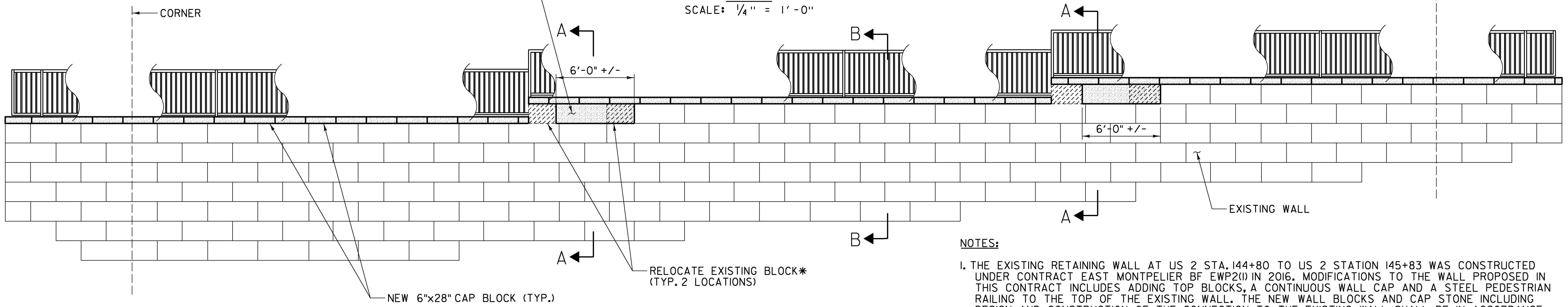


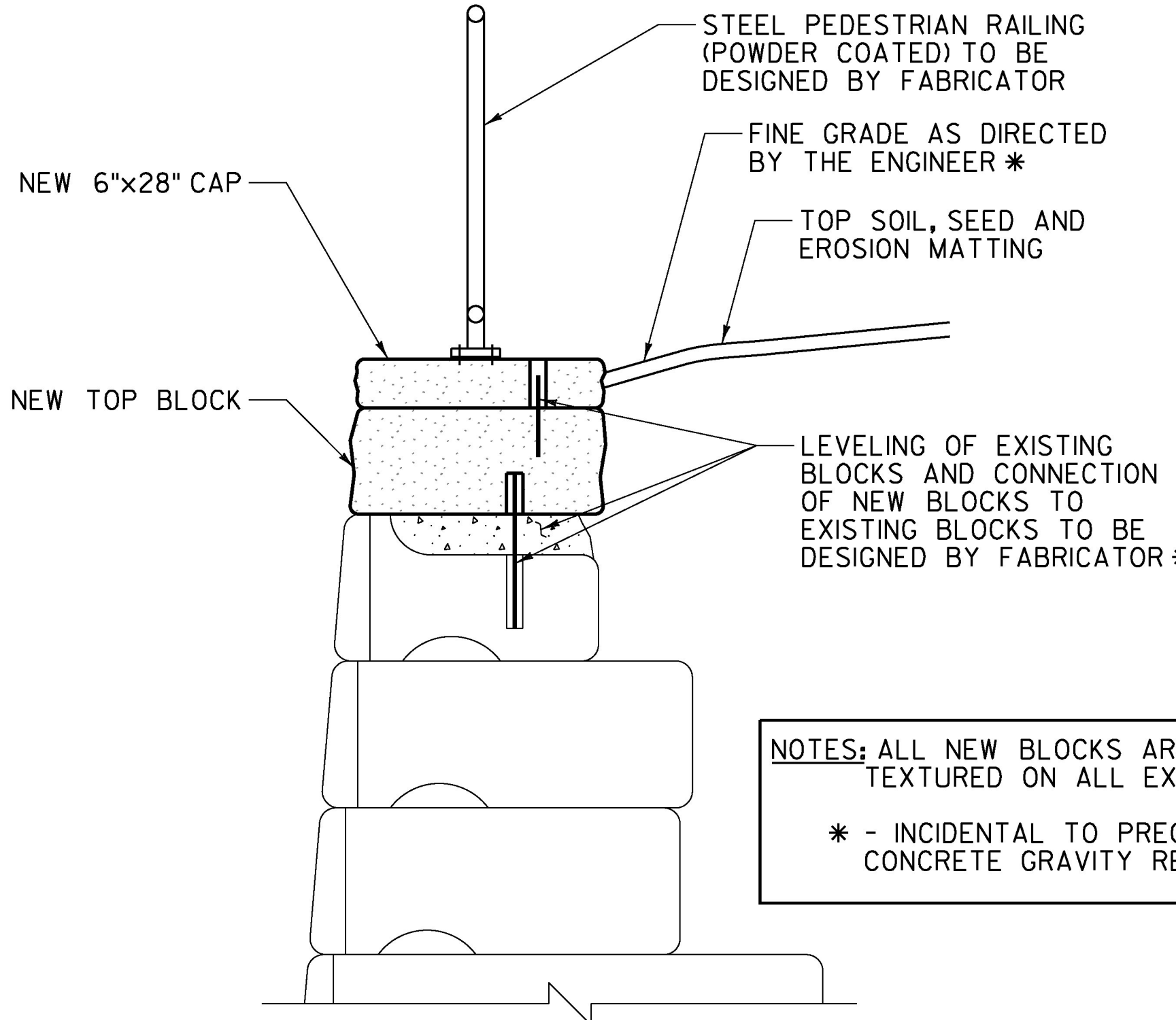
PLAN
SCALE: 1/4" = 1'-0"



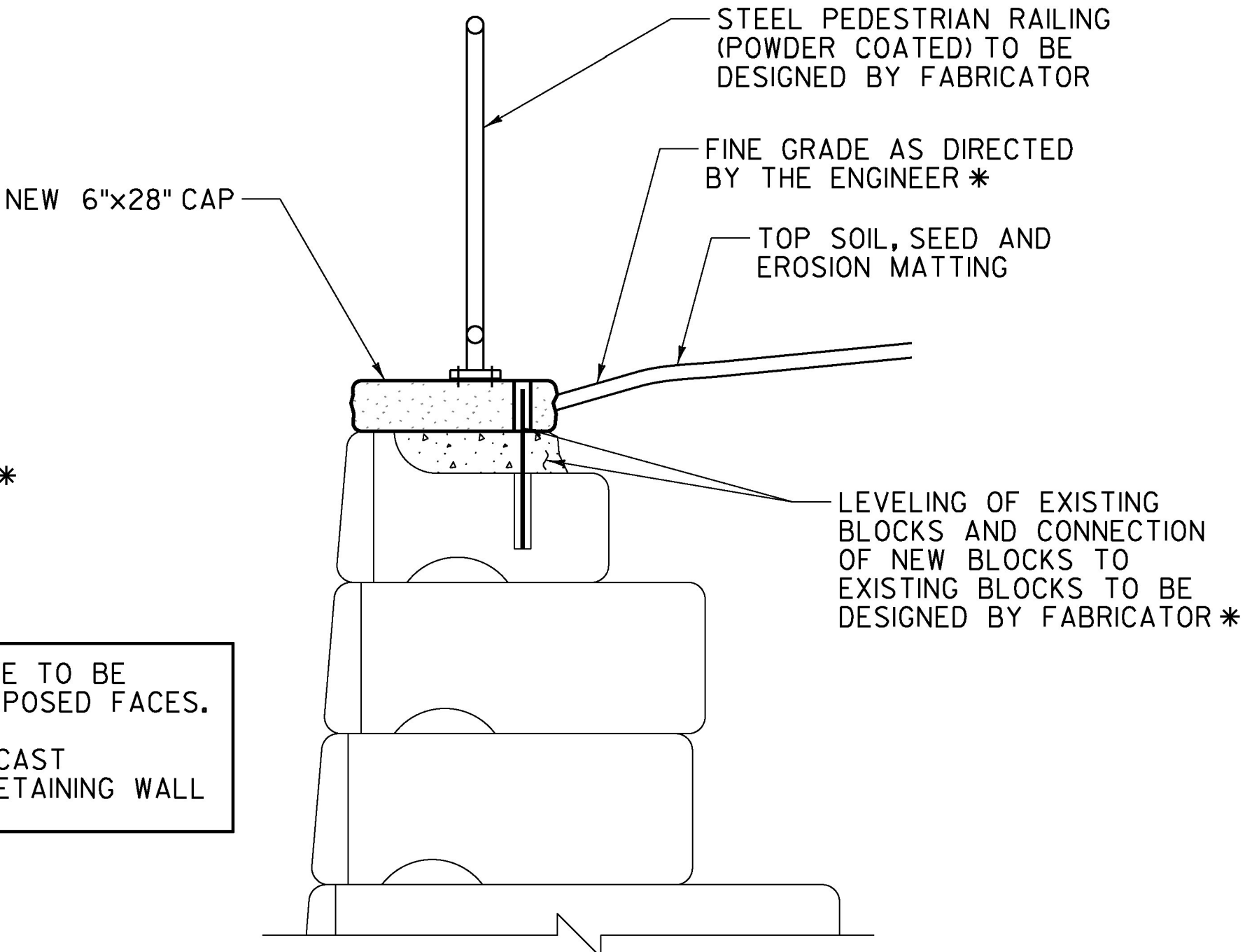
DEVELOPED ELEVATION
SCALE: 1/4" = 1'-0"

NOTES:

1. THE EXISTING RETAINING WALL AT US 2 STA. 144+80 TO US 2 STATION 145+83 WAS CONSTRUCTED UNDER CONTRACT EAST MONTPELIER BF EWP2(1) IN 2016. MODIFICATIONS TO THE WALL PROPOSED IN THIS CONTRACT INCLUDES ADDING TOP BLOCKS, A CONTINUOUS WALL CAP AND A STEEL PEDESTRIAN RAILING TO THE TOP OF THE EXISTING WALL. THE NEW WALL BLOCKS AND CAP STONE INCLUDING DESIGN AND CONSTRUCTION OF THE CONNECTION TO THE EXISTING WALL SHALL BE IN ACCORDANCE WITH ITEM 900.645 SPECIAL PROVISION (PRECAST CONCRETE GRAVITY RETAINING WALL). THE PEDESTRIAN RAILING SHALL BE IN ACCORDANCE WITH 900.640 SPECIAL PROVISION (PEDESTRIAN RAILING, STEEL). RECORD PLANS FOR THE EXISTING WALL ARE INCLUDED IN THIS PLAN SET.
 2. ALL NEW BLOCK ARE TO BE REDIROCK LEDGESTONE WITH THE SAME NEW ENGLAND LEDGESTONE TEXTURE AND COLOR USED IN THE 2016 CONSTRUCTION OF THE EXISTING WALL. ALL EXPOSED FACES OF NEW BLOCKS AND CAP STONES SHALL BE TEXTURED AND COLORED.
 3. AFTER THE MODIFICATIONS ARE MADE, CONCRETE SURFACES SHALL BE TREATED WITH WATER REPELLENT, SILANE MEETING THE REQUIREMENTS OF SECTION 514 AND AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE MADE UNDER ITEM 514.10. CONTRACTOR SHALL PROVIDE WRITTEN VERIFICATION THAT THE WATER REPELLENT IS COMPATIBLE WITH THE STAIN USED TO COLOR THE WALL.
 4. PEDESTRIAN RAILING DESIGN LOAD:
 POST AND BASE PLATE: EQUIVALENT POINT LOAD EQUAL TO THE MAXIMUM OF 200 LB. LOAD OR 50 LB./FT. X POST SPACING (FT.) APPLIED TRANSVERSELY AT TOP RAIL CONNECTION.
 TOP & BOTTOM RAILS: THE MAXIMUM OF EITHER A 50 LB./FT. UNIFORM LOAD OR A 200 LB. CONCENTRATED POINT LOAD APPLIED IN ANY DIRECTION TO THE RAIL.
 HANDRAILS: NOT REQUIRED.
 PICKETS: CONCENTRATED 200 LB. LOAD APPLIED TRANSVERSELY OVER AN AREA OF 1.0 SQUARE FOOT.
- PEDESTRIAN RAILING GEOMETRY:
 RAILING HEIGHT: 42" MINIMUM.
 CLEAR OPENING BETWEEN PICKETS: SHALL REJECT THE PASSAGE OF A 4" DIAMETER SPHERE BELOW 42" HEIGHT.
 CLEAR OPENING UNDER BOTTOM RAIL: SHALL REJECT THE PASSAGE OF A 2" DIAMETER SPHERE.



SECTION A-A
SCALE: 3/4" = 1'-0"



TYPICAL SECTION B-B
SCALE: 3/4" = 1'-0"

NOTES: ALL NEW BLOCKS ARE TO BE TEXTURED ON ALL EXPOSED FACES.
 * - INCIDENTAL TO PRECAST CONCRETE GRAVITY RETAINING WALL



PROJECT NAME:	EAST MONTPELIER
PROJECT NUMBER:	BRF 037-(17)
FILE NAME: z98b252_RetainingWall.dgn	PLOT DATE: 2/17/2017
PROJECT LEADER: T. KNIGHT	DRAWN BY: J. SOTER
DESIGNED BY: T. KNIGHT	CHECKED BY: P. GREENBERG
RETAINING WALL DETAILS	SHEET 21 OF 158