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THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY" IS BASED ON A WALL HEIGHT MKASJRED FROM THE TOPO F WALL TO A CONSTANT DEPTH OF 2"-O" BELOW FINISHED GRADE.

DRAWINGS SHALL NOT BE SCALED.

THE QUANTITY OF CONCRETE MASONRY, COATED REINFORCING STEEL, AND RUBBENZED MEMBANER WATERPRODENDE OF THE CAST-IN-PLACE COPING IS INCIDENTAL TO BID ITEM "WALL MODILAR BLOCK GRAVITY".

DESIGN DATA

THE CONTRACTOR SALL PROVIDE COMETE TO ESCIAN LARGAS, DET RAIL STANDARD SHOP DEALWAYS. THE TANDARD SHOP DEALWAST FOR THE RETAINING WALL MANIFACTURES NALL PROVIDE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANIFACTURES STALL PROVIDE TENNISHED, ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION, THE COST OF TENNISHING THESE ITEMS SHALL BE NICLUDED IN THE BID TEM "WALL MODIL AR BLOCK GRAINTY".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE SELECTED. THE CONTROX-LENGTHS AND DETAILS COMMON TO ANY WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERFOR THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALLOMMENTS AND DETAILS.

MODULAR BLOCKS SHALL HAVE A 'CUT STONE'APPREARNCE WITH SANDSTONE COLORATION.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THE LAYOUT SHEETS.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AND RAILING AS SHOWN. DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 psf.

ULTMATE DESIGN STRESSES;
CONCRETE MASONAT (COPING)
COPING

WALL EXTERNAL & OVERALL STABILITY EVALUATION

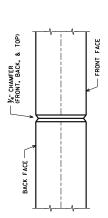
DIMENSIONS	EVALUATED LOCATIONS	EVALUATED LOCATIONS
LOCATION	W. ABUT.	E. ABUT.
WALL HEIGHT (FEET)	2.97	3.83
EXPOSED WALL HEIGHT (FEET)	76.0	1.83
MINIMUM LENGTH OF REINFORCEMENT (FEET) 🖪	::	
WALL STATION	0+04.50	00.60+0
BORING USED	1-18	2-18
CAPACITY TO DEMAND RATIO (CDR)		
SLIDING (CDR>1.0)	1.03	1.00
ECCENTRICITY (CDR)1.0)	1.28	1.00
OVERALL STABILITY (CDR>1.0) ☆	2.30	2.15
BEARING RESISTANCE (CDR>1.0)	6.30	2.86
FACTORED BEARING RESISTANCE (psf)	4,105	3.485

NOTES

THE LENCTHS PROVDED IN THE TABLE ARE THE MAINAUM REQUIRED REGIND POCKEAR! LIKELYIS ASSED DIVON THE MAINAUM DESCRIBED IN THE MALL SYSTEM SPECIAL PROVISIONS OR EXTERNAL MAD OVERALL STABILITY AT THE DESCRAFED LOCATIONS. THESE DESCRAFED LOCATIONS REPRESENT TYPICAL AND CRITICAL WALL LOCATIONS. THESE DESCRAFED LOCATIONS LIKE TYPICAL AND CRITICAL WALL LOCATIONS. THE CONTRACTOR DESCRAFE LENGTHS SHALL MET OR EXCEED THE MAINAUM VALUES REPRESENTED IN TABLE AT THESE DESIGNATED LOCATIONS.

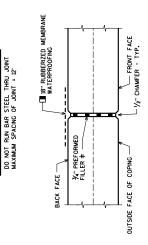
THE LENGTHS PROVIDED IN THE TABLE ARE THE MANMAUM REQUIRED REPROPRMENT PERFORMED BY THE WALL DESIGNER. COMPOUND STABILITY IS THE CONTRACTORS RESPONSIBILITY. ₩

COPING EXPANSION JOINT	
COPING EXF	
L L	WALL MOI GRAVITY AIL
WALL CONCRETE COPING	RETAINING WALL FACE & CONCRETE COPING DETAIL
- 1-2	NCRETE CO
90	ACE & CO
2	NG WALL F
COPPIG CONTRACTION JOINT	RETAINI



COPING CONTRACTION JOINT

SOIL PARAMETERS



DO NOT RUN BAR STEEL THRU JOINT MAXIMUM SPACING OF JOINT = 50' COPING EXPANSION JOINT

■ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

SEAL ALL EXPOSED HORIZ, & VERT, SURFACES OF FLIER WITH NON-STAINING GRAY NON-BITUAINOUS JOINT SEALER, UT DEEP AND HOLD 1/8" BELOW SURFACE OF CONC.)

PLACE EXPANSION JOINTS AT EVERY THIRD JOINT AND AT ALL WALL RADIUS PC/PT POINTS AND BEND POINTS.

RETAINING WALL DETA
COUNTY: BROWN

DETAILS - DESIGN DATA | RETAINING WALL

1:20.1083

WISDOT/CADDS SHEET 42

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Addendum No. 02 ID 4327-09-71 Added Sheet 4C

January 9, 2020

V:\Structures-EC\45-0444.00 - Brown Co, CTH R over Woll Street\Structures\Retaining walls\450444 Ret Walls details.dgm

HWY: CTH R

PROJECT NO#327-09-71

PENTABLE: BReau_shd_util.tbl

4 SHEET

