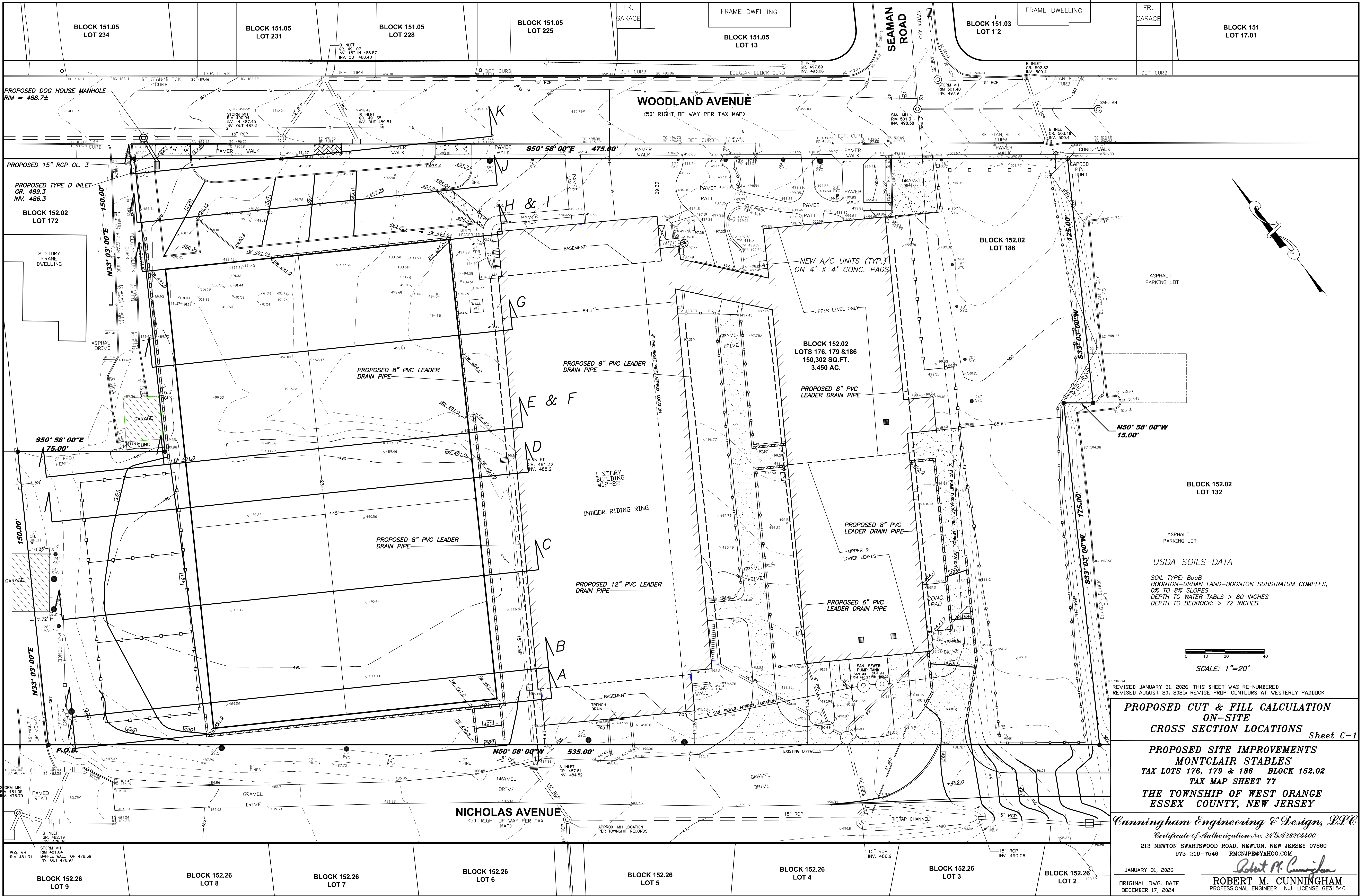
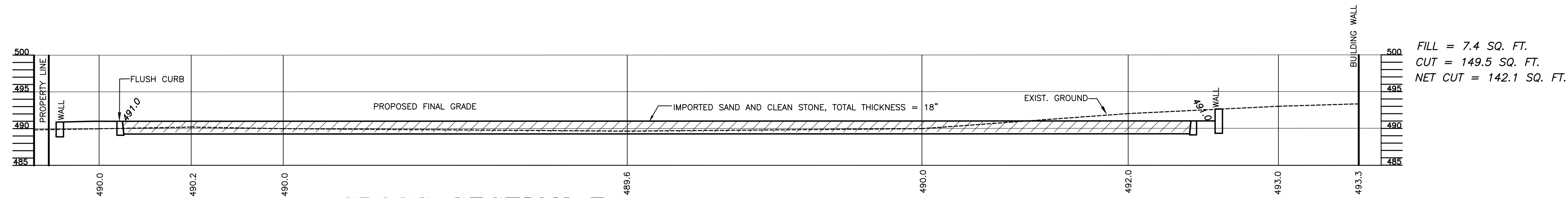




**PROPOSED CUT & FILL CALCULATION
ON-SITE
CROSS SECTION LOCATIONS** Sheet C-1

**PROPOSED SITE IMPROVEMENTS
MONTCLAIR STABLES
TAX LOTS 176, 179 & 186 BLOCK 152.02
TAX MAP SHEET 77
THE TOWNSHIP OF WEST ORANGE
ESSEX COUNTY, NEW JERSEY**

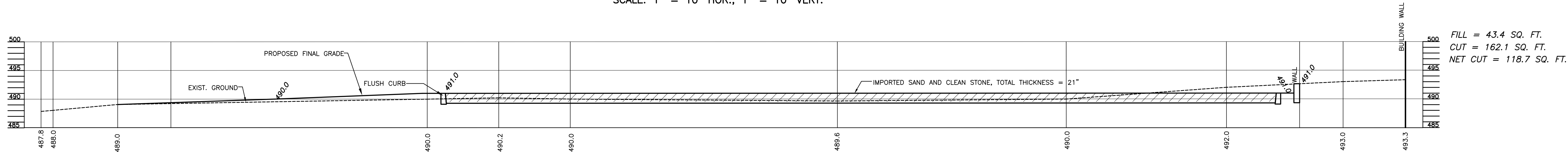
Cunningham Engineering & Design, LLC
Certificate of Authorization No. 2428201400
213 NEWTON SWARTSWOOD ROAD, NEWTON, NEW JERSEY 07860
973-219-7546 RMCNUE@YAHOO.COM
JANUARY 31, 2026
ORIGINAL DWG. DATE
DECEMBER 17, 2024
ROBERT M. CUNNINGHAM
PROFESSIONAL ENGINEER N.J. LICENSE GE31540



CROSS SECTION F

SCALE: 1" = 10' HOR., 1" = 10' VERT.

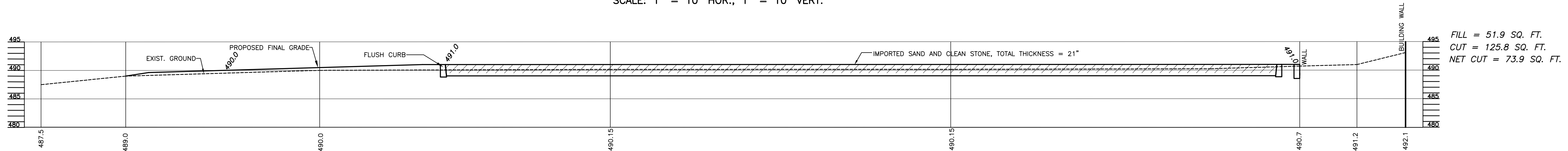
FILL = 7.4 SQ. FT.
CUT = 149.5 SQ. FT.
NET CUT = 142.1 SQ. FT.



CROSS SECTION E

SCALE: 1" = 10' HOR., 1" = 10' VERT.

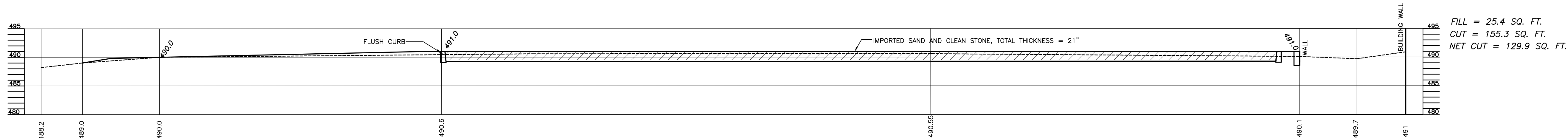
FILL = 43.4 SQ. FT.
CUT = 162.1 SQ. FT.
NET CUT = 118.7 SQ. FT.



CROSS SECTION D

SCALE: 1" = 10' HOR., 1" = 10' VERT.

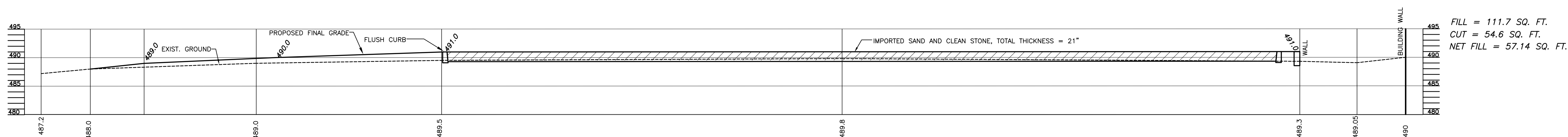
FILL = 51.9 SQ. FT.
CUT = 125.8 SQ. FT.
NET CUT = 73.9 SQ. FT.



CROSS SECTION C

SCALE: 1" = 10' HOR., 1" = 10' VERT.

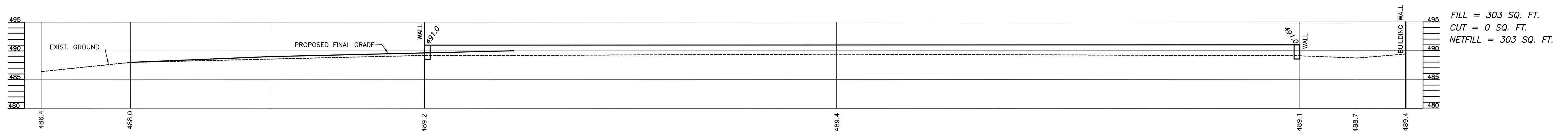
FILL = 25.4 SQ. FT.
CUT = 155.3 SQ. FT.
NET CUT = 129.9 SQ. FT.



CROSS SECTION B

SCALE: 1" = 10' HOR., 1" = 10' VERT.

FILL = 111.7 SQ. FT.
CUT = 54.6 SQ. FT.
NET FILL = 57.14 SQ. FT.



CROSS SECTION A

SCALE: 1" = 10' HOR., 1" = 10' VERT.

FILL = 303 SQ. FT.
CUT = 0 SQ. FT.
NET FILL = 303 SQ. FT.

FILL VOLUME CALCULATIONS					
SECTION	C OR F AREA	AVERAGE AREA	DISTANCE BETWEEN SECTIONS	C OR F VOLUME	CUMULATIVE VOLUME
A	F 303 S.F.				
		F 180.05 S.F.	15 FT.	F 2,700.25 C.F.	F 2,700.25 C.F.
B	F 57.1 S.F.				
		C 36.4 S.F.	50 FT.	C 1,820 C.F.	F 880.25 C.F.
C	C 129.9 S.F.				
		C 101.9 S.F.	50 FT.	C 5,095 C.F.	C 4,214.75 C.F.
D	C 73.9 S.F.				
		C 96.3 S.F.	23 FT.	C 2,214.9 C.F.	C 6,429.65 C.F.
E	C 118.7 S.F.				
		C 130.4 S.F.	0 FT.	C 0 C.F.	C 6,429.65 C.F.
F	C 142.1 S.F.				

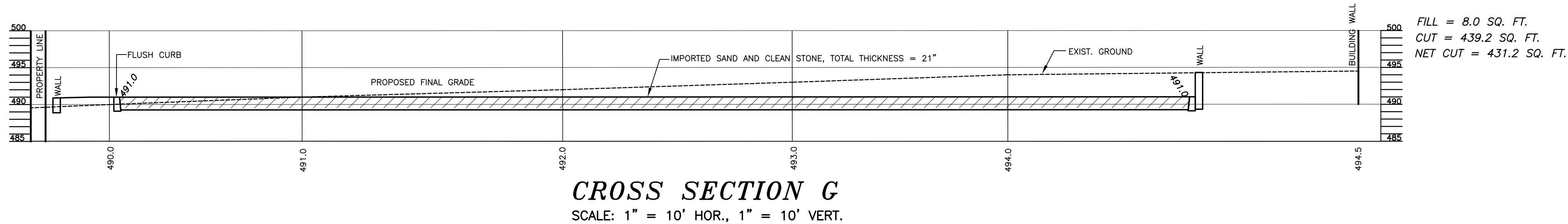
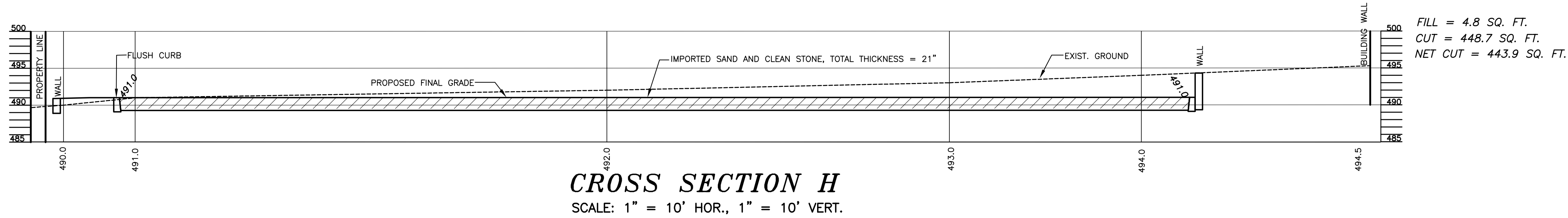
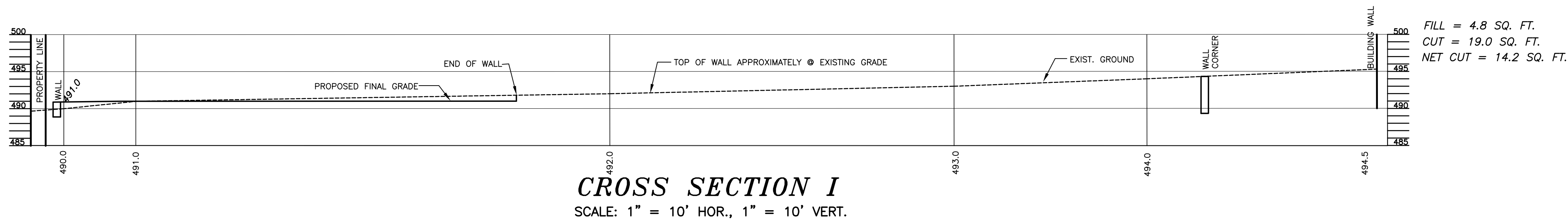
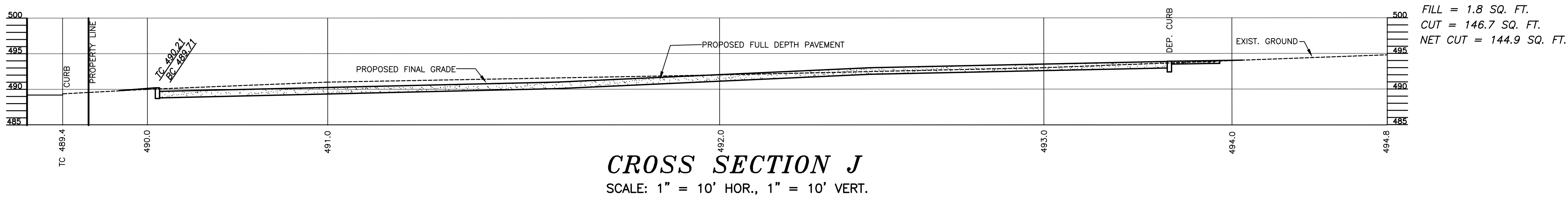
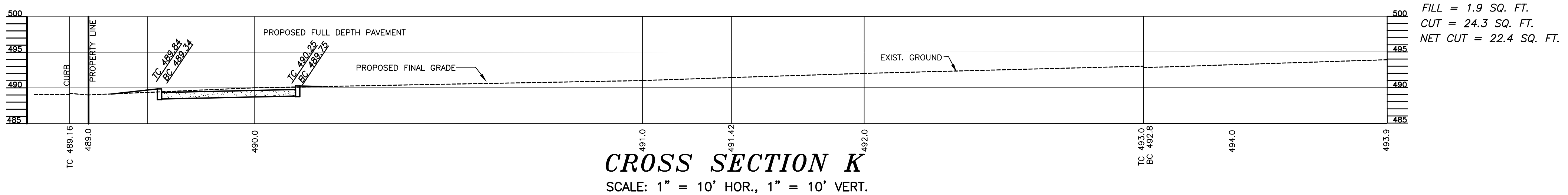
FILL VOLUMES DO NOT INCLUDE THE PAVING MATERIALS OR RIDING ARENA MATERIALS.
CUT VOLUMES ARE TAKEN TO PARKING LOT OR RIDING ARENA SUBGRADE SUBGRADE.
VIEWPOINT: CROSS SECTIONS ARE LOOKING NORTH

REVISED JANUARY 31, 2026: THGIS SHEET WAS RE-NUMBERED
REVISED AUGUST 20, 2025: REVISE CROSS SECTIONS & CUT / FILL CALCULATIONS

PROPOSED CUT & FILL CALCULATION
CROSS SECTIONS - SHEET 2
Sheet C-2

PROPOSED SITE IMPROVEMENTS
MONTCLAIR STABLES
TAX LOTS 176, 179 & 186 BLOCK 152.02
TAX MAP SHEET 77
THE TOWNSHIP OF WEST ORANGE
ESSEX COUNTY, NEW JERSEY

Cunningham Engineering & Design, LLC
Certificate of Authorization No. 24ES128201100
213 NEWTON SWARTSWOOD ROAD, NEWTON, NEW JERSEY 07860
973-219-7546 RMCNJPE@YAHOO.COM
JANUARY 31, 2026
ORIGINAL DWG. DATE
JANUARY 6, 2025
Robert M. Cunningham
ROBERT M. CUNNINGHAM
PROFESSIONAL ENGINEER N.J. LICENSE GE31540



FILL VOLUME CALCULATIONS

SECTION	C OR F AREA	AVERAGE AREA	DISTANCE BETWEEN SECTIONS	C OR F VOLUME	CUMULATIVE VOLUME
F	C 142.1 S.F.				C 6,429.65 C.F.
		C 286.65 S.F.	50 FT.	C 14,332.5 C.F.	C 20,762.15 C.F.
G	C 431.2 S.F.				
		C 437.55 S.F.	50 FT.	F 21,877.5 C.F.	C 42,639.65 C.F.
H	C 443.9 S.F.				
		C 229.05 S.F.	0 FT.	C 0 C.F.	C 42,639.65 C.F.
I	C 14.2 S.F.				
		C 79.55 S.F.	25 FT.	C 1,988.7 C.F.	C 44,628.35 C.F.
J	C 144.9 S.F.				
		C 83.65 S.F.	25 FT.	C 2,091.3 C.F.	C 46,719.65 C.F.
K	C 22.4 S.F.				
					NET CUT 1,730.4 C.Y.

OF THE 1,730.4 C.Y. CUT, APPROXIMATELY 505 C.Y. IS THE SAND FROM THE EXISTING RIDING RING.

FILL VOLUMES DO NOT INCLUDE THE PAVING MATERIALS OR RIDING ARENA MATERIALS.
CUT VOLUMES ARE TAKEN TO PARKING LOT OR RIDING ARENA SUBGRADE.
VIEWPOINT: CROSS SECTIONS ARE LOOKING NORTH

REVISED JANUARY 31, 2026: THIS SHEET WAS RE-NUMBERED
REVISED AUGUST 20, 2025: REVISE CROSS SECTIONS & CUT / FILL CALCULATIONS

PROPOSED CUT & FILL CALCULATION

CROSS SECTIONS - SHEET 3

Sheet C-3

PROPOSED SITE IMPROVEMENTS

MONTCLAIR STABLES

TAX LOTS 176, 179 & 186 BLOCK 152.02

TAX MAP SHEET 77

THE TOWNSHIP OF WEST ORANGE

ESSEX COUNTY, NEW JERSEY

Cunningham Engineering & Design, LLC

Certificate of Authorization No. 245428204100

213 NEWTON SWARTSWOOD ROAD, NEWTON, NEW JERSEY 07860

973-219-7546 RMCNJPE@YAHOO.COM

JANUARY 31, 2026

ORIGINAL DWG. DATE
JANUARY 6, 2025

Robert M. Cunningham

ROBERT M. CUNNINGHAM
PROFESSIONAL ENGINEER N.J. LICENSE GE31540