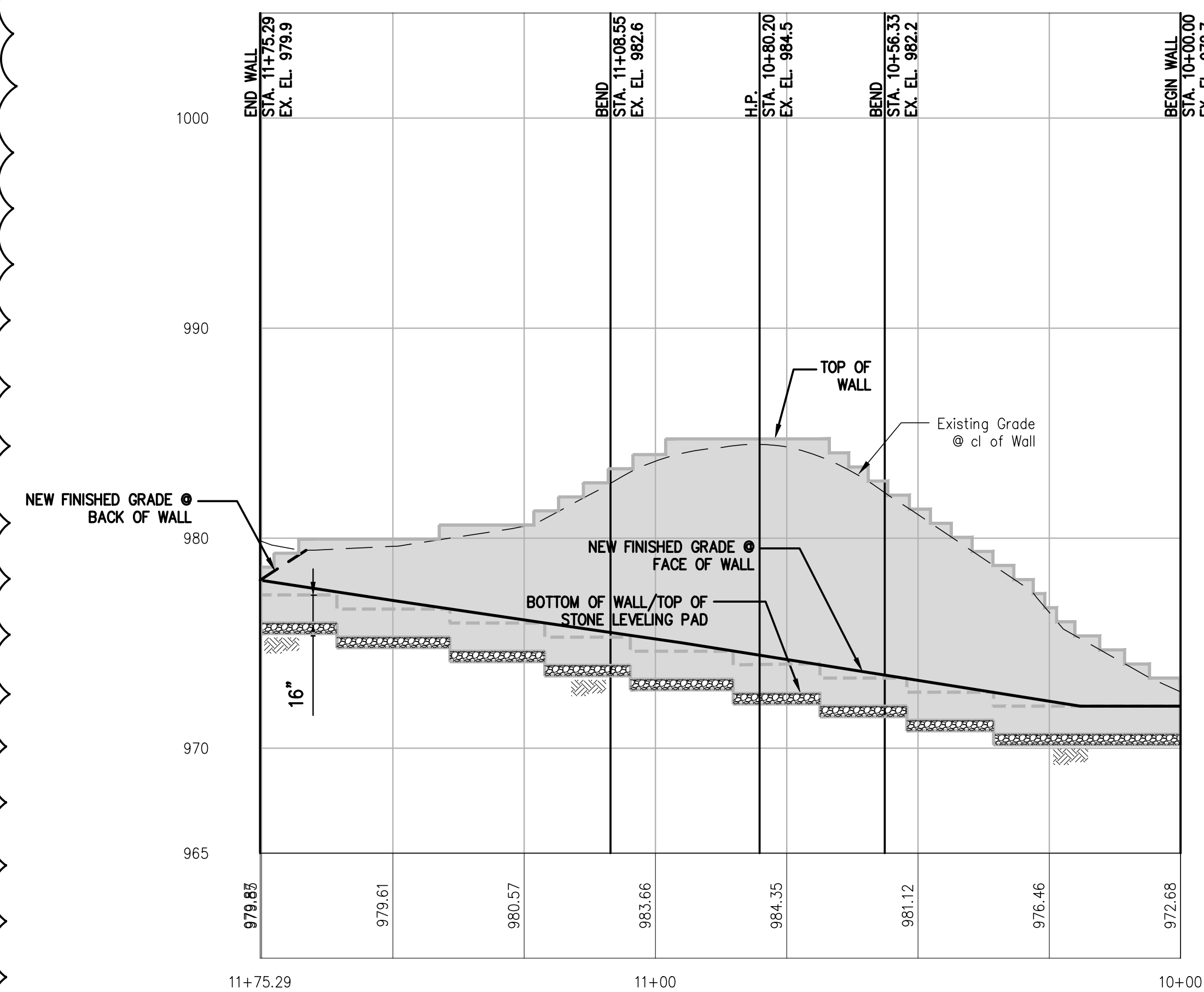
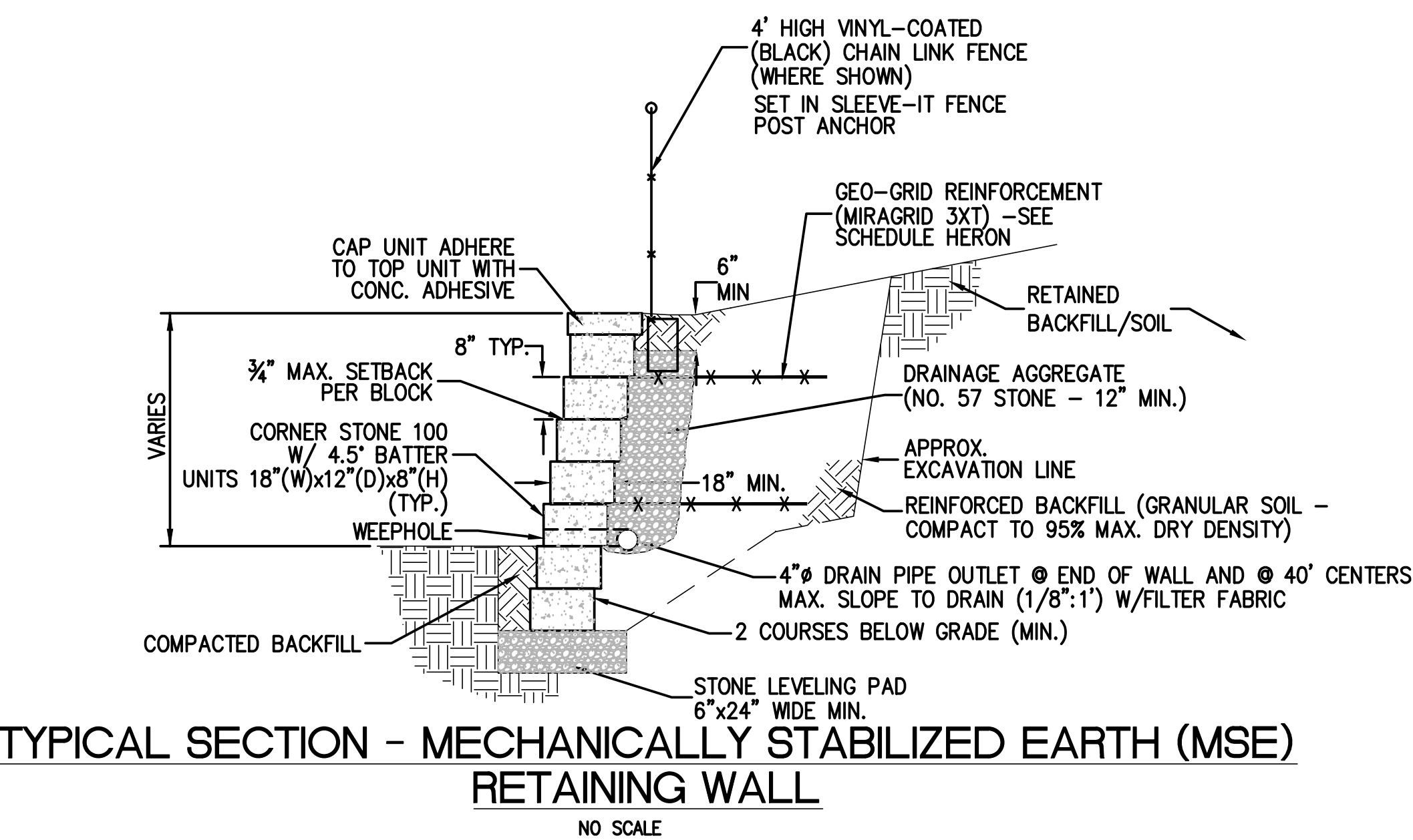


PLAN - RETAINING WALL 'A'
SCALE: 1" = 20'



ELEVATION - RETAINING WALL 'A'
SCALE:
H: 1" = 20'
V: 1" = 5'



GENERAL NOTES - WALLS

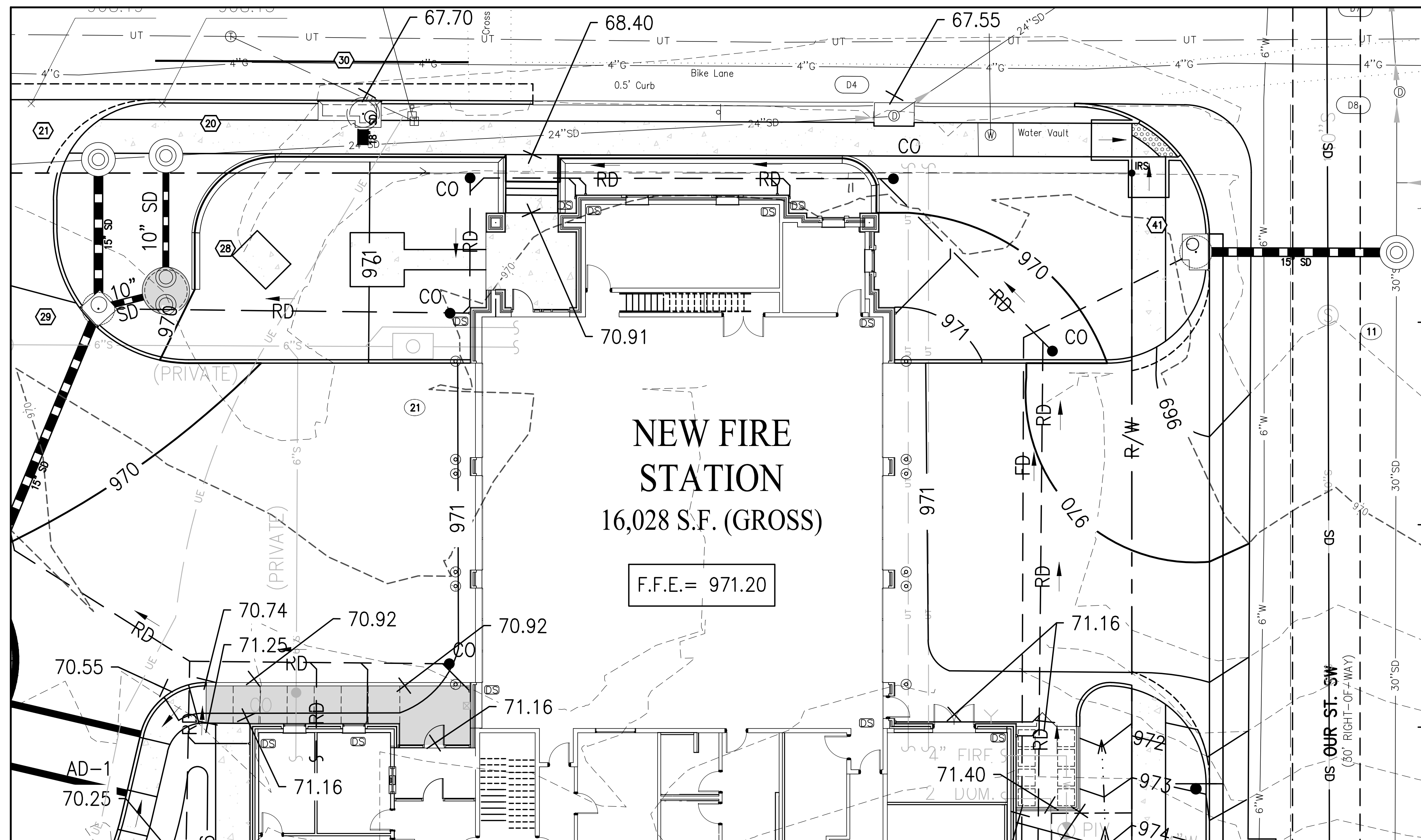
- ALL DIMENSIONS AND MATERIAL TYPES AND FIELD CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION.
- THE DESIGN OF THE MECHANICALLY STABILIZED EARTH RETAINING WALL (MSE) SHALL ASSUME THE FOLLOWING PARAMETERS:

SOIL CONDITIONS	SOIL TYPE	MOIST UNIT WEIGHT (PCF)	FRICTION ANGLE (DEG)	COHESION (PSF)
REINFORCED FILL	CLAYEY SILT	115	30	0
RETAINED SOIL	CLAYEY SILT	130	30	0
FOUNDATION SOIL	CLAYEY SILT / W. ROCK	120	30	250

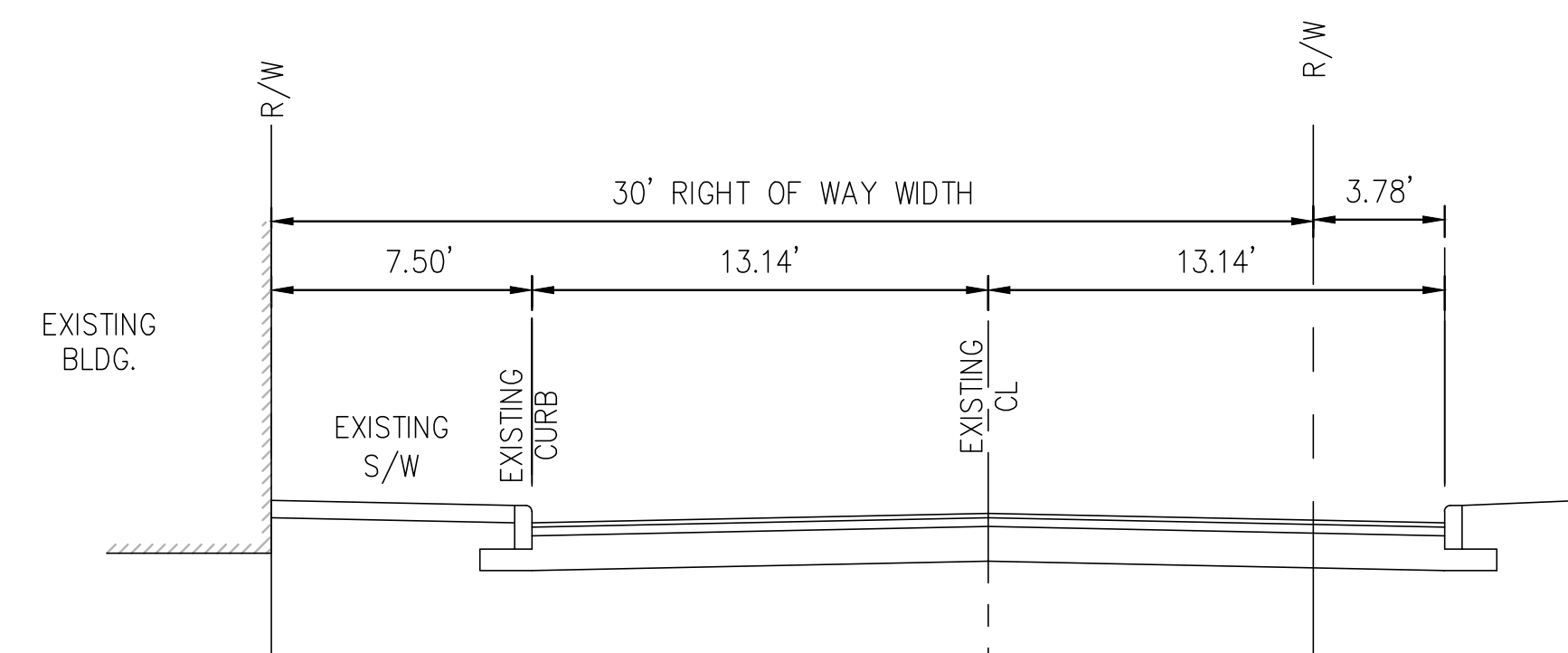
- SOIL STRENGTH PARAMETERS ARE BASED ON USE OF CLAYEY SILT (MH) IN THE REINFORCED FILL ZONE WITH A MINIMUM INTERNAL FRICTION ANGLE OF 30 DEGREES. IF OFF-SITE FILL MATERIAL IS NEEDED, A GRANULAR SOIL FILL OR STONE BACKFILL IS RECOMMENDED. ALL SOIL SHALL BE COMPACTED IN MAXIMUM 8-INCH LIFTS WITH PORTABLE COMPACTION EQUIPMENT. MOISTURE CONTENT SHALL BE CONTROLLED TO FACILITATE COMPACTION. WET SOIL SHALL NOT BE USED.

MAXIMUM WALL HEIGHT = 14 FEET
SURCHARGE AT TOP OF SLOPE = 250 PSF
BACKSLOPE BEHIND THE WALL = 2:1 (MAX.)
FRONT SLOPE = LEVEL

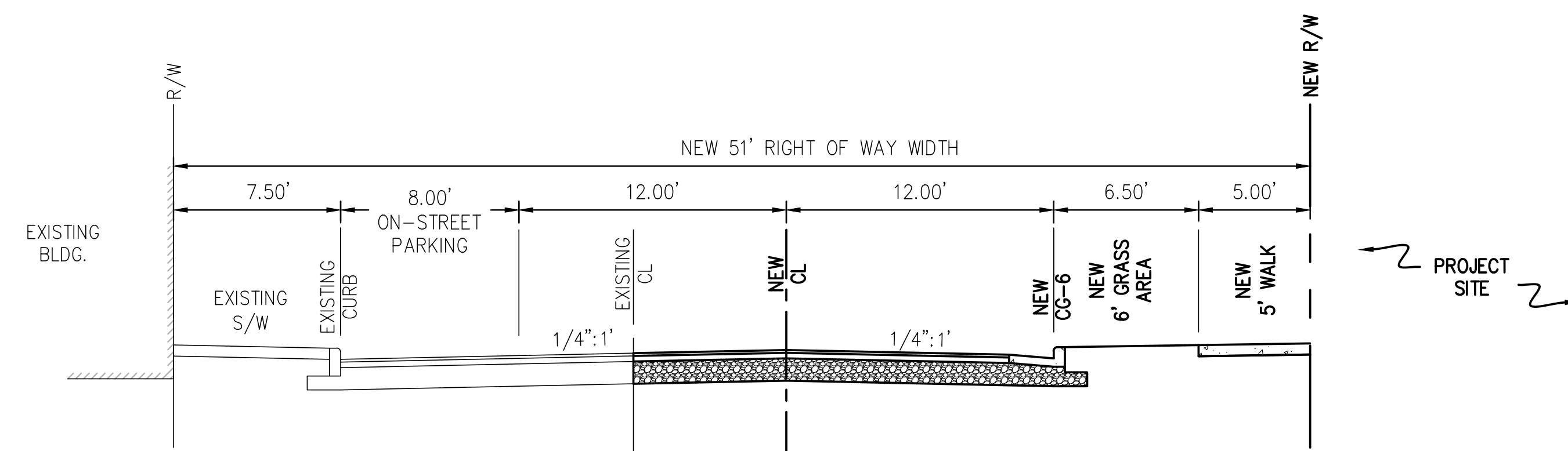
DESIGN SOIL BEARING CAPACITY = 2,000 PSF
GLOBAL STABILITY (FACTOR OF SAFETY AGAINST SLOPE FAILURE) = 1.50



ENLARGED GRADING PLAN
SCALE: 1" = 10'



OUR STREET- EXISTING ROAD CROSS SECTION
SCALE: N.T.S.



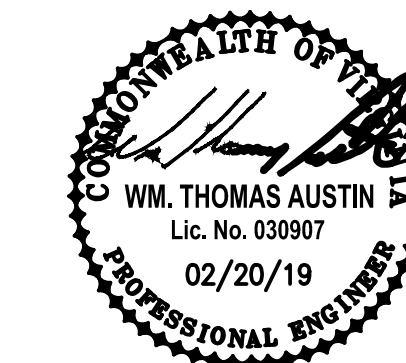
OUR STREET- PROPOSED ROAD CROSS SECTION
SCALE: N.T.S.

CITY PLAN NO.: CP19-0003



701 FIRST STREET, S.W.
ROANOKE, VIRGINIA 24016
(540) 345-9342
FAX (540) 345-7691

GENERAL NOTES



MAC 3836

PROJECT TITLE

ROANOKE FIRE-EMS
STATION #7

BID SET

SFCS

SFCS Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfcs.com

PROJECT DESIGNER	:	
PROJECT ARCHITECT	:	
PROJECT ENGINEER	:	WTA
DRAWN BY	:	ARB
CHECKED BY	:	WTA
APPROVED BY	:	WTA

NO. REVISION DESCRIPTION DATE

Addendum No. 5 7/11/19

DRAWING TITLE

DETAILS & SECTIONS

COMM. NO.

17503.00

DRAWING

SHEET

C6.2

DATE

FEBRUARY 20, 2019

SHEET

C6.2

OF