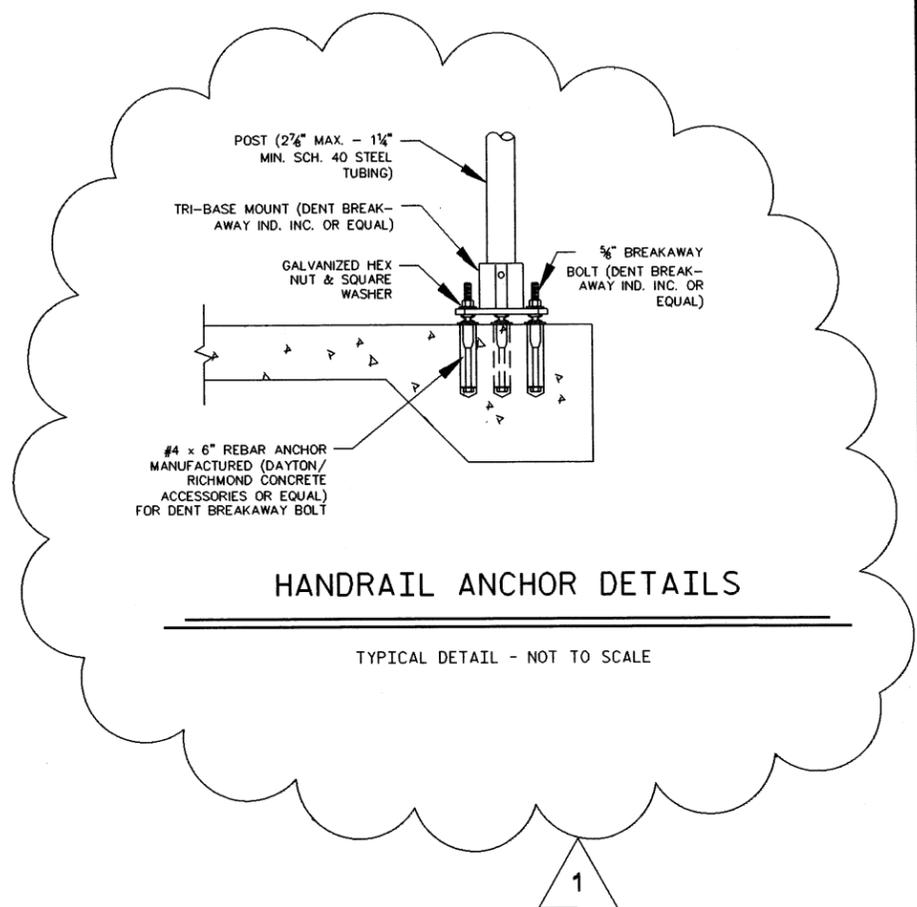
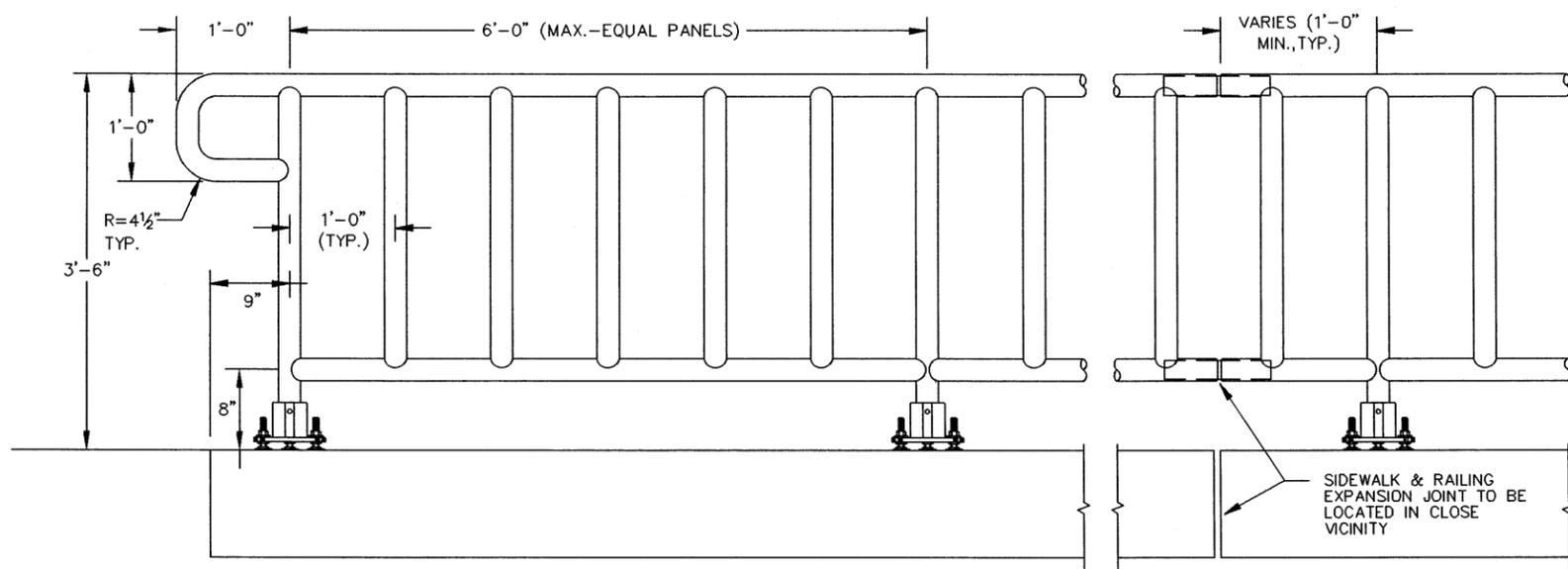
GEOTECHNICAL ENGINEERING UNIT

EASTERN REGIONAL OFFICE
 WESTERN REGIONAL OFFICE
 CONTRACT OFFICE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**PRECAST GRAVITY
RETAINING WALL WITH
CAST-IN-PLACE SIDEWALK
AND HANDRAIL**

REVISIONS						SHEET NO. TOTAL SHEETS
NO.	BY	DATE	NO.	BY	DATE	
1			3			2
2			4			



NOTES

DETAILS BASED ON CITY OF ASHEVILLE STANDARD DRAWING NO. 3.35

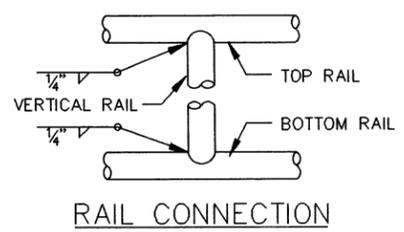
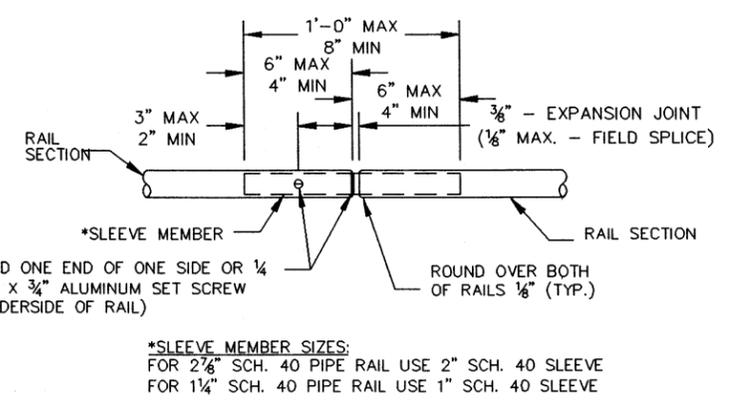
PIPE RAILING & POST: SCHEDULE 40 PLAIN END STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A53.

BASE PLATE; BASE PLATE SHALL BE IN ACCORDANCE WITH ASTM B209.

RESILIENT PADS OR NEOPRENE PADS: NEOPRENE PADS SHALL BE IN ACCORDANCE WITH DUROMETER HARDNESS 60 OR 70.

JOINTS: ALL FIXED JOINTS ARE TO BE EITHER WELDED ALL AROUND AND GROUND SMOOTH OR COMMERCIALY DESIGNED FIXED JOINT SYSTEMS (SOLDERED, BRAZED, FUSED, BONDED OR SHRINK FITTED).

WELDING: ALL WELDING BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE.



EXPANSON JOINT DETAILS

PROJECT NO.: ER-2791 (WBS 3613.3.07)
 BUNCOMBE COUNTY
 STATION: VARIES
 SHEET 3 OF 3

GEOTECHNICAL ENGINEERING UNIT

EASTERN REGIONAL OFFICE
 WESTERN REGIONAL OFFICE
 CONTRACT OFFICE

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	TOTAL SHEETS
1	SCC	1-11-13	3			
2			4			