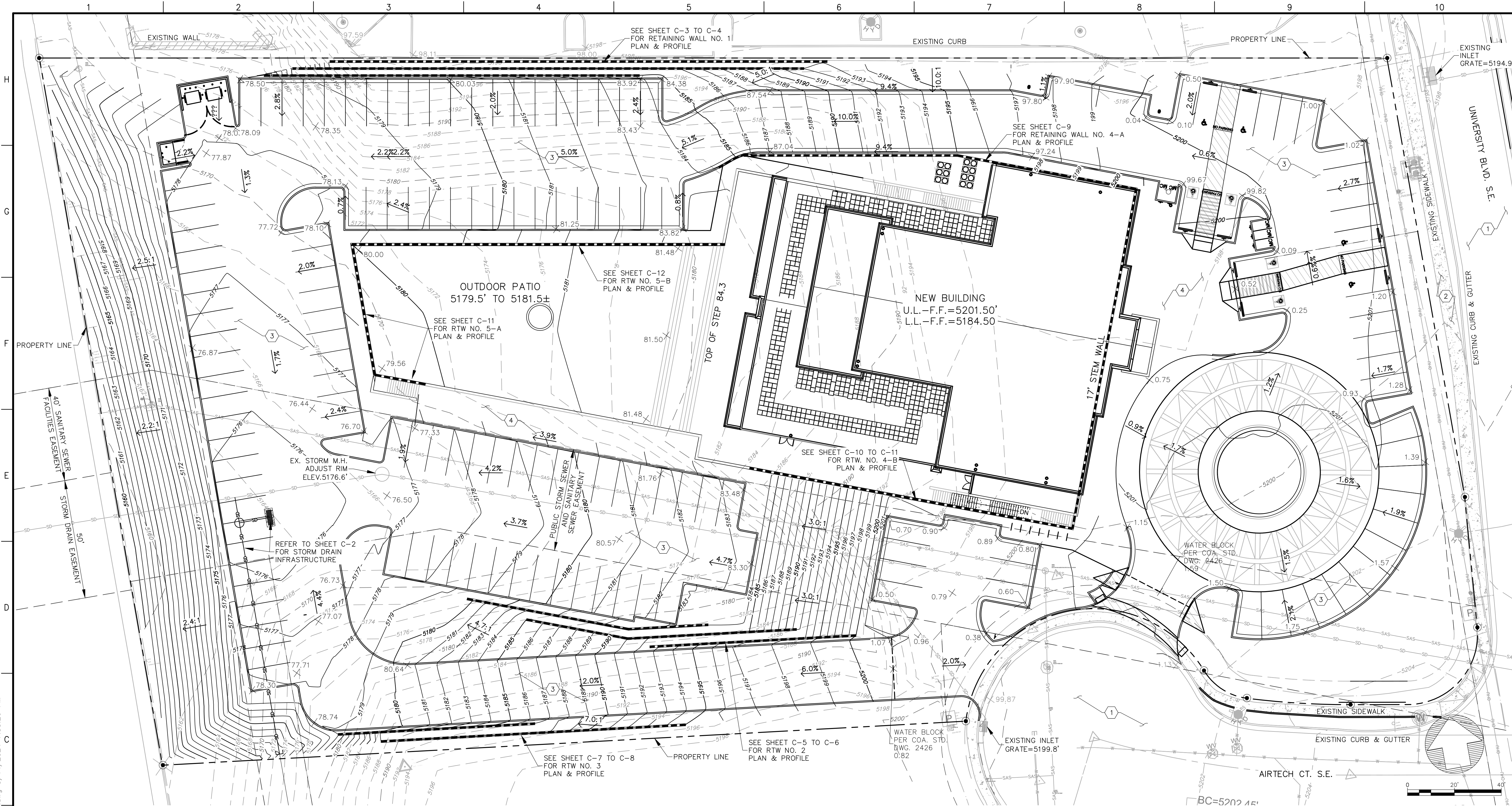


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GENERAL GRADING NOTES:

1. THE CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES SHOWN AND COORDINATE WITH ALL UTILITY OWNERS PRIOR TO ANY EXCAVATION.
2. THE CONTRACTOR SHALL LIMIT DISTURBANCE OF NATIVE VEGETATION TO A MINIMUM.
3. THIS PLAN RECOMMENDS POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES TO PROHIBIT PONDING OF RUNOFF WHICH MAY CAUSE STRUCTURAL SETTLEMENT. FUTURE ALTERATION OF GRADES ADJACENT TO THE PROPOSED STRUCTURES IS NOT RECOMMENDED.
4. PERFORM GRADING AND EXCAVATION WORK IN COMPLIANCE WITH APPLICABLE SPECIFICATIONS, REQUIREMENTS, CODES AND ORDINANCES OF CITY OF ALBUQUERQUE, NEW MEXICO.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF OR OBTAINING EXCESS CUT OR FILL MATERIAL REQUIRED FOR FINAL GRADE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH NEW MEXICO ONE CALL PRIOR EXCAVATION.
7. CLEAR AND GRUBBING PER NM APWA SECTION 201 SPECIFICATION.
8. SPOT ELEVATIONS ARE TO FINISH GRADE UNLESS NOTED OTHERWISE.
9. THE CONTRACTOR SHALL CONFINE THEIR WORK TO WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION, LANDSCAPING, AND PRIVATE PROPERTY. APPROVAL OF THESE PLANS DOES NOT GIVE OR IMPLY ANY PERMISSION TO TRESPASS OR WORK ON PRIVATE PROPERTY. PERMISSION MUST BE GRANTED IN WRITING BY THE OWNER OF THAT PROPERTY.
10. CONTRACTOR TO CLEAN UP SEDIMENT AND DEBRIS ON THE STREET, WHICH IS CAUSED BY CONSTRUCTION, AT THE END OF EACH WORK DAY. TEMPORARY DIRT RAMPS ARE NOT TO BE LEFT IN STREETS OR NEAR CURB.

SLOPE STABILIZATION NOTE:

STABILIZE EXISTING SLOPES PER THE FOLLOWING CRITERIA AS LISTED BELOW AND IN PART 6-4(E) MEANS OF EROSION CONTROL OF CITY OF ALBUQUERQUE'S DEVELOPMENT PROCESS MANUAL.

- SLOPES BETWEEN 3H:1V TO 4H:1V PROTECT WITH 3/4" OR LARGER ROCK
- SLOPES BETWEEN 2.5H:1V TO 3H:1V PROTECT WITH 1.5" ANGULAR ROCK
- SLOPES BETWEEN 2H:1V TO 2.5H:1V PROTECT WITH 4" MINIMUM ANGULAR HAND-PLACED WITH NO LANDSCAPE FABRIC
- SLOPES BETWEEN 1.5H TO 2H:1V PROTECT WITH 6" OR LARGER ANGULAR STONE HAND PLACED WITH NO LANDSCAPE FABRIC.

EST. UNADJUSTED EARTHWORK VOLUMES (EXCLUDING SUB EXCAVATIONS, SHRINKING AND SWELLING FACTORS)
CUT = 10,070 C.Y.
FILL = 18,770 C.Y.
NET FILL=8,700 C.Y.

PROJECT INFORMATION

BENCHMARK
ALBUQUERQUE SURVEY MONUMENT: ACS BM, 3-N14
NORTHING: 1469185.928 (NMSPC, CENTRAL, NAD 1983)
EASTING: 1522103.492 (NMSPC, CENTRAL, NAD 1983)
ELEVATION: 4958.90' (NAVD 1988, U.S. SURVEY FOOT)

DESCRIPTION
TRACT B PLAT OF TRACTS A, B, C, D & E AIRPORT TECHNICAL CENTER

FLOOD NOTE:
THIS PROPERTY LIES WITHIN FLOOD ZONE X WHICH IS DEFINED AS AN AREA OF MINIMAL FLOOD HAZARD. AS DETERMINED BY F.E.M.A. AND SHOWN ON THE FLOOD INSURANCE RATE MAP DATED SEPTEMBER 26, 2008, MAP NO. 35001C0342G.

SURVEYOR INFORMATION
TOPOGRAPHIC SURVEY PERFORMED OCTOBER AND NOVEMBER 2023 BY OTHERS.

LEGEND

- APPARENT PROPERTY BOUNDARY
- - - APPARENT ADJOINER PROPERTY LINE
- PROPERTY CORNER
- ROOF FLOW DIRECTION
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING OVERHEAD ELECTRIC
- EXISTING STORM DRAIN
- EXISTING SEWER LINE
- EXISTING WATER LINE
- POND CONTOUR
- NEW STORM LINE
- NEW RETAINING WALL
- RTW RETAINING WALL
- M.H. MANHOLE
- E.G. EXISTING GRADE
- F.G. FINISH GRADE

CONSTRUCTION NOTES:

- 1 EXISTING ASPHALT.
- 2 EXISTING CONCRETE.
- 3 NEW ASPHALT.
- 4 NEW CONCRETE.

EVENT CENTER
UNIVERSITY BLVD. S.E.
ALBUQUERQUE, NM

PROJECT NAME

BY	DESCRIPTION	DATE	REV.

PROJECT NO: 24001
DESIGNED BY: RJF
DRAWN BY: JB
CHECKED BY: RJF
DATE: MAY 2024
SHEET TITLE

GRADING PLAN

SHEET NO:

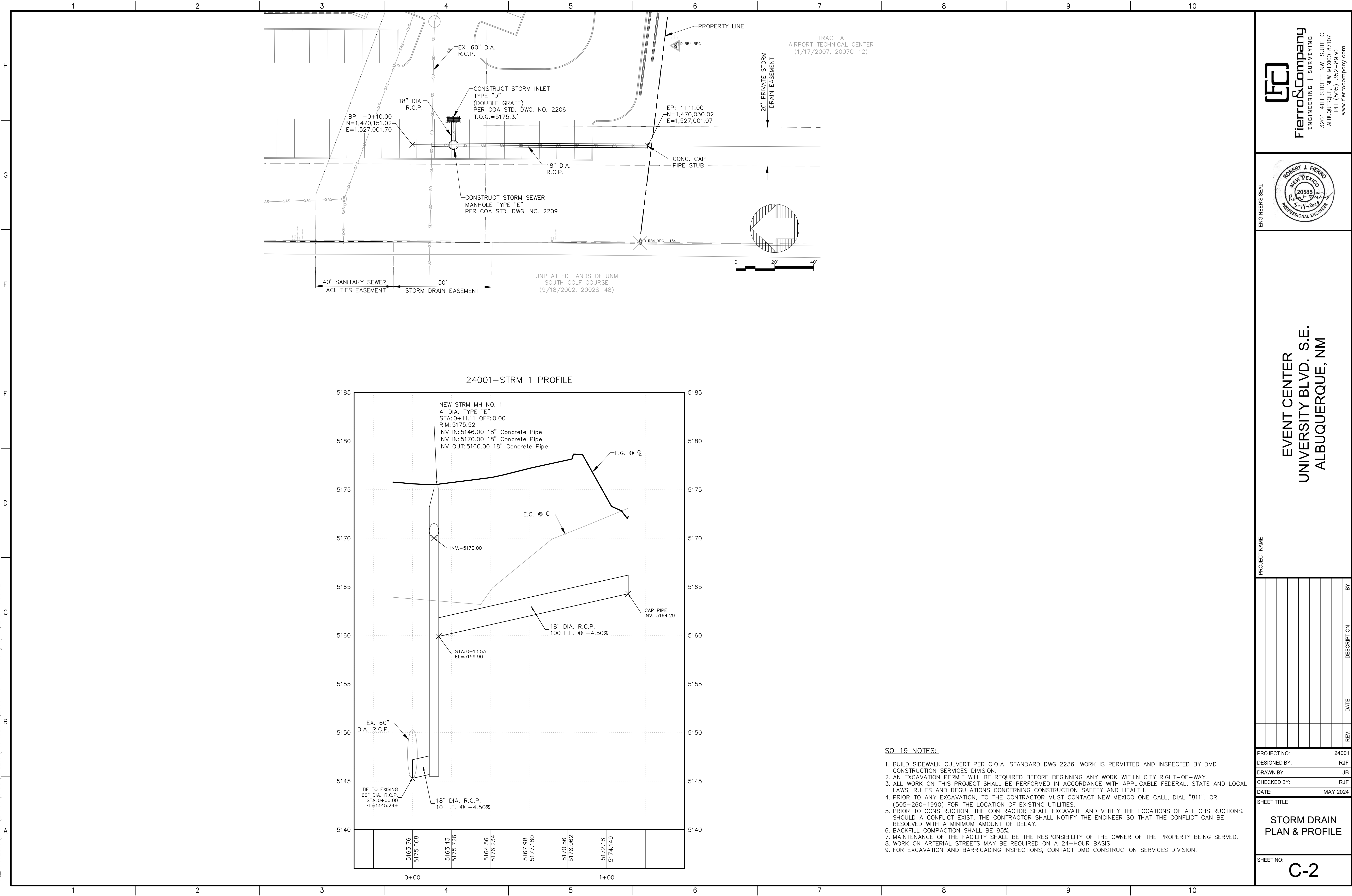
C-1

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ALBUQUERQUE, NM**

PROJECT NAME					PROJECT NO.	
REVISIONS					REV.	DATE
DESCRIPTION					BY	DATE

PROJECT NO: 24001

DESIGNED BY: RJF

DRAWN BY: JB

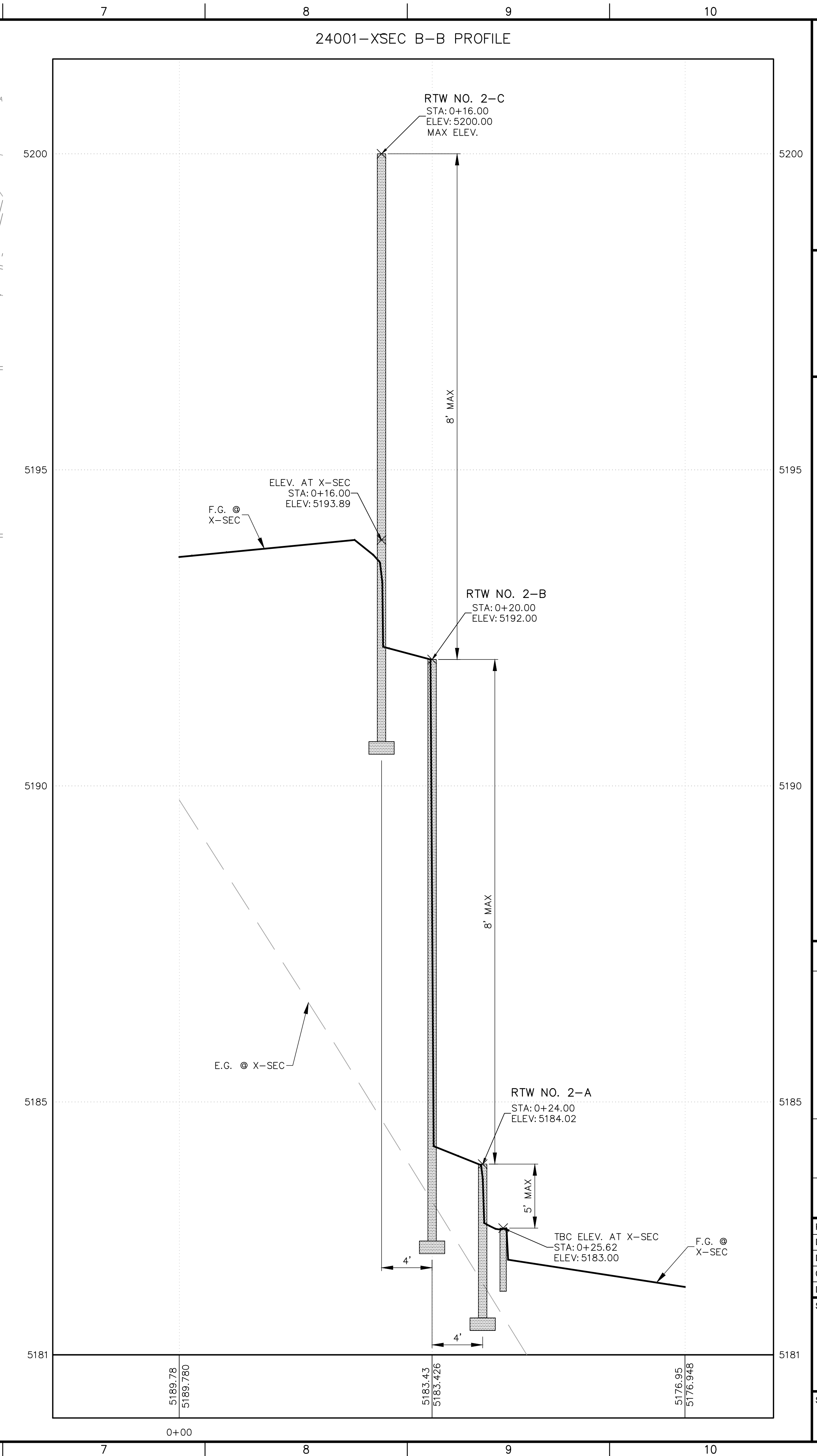
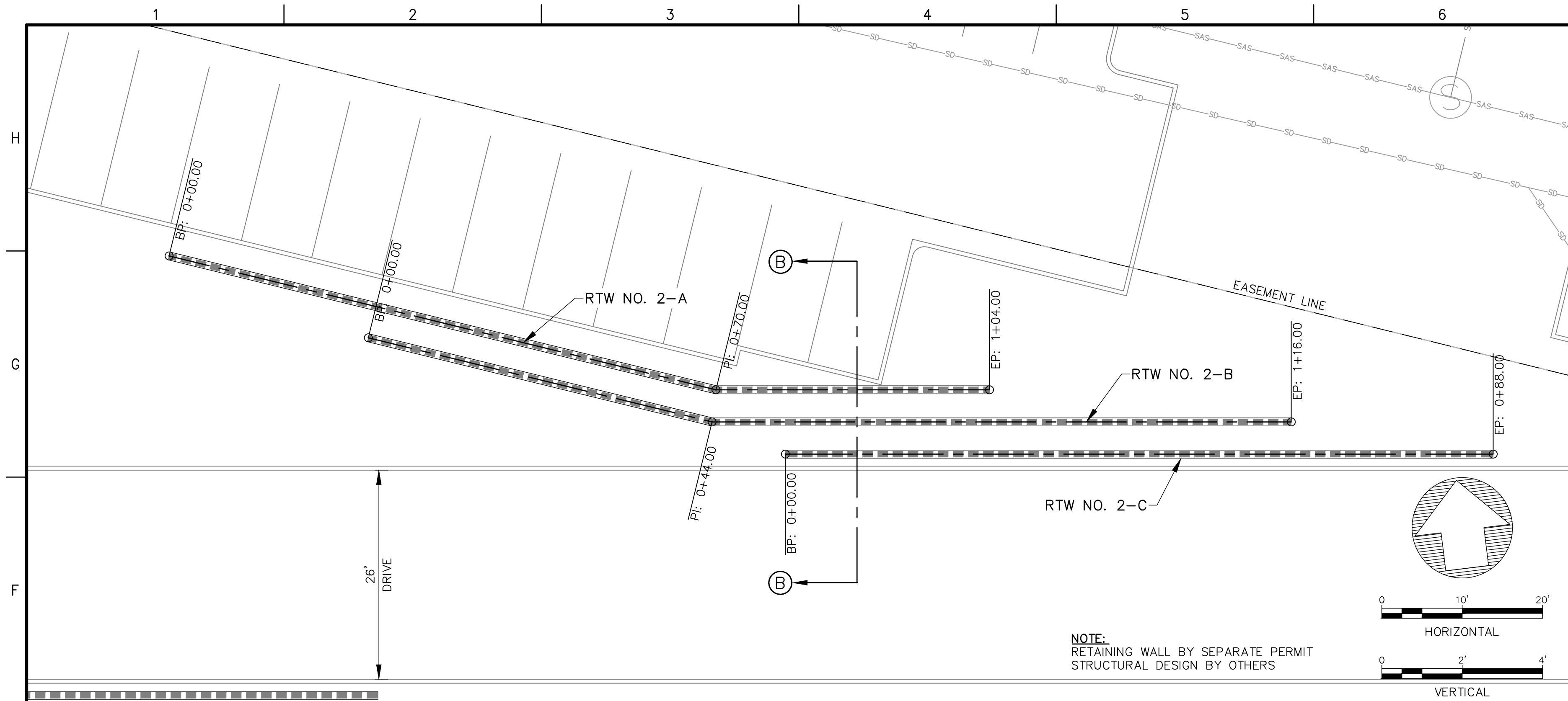
CHECKED BY: RJF

DATE: MAY 2024

SHEET TITLE

STORM DRAIN PLAN & PROFILE

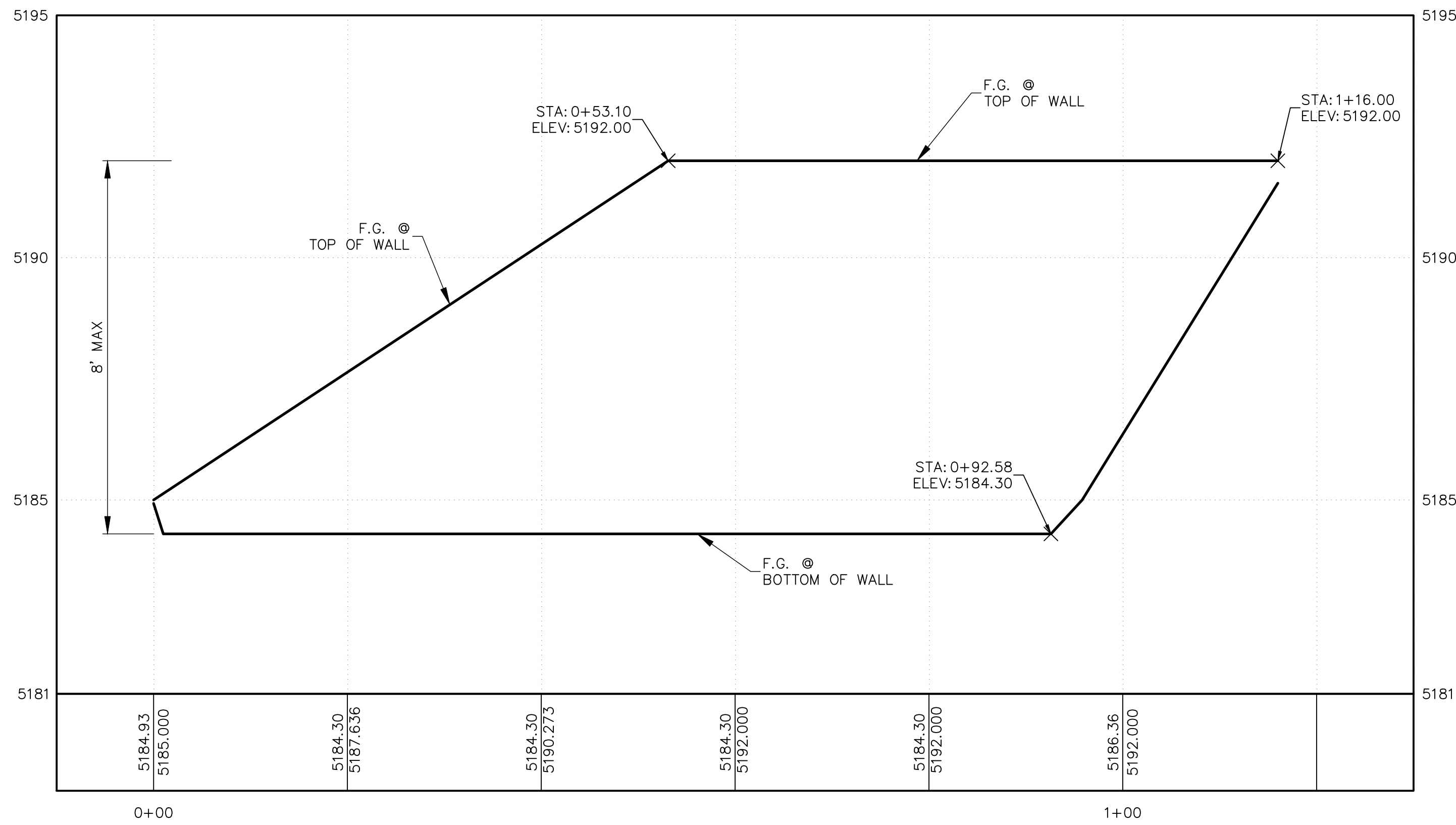
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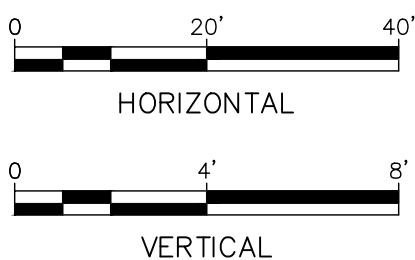
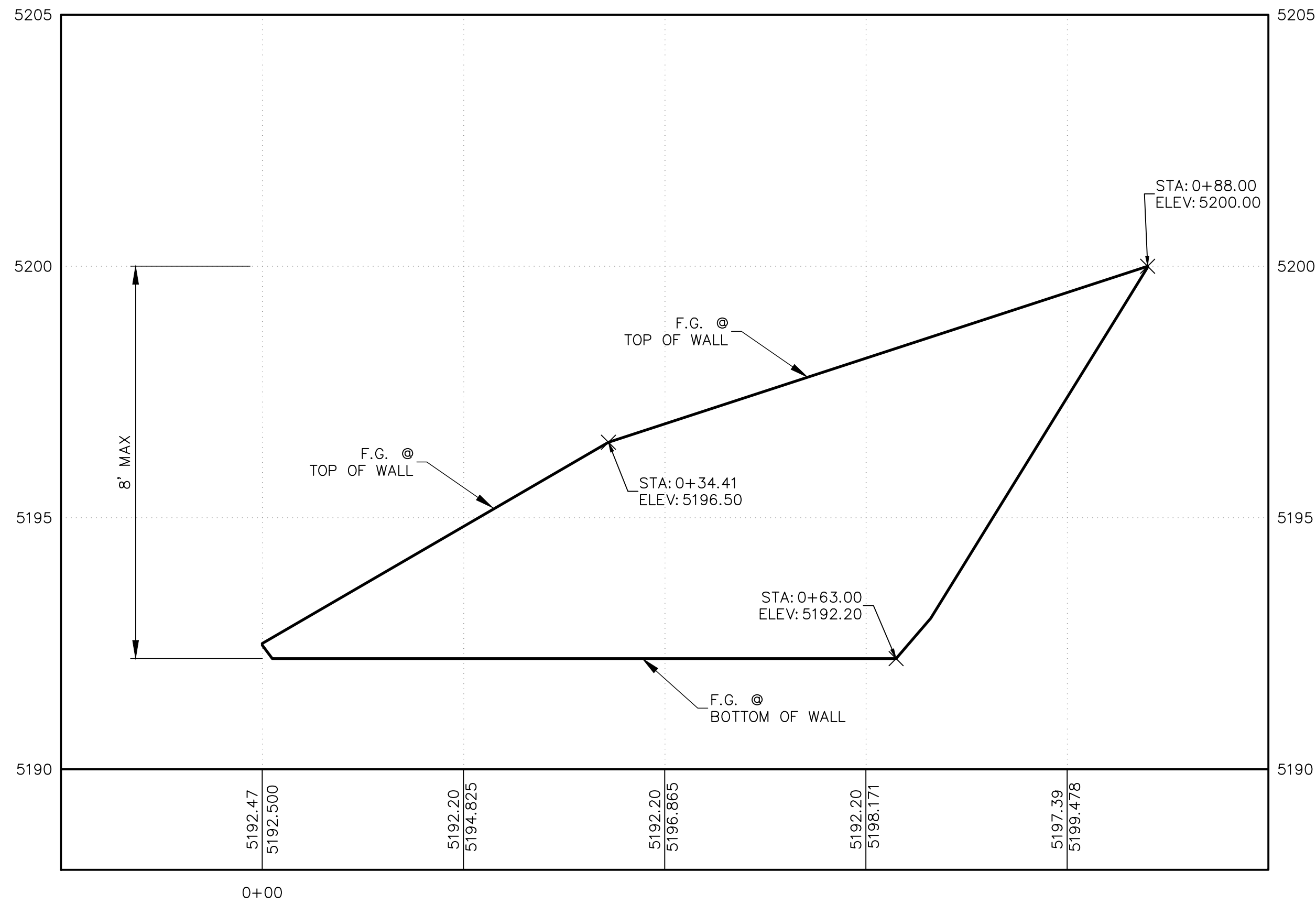
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B
A

24001-RTW 2-B PROFILE



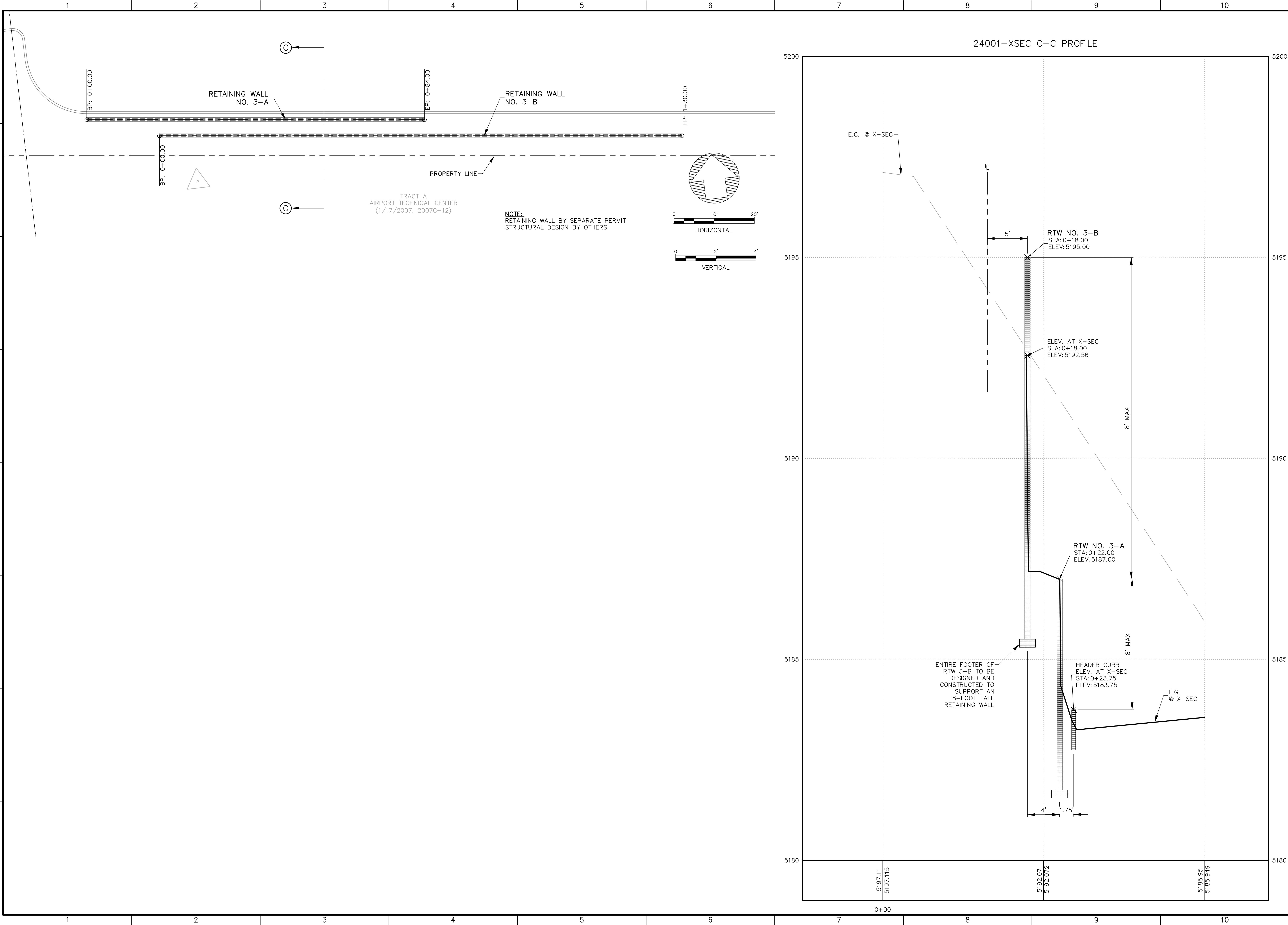
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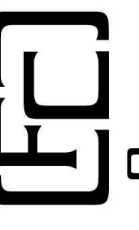


REV.	DATE	DESCRIPTION	BY

PROJECT NO:	24001
DESIGNED BY:	RJF
DRAWN BY:	JB
CHECKED BY:	RJF
DATE:	MAY 2024

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PROJECT NAME
EVENT CENTER
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ALBUQUERQUE, NM

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 24001
DESIGNED BY: R/JF
DRAWN BY: JB
CHECKED BY: R/JF
DATE: MAY 2024

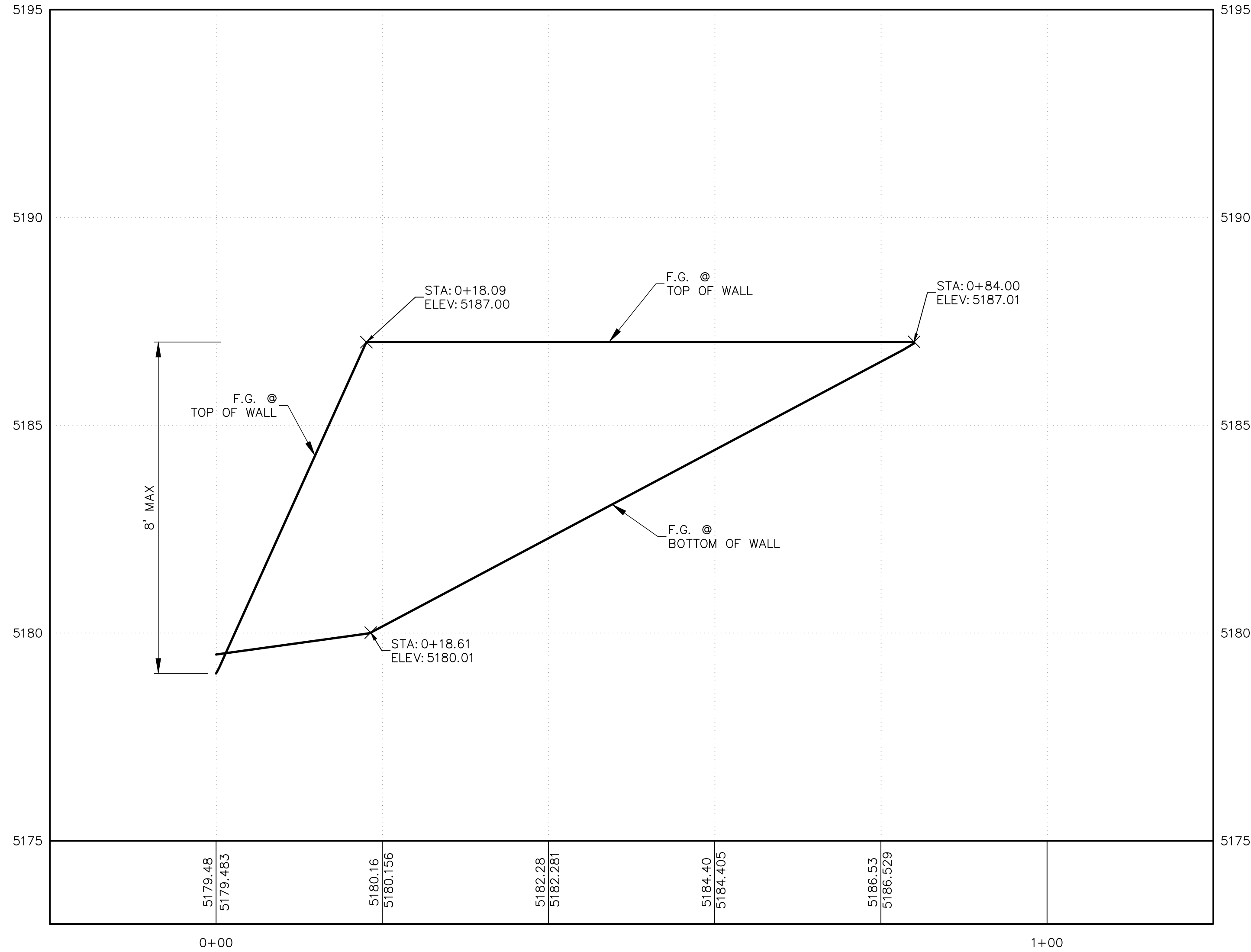
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RETAINING WALL
NO. 3
PLAN & PROFILE

SHEET NO:
C-7

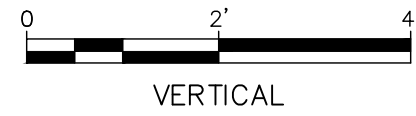
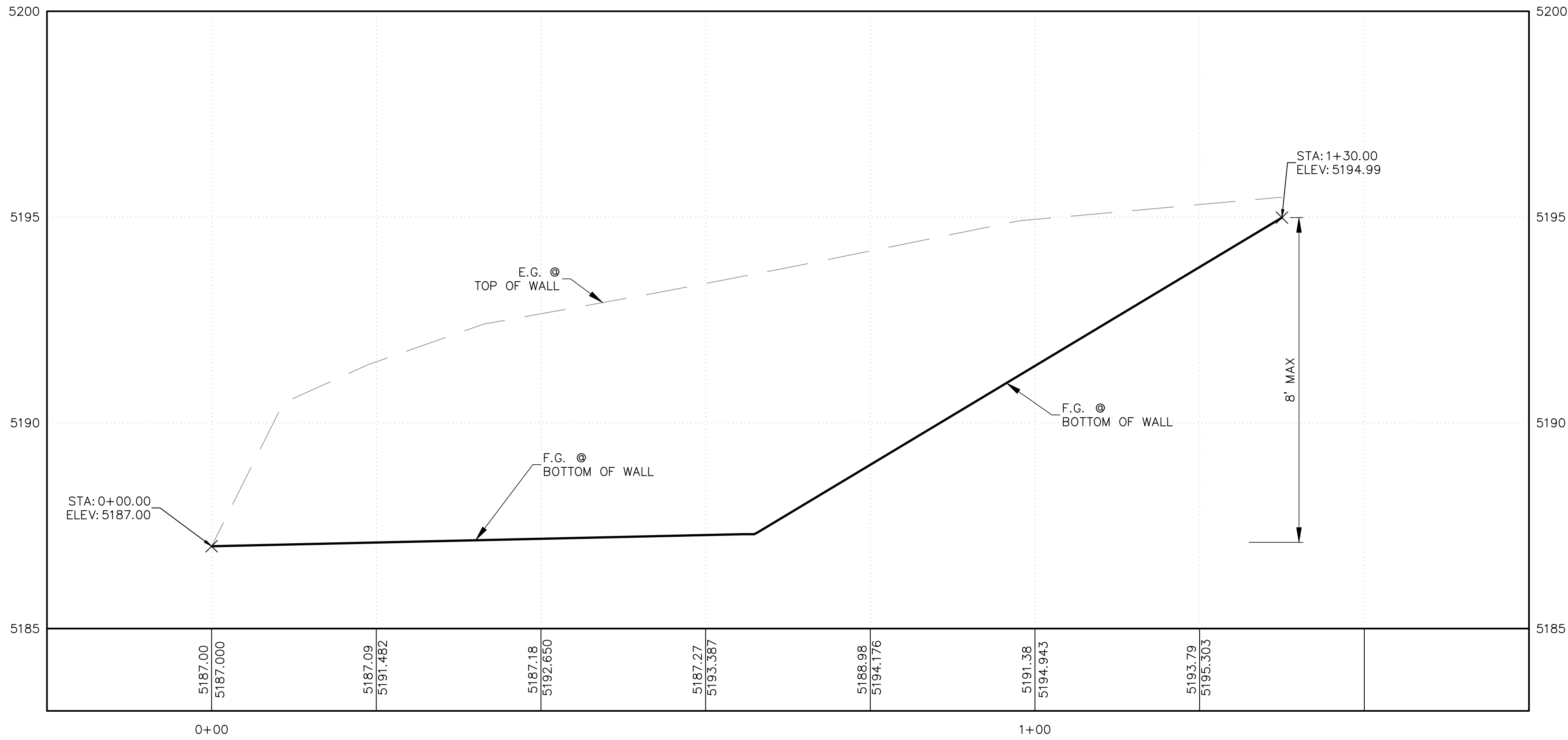
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24001-RTW 3-A PROFILE



24001-RTW 3-B PROFILE





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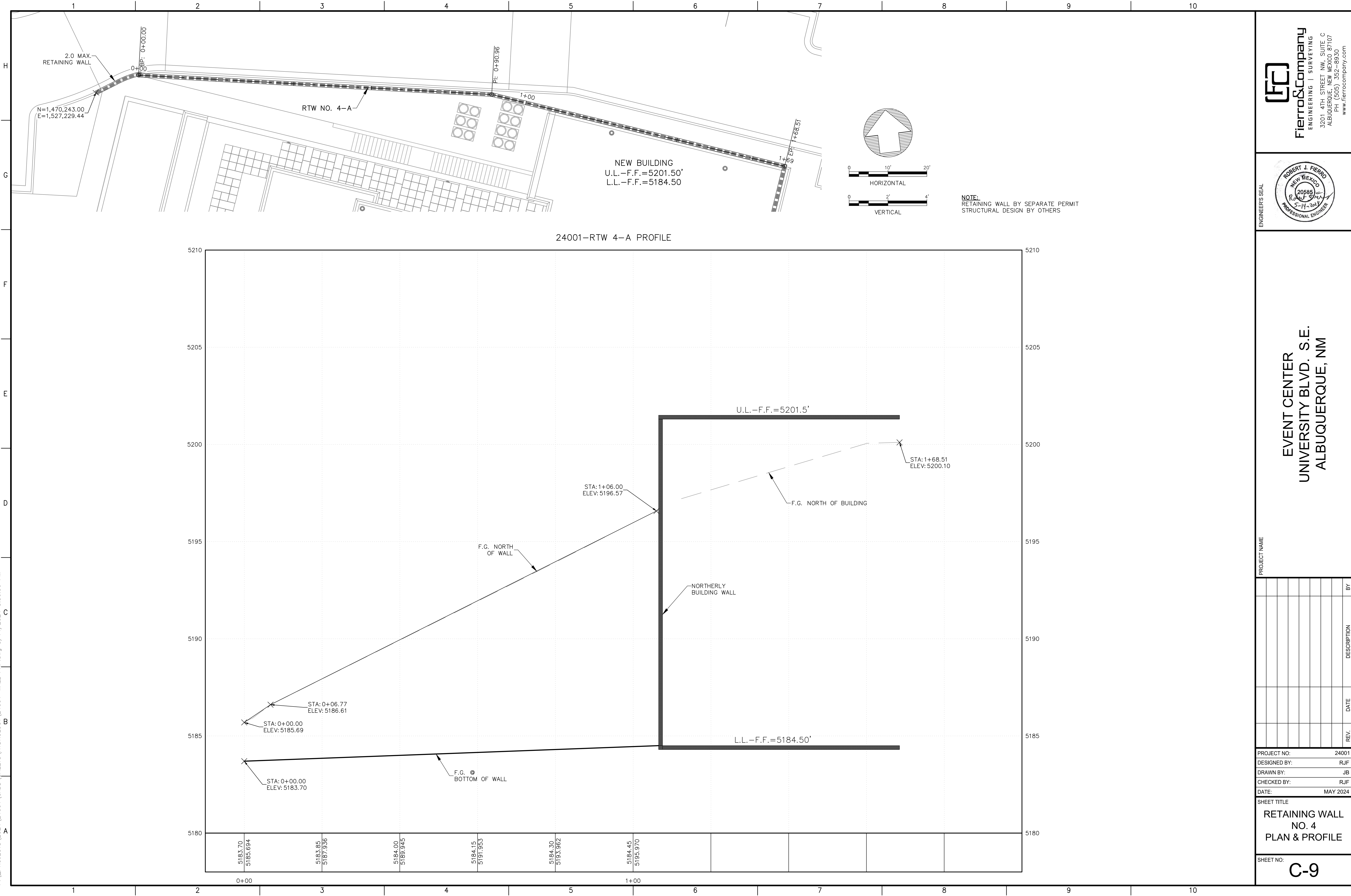
PROJECT NAME				
BY	DESCRIPTION	DATE	REV.	DATE

PROJECT NO:	24001
DESIGNED BY:	RJF
DRAWN BY:	JB
CHECKED BY:	RJF
DATE:	MAY 2024

SHEET TITLE
RETAINING WALL
NO. 3
PLAN & PROFILE

SHEET NO:
C-8

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PROJECT NAME

REV.	DATE	DESCRIPTION	BY

PROJECT NO: 24001

DESIGNED BY: RJF

DRAWN BY: JB

CHECKED BY: RJF

DATE: MAY 2024

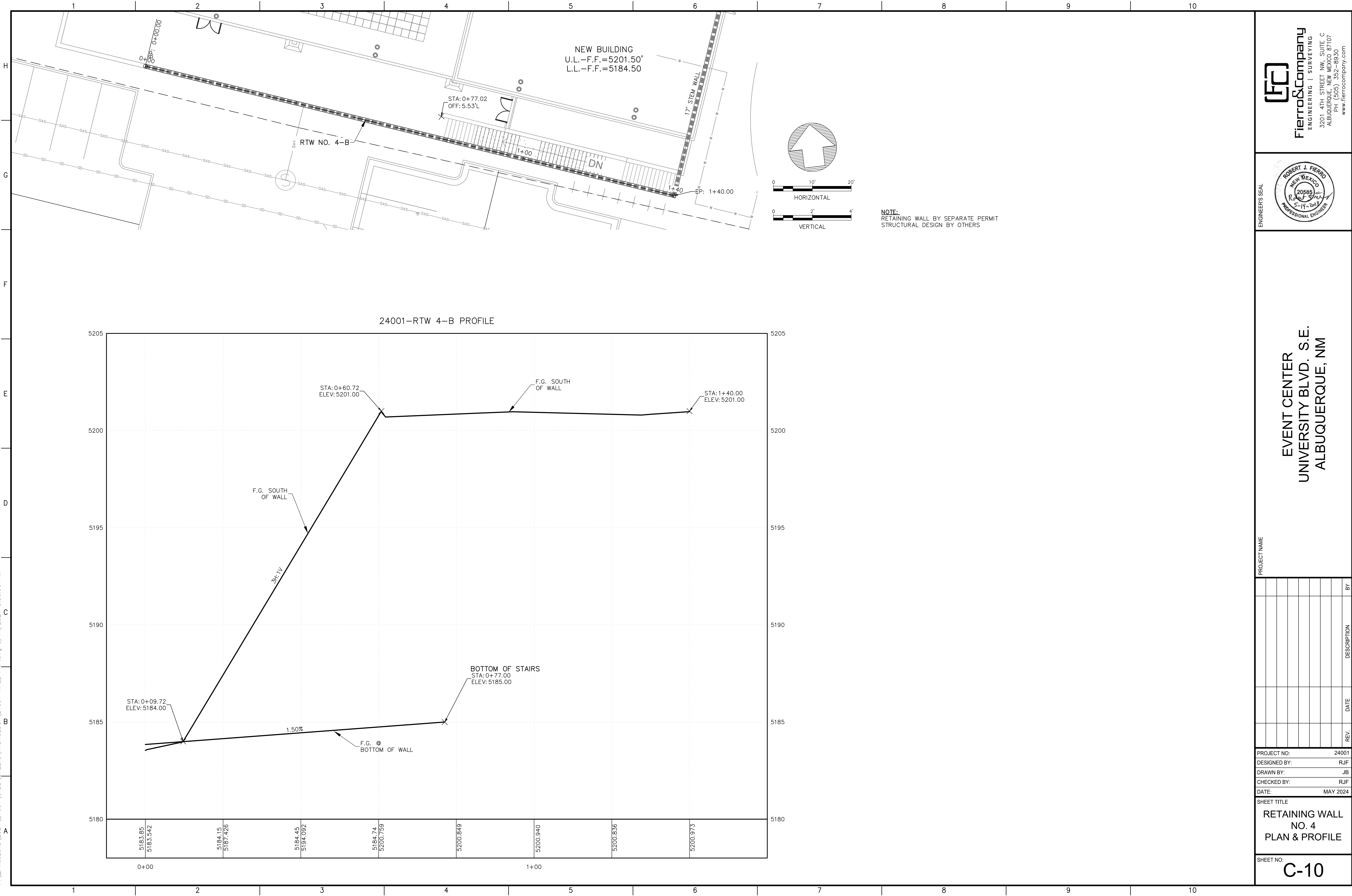
SHEET TITLE

**RETAINING WALL
NO. 4
PLAN & PROFILE**

SHEET NO:

C-9

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REV.	DATE	DESCRIPTION	BY

PROJECT NO: 24001

DESIGNED BY: RJF

DRAWN BY: JB

CHECKED BY: RJF

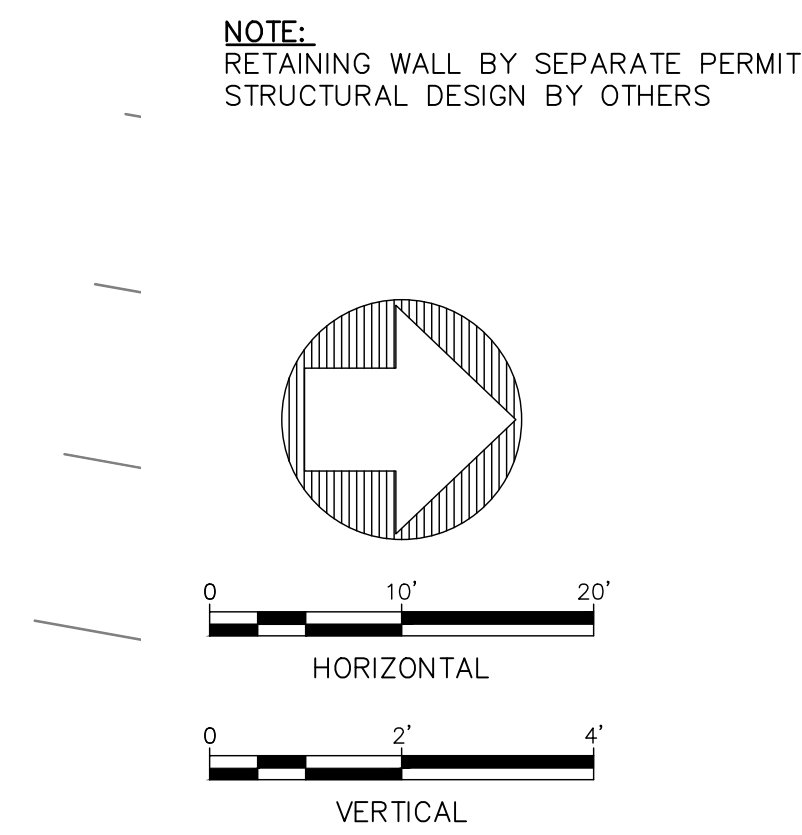
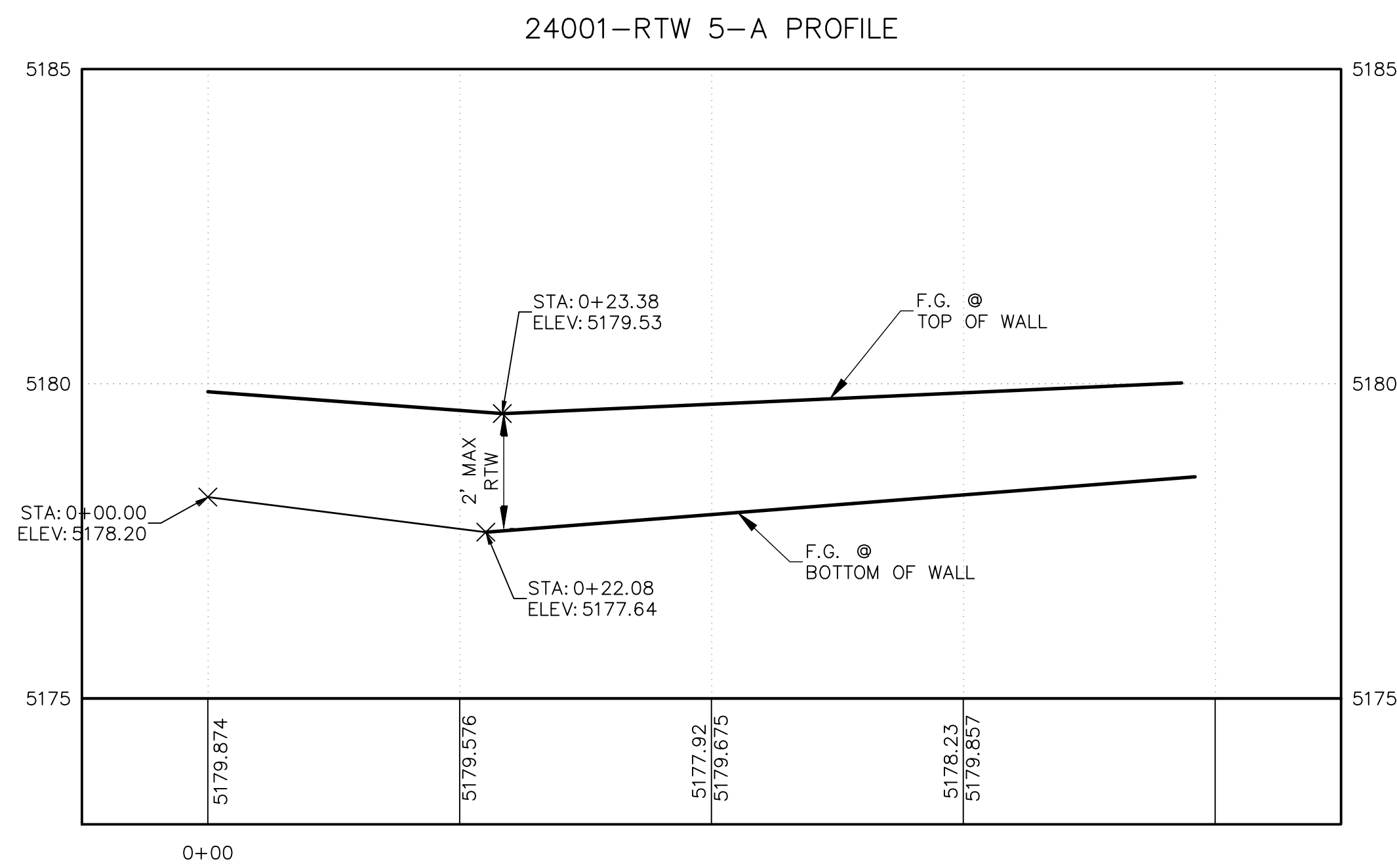
DATE: MAY 2024

SHEET TITLE

RETAINING WALL
NO. 4
PLAN & PROFILE

SHEET NO:

C-10

[illegible]

PROJECT NO:	24001
DESIGNED BY:	RJF
DRAWN BY:	JB
CHECKED BY:	RJF
DATE:	MAY 2024

SHEET TITLE

RETAINING WALL
NO. 5
PLAN & PROFILE

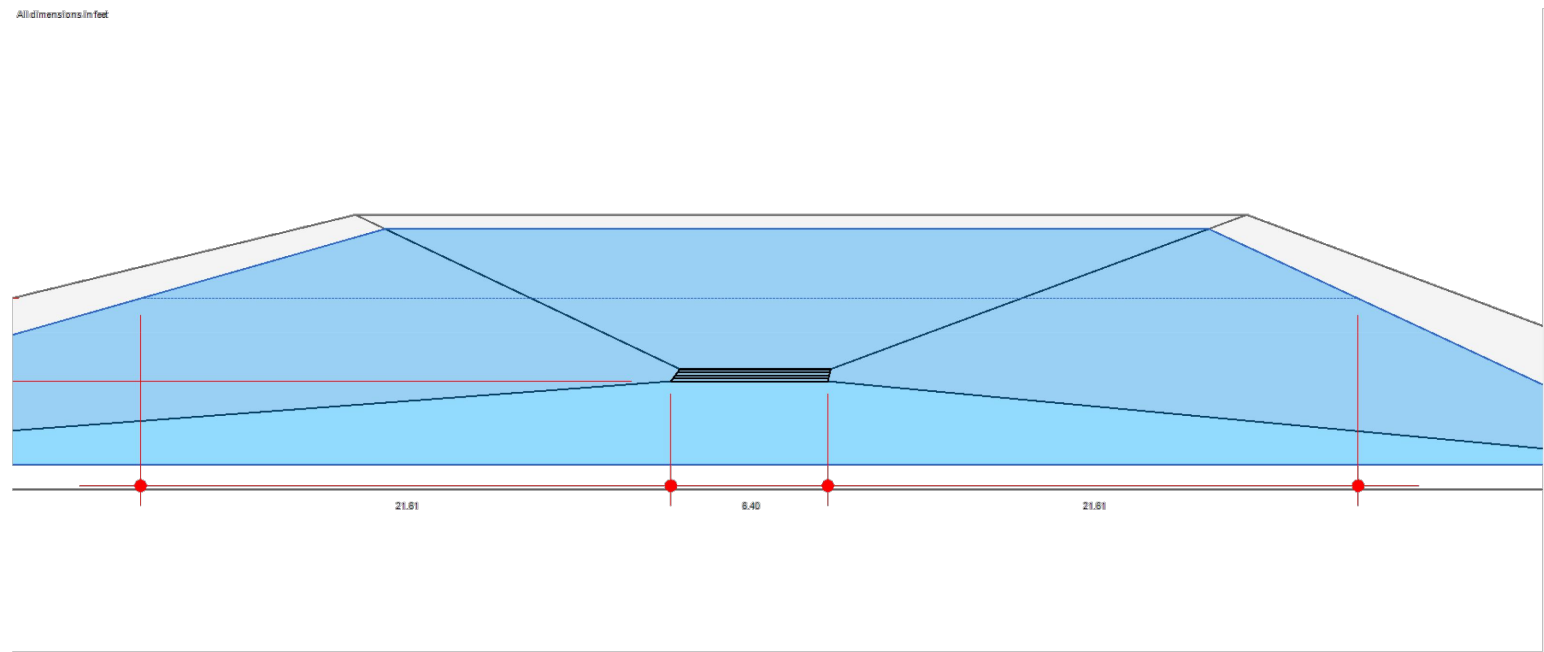
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Inlet Report

Hydrflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Tuesday, May 14 2024

STORM INLET TYPE D (DOUBLE GRATE)

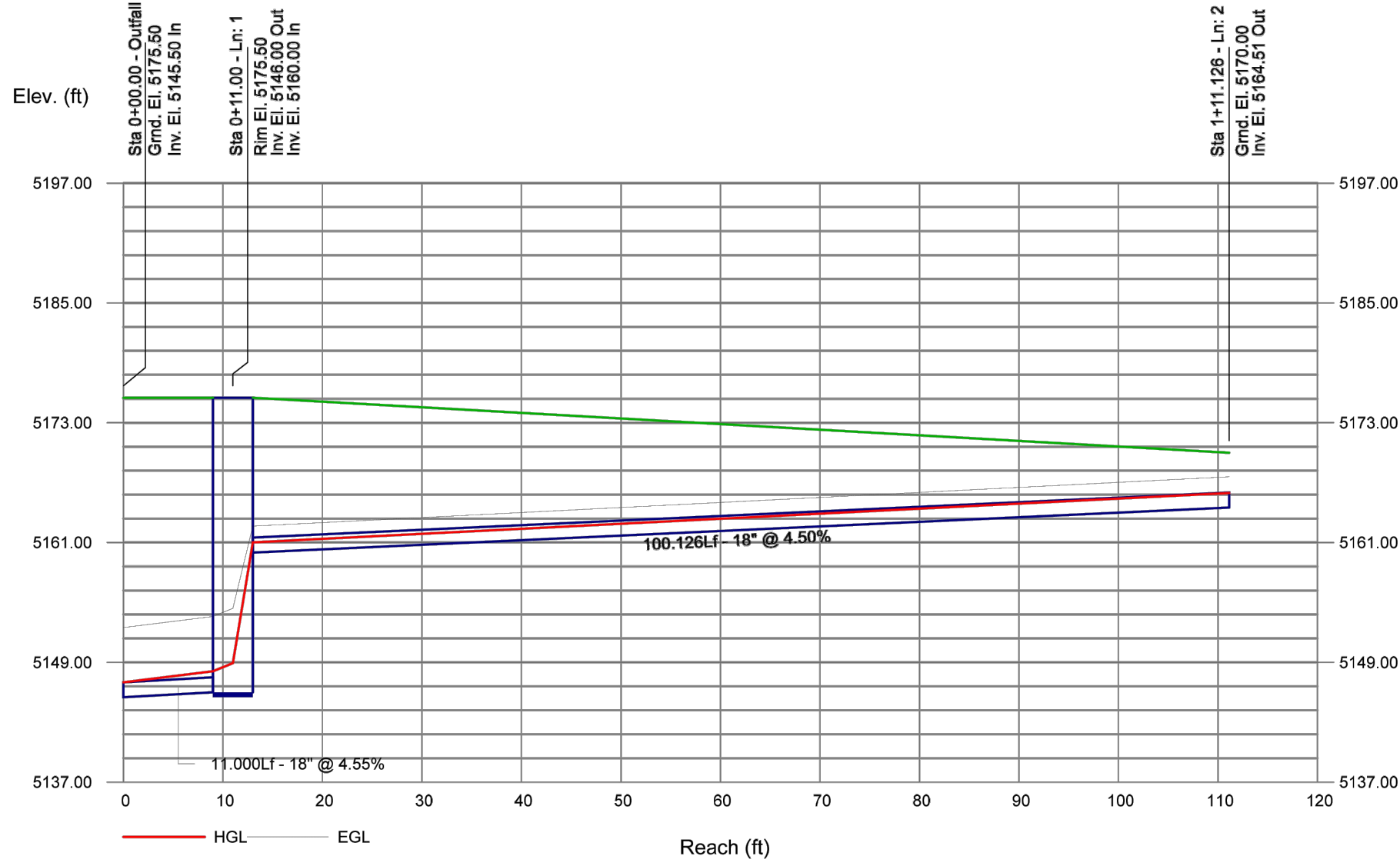
Drop Grate Inlet		Calculations	
Location	= Sag	Compute by:	Known Q
Curb Length (ft)	= -0-	Q (cfs)	= 14.50
Throat Height (in)	= -0-		
Grate Area (sqft)	= 7.44	Highlighted	
Grate Width (ft)	= 6.40	Q Total (cfs)	= 14.50
Grate Length (ft)	= 2.10	Q Capt (cfs)	= 14.50
		Q Bypass (cfs)	= -0-
		Depth at Inlet (in)	= 5.19
		Efficiency (%)	= 100
Gutter		Gutter Spread (ft)	= 49.62
Slope, Sw (ft/ft)	= 0.020	Gutter Vel (ft/s)	= -0-
Slope, Sx (ft/ft)	= 0.020	Bypass Spread (ft)	= -0-
Local Depr (in)	= -0-	Bypass Depth (in)	= -0-
Gutter Width (ft)	= 6.40		
Gutter Slope (%)	= -0-		
Gutter n-value	= -0-		



INLET ANALYSIS

Storm Sewer Profile

Proj. file: 24001-STRM PIPE DESIGN.stm



Storm Sewer Summary Report

Page 1

Line No.	Line ID	Flow rate (cfs)	Line Size (in)	Line shape	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line Slope (%)	HGL Down (ft)	HGL Up (ft)	Minor loss (ft)	HGL Junct (ft)	Dns Line No.	Junction Type
1		33.20	18	Cir	11.000	5145.50	5146.00	4.545	5147.00*	5148.10*	0.82	5148.93	End	Manhole
2		17.90	18	Cir	100.126	5160.00	5164.51	4.504	5161.02	5165.96	n/a	5165.96	1	None

24001-STRM PIPE

Number of lines: 2

Run Date: 5/14/2024

NOTES: Known Qs only ; *Surcharged (HGL above crown).

REV.	DATE	DESCRIPTION	BY

PROJECT NO:	24001
DESIGNED BY:	RJF
DRAWN BY:	JB
CHECKED BY:	RJF
DATE:	MAY 2024

SHEET TITLE
DRAINAGE PLAN

SHEET NO:
D-2