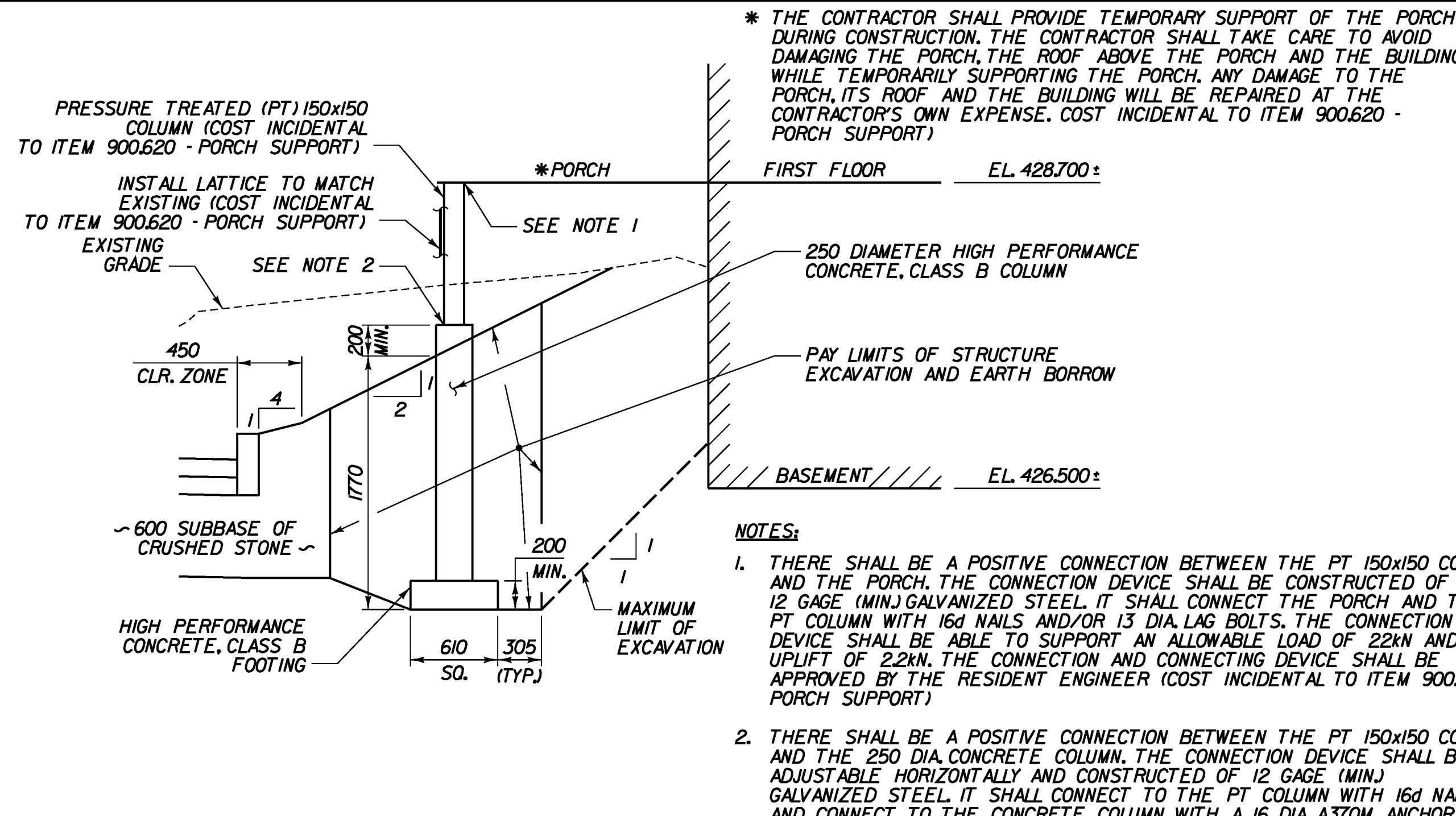


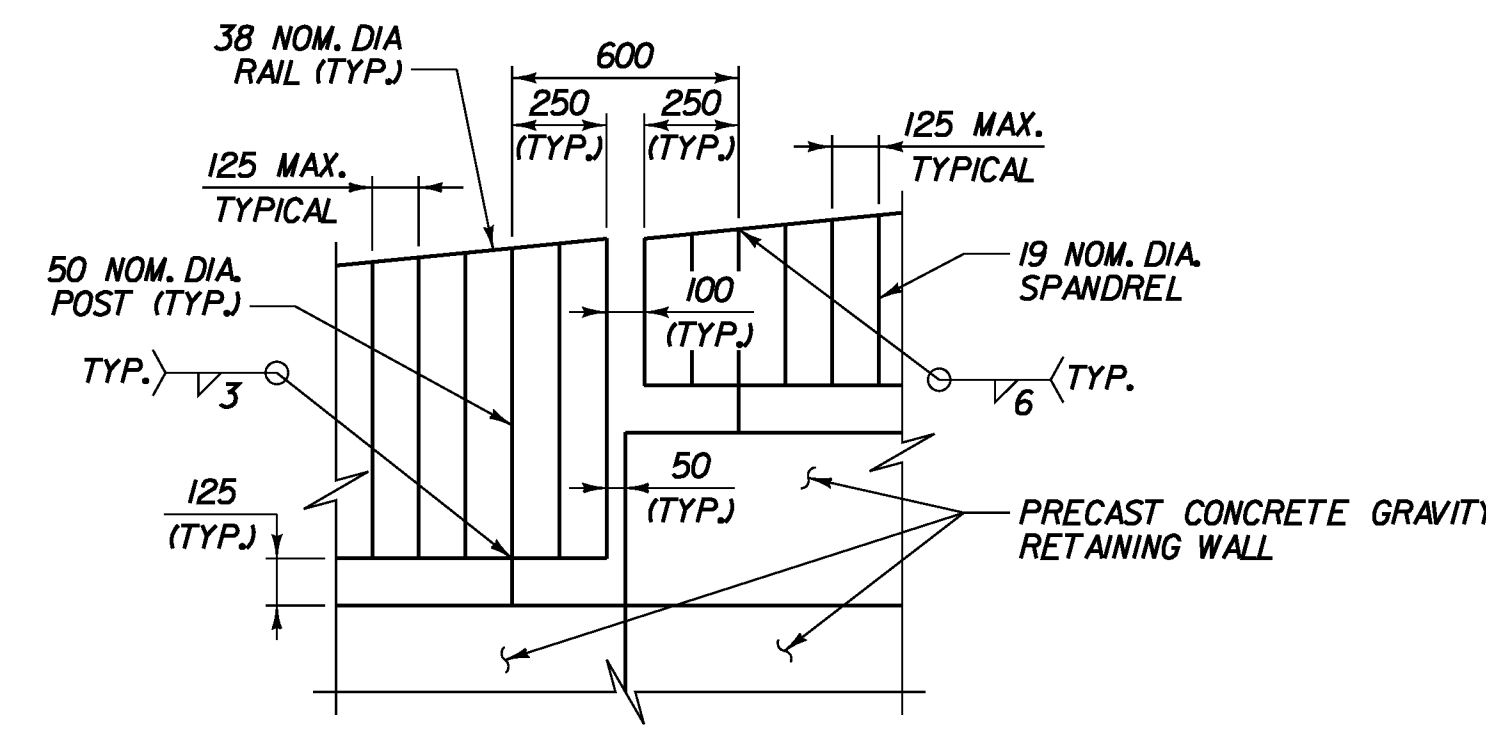
PORCH PLAN STA. 19+240, RT.
SCALE 1/100



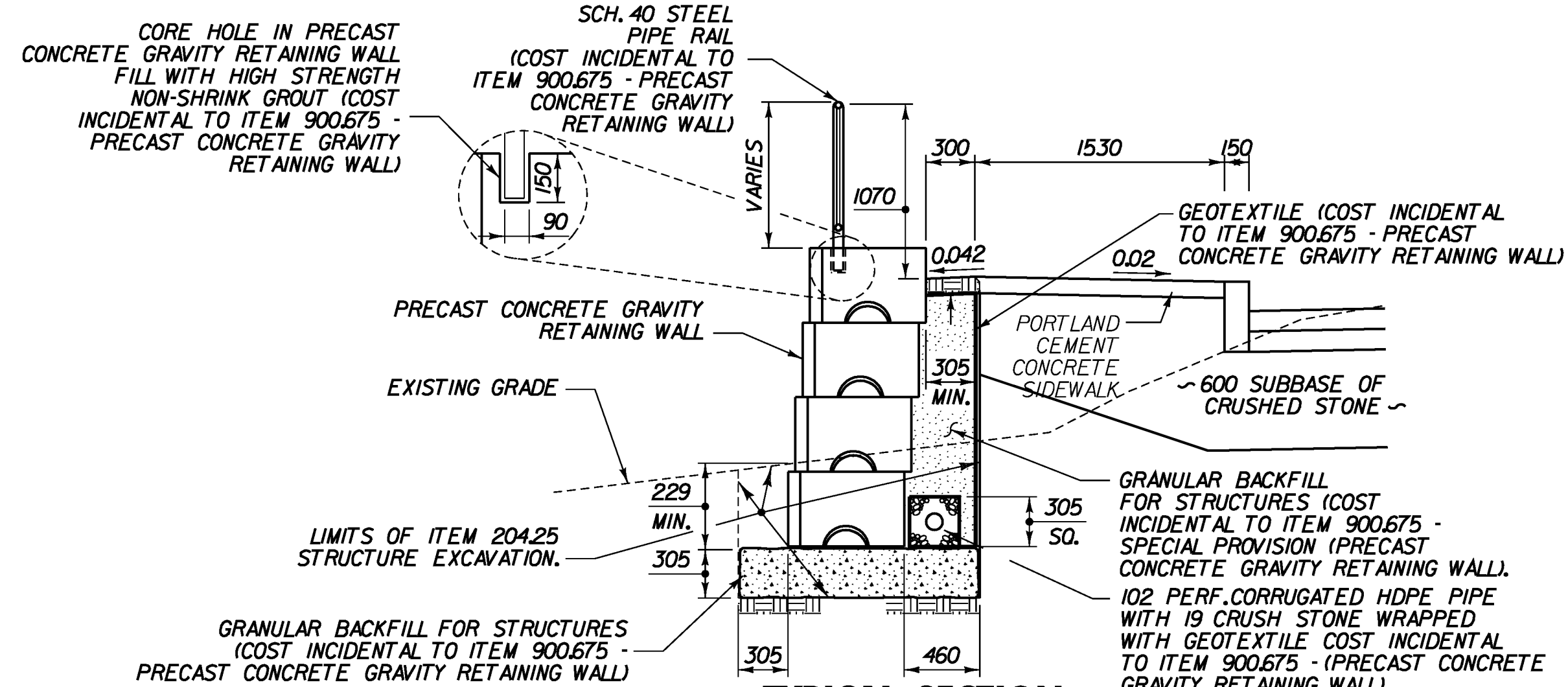
PORCH SUPPORT DETAIL
SCALE 1/30

* THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT OF THE PORCH DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGING THE PORCH, THE ROOF ABOVE THE PORCH AND THE BUILDING WHILE TEMPORARILY SUPPORTING THE PORCH. ANY DAMAGE TO THE PORCH, ITS ROOF AND THE BUILDING WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE. COST INCIDENTAL TO ITEM 900.620 - PORCH SUPPORT)

- NOTES:**
1. THERE SHALL BE A POSITIVE CONNECTION BETWEEN THE PT 150x150 COLUMN AND THE 250 DIA. CONCRETE COLUMN. THE CONNECTION DEVICE SHALL BE CONSTRUCTED OF 12 GAGE (MIN.) GALVANIZED STEEL. IT SHALL CONNECT THE PORCH AND THE PT COLUMN WITH 16d NAILS AND/OR 13 DIA. LAG BOLTS. THE CONNECTION DEVICE SHALL BE ABLE TO SUPPORT AN ALLOWABLE LOAD OF 22kN AND A UPLIFT OF 2.2kN. THE CONNECTION AND CONNECTING DEVICE SHALL BE APPROVED BY THE RESIDENT ENGINEER (COST INCIDENTAL TO ITEM 900.620 - PORCH SUPPORT)
 2. THERE SHALL BE A POSITIVE CONNECTION BETWEEN THE PT 150x150 COLUMN AND THE 250 DIA. CONCRETE COLUMN. THE CONNECTION DEVICE SHALL BE ADJUSTABLE HORIZONTALLY AND CONSTRUCTED OF 12 GAGE (MIN.) GALVANIZED STEEL. IT SHALL CONNECT TO THE PT COLUMN WITH 16d NAILS AND CONNECT TO THE CONCRETE COLUMN WITH A 16 DIA. ASTM ANCHOR BOLT WITH 150 OF EMBEDMENT. THE CONNECTION DEVICE SHALL BE ABLE TO SUPPORT AN ALLOWABLE LOAD OF 22kN AND A UPLIFT OF 2.2kN (COST INCIDENTAL TO ITEM 900.620 - PORCH SUPPORT).
 3. THE CONTRACTOR SHALL TAKE CARE TO AVOID UNDERMINING OR DAMAGING THE EXISTING FOUNDATION WHILE EXCAVATING FOR THE CONCRETE FOOTING. ANY DAMAGE TO THE EXISTING FOUNDATION, PORCH OR BUILDING WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

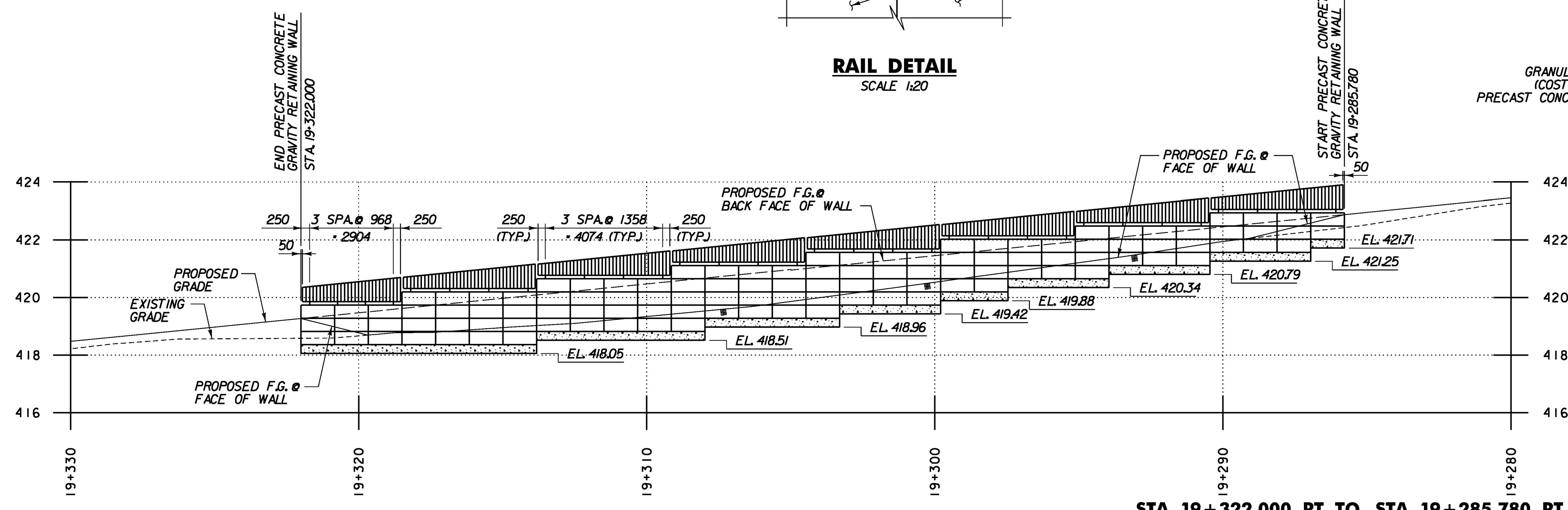


RAIL DETAIL
SCALE 1/20



TYPICAL SECTION
SCALE 1/30

- NOTE:**
1. AFTER THE WALL IS ERECTED AND THE RAILING IS IN PLACE, CLEAN THE FACE AND TOP OF THE RETAINING WALL WITH A BRUSH, THEN APPLY TWO COATS OF SILANE WATER REPELLENT. COST INCIDENTAL TO ITEM 900.675 - (PRECAST CONCRETE GRAVITY RETAINING WALL).
 2. COST OF RAILING INCLUDING MATERIAL AND INSTALLATION SHALL BE INCIDENTAL TO ITEM 900.675 - (PRECAST CONCRETE GRAVITY RETAINING WALL).
 3. ALL RAILS, POSTS AND SPANDRELS SHALL BE ASTM A53, TYPE E. ALL RAILS, POSTS AND SPANDRELS SHALL BE PAINTED BLACK. COST INCIDENTAL TO ITEM 900.675 - (PRECAST CONCRETE GRAVITY RETAINING WALL).
 4. PRECAST CONCRETE GRAVITY RETAINING WALL SHALL BE ABLE TO RESIST A 2 kN HORIZONTAL LOAD AT THE BASE OF THE RAILING POST.
 5. TIE RETAINING WALL DRAINAGE PIPE TO DRAIN INTO U207.
 6. HDPE PIPE TO CONNECT TO U207 (SEE CP-7). CONNECTION PAID INCIDENTAL TO ITEM 900.675 (PRECAST CONCRETE GRAVITY RETAINING WALL).
 7. GEOTECHNICAL INVESTIGATION NECESSARY FOR DESIGN OF THE WALL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COST INCIDENTAL TO ITEM 900.675 (PRECAST CONCRETE GRAVITY RETAINING WALL).



PRECAST CONCRETE GRAVITY RETAINING WALL ELEVATION
SCALE 1/100

PROJECT NAME:	DANVILLE
PROJECT NUMBER:	F EGC 028-3(32)
FILE NAME:	...PlotFiles\099 retwall.pptf
DESIGN SUPERVISOR:	GARY SANTY
DESIGNED BY:	STANTEC
STRUCTURAL DETAILS	SD-1
PLOT DATE:	1/18/2011
DRAWN BY:	STANTEC
CHECKED BY:	STANTEC
SHEET	216 OF 306



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