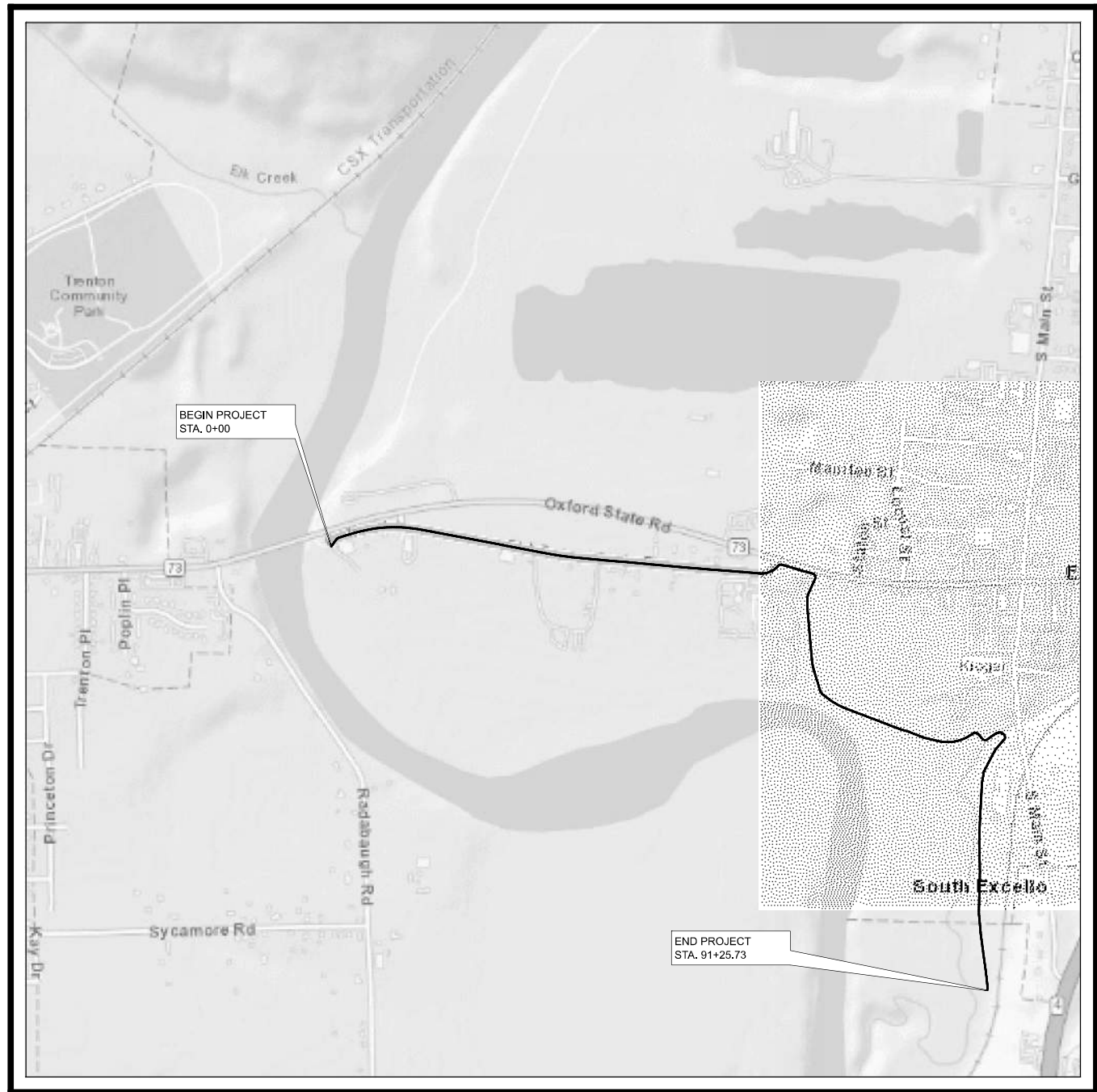
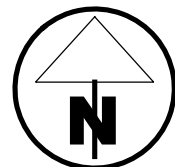




LOCATION MAP

LATITUDE: 39°28'53" LONGITUDE: -84°25'38"



PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	=====

DESIGN DESIGNATION

CURRENT ADT (20)	Per the Ellis project schedule: current year = 2028
DESIGN YEAR ADT (20)	design year = 2048
DESIGN HOURLY VOLUME (20)	
DIRECTIONAL DISTRIBUTION	
TRUCKS (24 HOUR B&C)	
DESIGN SPEED	12 MPH
LEGAL SPEED	
DESIGN FUNCTIONAL CLASSIFICATION:	

NHS PROJECT

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig


Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
CIVIL AND ENVIRONMENTAL CONSULTANTS, INC.
8800 LYRA DRIVE, SUITE 300
COLUMBUS, OH 43240

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

This is an ODOT let project. The project name in the plans shall match the project name in Ellis:
BUT GMR Trail Middletown-Monroe

GREAT MIAMI RIVER TRAIL

City

VILLAGE OF MIDDLETOWN

Lemon Township

BUTLER COUNTY

INDEX OF SHEETS:

COVER SHEET	P.1
SCHEMATIC PLAN	P.2
TYPICAL SECTIONS	P.3
GENERAL NOTES	P.4
GENERAL SUMMARY	P.5
PLAN AND PROFILE	P.6-P.24
CROSS SECTIONS	P.25-P.69

Retaining wall details have not been provided. Need plan views, wall profiles, typical sections, plan notes & details. Required at stage 3.

Geotechnical report and soil profiles have not been provided to date. Both will be required at stage 3 submission.

If I remember correctly from meetings, the consultant was able to show a no-rise for the crossing of Dick's Creek. I do not recall seeing the H&H report showing this. Please submit for review.

A drainage report is needed with ditch calculations, BMP calculations, culvert calculations (most trails include culverts).

Per the MDG, 12mph is typically used for unpaved path surfaces where bicyclists will reduce their speeds.

Per the scope of work, the design speed for the proposed SUP is 18 mph.

REVIEW COMPLETE		
PM	D. Mathew Repasky, P.E., 07/27/2026	
BRIDGES	R. Scott Kramer, 07/02/2026	No Comments
CONSTRUCT	Alexander Bair, P.E. 7/21/2026	
DRAINAGE	Tami Brehm, P.E. 08/07/2026	
ENVIRON	Taylor DeGroote, E.I. 07/21/2026	
GEOTECH	Casey Carriere, P.E. 7/15/2026	
ITS		
MOT	Alex Genbauffe, P.E. 07/24/2026	
PAVEMENT	Jennifer Elston, P.E. 07/05/2026	
ROADWAY	John Otis, P.E. 08/06/2026	
R/W	James Zeller 07/21/202	
SURVEY	Bill Helmick, P.S. 07/20/2026	
TRAFFIC	Teri C. Scanlon, P.E. 07/20/2026	
UTILITIES	Chris Bass, 07/29/2026	
OTHER	Tom Mazza, 07/29/2026	
OTHER		

FEDERAL PROJECT NUMBER

E250460

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

CONSTRUCTION OF A 1.6-MILE PAVED MULTI-USE TRAIL THAT CONNECTS COMMUNITIES ALONG THE GREAT MIAMI RIVER THROUGH BUTLER COUNTY, DAYTON, AND NORTH THROUGH MIAMI COUNTY. THIS TRAIL IS PART OF PLANNED US BICYCLE ROUTE 25.

This information needs filled out.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

Add MOT endorsement

Confirm this is accurate.

Doug Gruver, P.E., District 8, Deputy Director

Pamela Boratyn
Director, Department of Transportation

Include notification to the contractor that the Miami Conservancy District has granted MetroParks of Butler County permit 16-3865-1 with the following conditions:

Any land disturbing activity on MCD property involving the services of a contractor will require that the contractor contact MCD to acquire a MCD Construction Permit prior to doing any work on MCD property.

Whenever the employees, agents, or contractors of said Grantee enter upon MCD property, for the purpose of maintaining, modifying, repairing or removing any structures and/or improvements as described within this Permit, the Grantee AGREES all operations will be confined to a reasonable area adjacent to said structures and/or improvements.

Permit must be reviewed for other conditions & restrictions imposed on contractor to protect MetroParks' compliance with the permit. Certain conditions, such as prohibition of vehicles on the levee, may require clarification to ensure construction of project as proposed is feasible.

DESIGN AGENCY



Civil & Environmental
Consultants, Inc.

8800 Lyra Dr.
Columbus, OH 43240
Ph: 614.540.6633
www.cecinc.com

DESIGNER

TKA

REVIEWER

JH 06-30-26

PROJECT ID

119064

SHEET

P.1

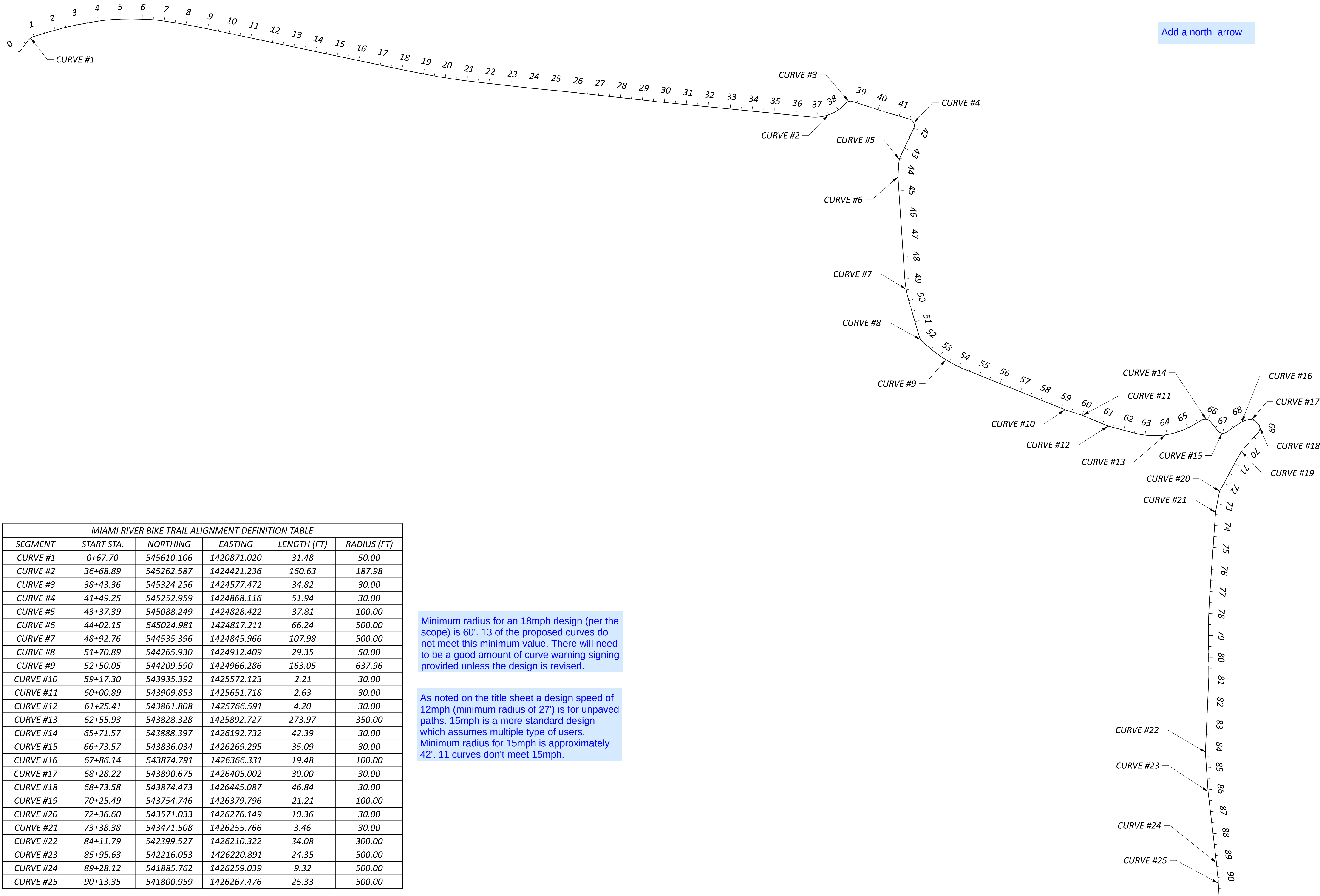
TOTAL

69

MIAMI RIVER BIKE TRAIL ALIGNMENT DEFINITION TABLE					
SEGMENT	START STA.	NORTHING	EASTING	LENGTH (FT)	RADIUS (FT)
CURVE #1	0+67.70	545610.106	1420871.020	31.48	50.00
CURVE #2	36+68.89	545262.587	1424421.236	160.63	187.98
CURVE #3	38+43.36	545324.256	1424577.472	34.82	30.00
CURVE #4	41+49.25	545252.959	1424868.116	51.94	30.00
CURVE #5	43+37.39	545088.249	1424828.422	37.81	100.00
CURVE #6	44+02.15	545024.981	1424817.211	66.24	500.00
CURVE #7	48+92.76	544535.396	1424845.966	107.98	500.00
CURVE #8	51+70.89	544265.930	1424912.409	29.35	50.00
CURVE #9	52+50.05	544209.590	1424966.286	163.05	637.96
CURVE #10	59+17.30	543935.392	1425572.123	2.21	30.00
CURVE #11	60+00.89	543909.853	1425651.718	2.63	30.00
CURVE #12	61+25.41	543861.808	1425766.591	4.20	30.00
CURVE #13	62+55.93	543828.328	1425892.727	273.97	350.00
CURVE #14	65+71.57	543888.397	1426192.732	42.39	30.00
CURVE #15	66+73.57	543836.034	1426269.295	35.09	30.00
CURVE #16	67+86.14	543874.791	1426366.331	19.48	100.00
CURVE #17	68+28.22	543890.675	1426405.002	30.00	30.00
CURVE #18	68+73.58	543874.473	1426445.087	46.84	30.00
CURVE #19	70+25.49	543754.746	1426379.796	21.21	100.00
CURVE #20	72+36.60	543571.033	1426276.149	10.36	30.00
CURVE #21	73+38.38	543471.508	1426255.766	3.46	30.00
CURVE #22	84+11.79	542399.527	1426210.322	34.08	300.00
CURVE #23	85+95.63	542216.053	1426220.891	24.35	500.00
CURVE #24	89+28.12	541885.762	1426259.039	9.32	500.00
CURVE #25	90+13.35	541800.959	1426267.476	25.33	500.00

Minimum radius for an 18mph design (per the scope) is 60'. 13 of the proposed curves do not meet this minimum value. There will need to be a good amount of curve warning signing provided unless the design is revised.

As noted on the title sheet a design speed of 12mph (minimum radius of 27') is for unpaved paths. 15mph is a more standard design which assumes multiple type of users. Minimum radius for 15mph is approximately 42'. 11 curves don't meet 15mph.



HORIZONTAL
SCALE IN FEET

0

100

200

400

DESIGN AGENCY



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TKA

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SHEET

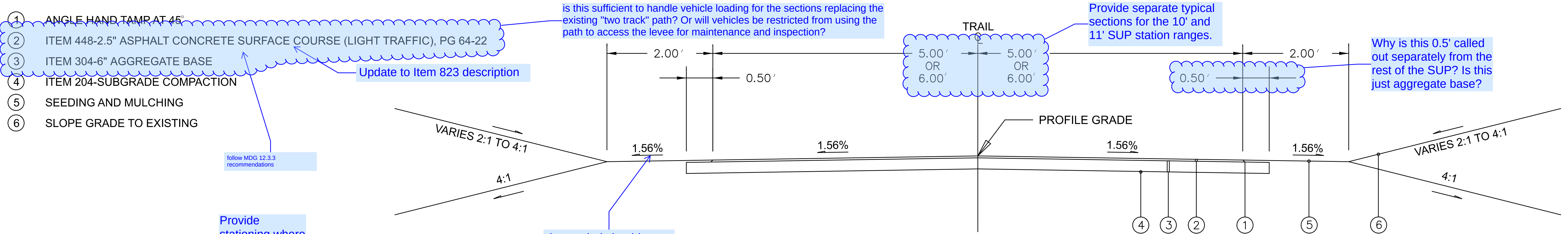
P.2

TOTAL

69

SCHEMATIC PLAN

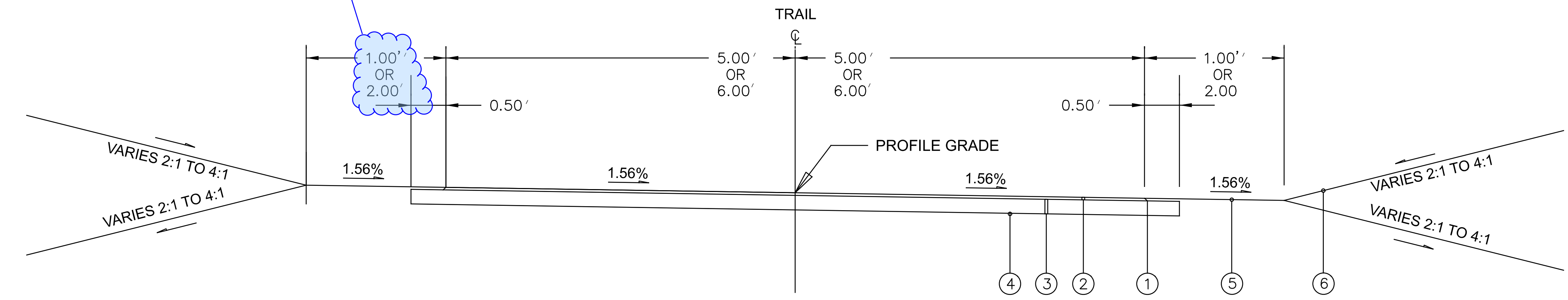
GREAT MIAMI RIVER TRAIL



TYPICAL 10' TRAIL SECTION - NORMAL CROWN

SCALE = 1"=1'

STA 66+00.00 - 68+28.22
STA 80+86.51 - 90+80.56

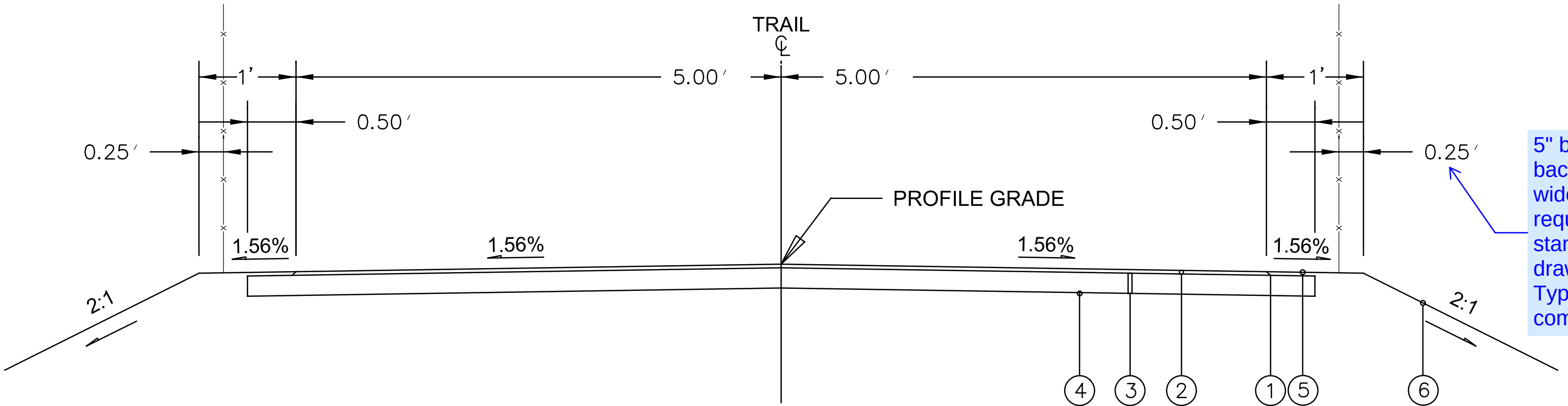


TYPICAL 10'/11' TRAIL SECTION - SUPERELEVATED

SCALE = 1"=1'

STA 38+04.33 - 44+46.53*
STA 44+51.53 - 52+00.00*
STA 52+15.00 - 65+89.50**

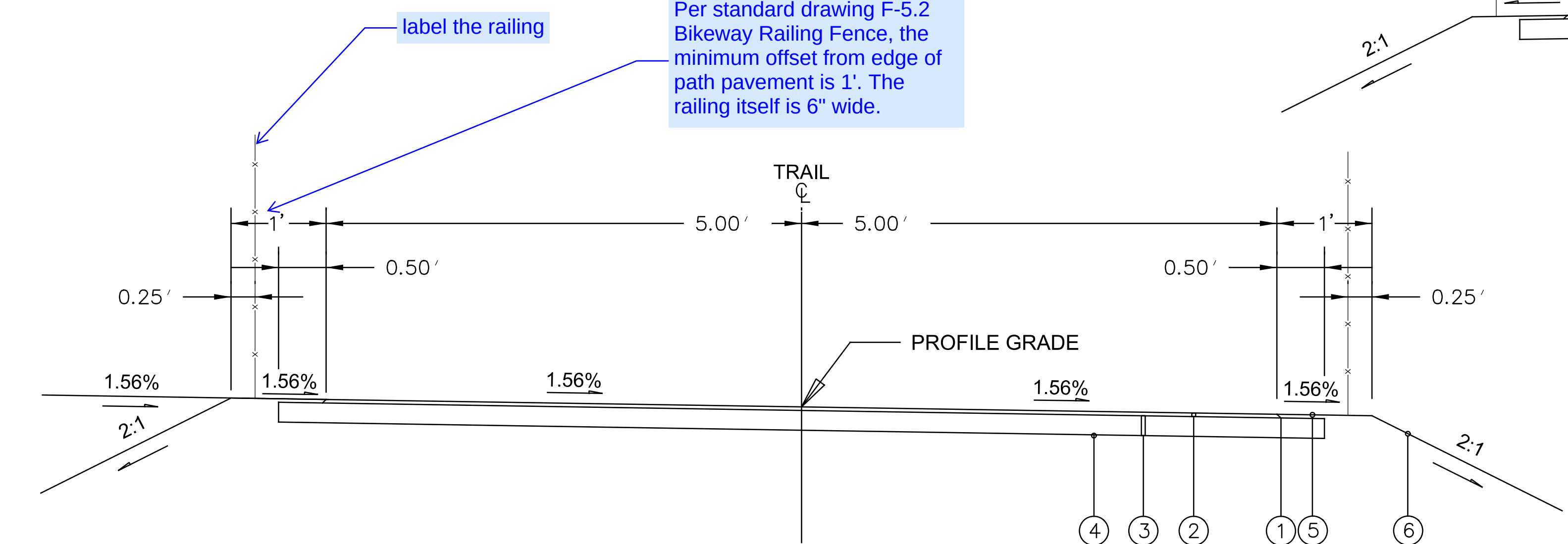
* 11' WIDE WITH 1' SHOULDER
** 10' WIDE WITH 2' SHOULDER



TYPICAL 10' TRAIL SECTION ON LEVEE - NORMAL CROWN

SCALE = 1"=1'

STA 68+86.61 - 69+51.17
STA 71+80.00 - 80+46.39



TYPICAL 10' TRAIL SECTION ON LEVEE - SUPERELEVATED RT

SCALE = 1"=1'

STA 69+51.17 - 71+64.73

NOTES

- 1 WHEN SLOPES ADJACENT TO TRAIL ARE GREATER THAN 4:1, BIKE RAILING SHALL BE INSTALLED

TYPICAL SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY	CEC
Civil & Environmental Consultants, Inc.	
8800 Lyra Dr. Columbus, OH 43240 Ph: 614.540.6633 www.cecinc.com	
DESIGNER	TKA
REVIEWER	JH
DATE	06-30-26
PROJECT ID	119064
SHEET	P.3
TOTAL	69

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN

UTILITIES

are the VFS being placed where there are existing aboveground utilities?

THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOW UNDERGROUND UTILITIES THAT EXIST UNDER, OR ADJACENT TO, THE WORK AREA.

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

EXISTING PLANS

EXISTING PLANS ENTITLED _____ MAY BE INSPECTED IN THE ODOT DISTRICT ____ OFFICE IN _____.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF ____ AND _____. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

SURVEYING PARAMETERS - OHIO STATE PLANE (NORTH/SOUTH) needs completed and control table needed.

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET ____ OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL
POSITIONING METHOD: _____
MONUMENT TYPE: _____

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: _____
GEOID: _____

HORIZONTAL POSITIONING
REFERENCE FRAME: _____
ELLIPSOID: _____
COORDINATE SYSTEM: _____
MAP PROJECTION: _____
PROJECT ADJUSTMENT FACTOR: _____
ORIGIN OF COORDINATE SYSTEM: _____

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. EXCEPT AS INDICATED ON SHEET ____, USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

Special Provisions for Environmental Commitments may be utilized by this project. Taylor will leave a comment in the Stage 3 plan review if this comment will be covered in the SP instead of in the plans

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	_____	_____	_____
30"	_____	_____	_____
48"	_____	_____	_____
60"	_____	_____	_____

Where are trees to be removed shown on plans?

FENCE LENGTHS

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

DRINKING WATER PROTECTION

THIS PROJECT IS LOCATED WITHIN THE DRINKING WATER RESOURCES THE GREATER MIAMI SOLE SOURCE AQUIFER. USE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. DO NOT STORE FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. MAINTAIN A SPILL KIT ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. IMMEDIATELY MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS, THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY.

REPORT ALL SPILLS OR EVENTS TO THE BUTLER COUNTY WATER AND SEWER DEPARTMENT (513) 887-3066. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT THE MONROE FIRE DEPARTMENT STATION 62 (513) 539-8380 OR THE OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR CLEAN-UP OF THE SPILL.

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AD NORTHERN LOG-EARED BAT, NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AN WITH A MINIMUM HEIGHT OF 13 FEET.

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE ~~PROOF ROLLING~~. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.
- COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03. Proof Roll #1 Here
- ~~APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS-SECTIONS AS UNSTABLE SUBGRADE~~. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS. ~~PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06~~.
- EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
- PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.
- FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

Do these areas still need to be labeled? Did not see labels on cross sections

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

ITEM 880 - ASPHALT CONCRETE WITH WARRANTY

INDIVIDUAL LIFT THICKNESSES AND STEP WIDTHS SHOWN IN THE PLAN ARE THE PLAN LINES AND DIMENSIONS USED FOR QUANTITY CALCULATION. THEY ARE NOT THE REQUIRED LIFTS OR STEPS FOR ACTUAL CONSTRUCTION, BUT NO ADJUSTMENT WILL BE MADE TO THE PLAN QUANTITY DUE TO DIFFERENT LIFT THICKNESSES AND/OR STEP WIDTHS WHEN A UNIFORM THICKNESS IS SPECIFIED.

Add Item 614, Maintaining Traffic note. This describes how traffic will be maintained throughout the project, and any lane closures or restrictions. It is typically comprised of TEM notes 642-2 thru 642-12, modified as needed per project details.

Add TEM note 642-58

DESIGN AGENCY



Civil & Environmental Consultants, Inc.

8800 Lyra Dr
Columbus, OH 43240
Ph: 614.540.6633
www.cecinc.com

DESIGNER

TKA

REVIEWER

JH 06-30-26

PROJECT ID

119064

SHEET

P.4

TOTAL

69

BUT-73-17.599

\\svr-fs-cin\projects\340-000\343-449-CADD\DGN\343449 - Great Miami River Trail\400-Engineering\Roadway\Sheets\343-449_General Summary.dgn

[illegible]

DESIGN AGENCY



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DESIGNER

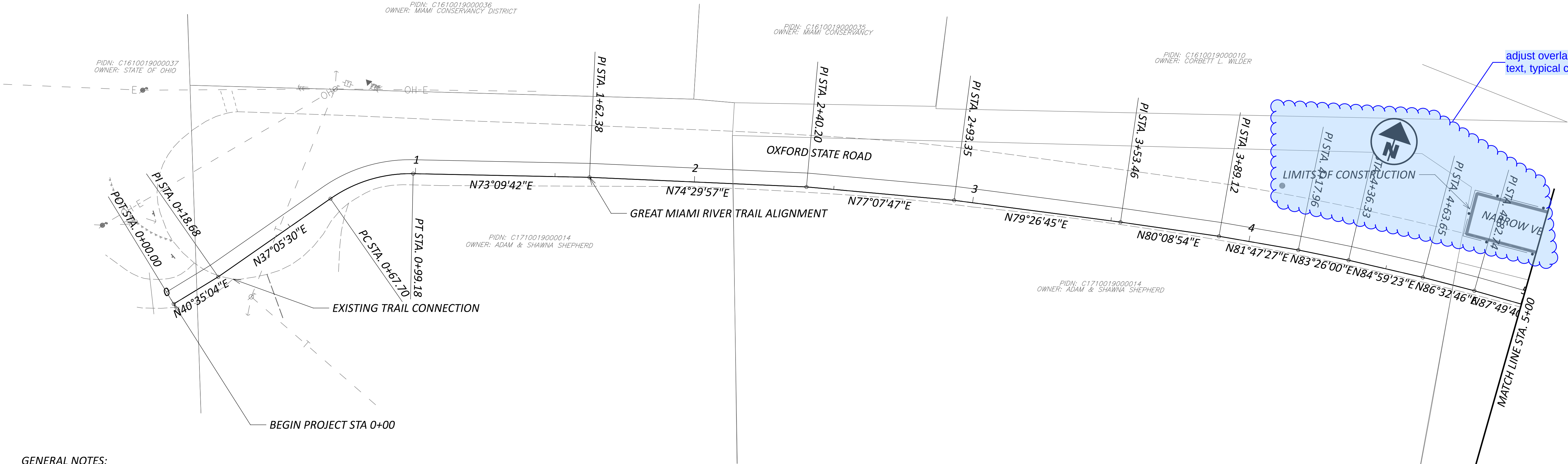
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REVIEWER

JH 06-30-26

PROJECT ID	119064
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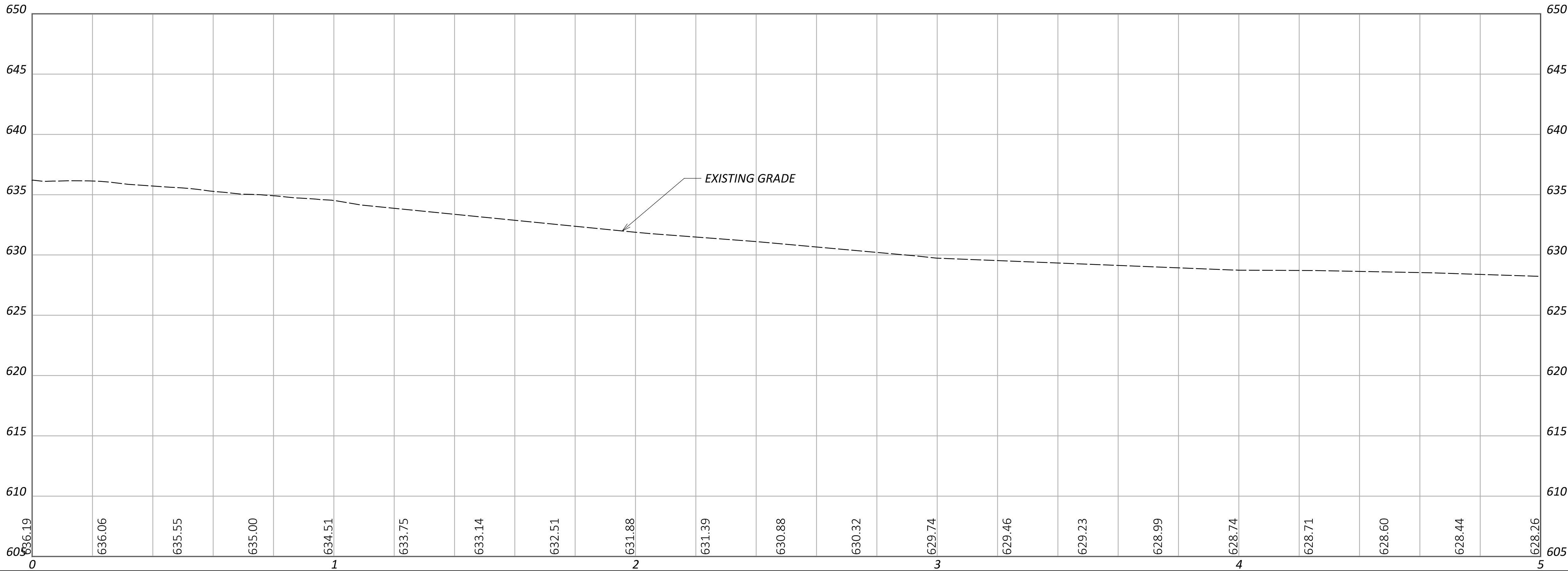
SHEET	TOTAL
P.5	69



GENERAL NOTES:

1. THE PROPOSED TRAIL SHALL CONNECT TO EXISTING TRAILHEAD AT OXFORD STATE ROAD CUL-DE-SAC.
2. THE PROPOSED TRAIL SHALL RUN ON EXISTING OXFORD STATE ROAD SHOULDER UNTIL DIVERTING OFF-ROAD BETWEEN THE MIDDLETOWN WASTEWATER PLANT DRIVEWAY AND OH-73 INTERSECTION.
3. THE PROPOSED TRAIL SHALL BE DELINEATED WITH SIGNAGE ONLY. NO MODIFICATIONS TO OXFORD STATE ROAD ARE PROPOSED.

If this is a 2-way path on the southern shoulder, striping and other separation is needed from vehicle traffic. Is the existing pavement wide enough? It doesn't look like there is a paved shoulder on Oxford State Rd Where is the signing plan? This needs to be provided at the next submission



PLAN AND PROFILE
GREAT MIAMI RIVER TRAIL



DESIGN AGENCY



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Consultants, Inc.

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SHEET

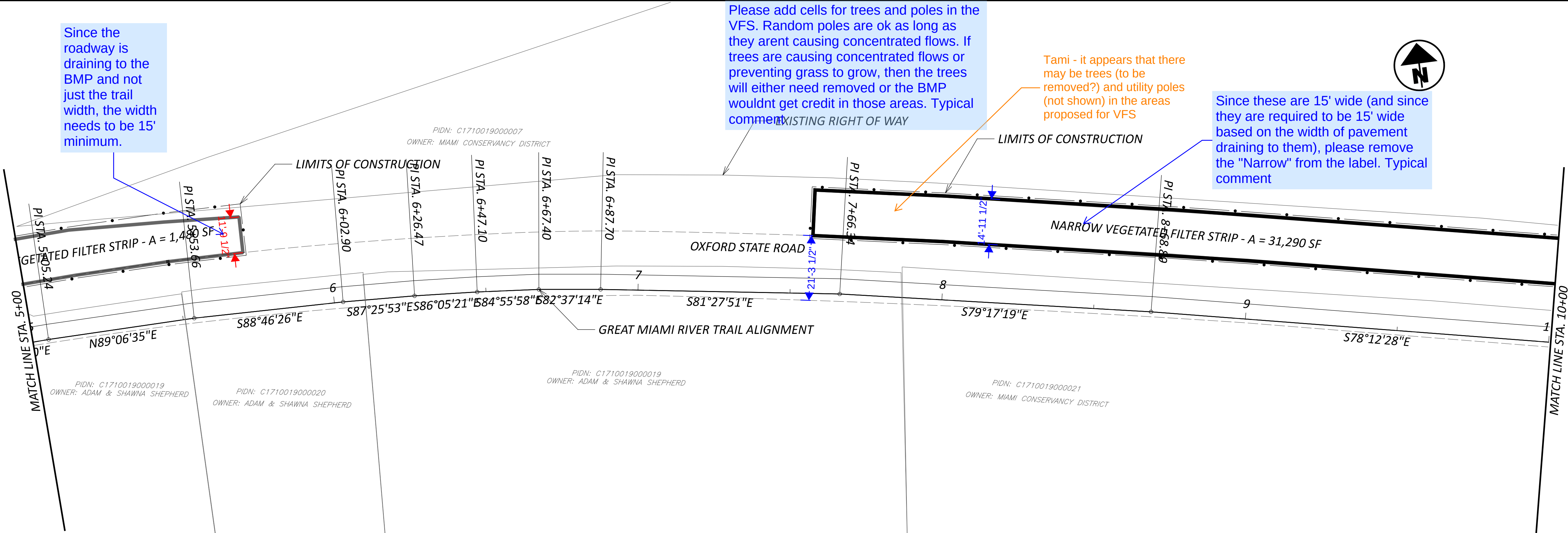
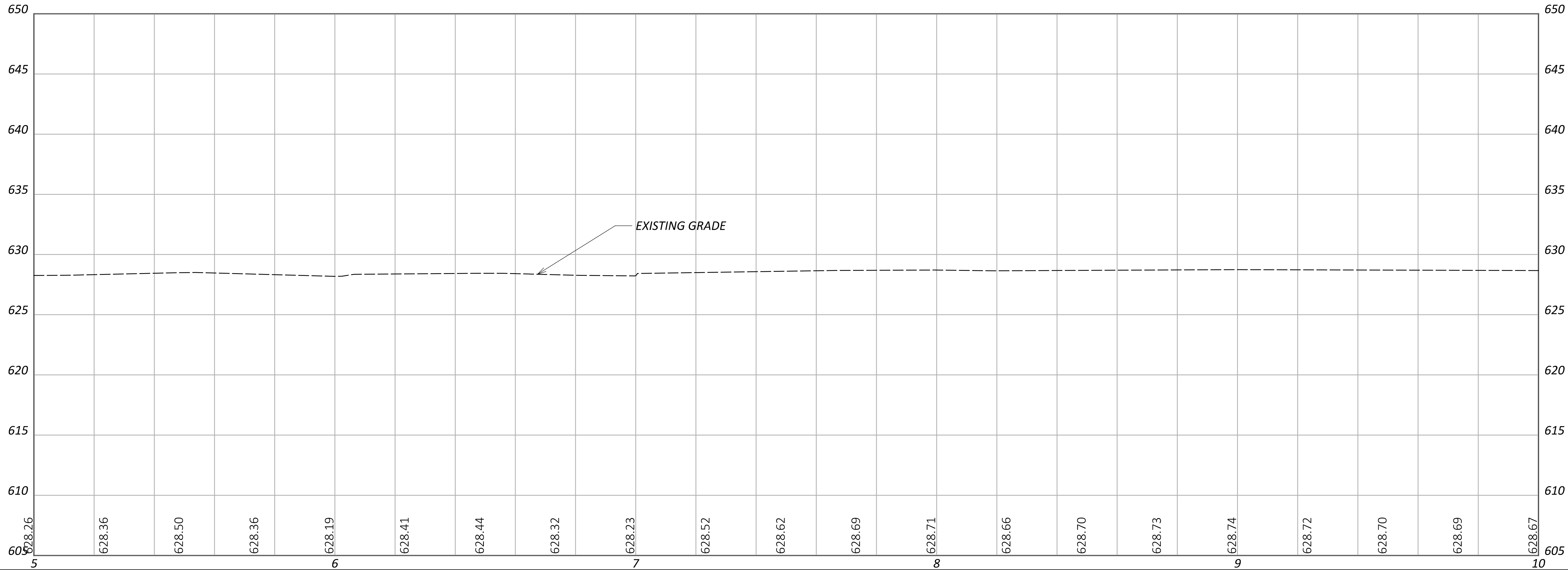
P.6

TOTAL

69

GENERAL NOTES:

1. THE PROPOSED TRAIL SHALL RUN ON EXISTING OXFORD STATE ROAD SHOULDER UNTIL DIVERTING OFF-ROAD BETWEEN THE MIDDLETOWN WASTEWATER PLANT DRIVEWAY AND OH-73 INTERSECTION.
2. THE PROPOSED TRAIL SHALL BE DELINEATED WITH SIGNAGE ONLY. NO MODIFICATIONS TO OXFORD STATE ROAD ARE PROPOSED.



PLAN AND PROFILE
GREAT MIAMI RIVER TRAIL



DESIGN AGENCY



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Columbus, OH 43240
Ph: 614.540.6633
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DESIGNER

TKA

REVIEWER

JH 06-30-26

PROJECT ID

119064

SHEET

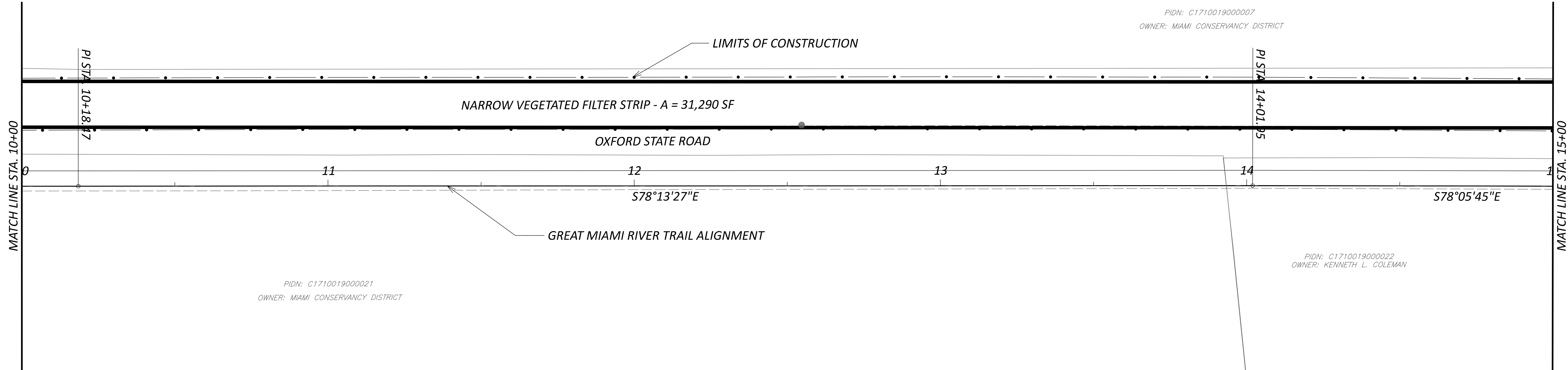
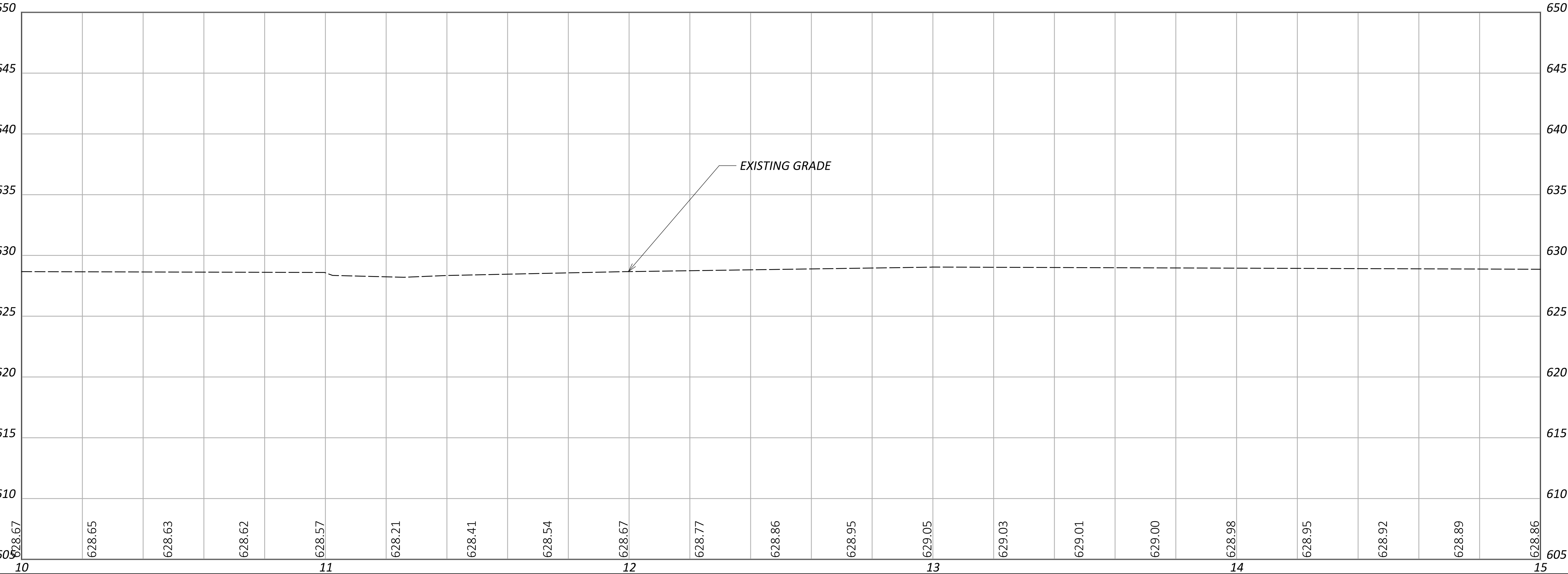
P.7

TOTAL

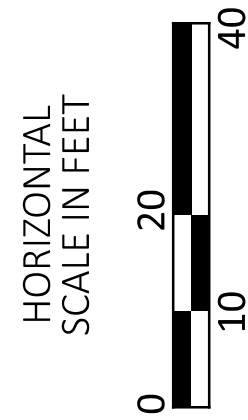
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GENERAL NOTES:

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DESIGN AGENCY



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DESIGNER

TKA

REVIEWER

JH 06-30-26

PROJECT ID

119064

SHEET

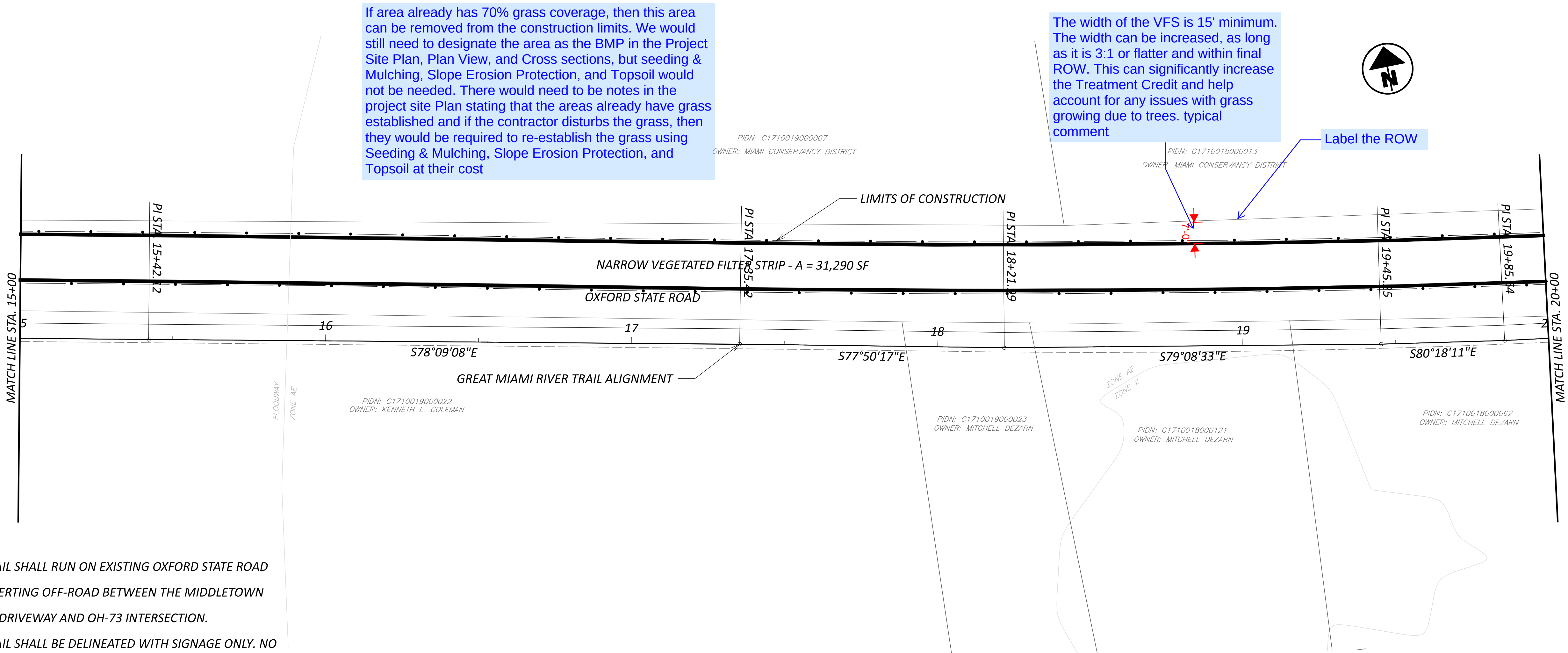
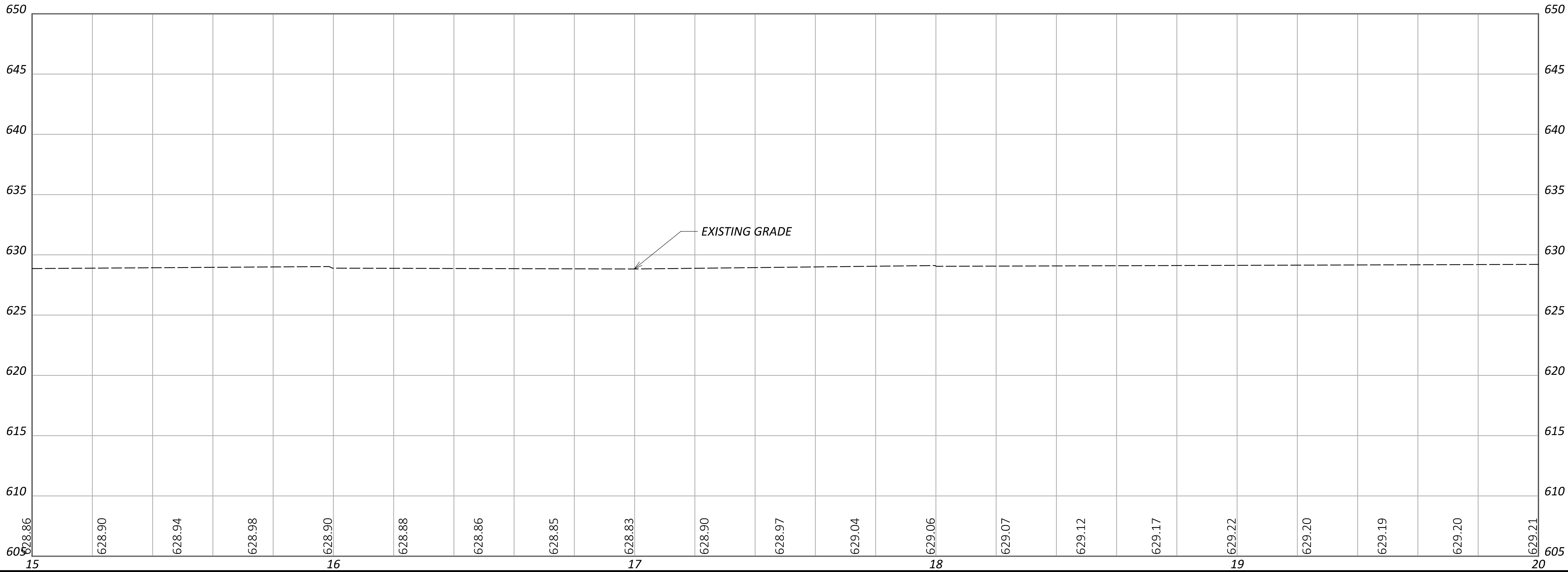
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GENERAL NOTES:

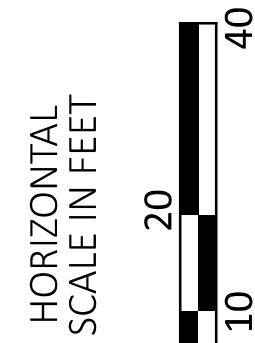
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If area already has 70% grass coverage, then this area can be removed from the construction limits. We would still need to designate the area as the BMP in the Project Site Plan, Plan View, and Cross sections, but seeding & Mulching, Slope Erosion Protection, and Topsoil would not be needed. There would need to be notes in the project site Plan stating that the areas already have grass established and if the contractor disturbs the grass, then they would be required to re-establish the grass using Seeding & Mulching, Slope Erosion Protection, and Topsoil at their cost

The width of the VFS is 15' minimum. The width can be increased, as long as it is 3:1 or flatter and within final ROW. This can significantly increase the Treatment Credit and help account for any issues with grass growing due to trees. typical comment

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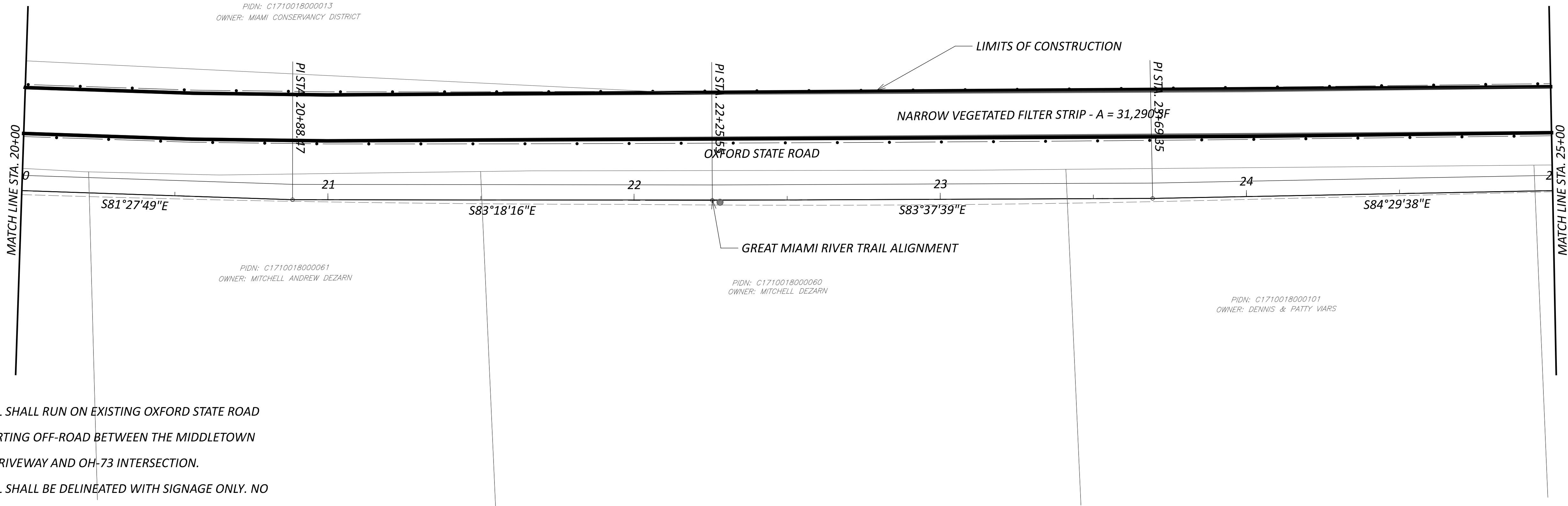
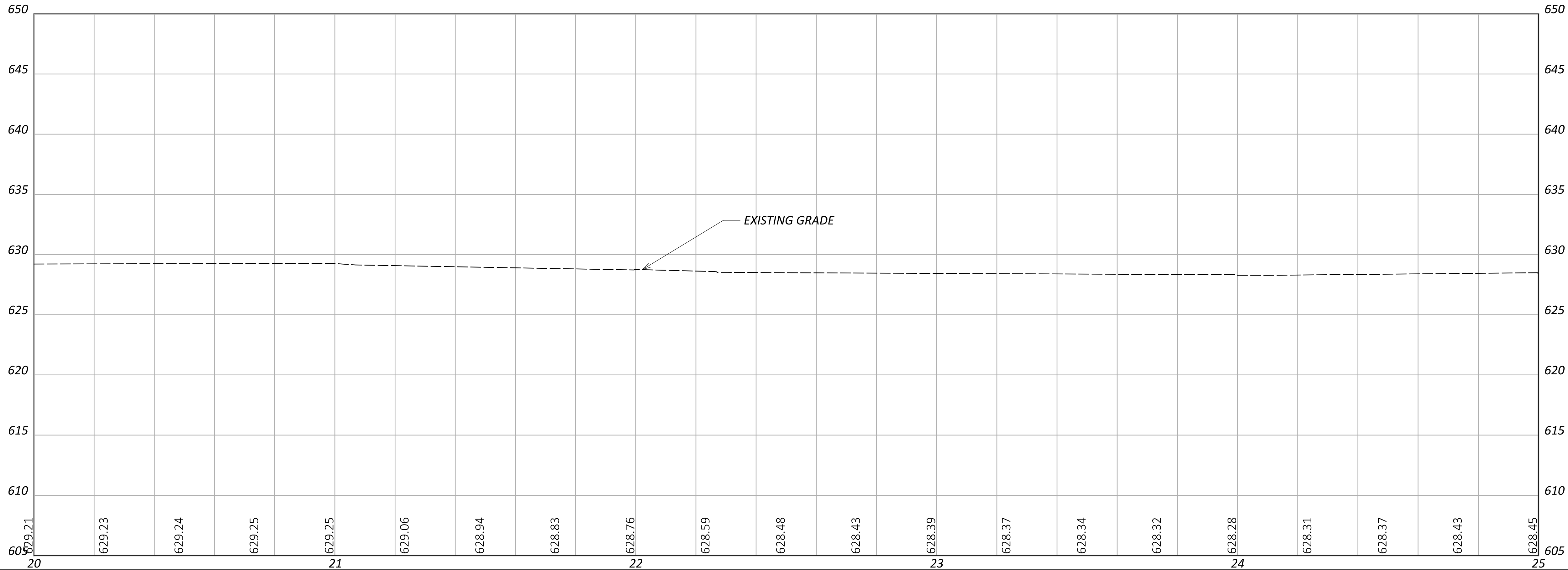
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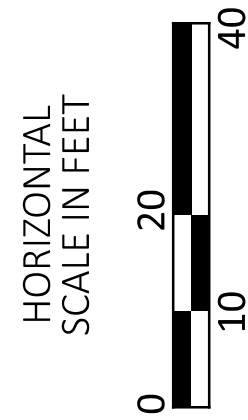
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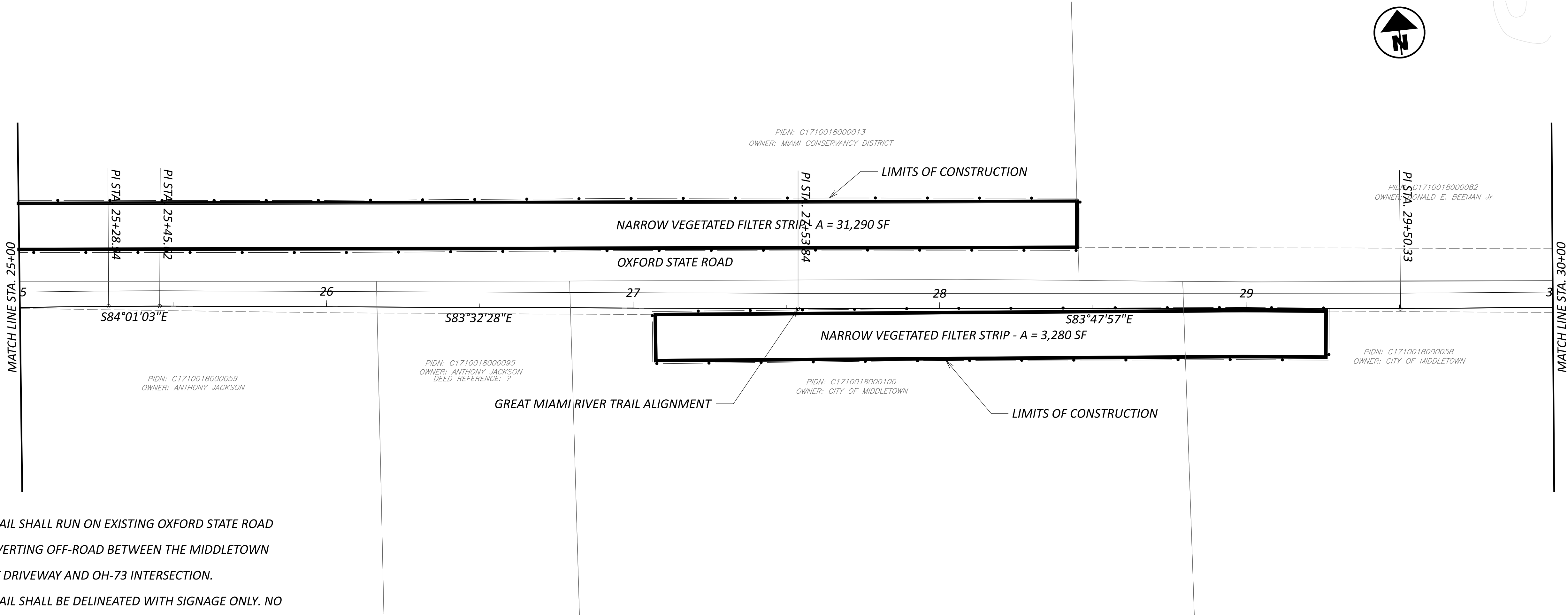
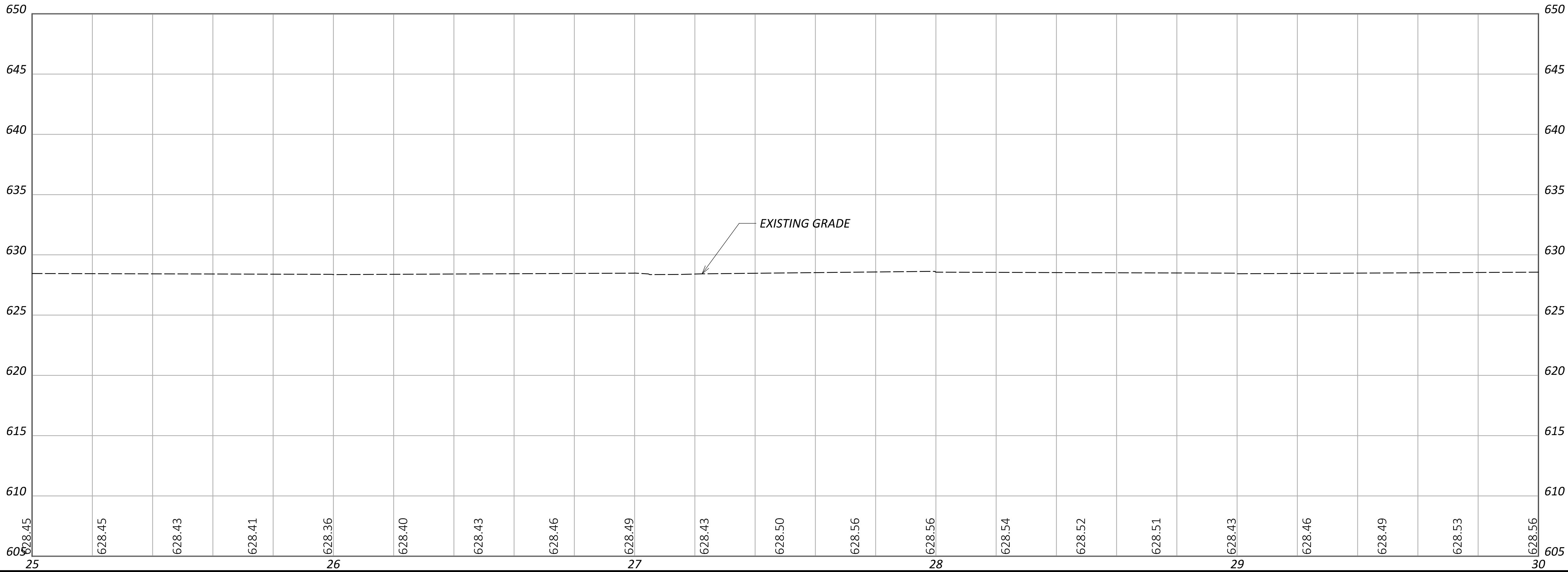
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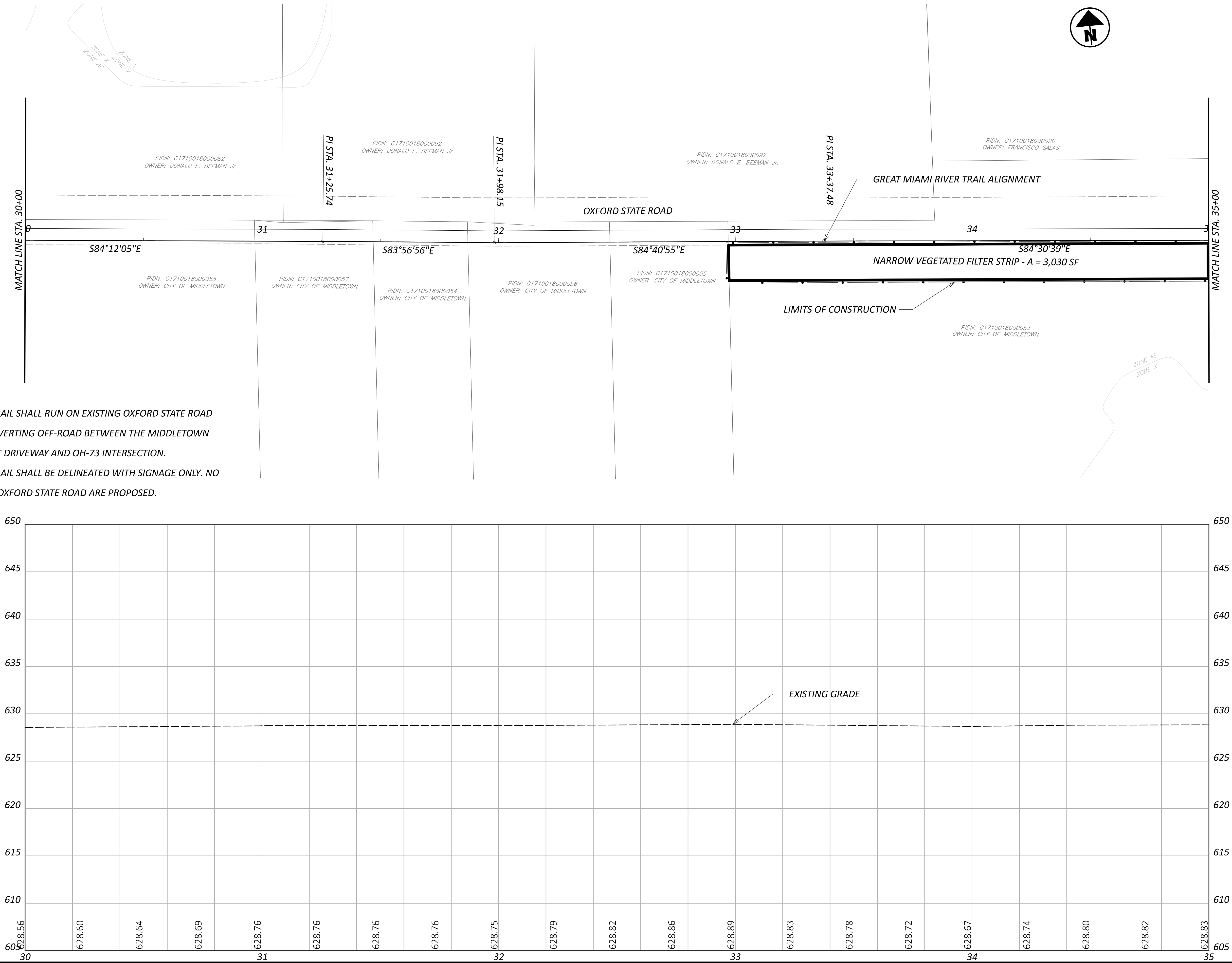
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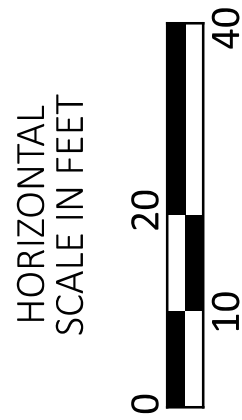
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P.11 69

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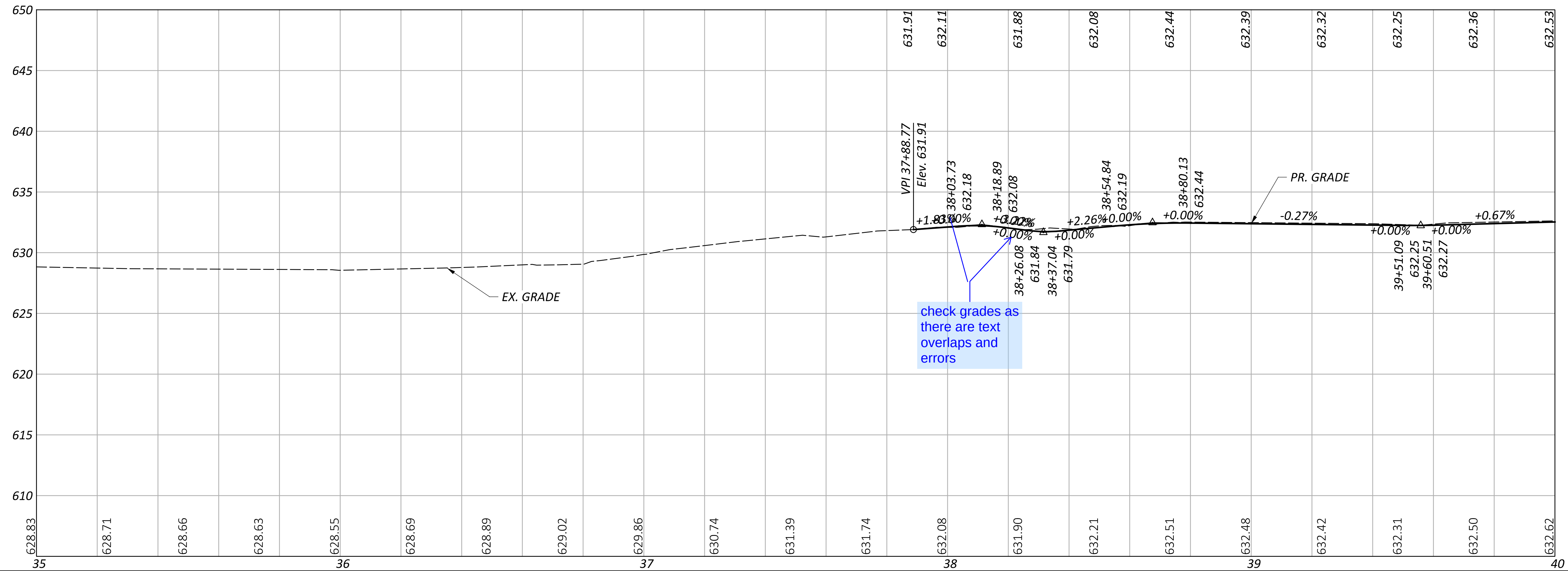
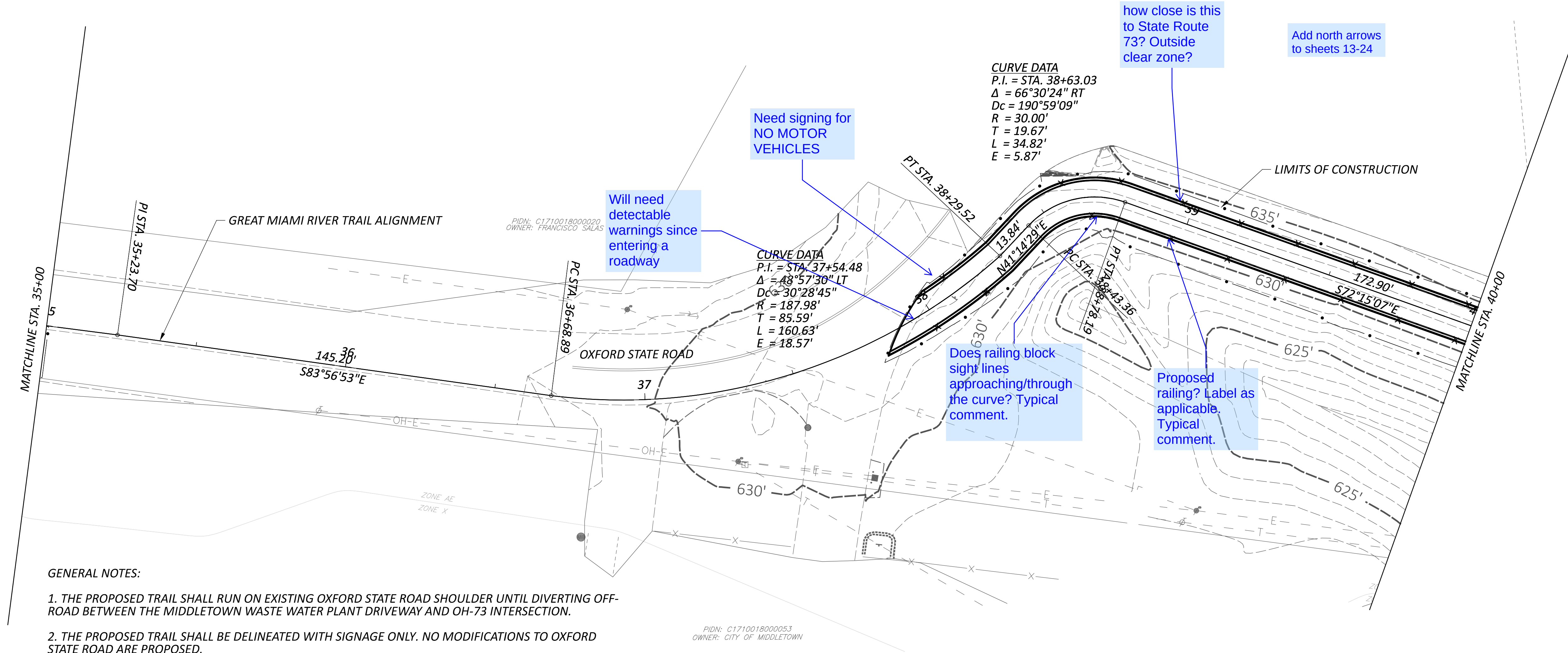
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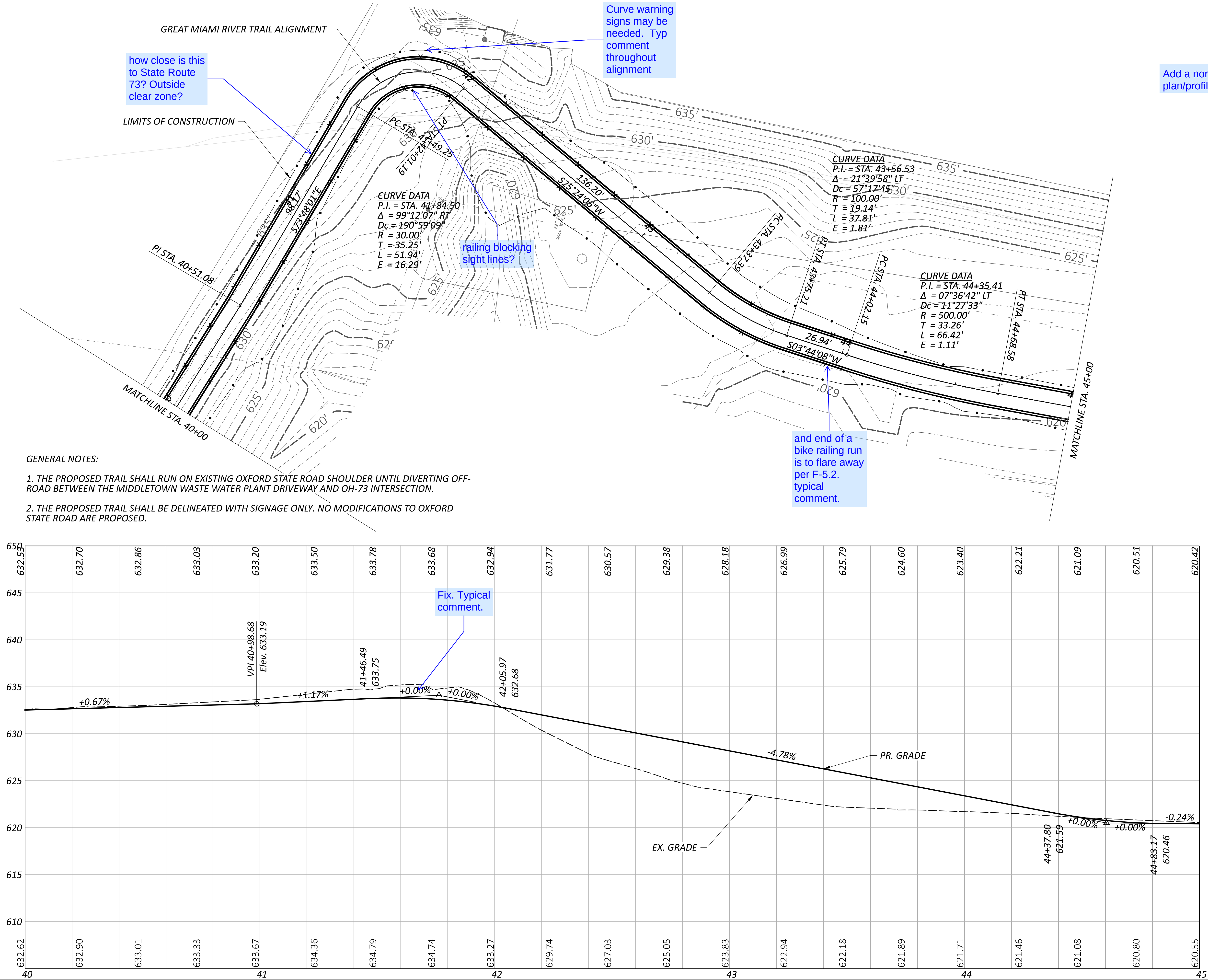
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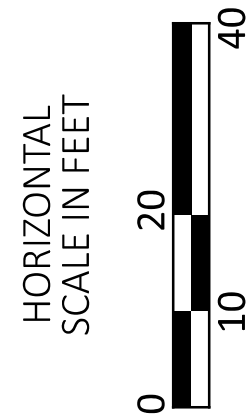
SHEET TOTAL

P.12 69



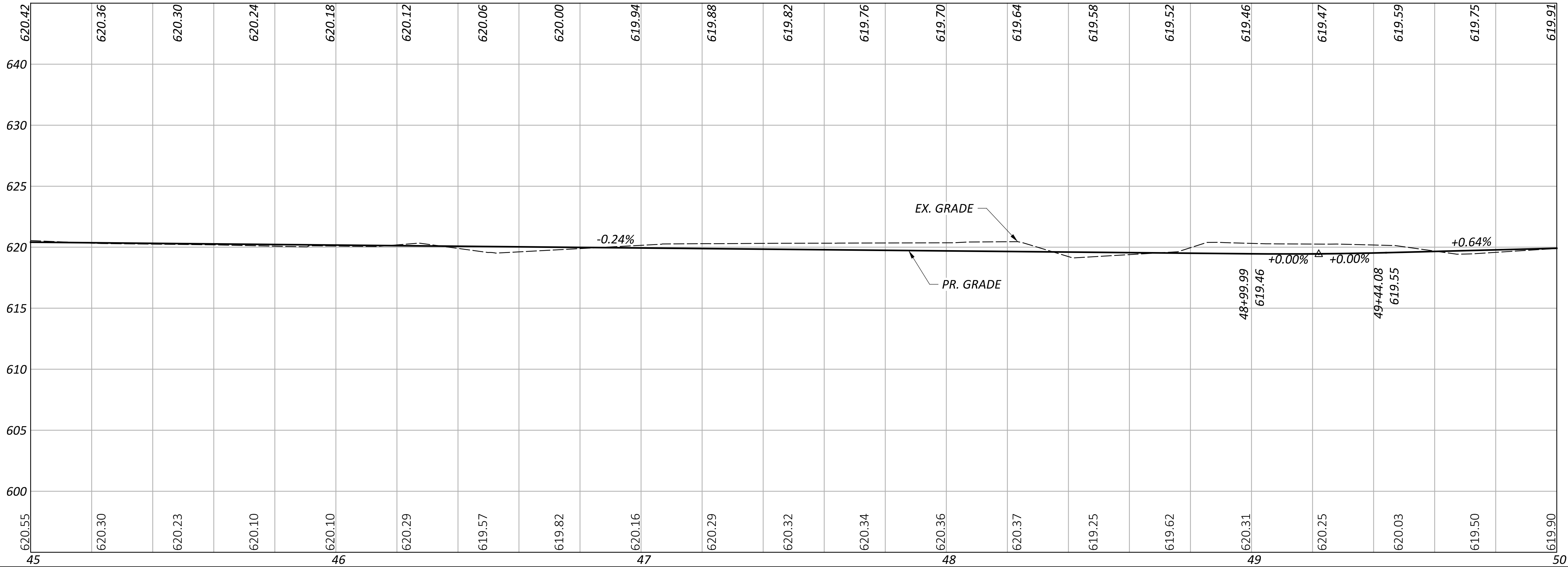
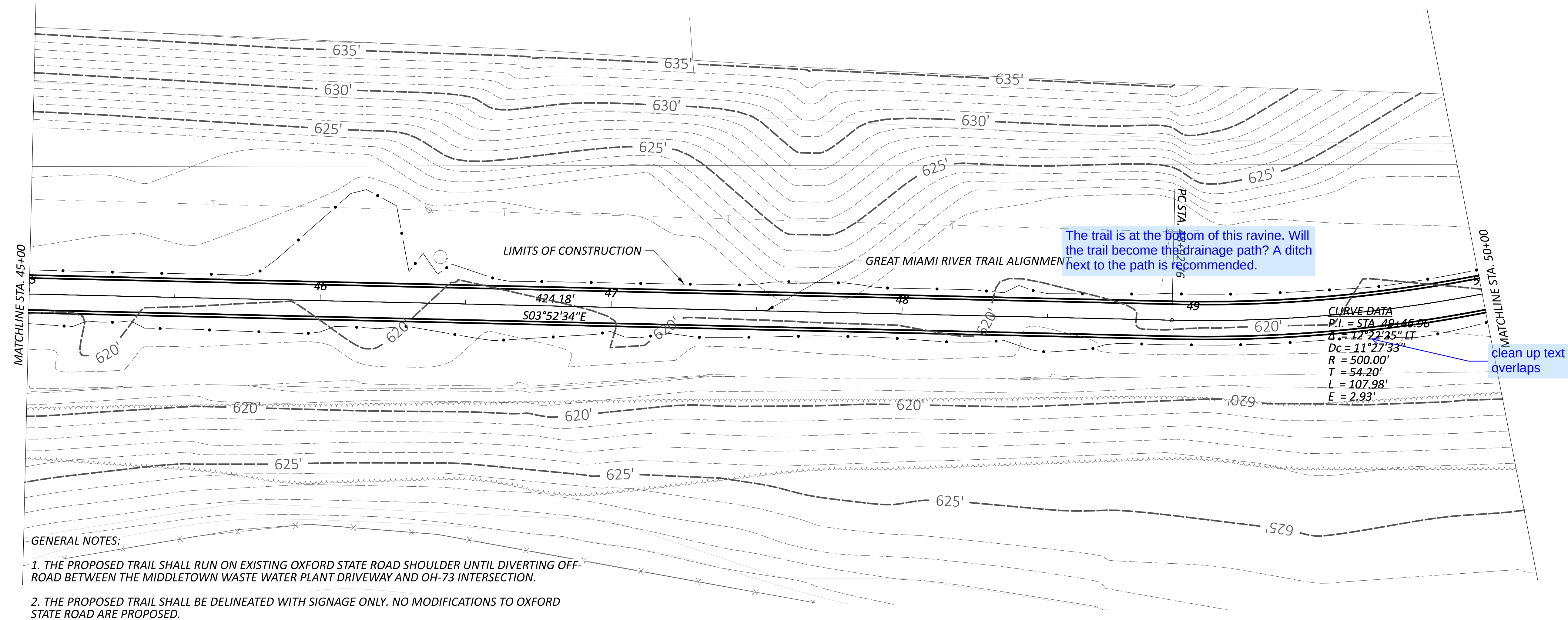


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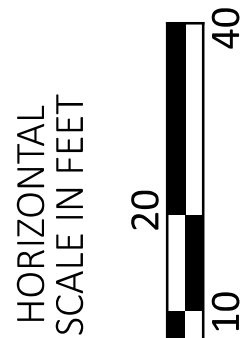


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69



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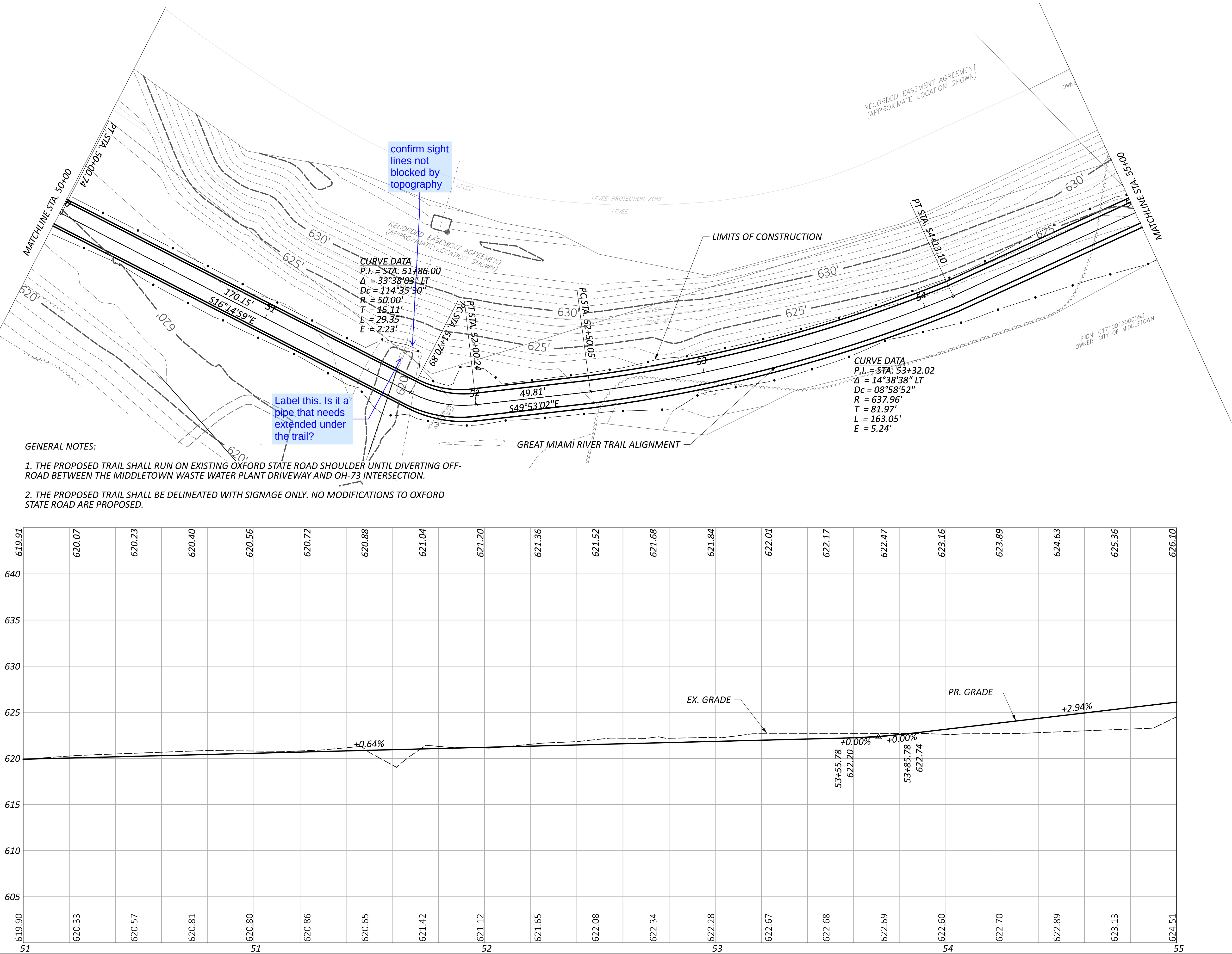
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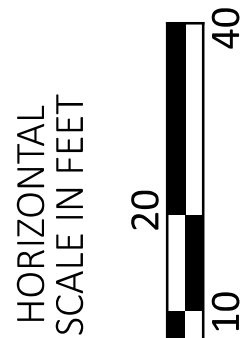
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P.15

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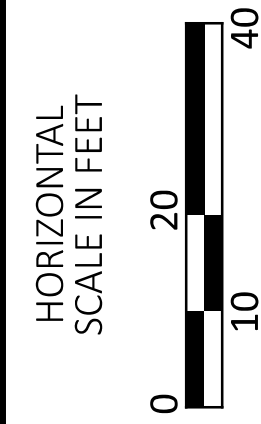
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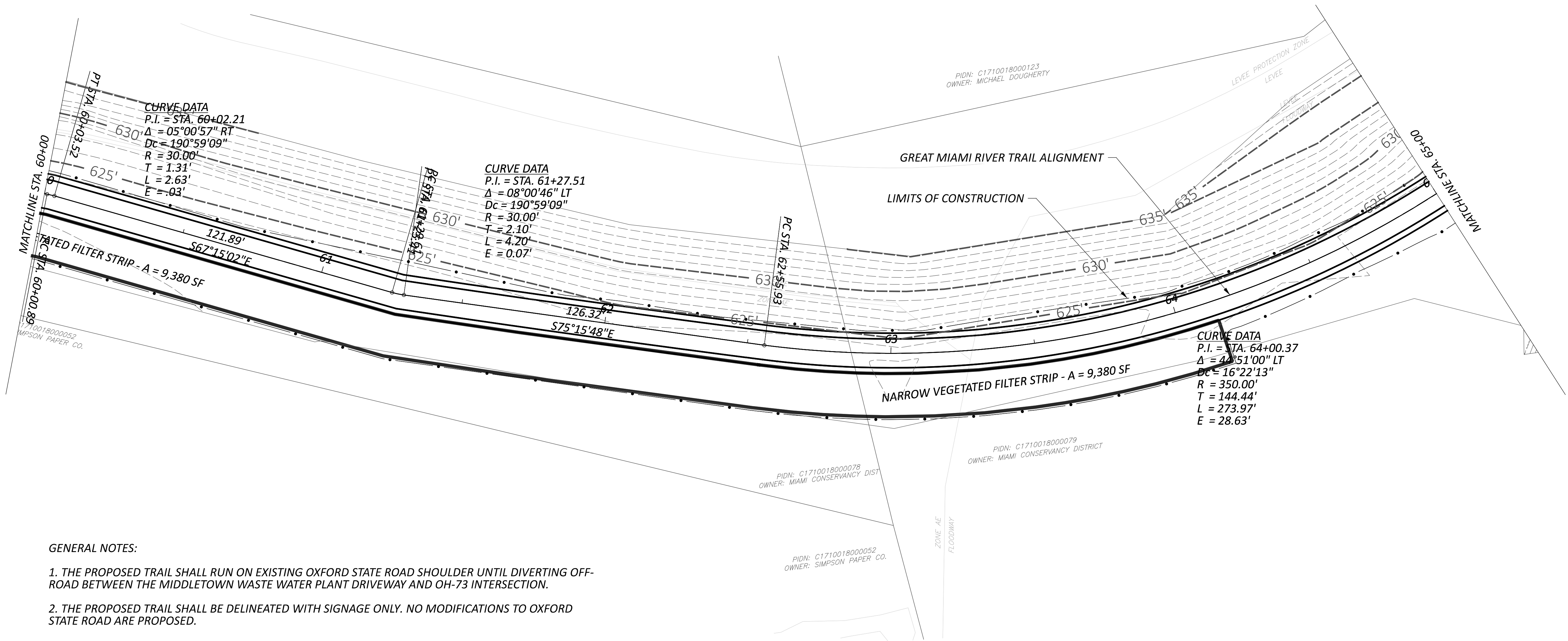
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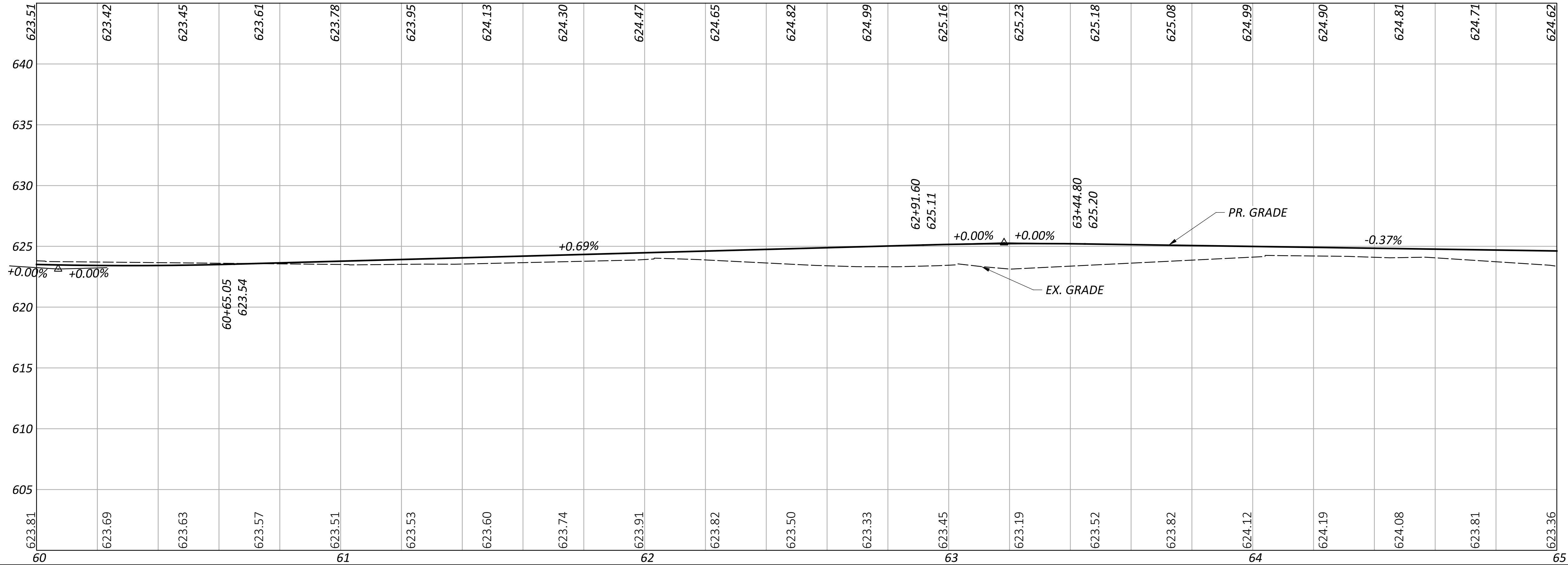
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PROJECT ID	
119064	
SHEET	TOTAL
P.17	69

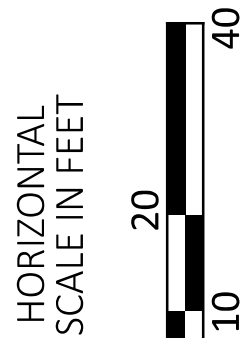


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P.18

TOTAL

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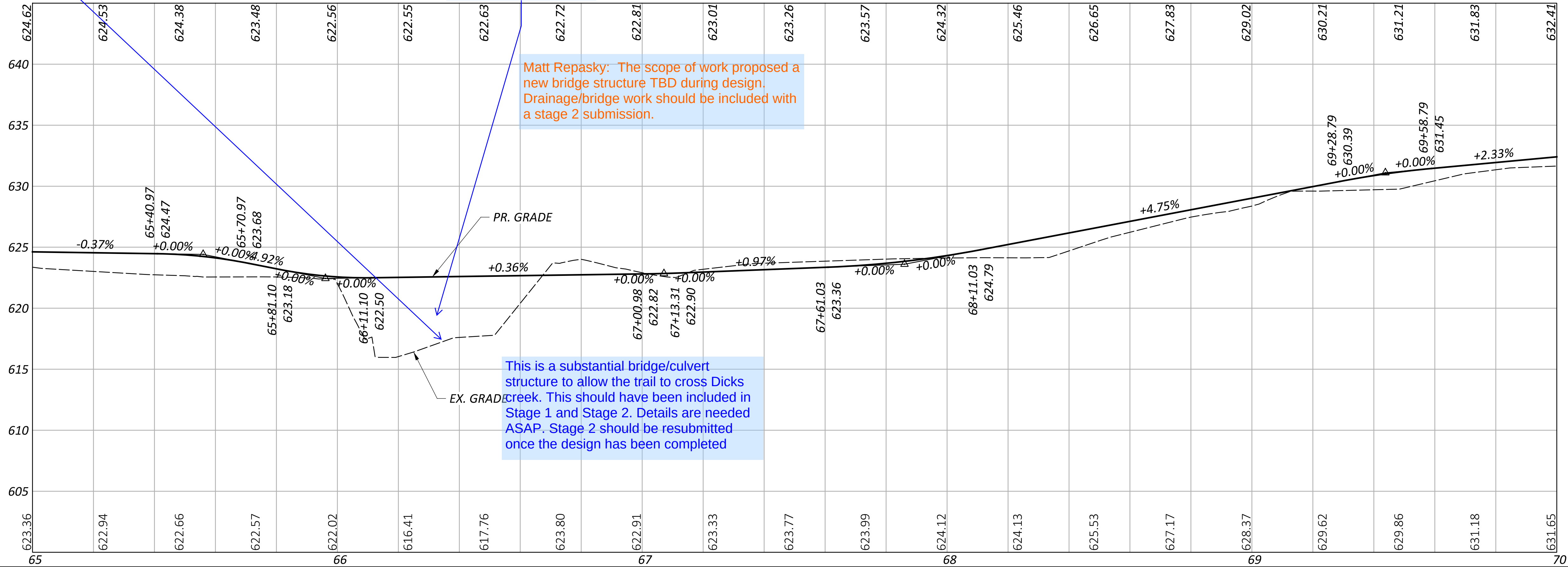
Curve warning signs needed

Dick's Creek to be labeled
OHWM to be added

Are these culverts to be constructed with this path?
If so, details/info are missing from this submittal.

Matt Repasky: The scope of work proposed a new bridge structure TBD during design. Drainage/bridge work should be included with a stage 2 submission.

This is a substantial bridge/culvert structure to allow the trail to cross Dicks creek. This should have been included in Stage 1 and Stage 2. Details are needed ASAP. Stage 2 should be resubmitted once the design has been completed



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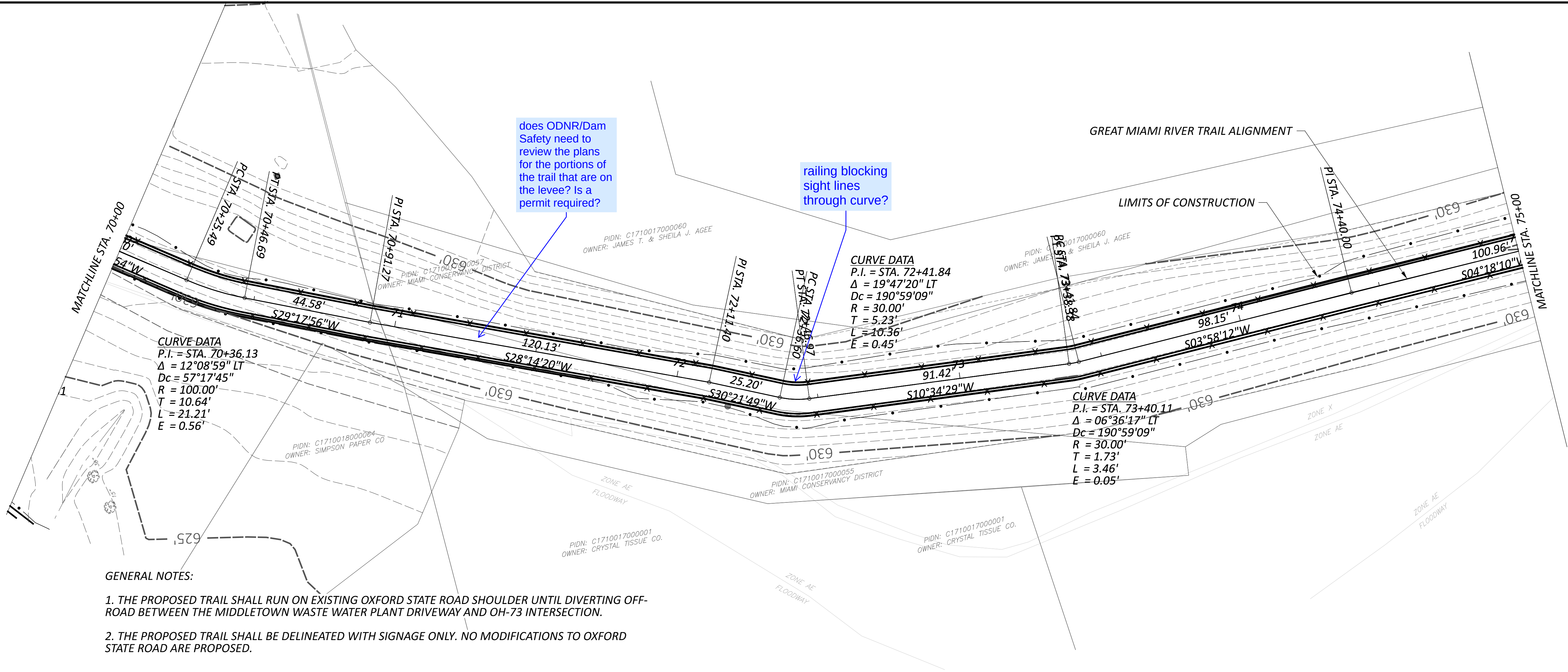
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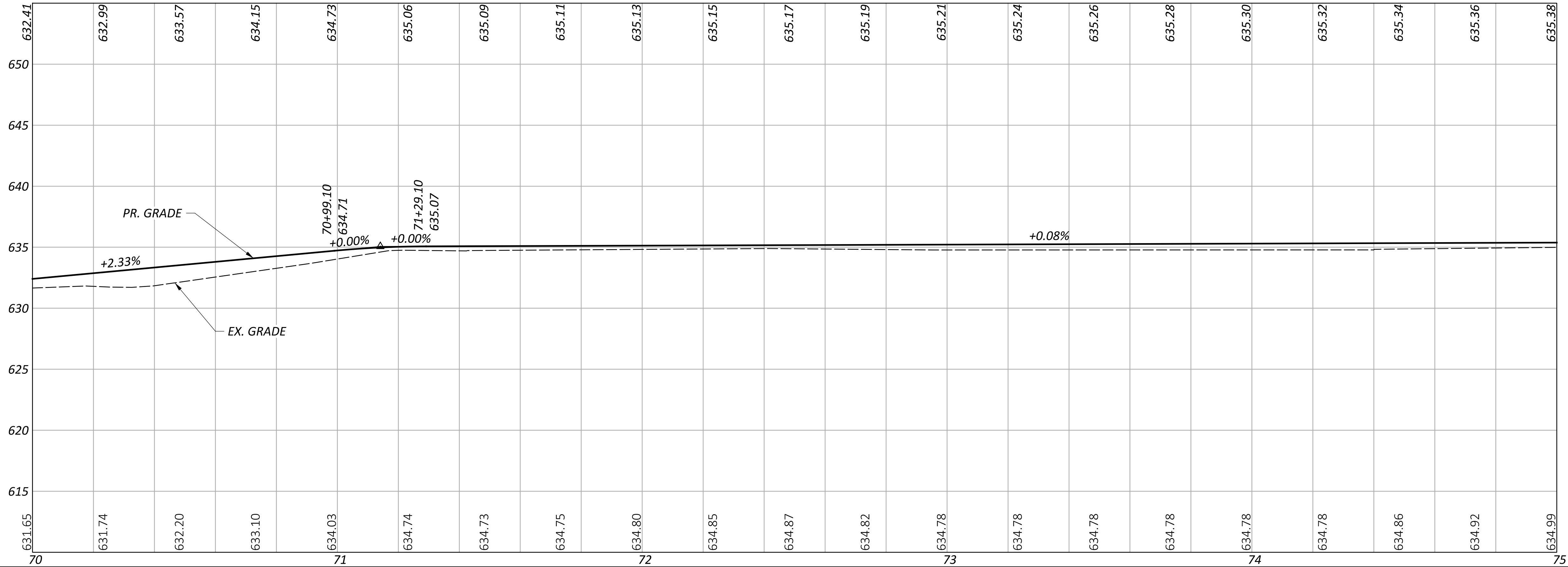
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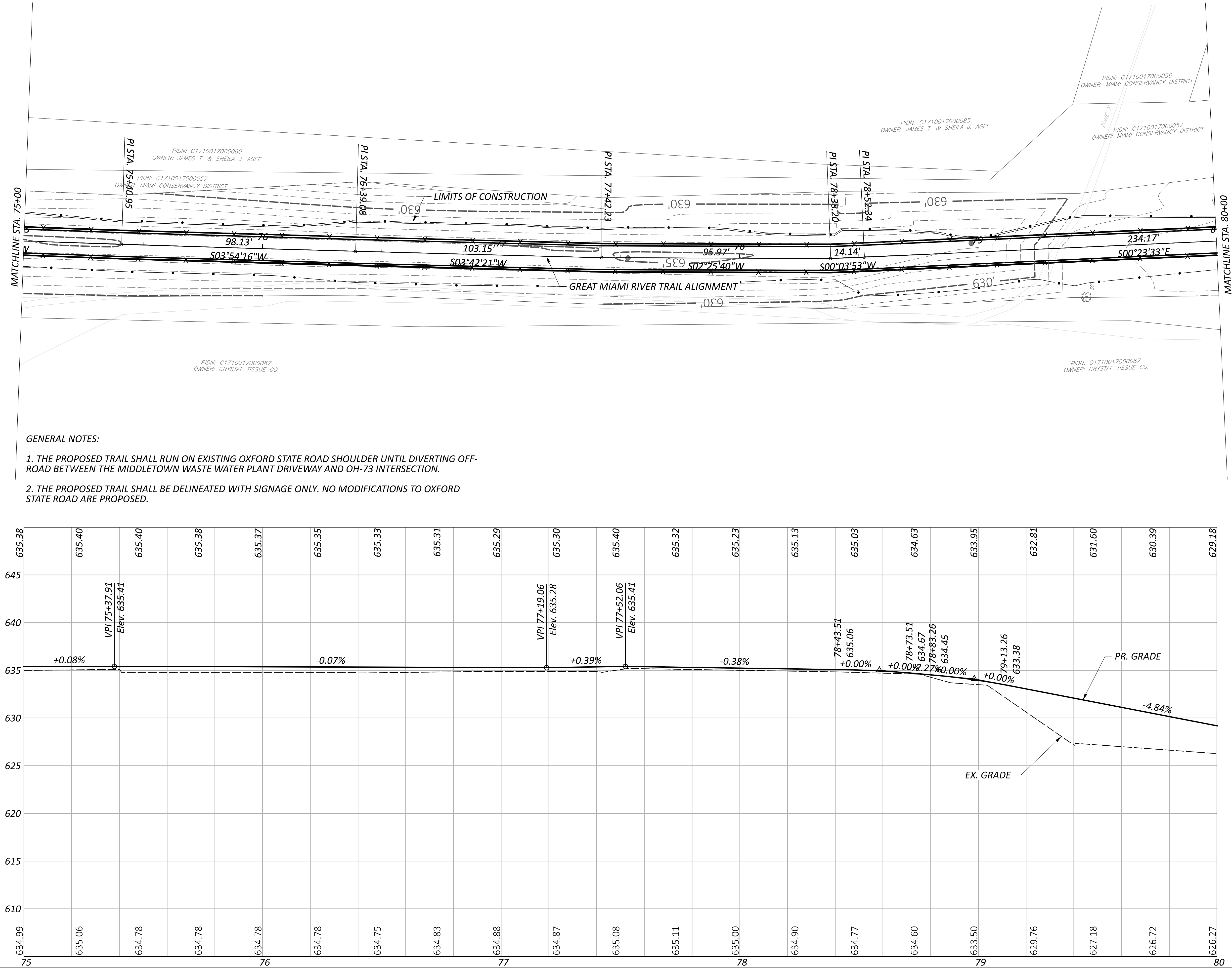
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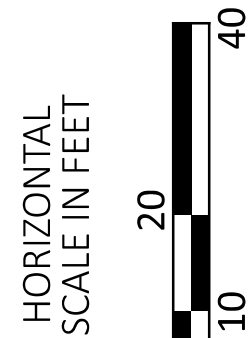
P.20

TOTAL

69



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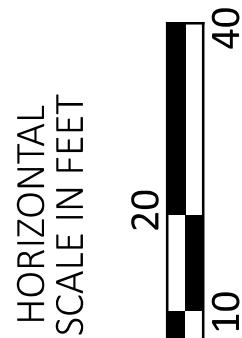
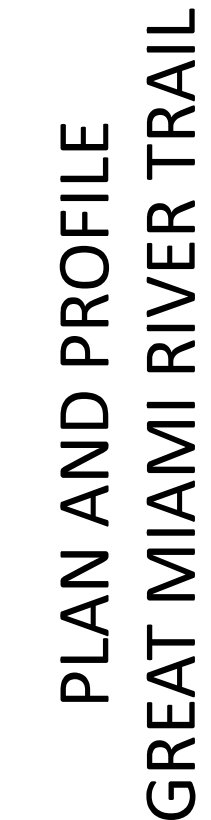
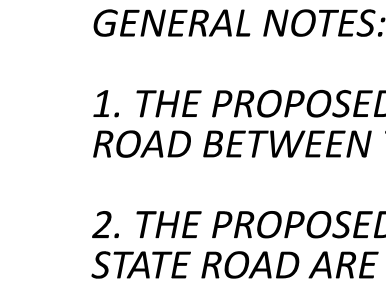
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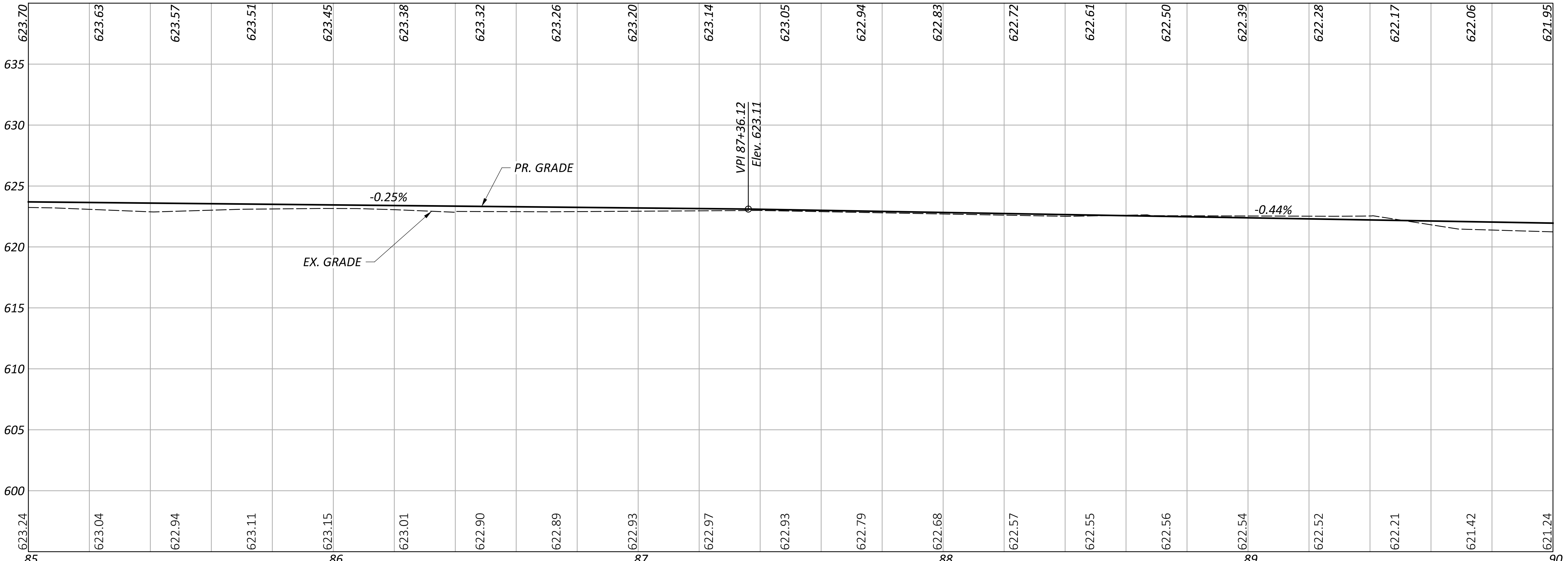
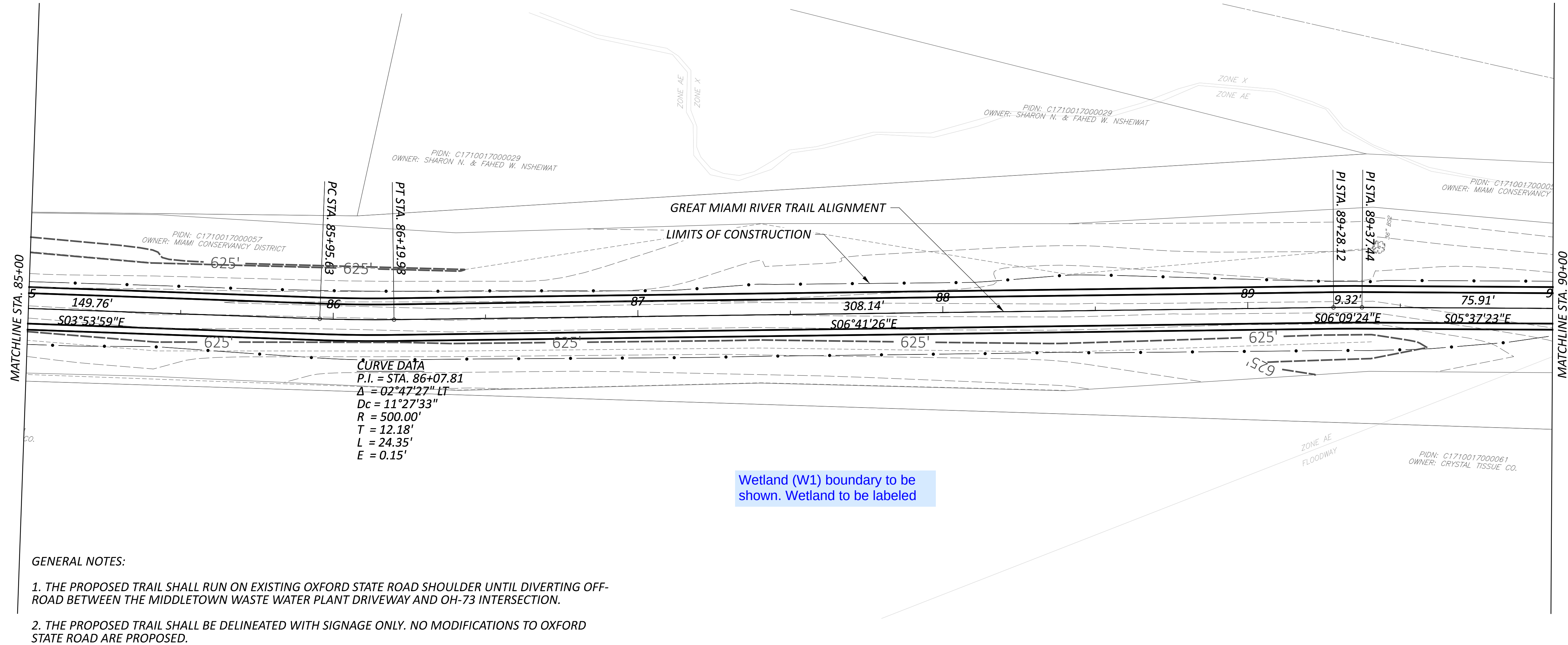
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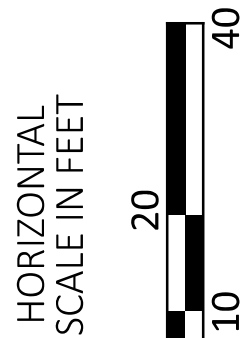
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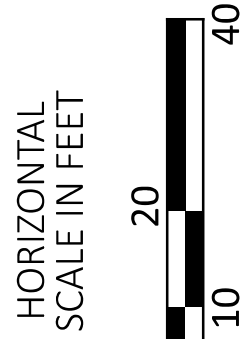
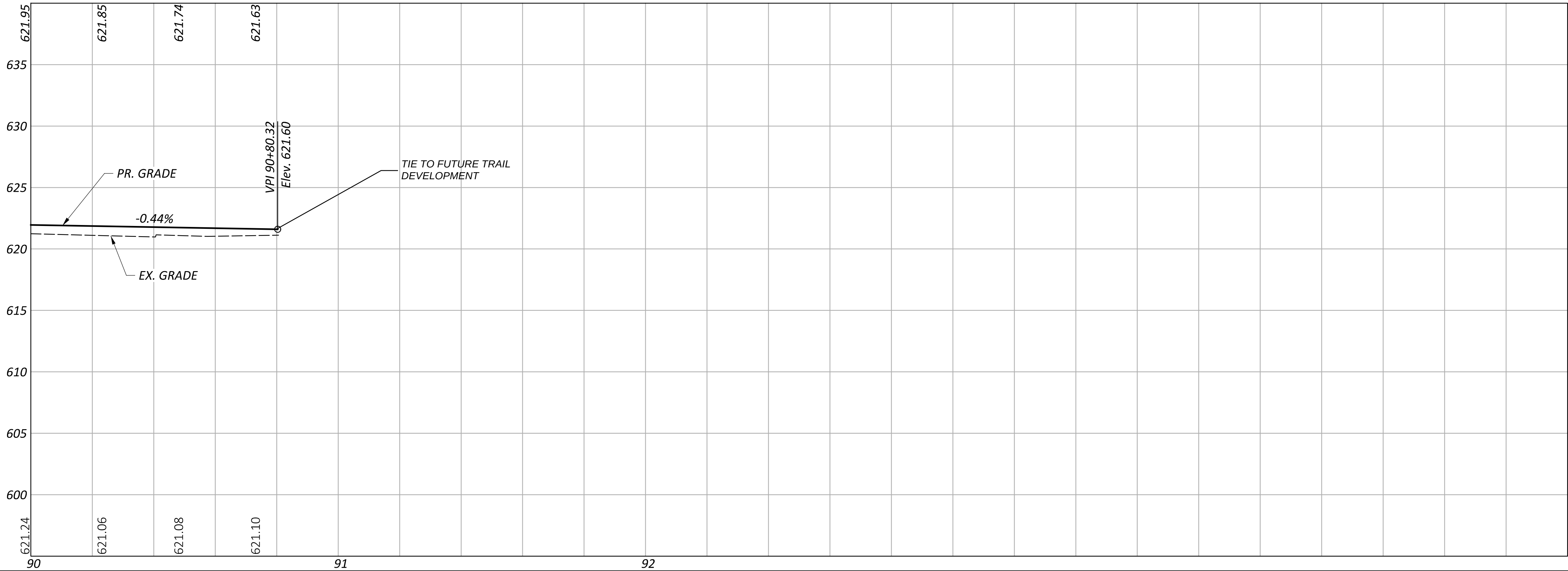
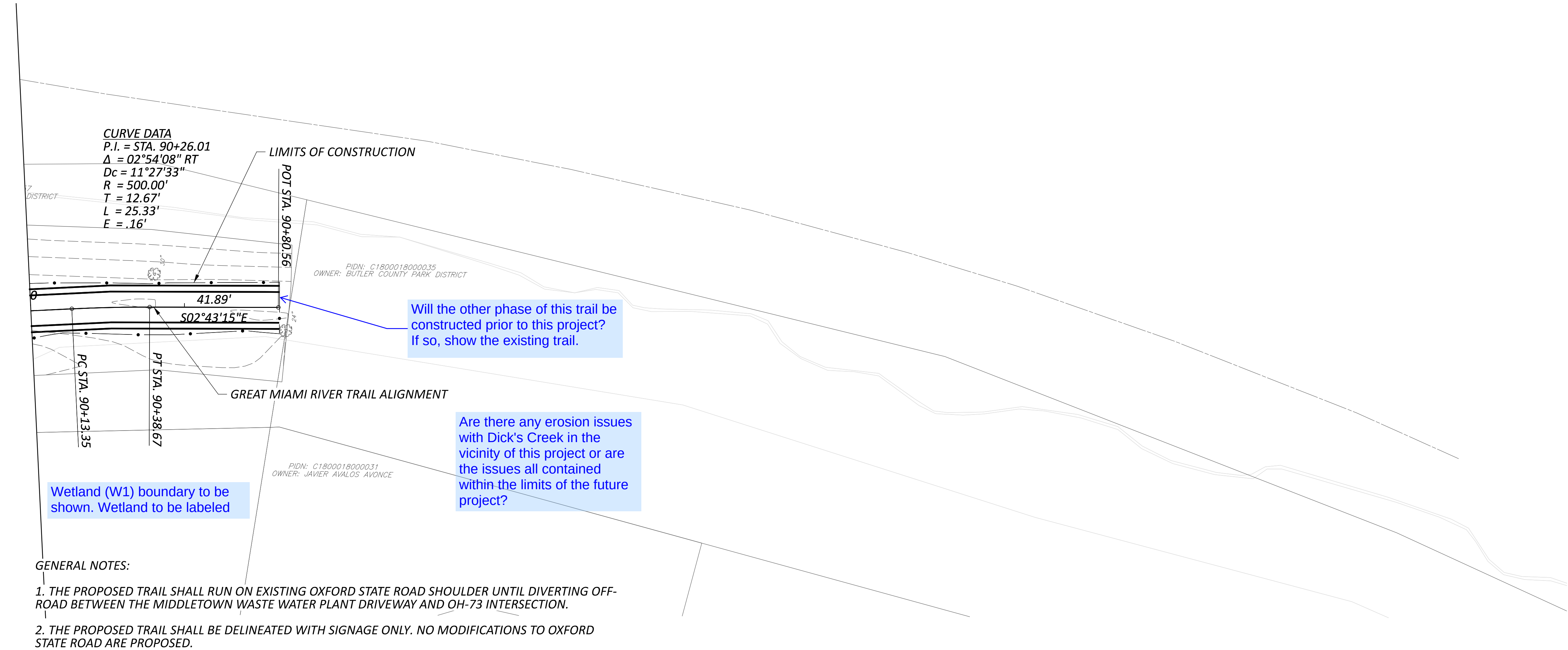
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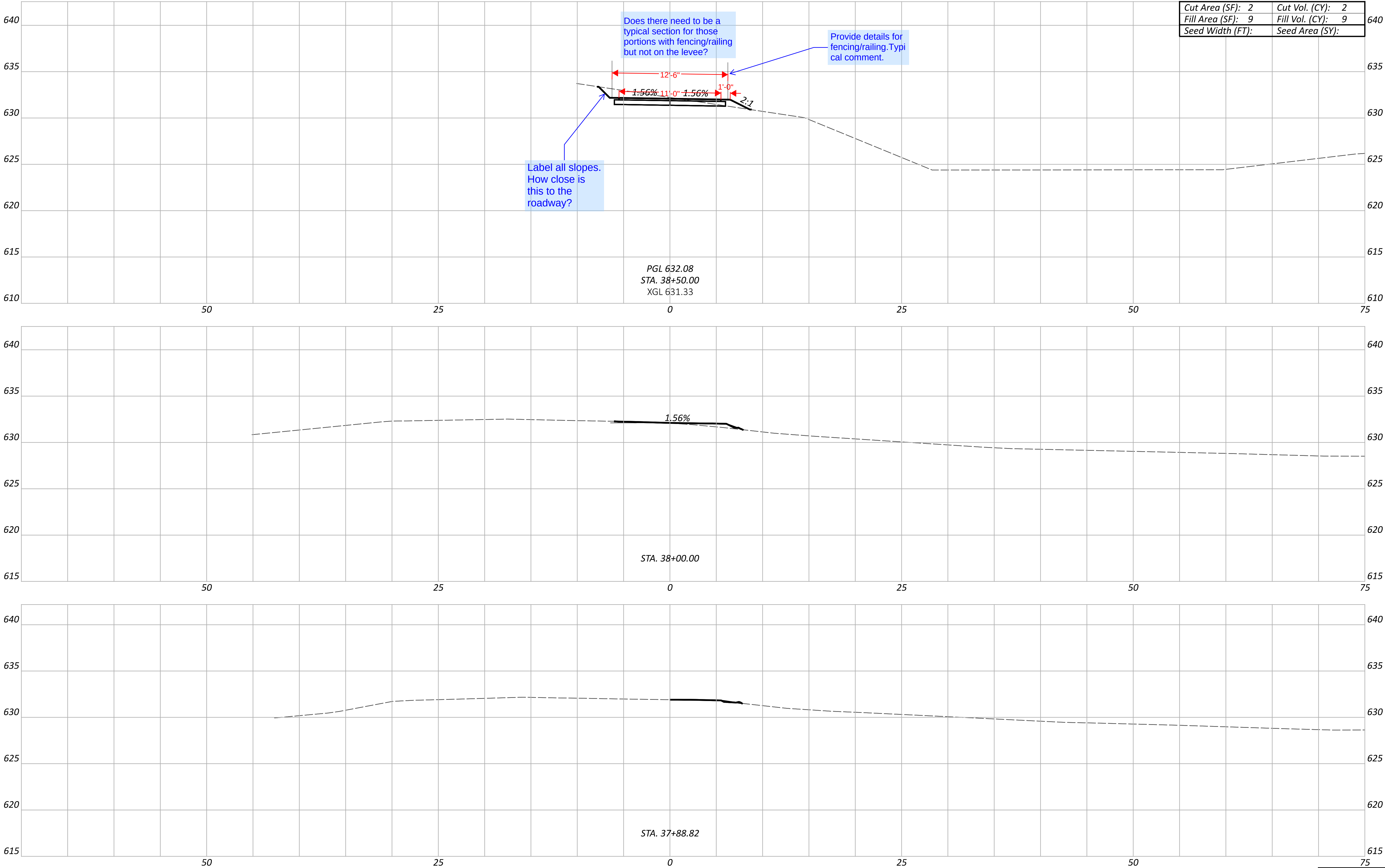
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SHEET TOTAL
P.24 69



Cut Area (SF):	2	Cut Vol. (CY):	2
Fill Area (SF):	9	Fill Vol. (CY):	9
Seed Width (FT):		Seed Area (SY):	

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

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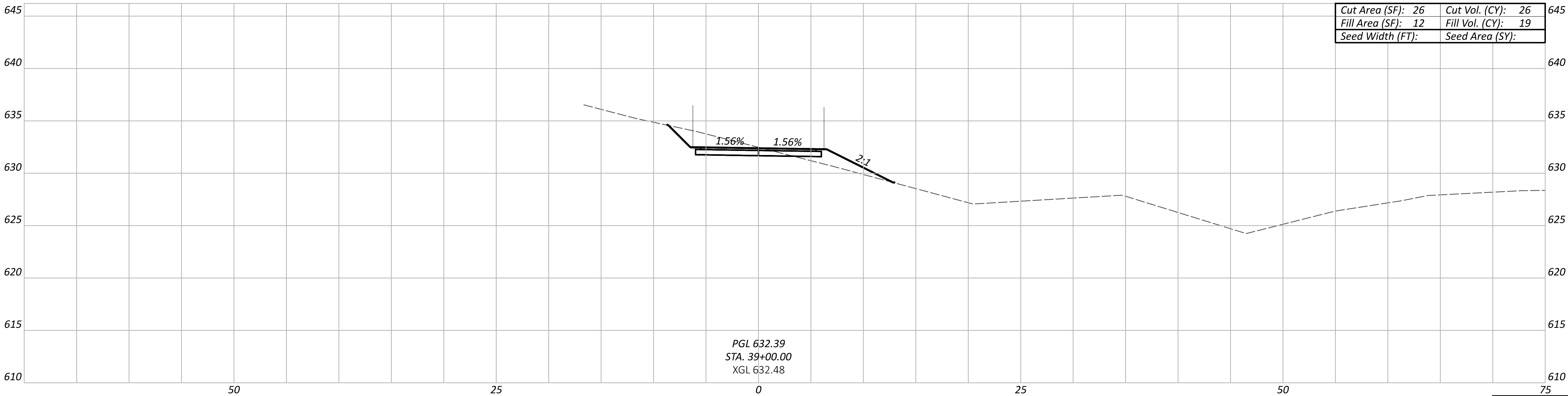
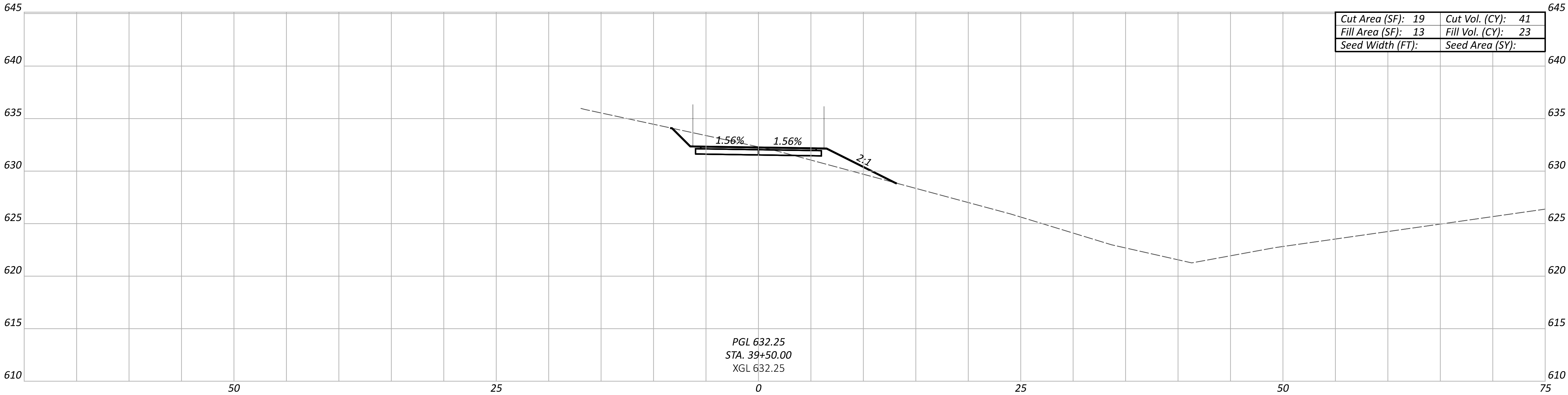
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Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.25	69



Sheet Totals		
Seeding	Cut	Fill

CROSS SECTIONS
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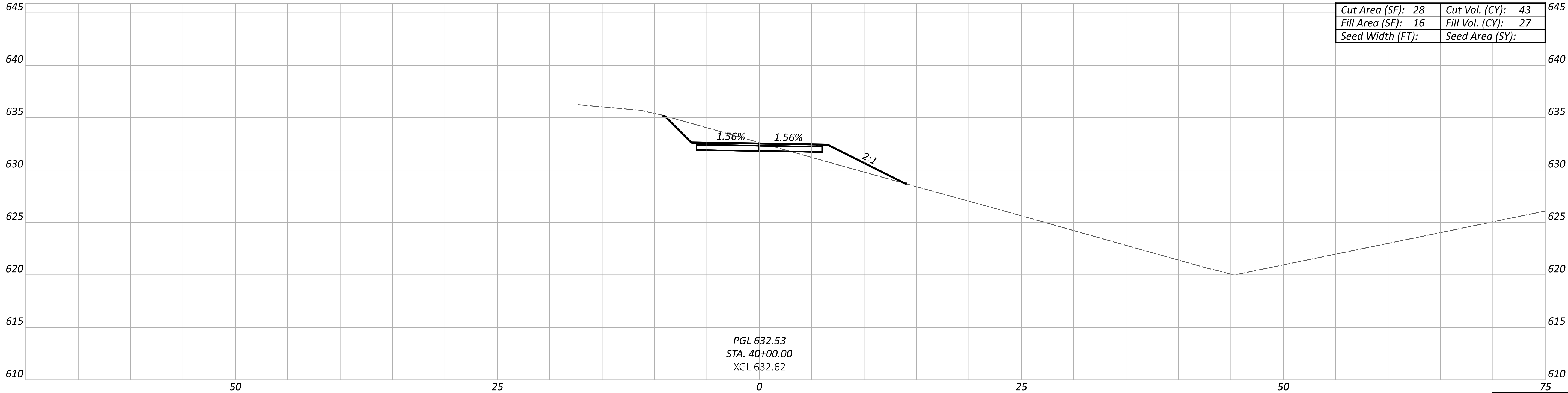
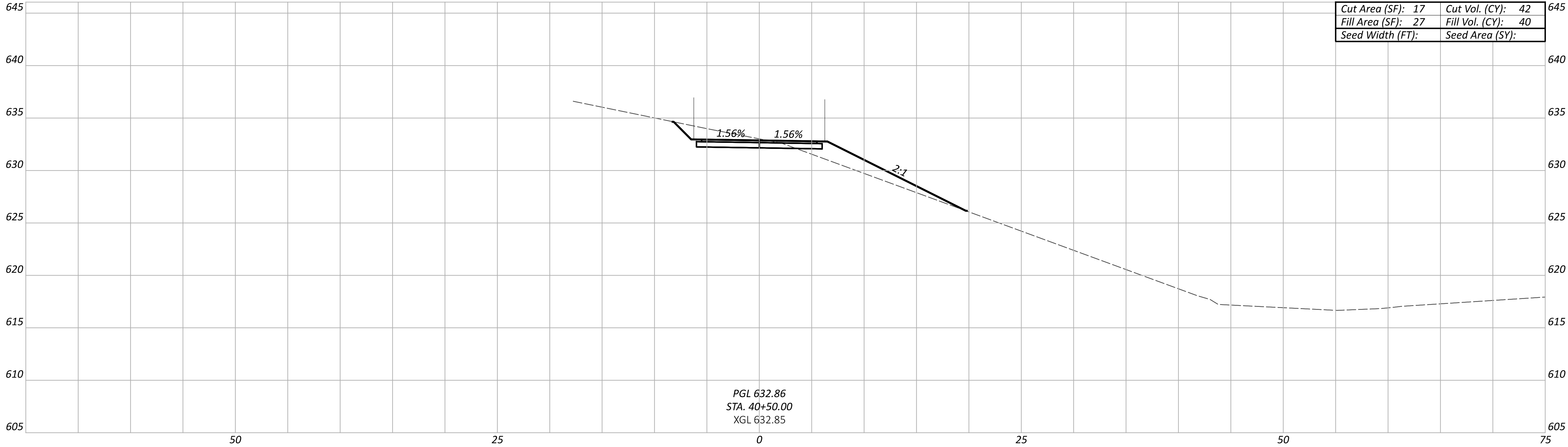
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Sheet Totals		
Seeding	Cut	Fill

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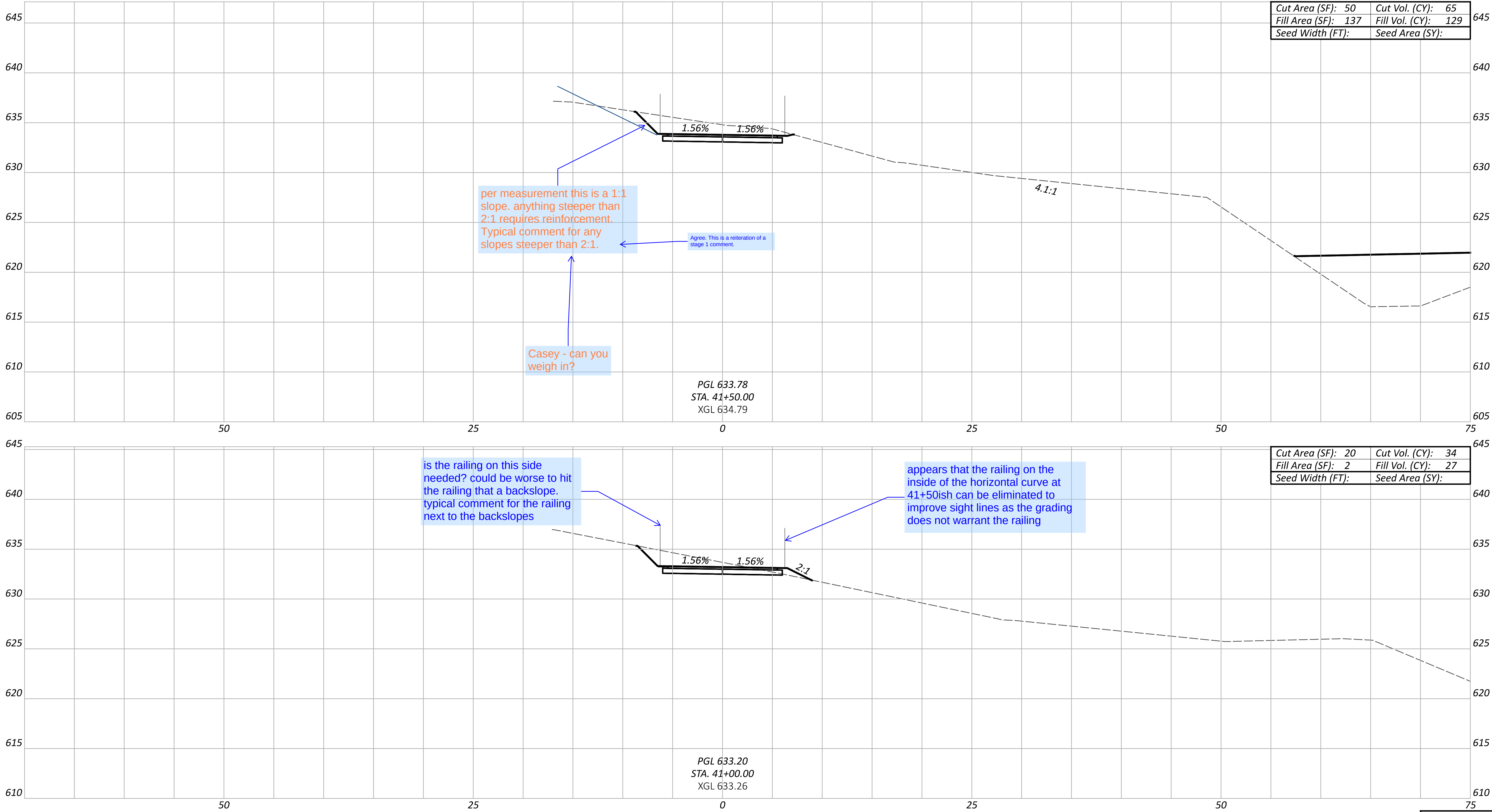
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SHEET	TOTAL
P.27	69



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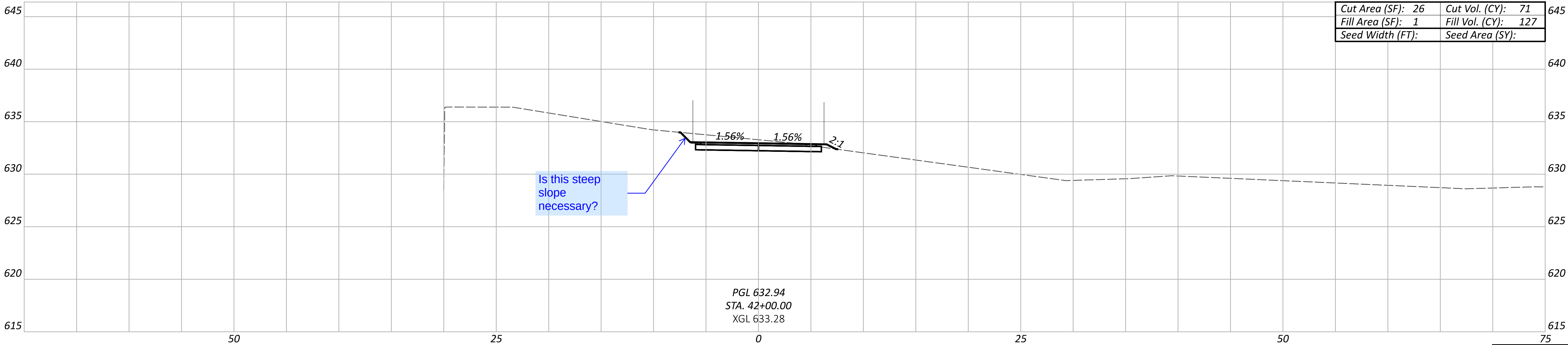
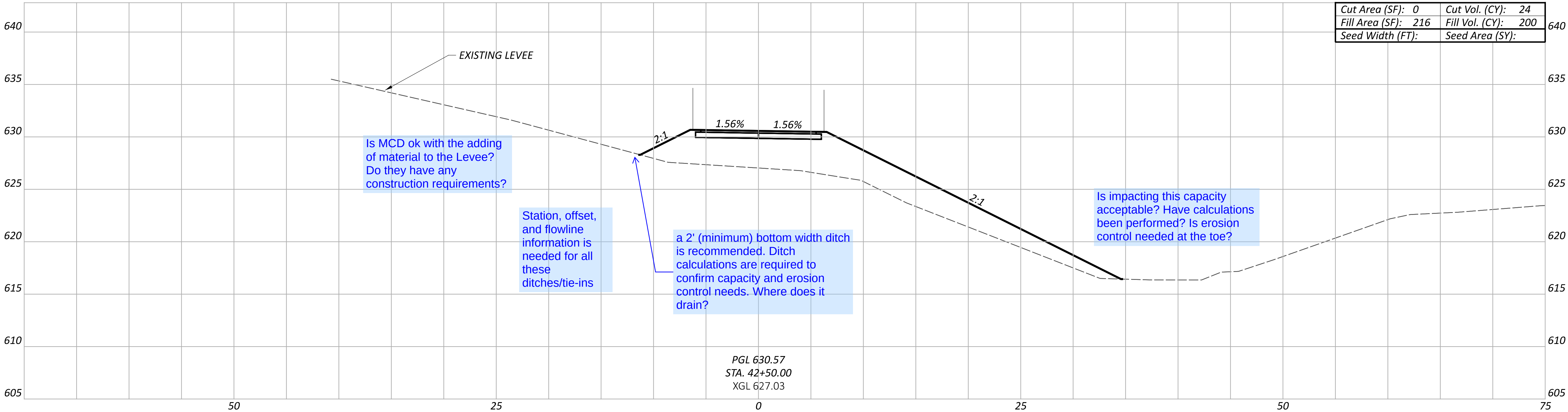
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.28 69



Sheet Totals		
Seeding	Cut	Fill

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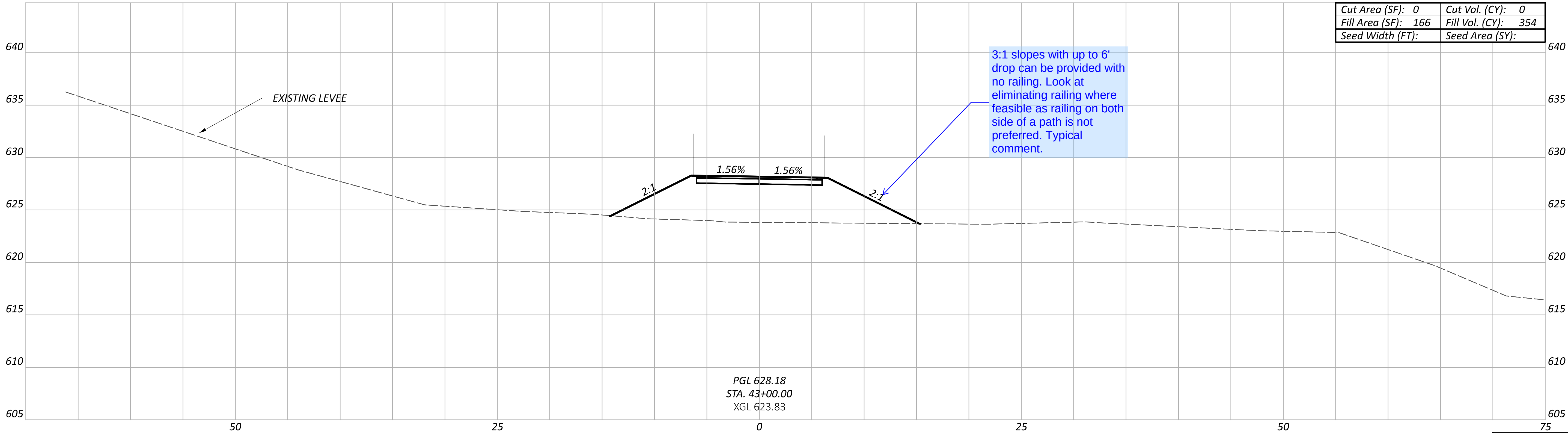
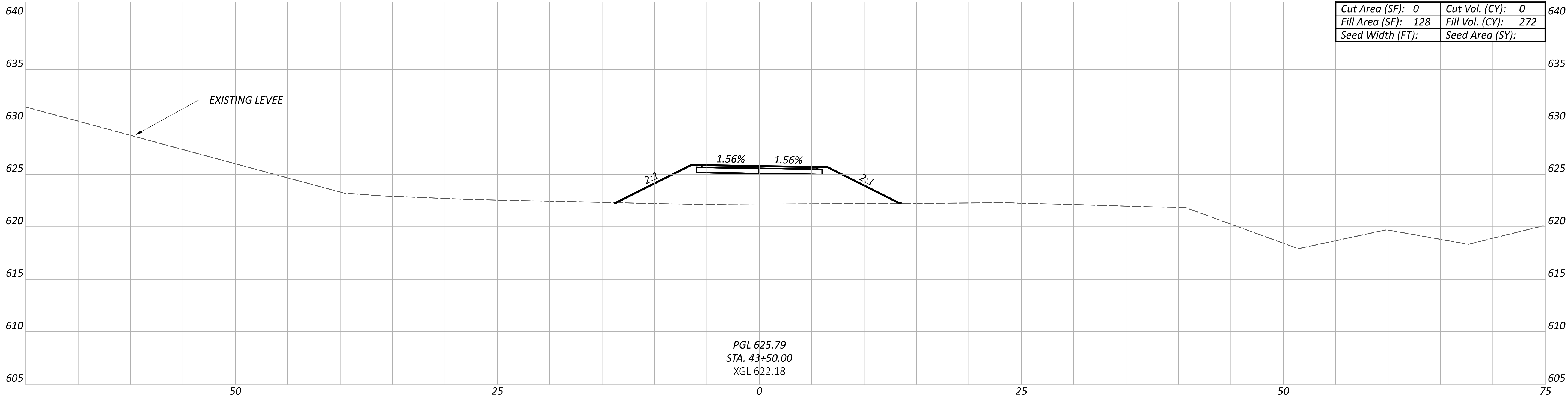
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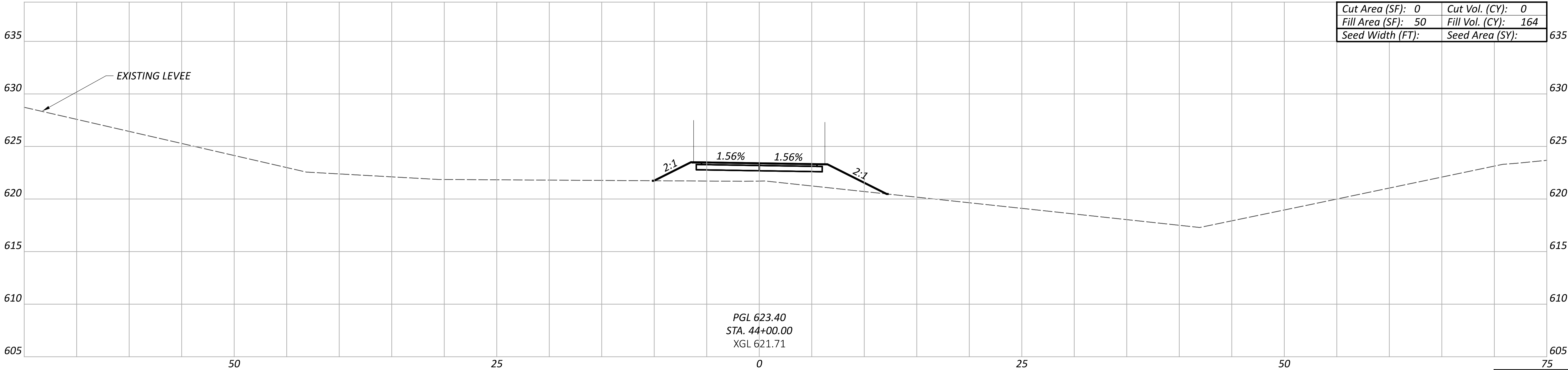
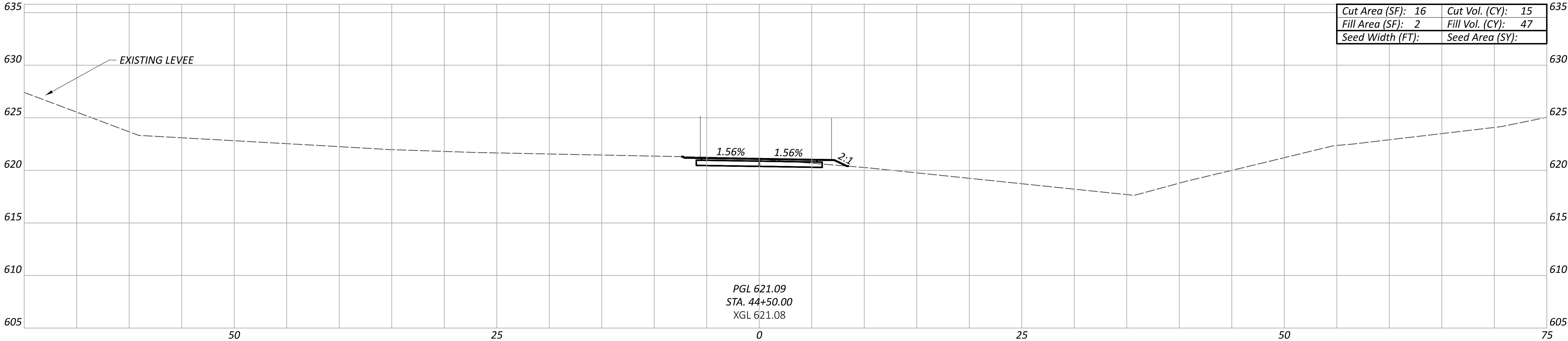
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Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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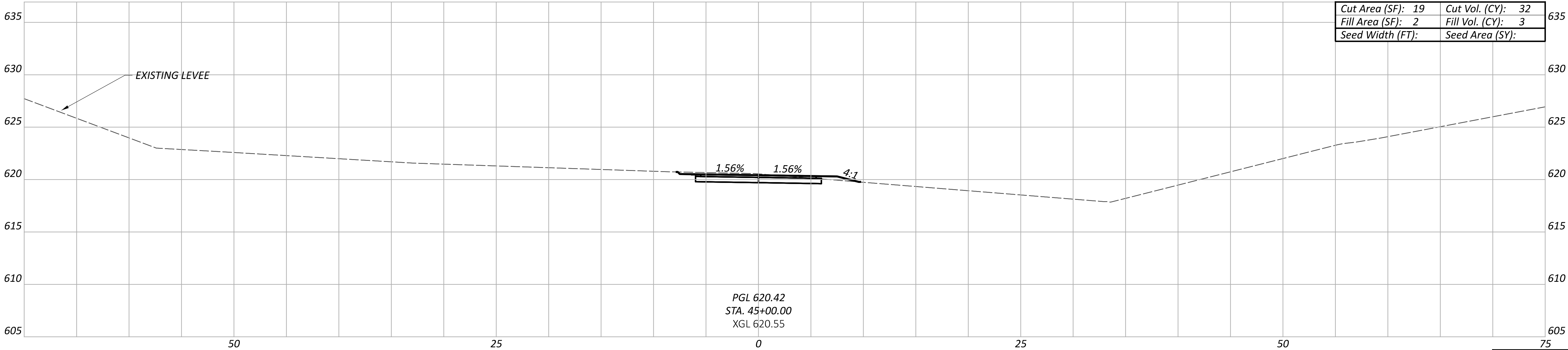
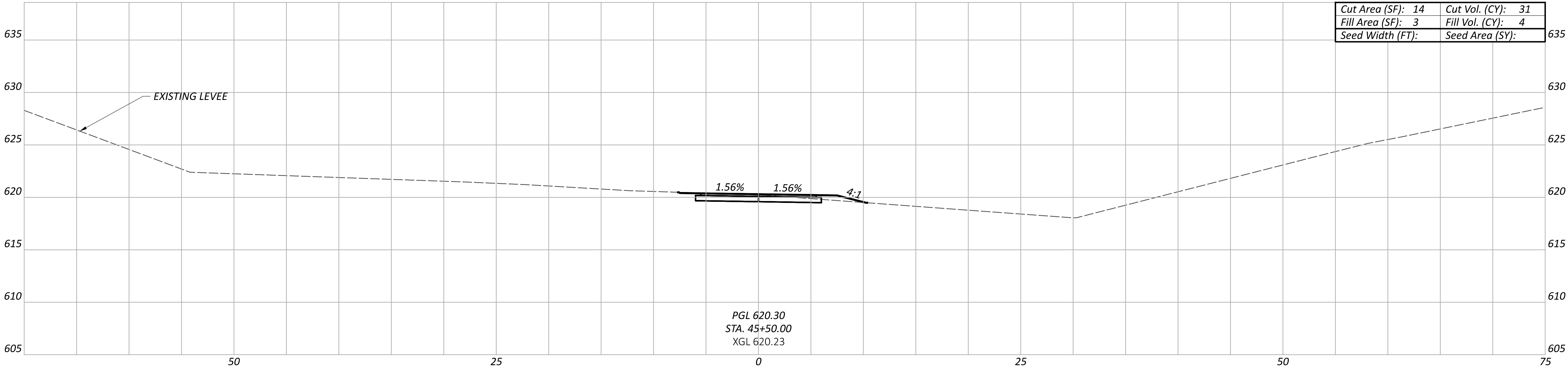
CROSS SECTIONS
GREAT MIAMI RIVER TRAIL



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P.31				69

CROSS SECTIONS
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Sheet Totals		
Seeding	Cut	Fill

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY

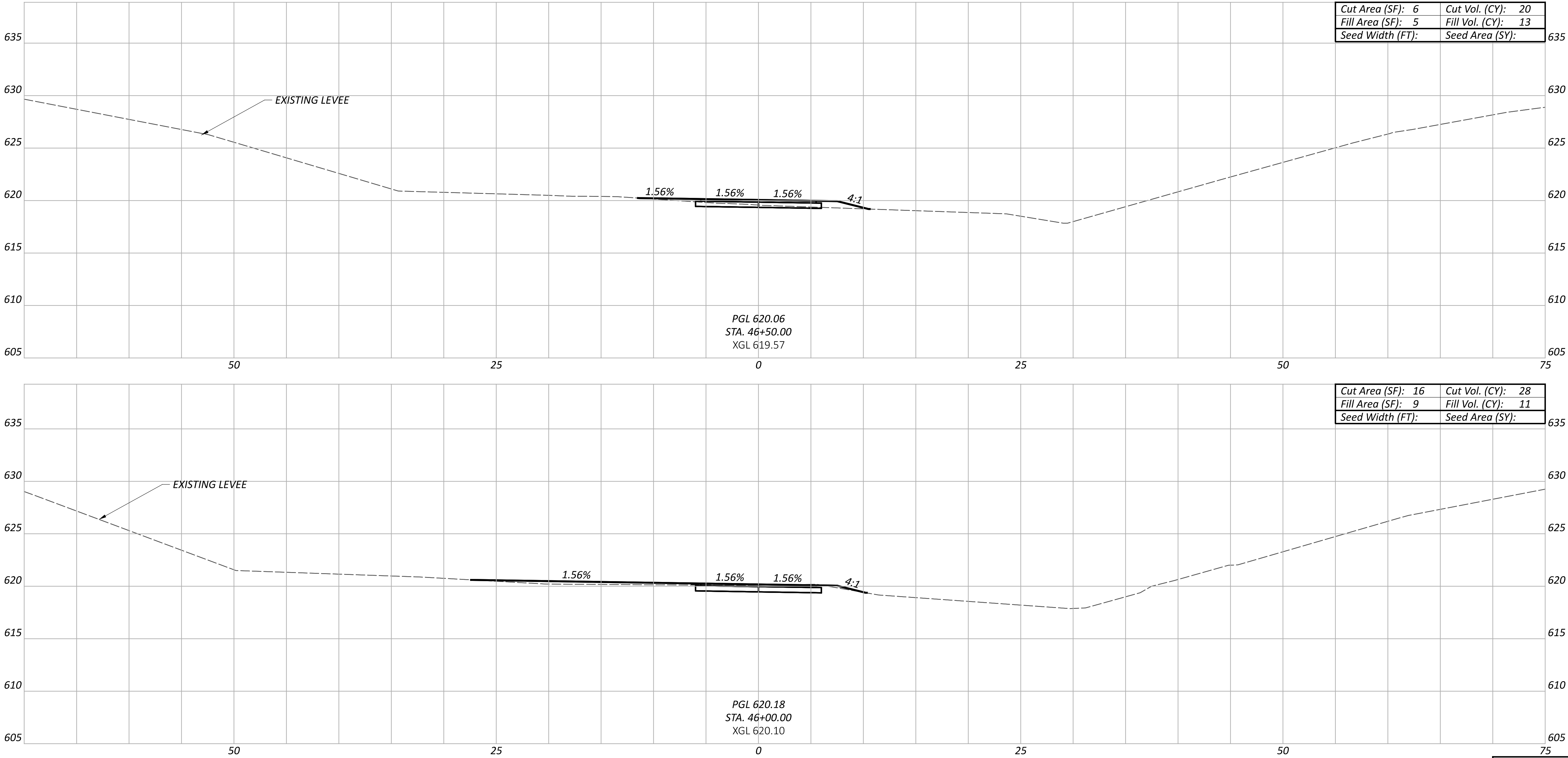
Civil & Environmental
Consultants, Inc.

DESIGNER
TKA

REVIEWER
JH 06-30-26

PROJECT ID
119064

SHEET	TOTAL
P.32	69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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PROJECT ID

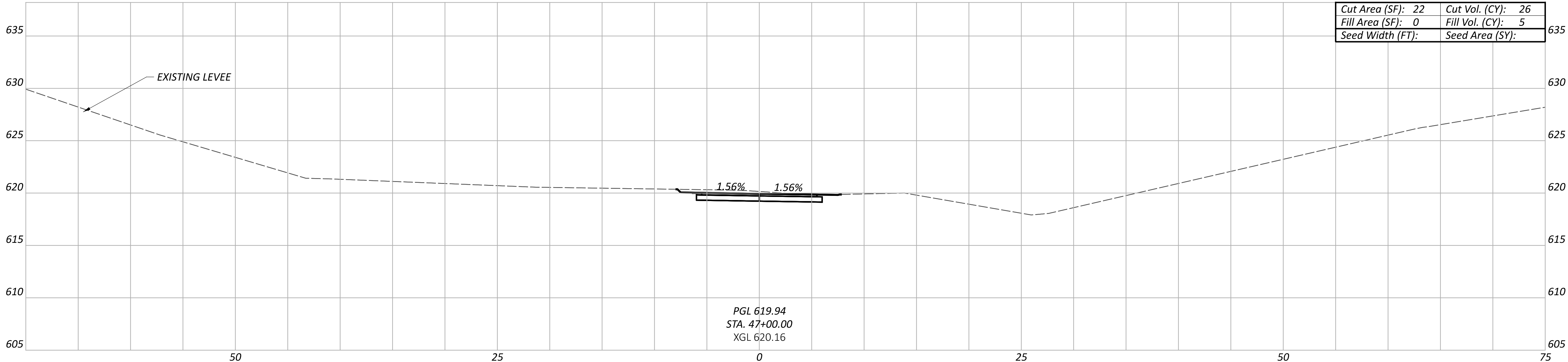
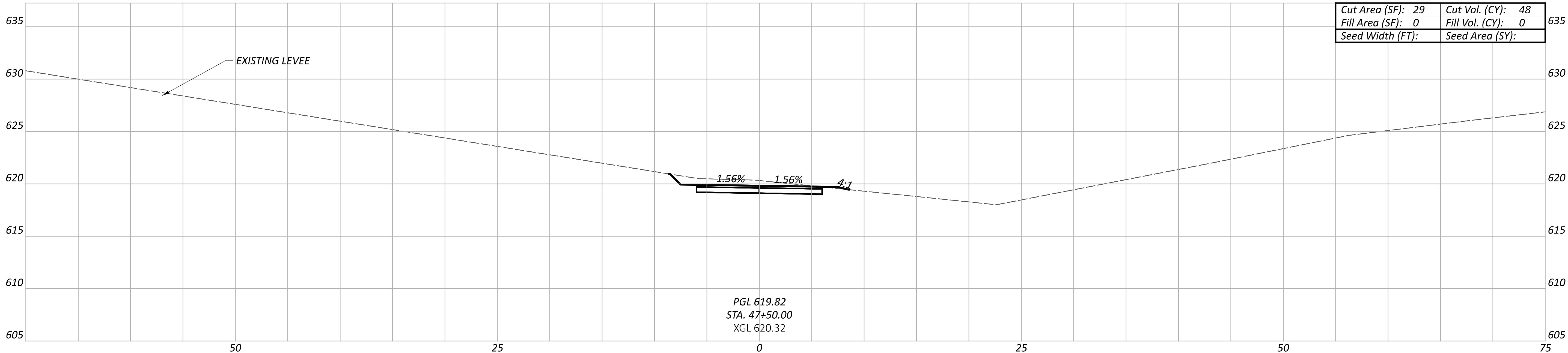
119064

Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.33 69



Sheet Totals		
Seeding	Cut	Fill

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY


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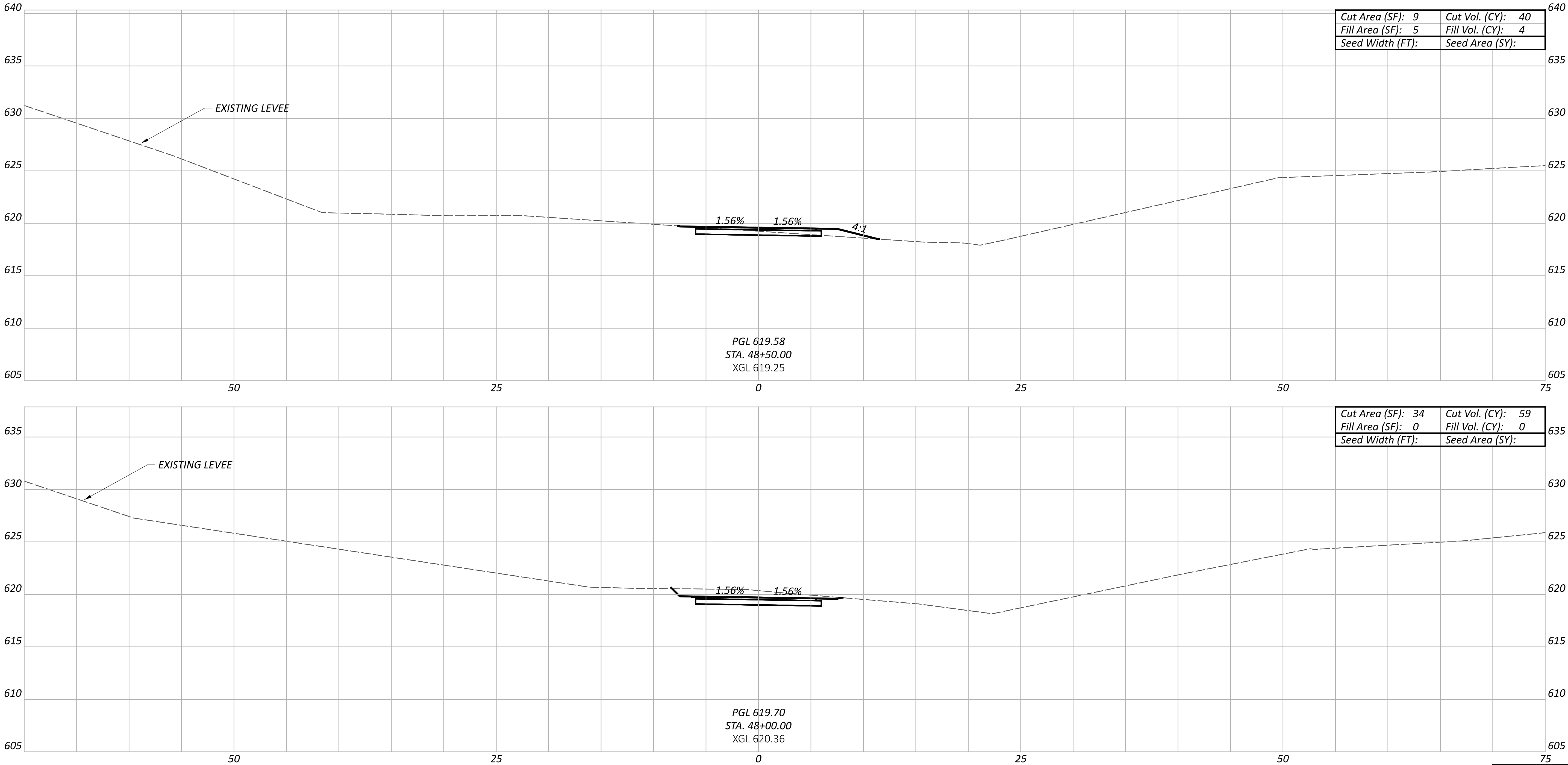
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JH 06-30-26

PROJECT ID

119064

SHEET	TOTAL
P.34	69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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JH 06-30-26

PROJECT ID

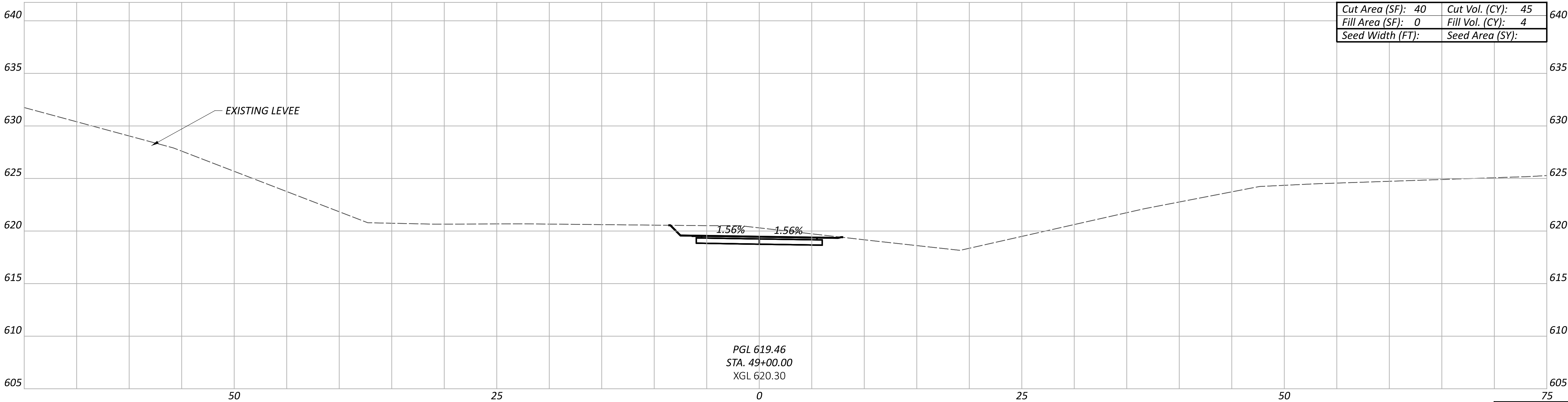
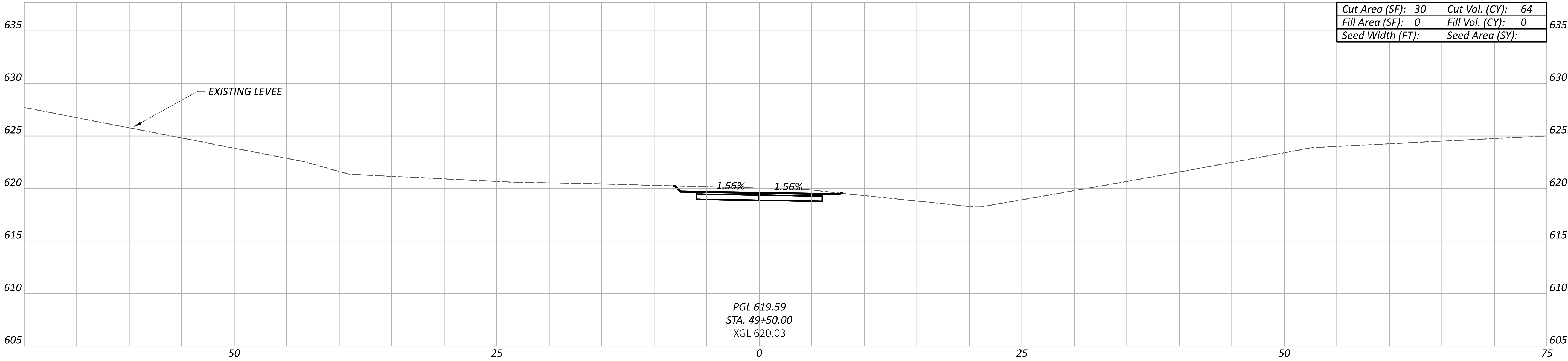
119064

Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.35 69



Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
P.36	69			

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

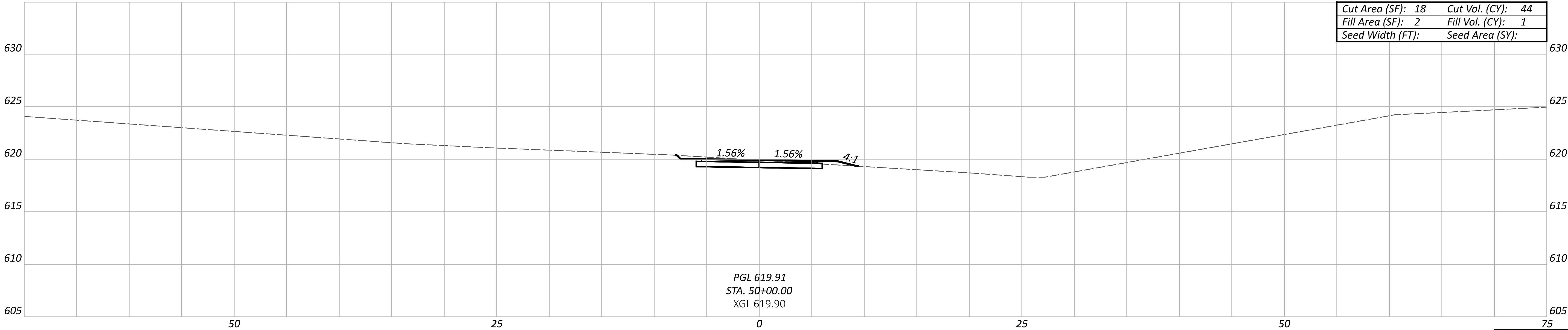
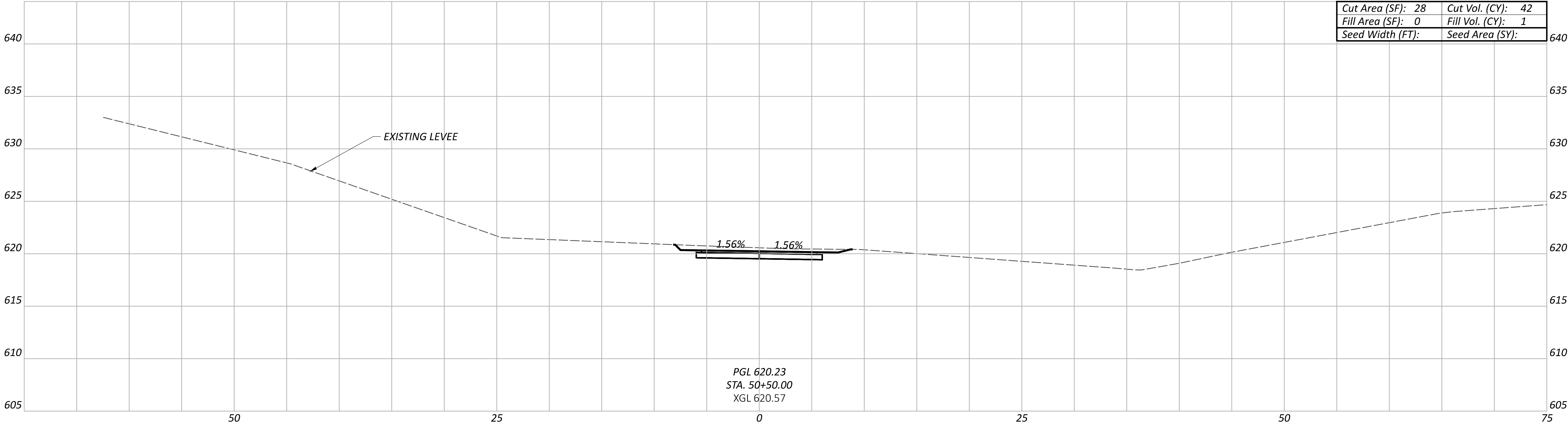
DESIGN AGENCY



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JH 06-30-26

PROJECT ID
119064



Sheet Totals			119064	
Seeding	Cut	Fill	SHEET	TOTAL
			P.37	69

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

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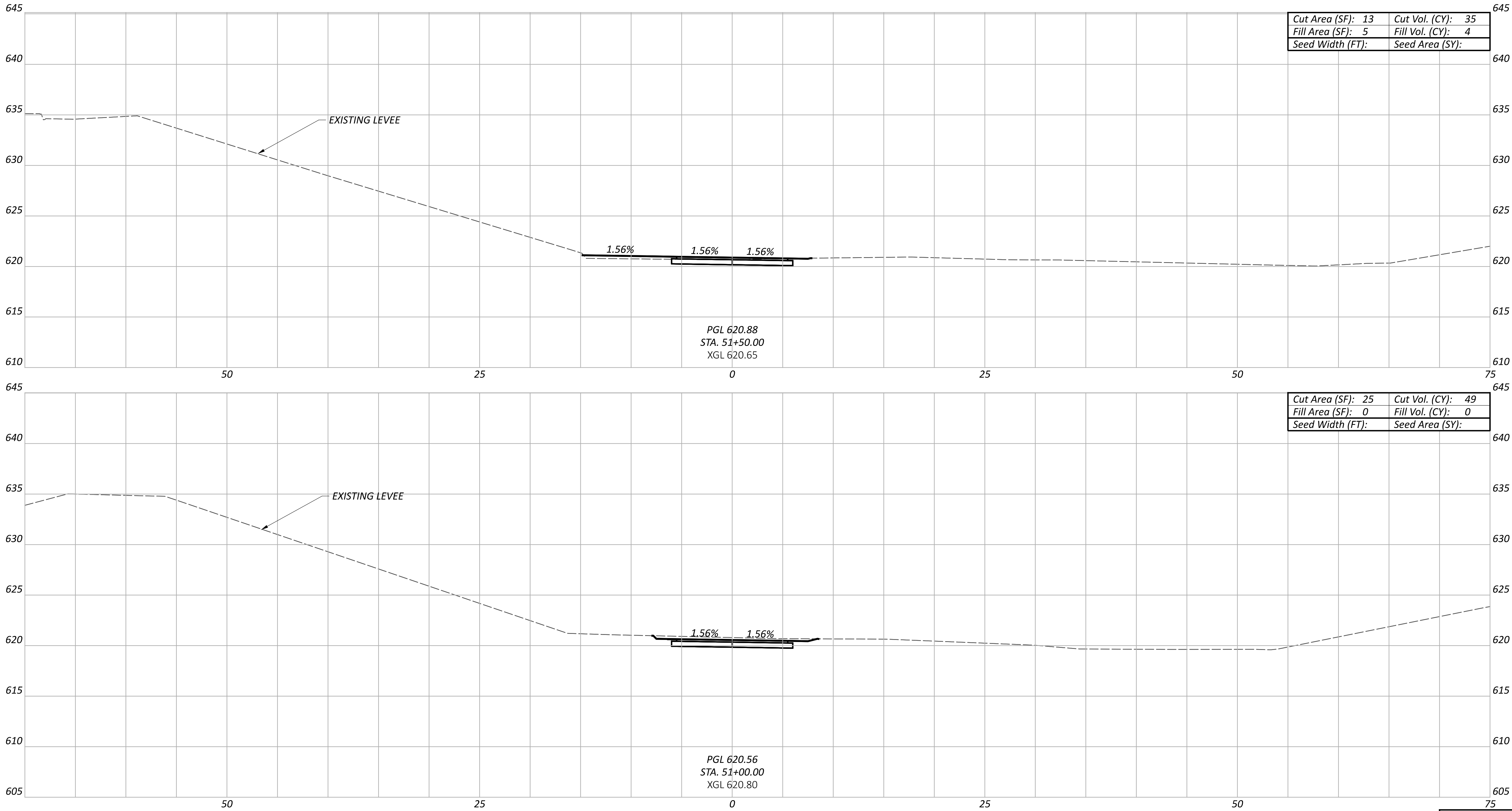
TKA

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JH 06-30-26

PROJECT ID

119064



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Fill Area (SF):	5	Fill Vol. (CY):	4
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	25	Cut Vol. (CY):	49
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):		Seed Area (SY):	

Sheet Totals		
Seeding	Cut	Fill
P.38		

DESIGN AGENCY



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119064

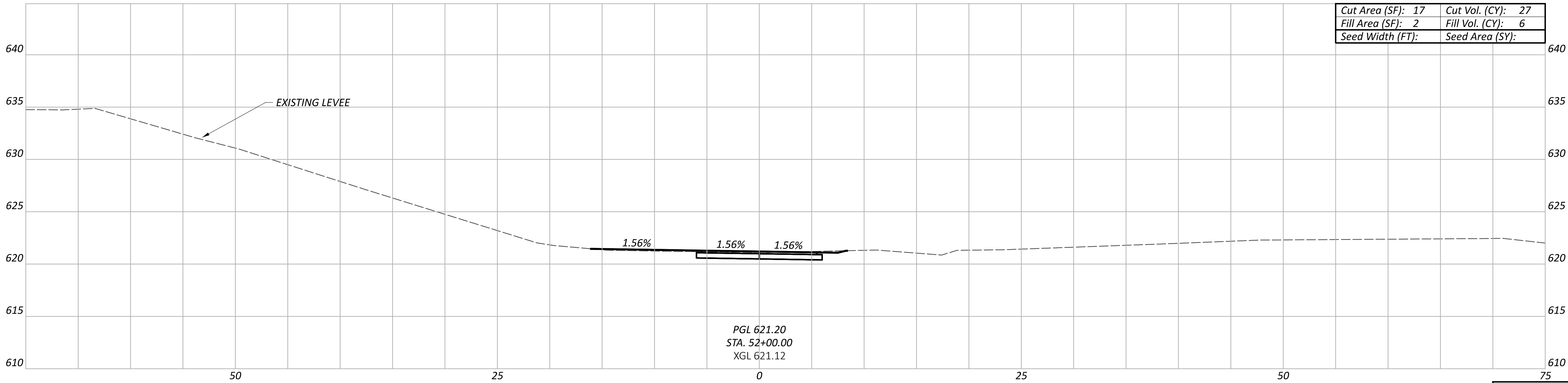
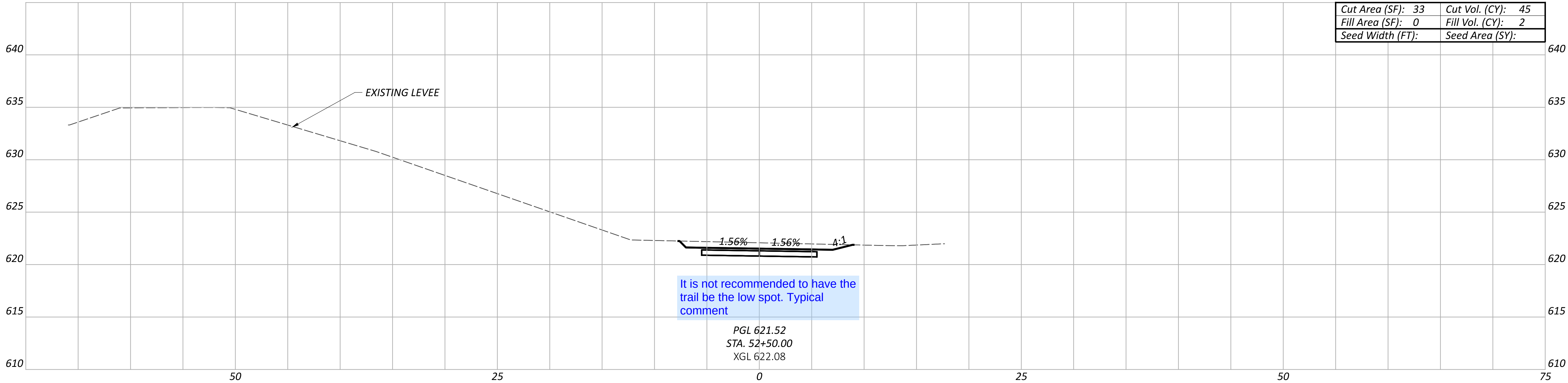
SHEET

P.38

TOTAL

69

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL



Sheet Totals		
Seeding	Cut	Fill

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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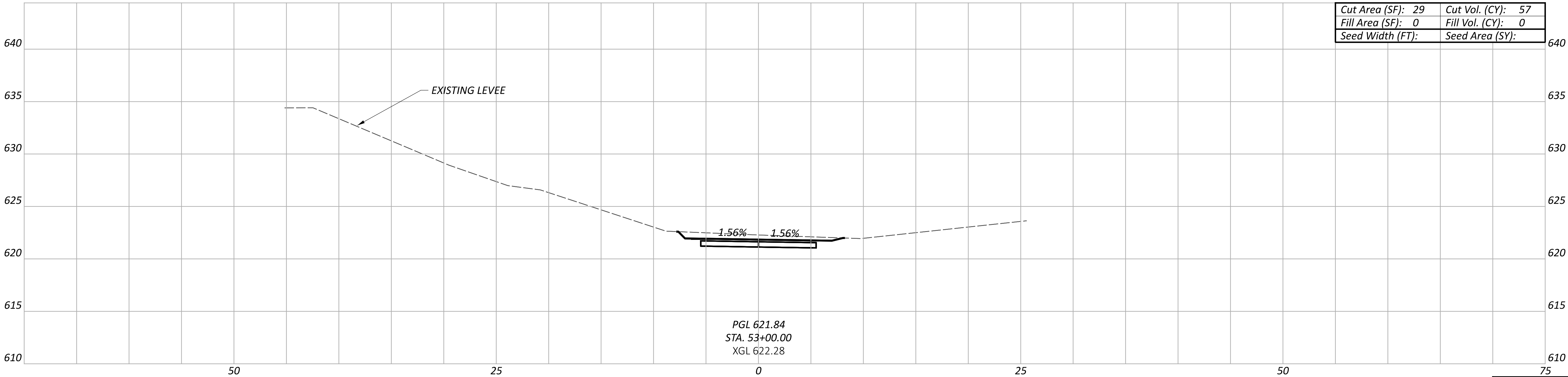
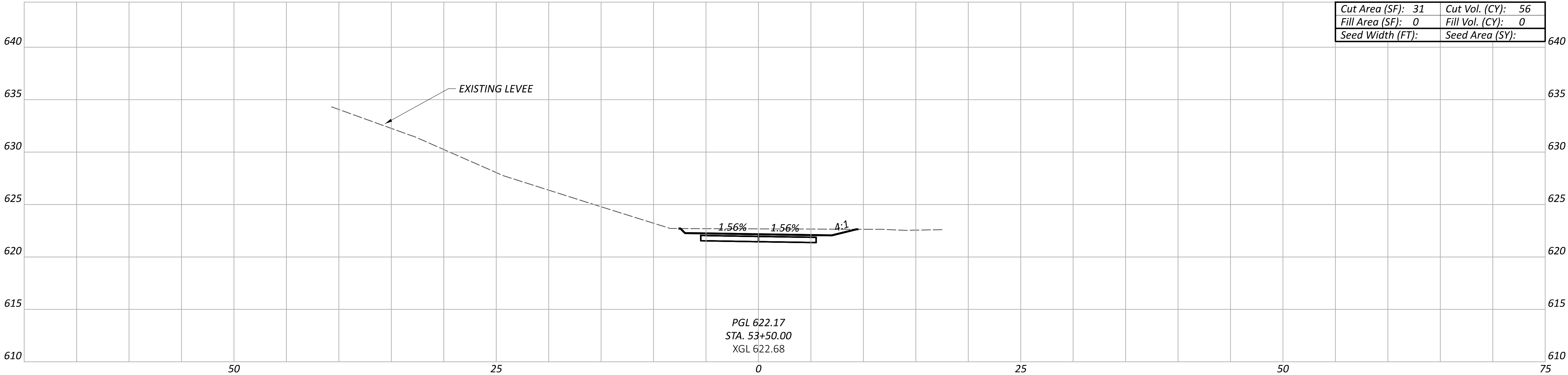
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SHEET

P.39

TOTAL

69



Sheet Totals			119064
Seeding	Cut	Fill	

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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REVIEWER

JH 06-30-26

PROJECT ID

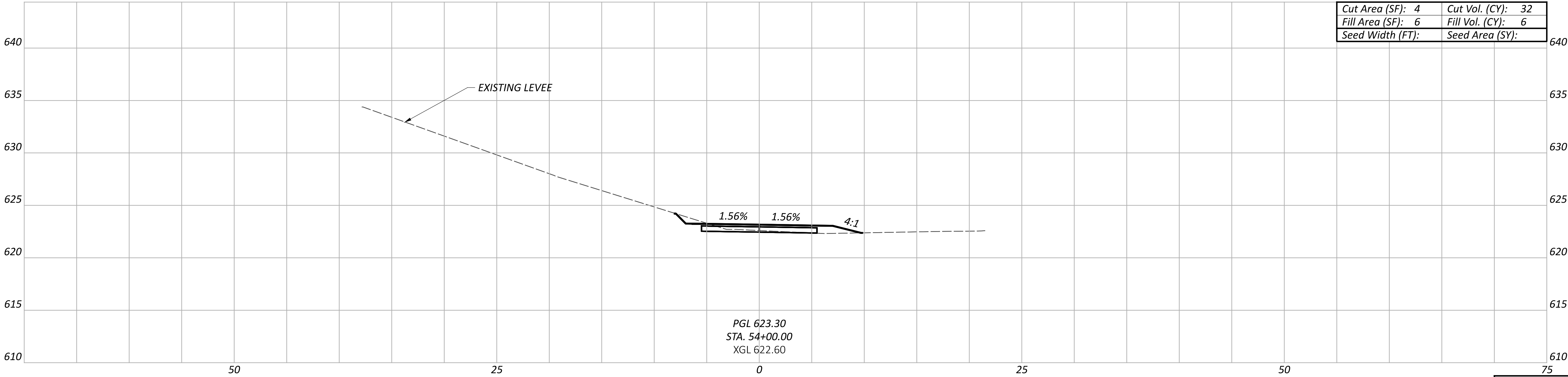
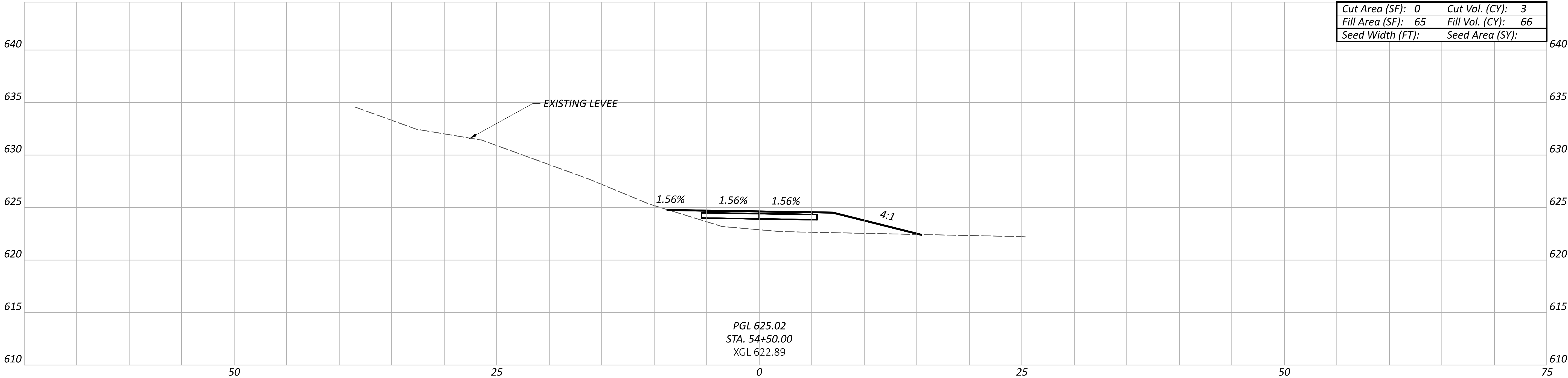
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SHEET

P.40

TOTAL

69



Sheet Totals			119064
Seeding	Cut	Fill	

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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REVIEWER

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PROJECT ID

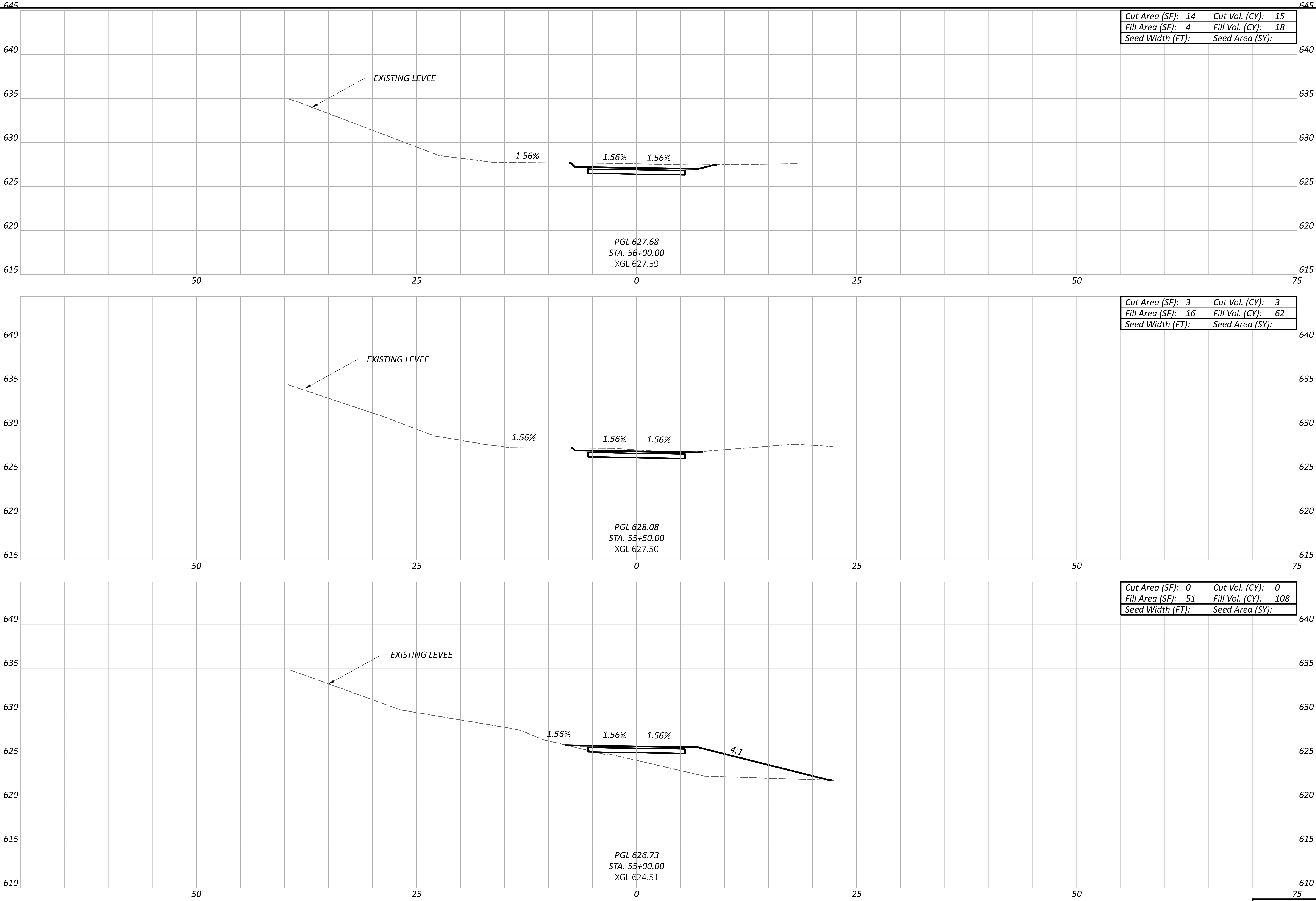
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SHEET

P.41

TOTAL

69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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PROJECT ID

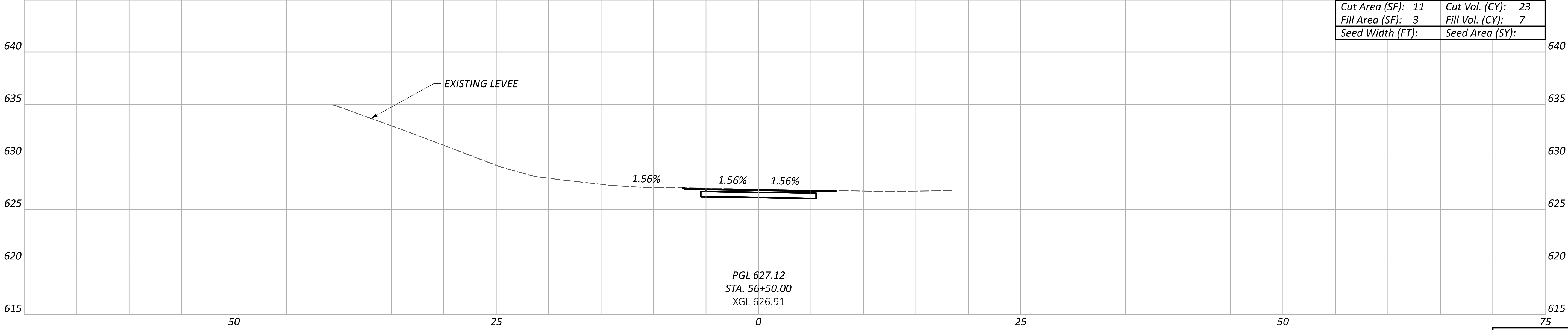
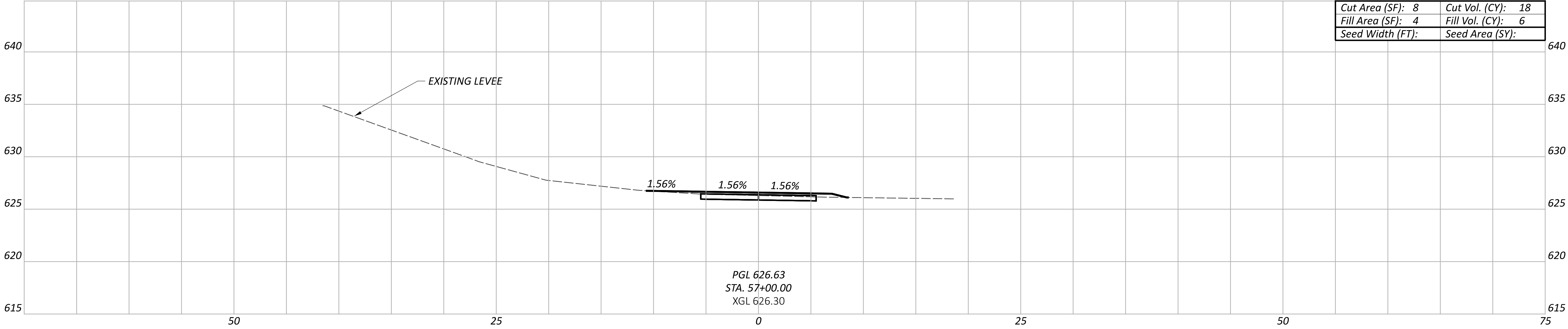
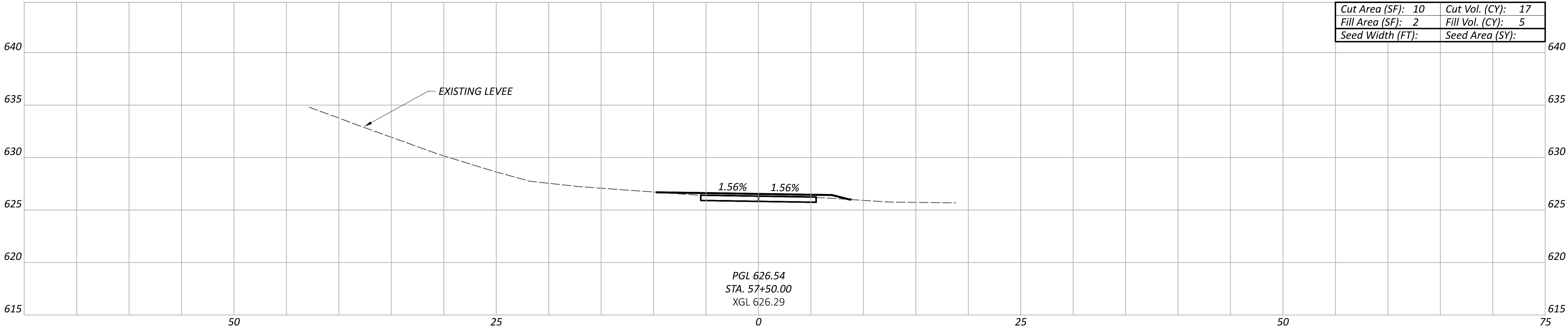
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.42 69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



DESIGNER

TKA

REVIEWER

JH 06-30-26

PROJECT ID

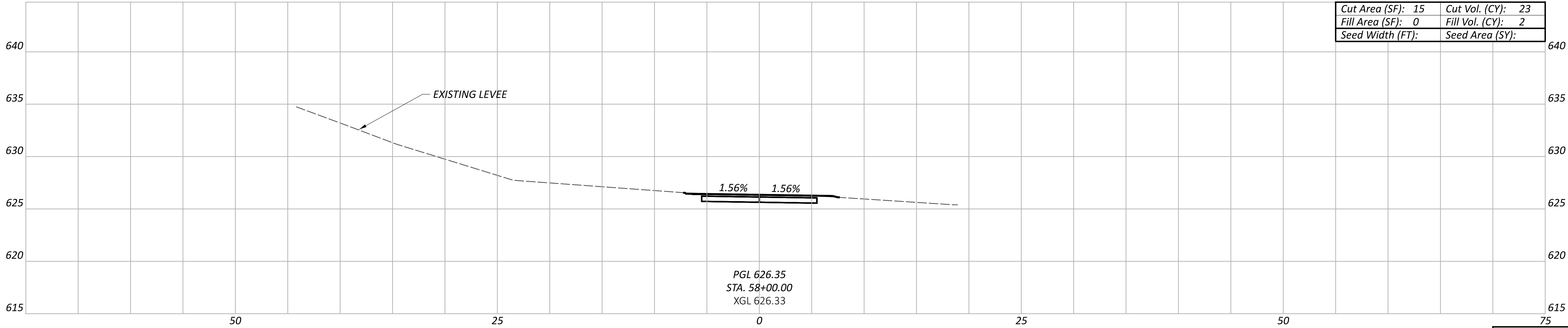
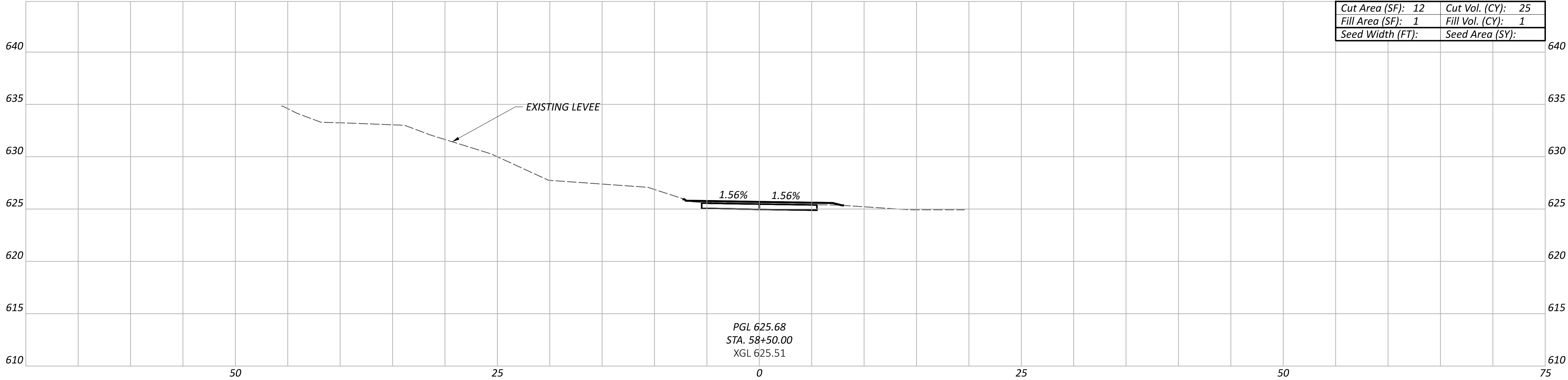
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.43 69



Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
			P.44	69

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY


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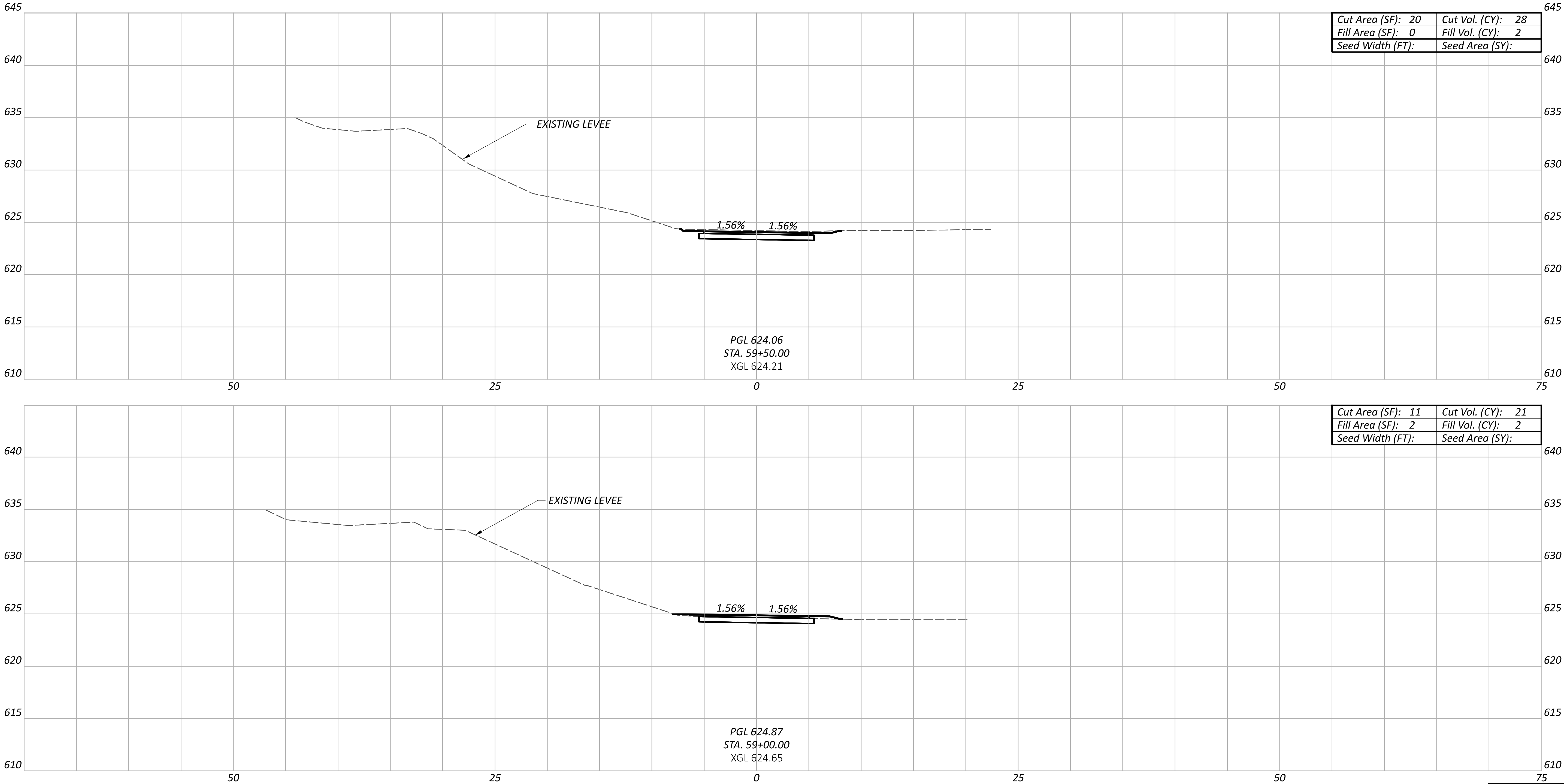
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REVIEWER

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PROJECT ID

119064



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



DESIGNER

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REVIEWER

JH 06-30-26

PROJECT ID

119064

Sheet Totals

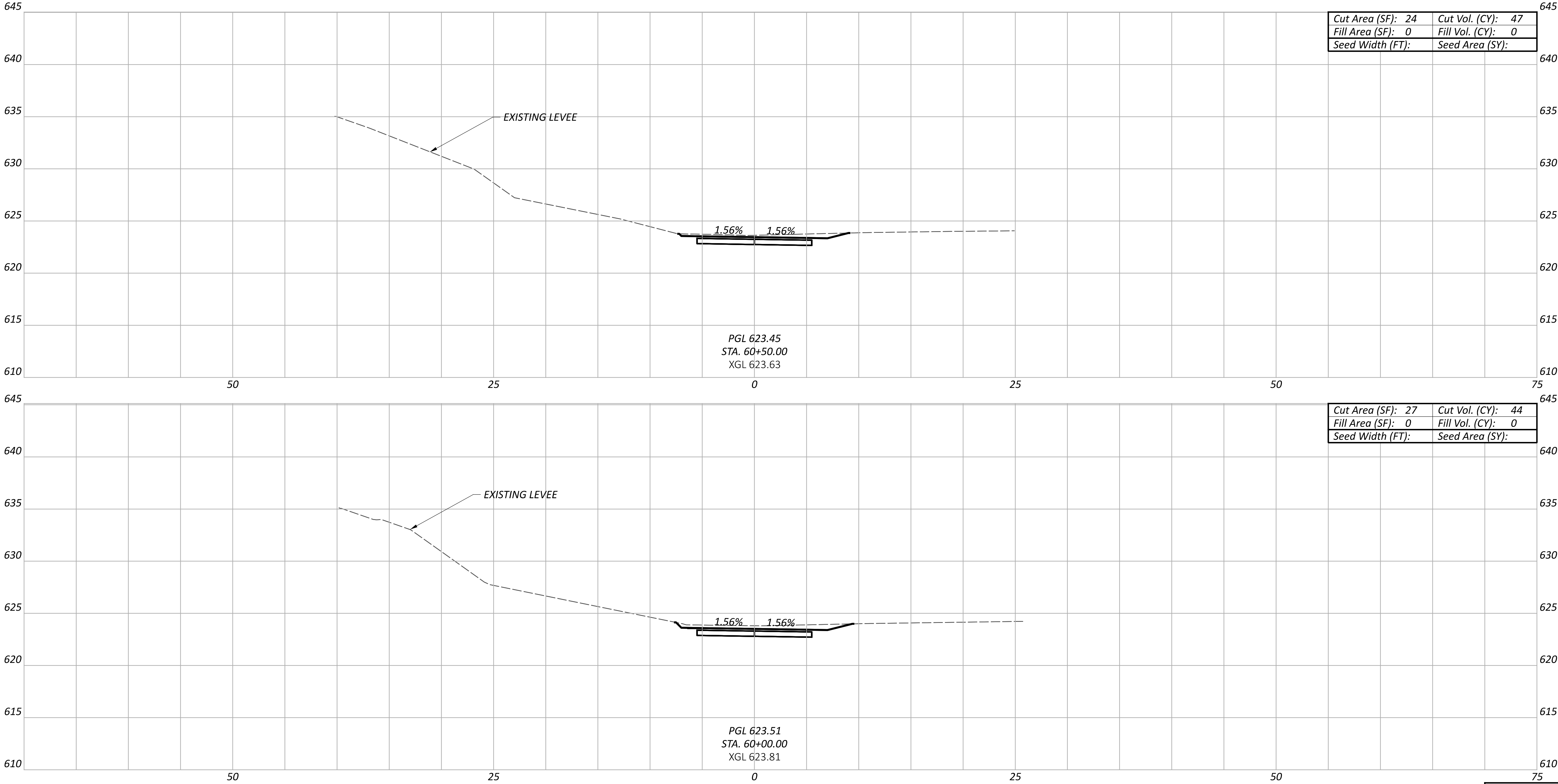
Seeding Cut Fill

SHEET

P.45

TOTAL

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CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



DESIGNER

TKA

REVIEWER

JH 06-30-26

PROJECT ID

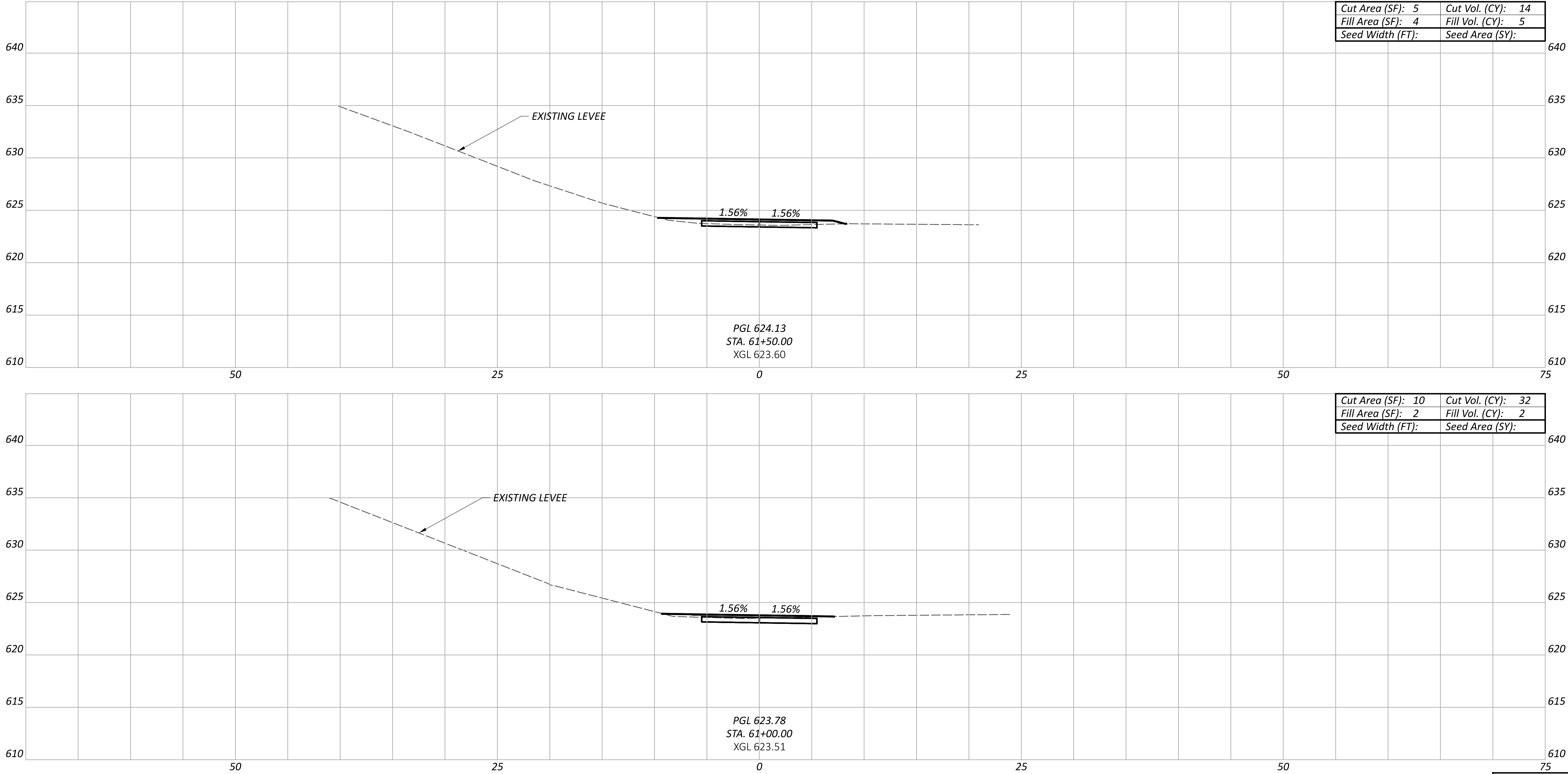
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.46 69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



DESIGNER

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REVIEWER

JH 06-30-26

PROJECT ID

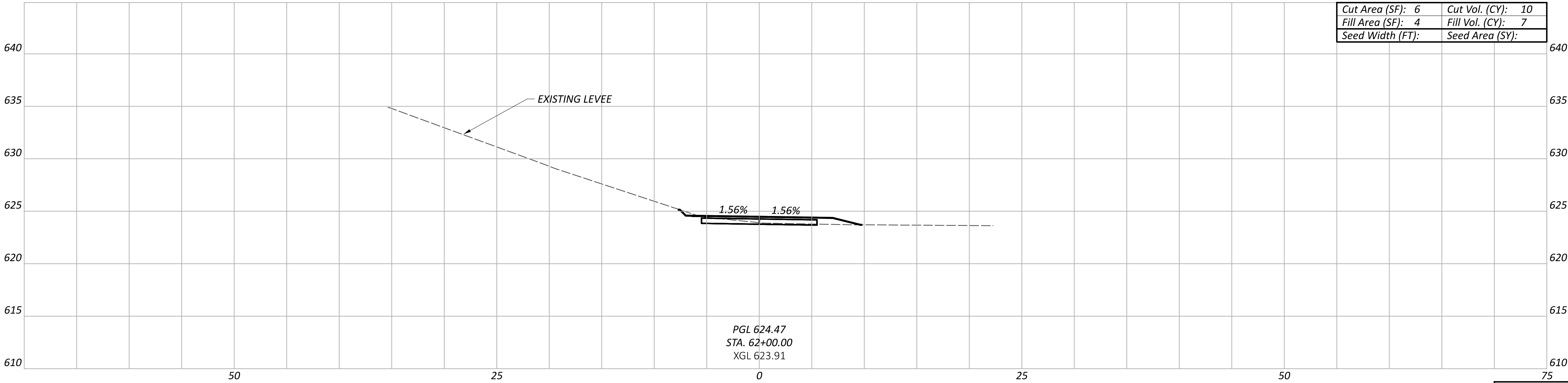
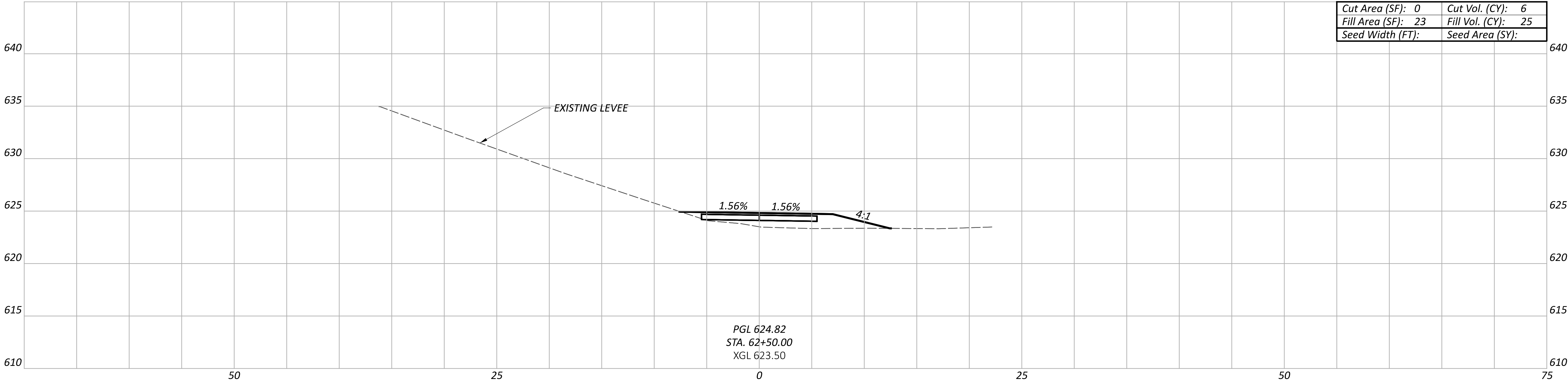
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Sheet Totals

Seeding	Cut	Fill
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SHEET	TOTAL
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P.47	69
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Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
	P.48			69

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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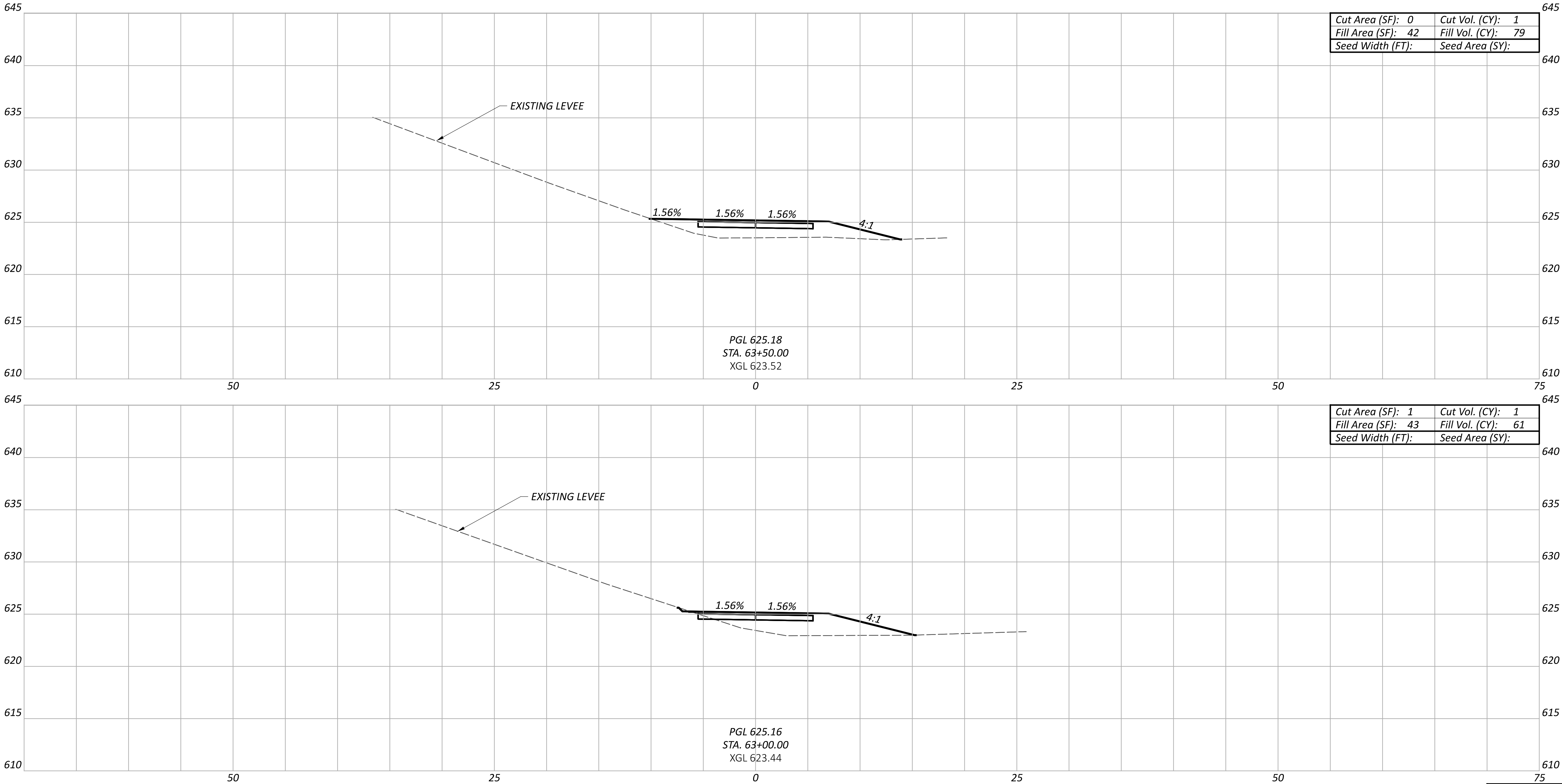
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JH 06-30-26

PROJECT ID

119064



Cut Area (SF):	0	Cut Vol. (CY):	1
Fill Area (SF):	42	Fill Vol. (CY):	79
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	1	Cut Vol. (CY):	1
Fill Area (SF):	43	Fill Vol. (CY):	61
Seed Width (FT):		Seed Area (SY):	

Sheet Totals		
Seeding	Cut	Fill

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PROJECT ID

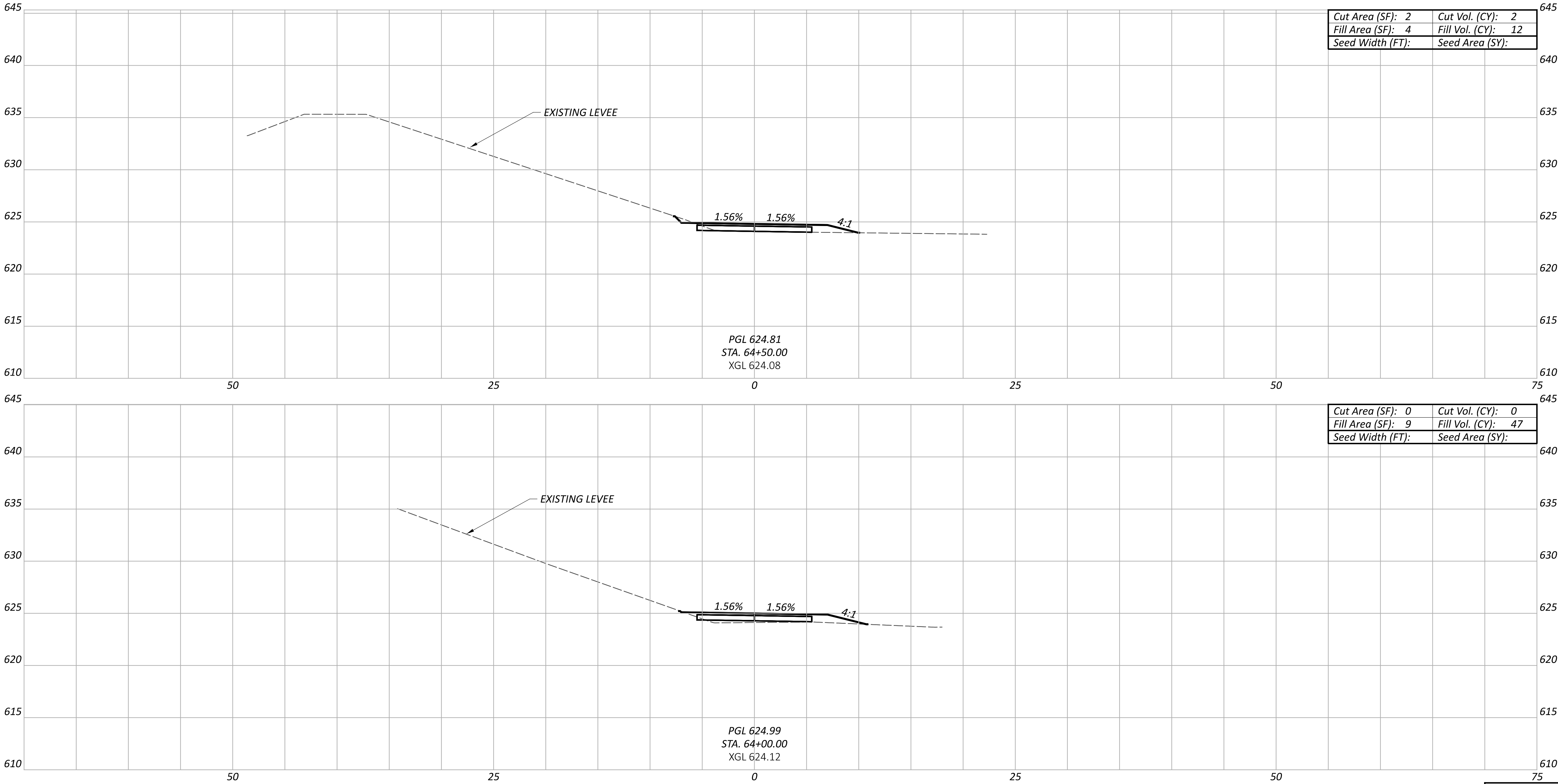
119064

SHEET

P.49

TOTAL

69



Cut Area (SF):	2	Cut Vol. (CY):	2
Fill Area (SF):	4	Fill Vol. (CY):	12
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	0	Cut Vol. (CY):	0
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Seed Width (FT):		Seed Area (SY):	

Sheet Totals		
Seeding	Cut	Fill

DESIGN AGENCY

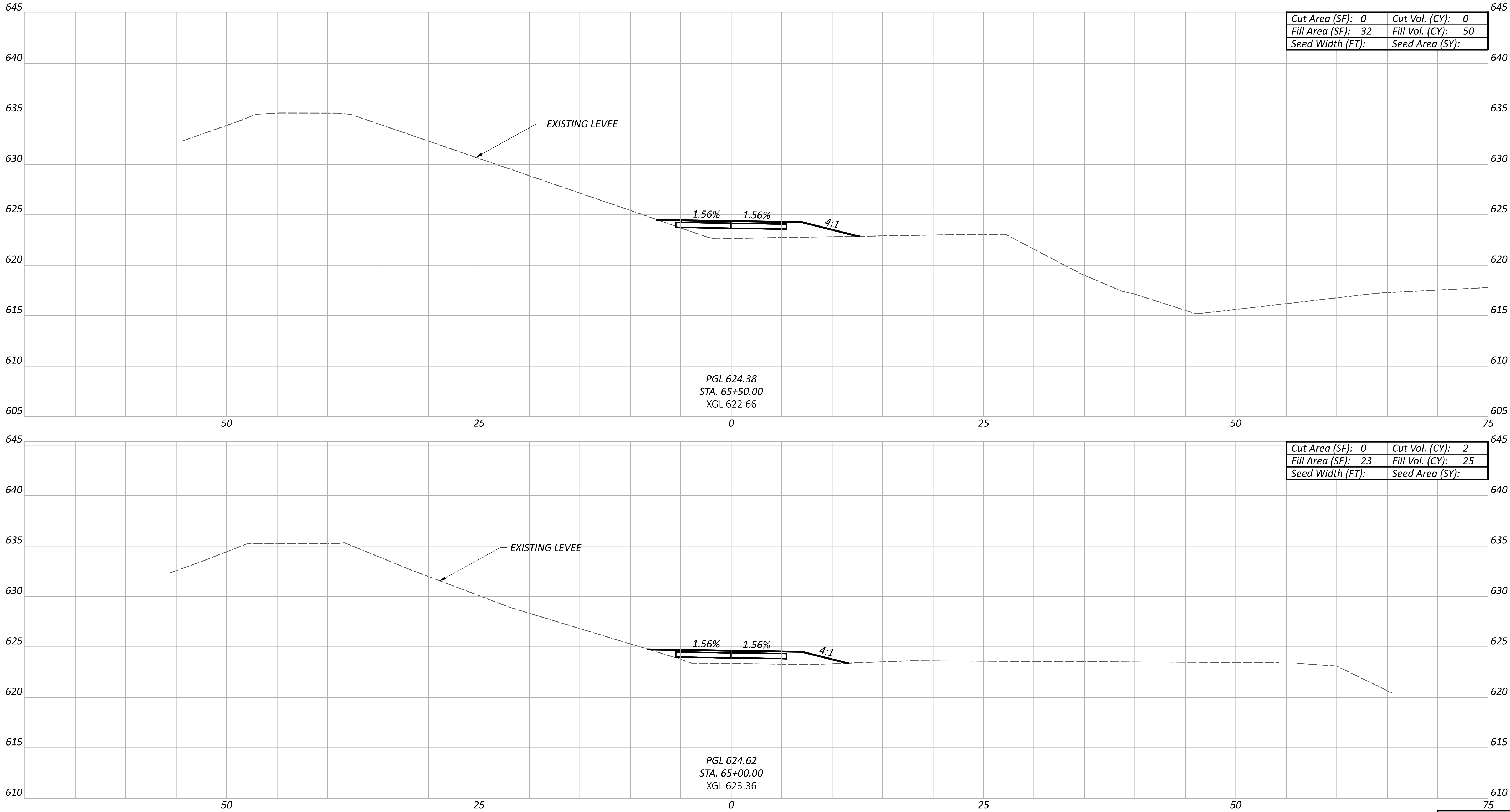

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PROJECT ID
119064

SHEET	TOTAL
P.50	69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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PROJECT ID

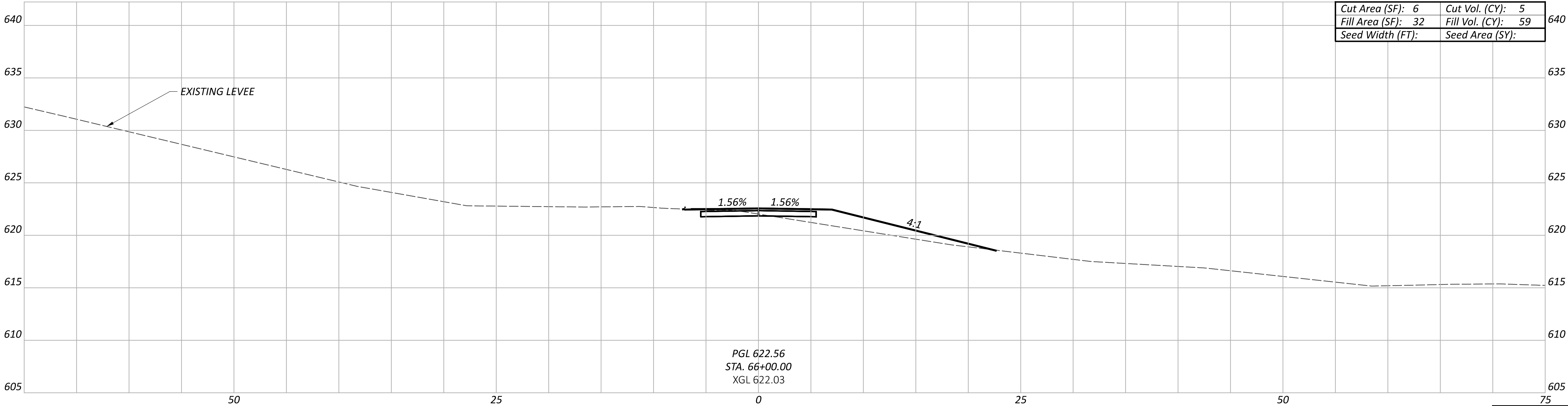
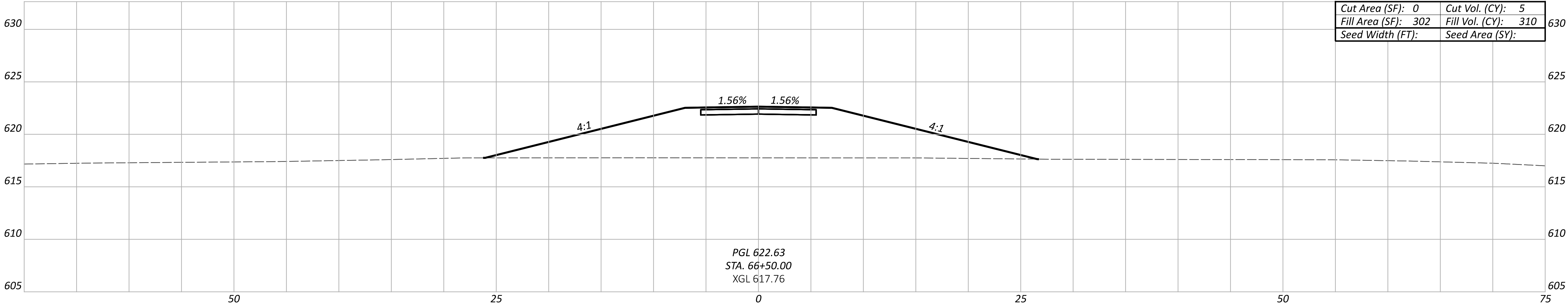
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

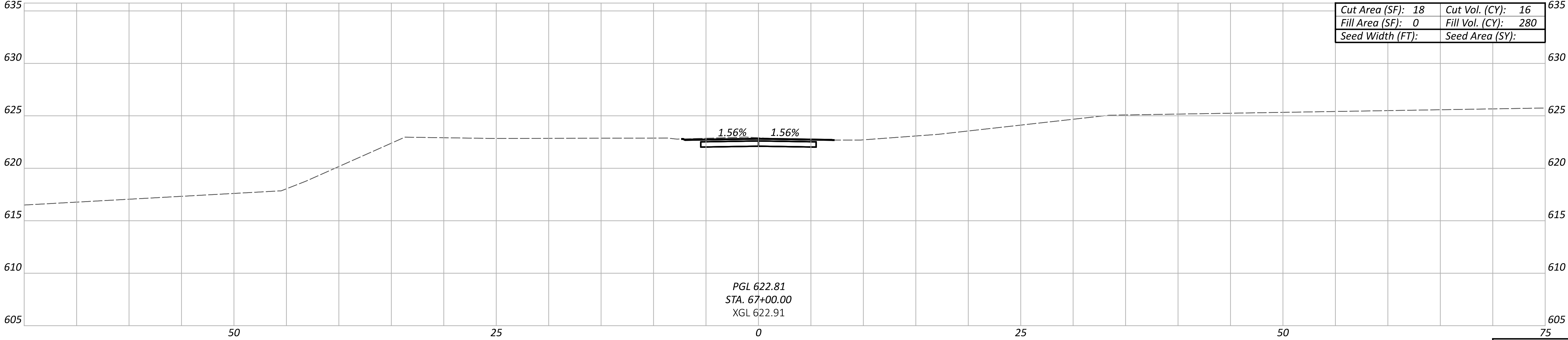
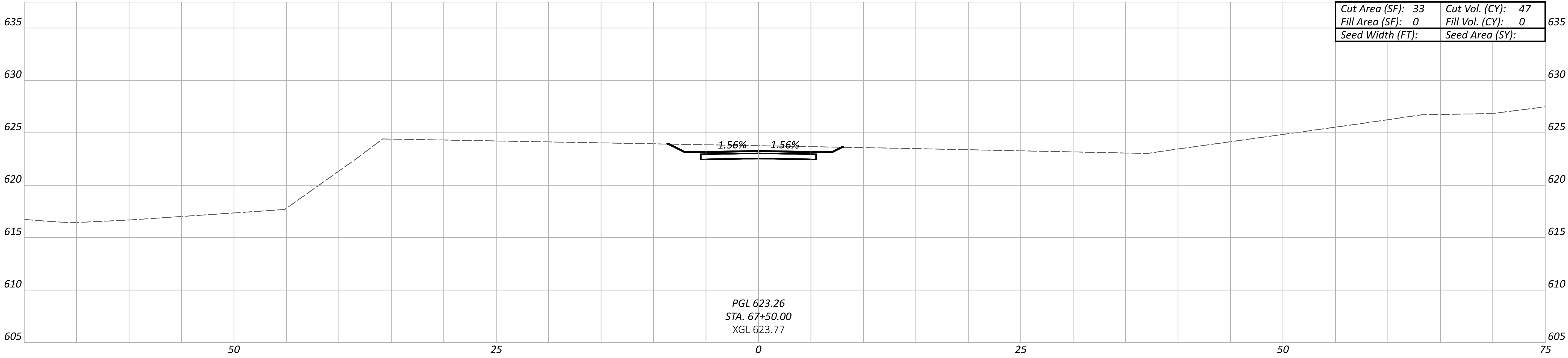
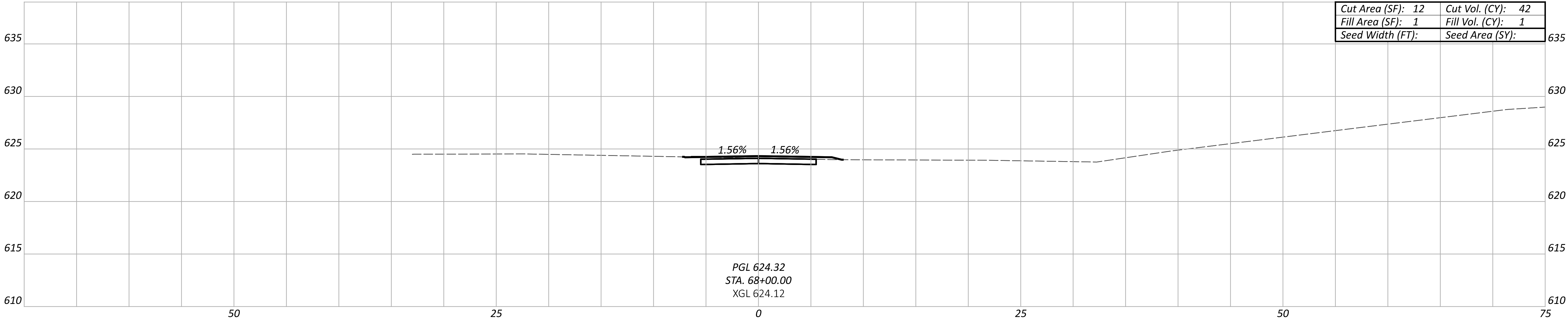
P.51 69



Sheet Totals			119064	
Seeding	Cut	Fill	SHEET	TOTAL
			P.52	69

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY	
 Civil & Environmental Consultants, Inc.	
DESIGNER	
TKA	
REVIEWER	
JH 06-30-26	
PROJECT ID	
119064	



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



DESIGNER

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REVIEWER

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PROJECT ID

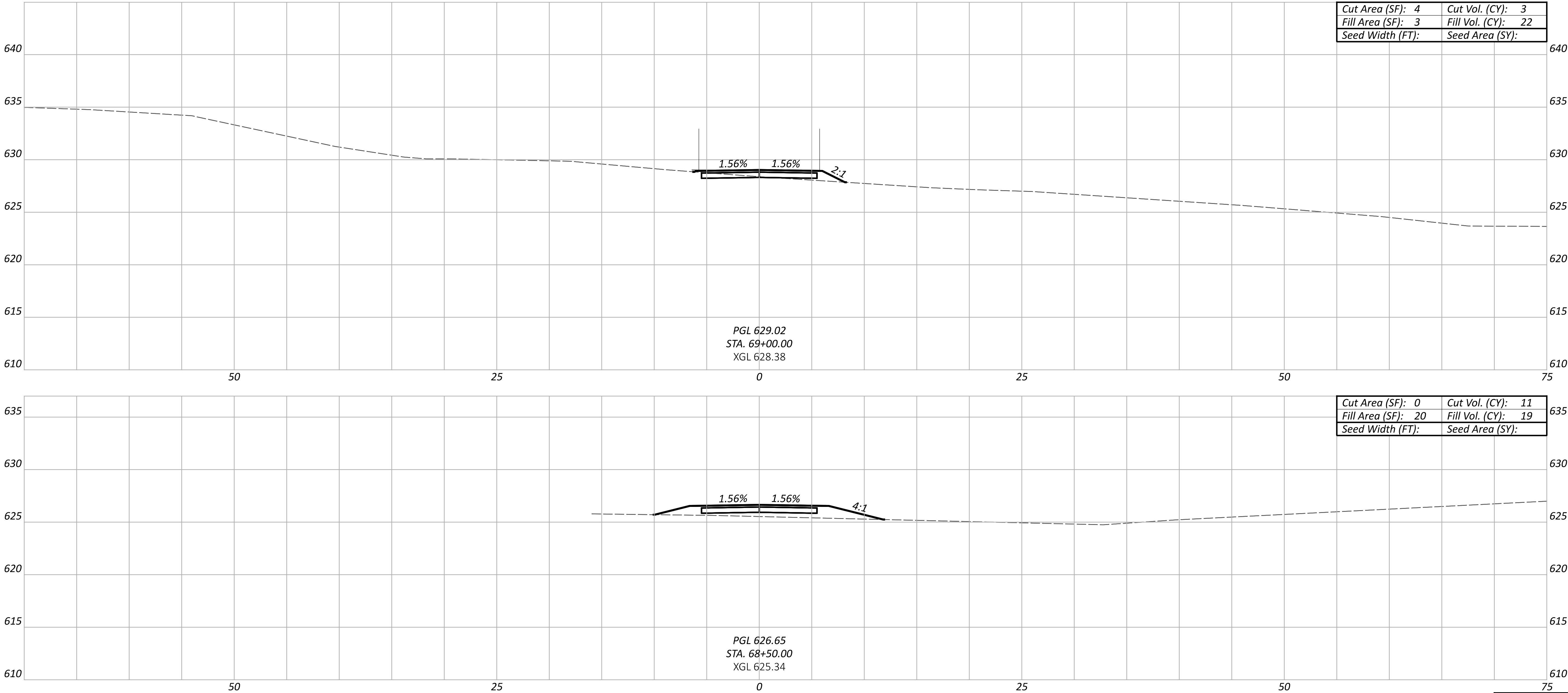
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.53 69



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Fill Area (SF): 3	Fill Vol. (CY): 22
Seed Width (FT):	Seed Area (SY):

Cut Area (SF): 0	Cut Vol. (CY): 11
Fill Area (SF): 20	Fill Vol. (CY): 19
Seed Width (FT):	Seed Area (SY):

Sheet Totals		
Seeding	Cut	Fill

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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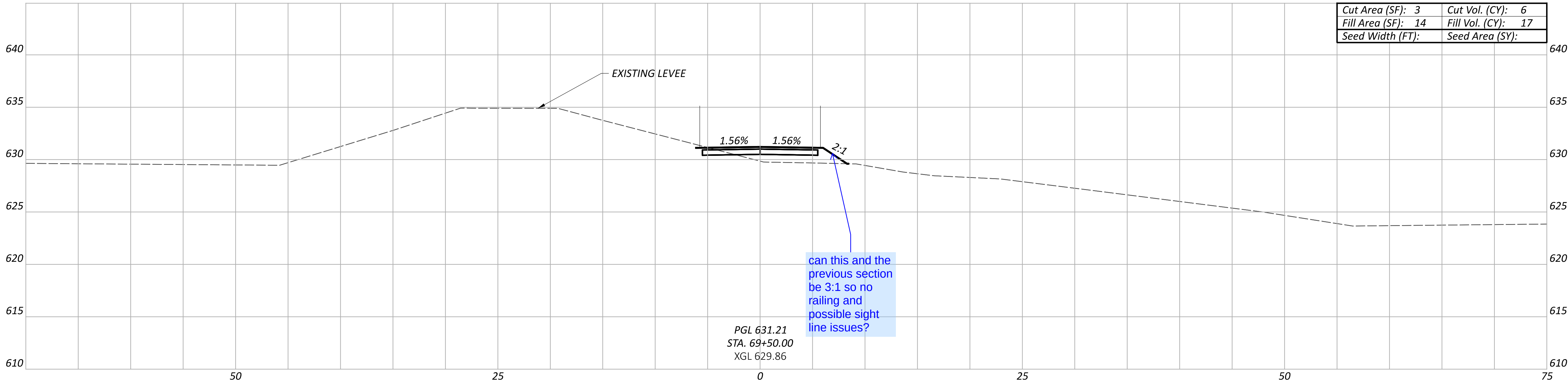
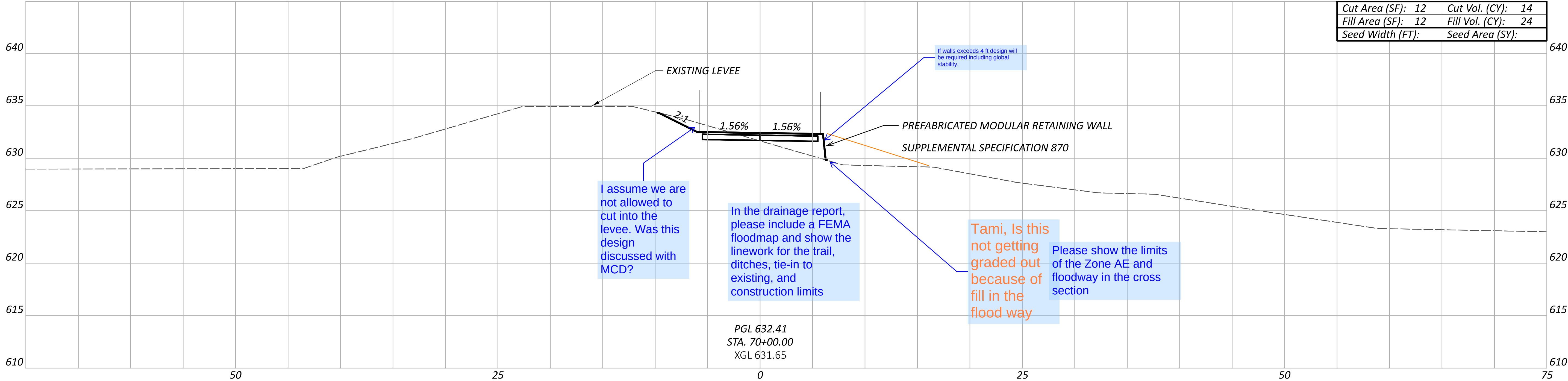
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PROJECT ID

119064

SHEET	TOTAL
P.54	69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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PROJECT ID

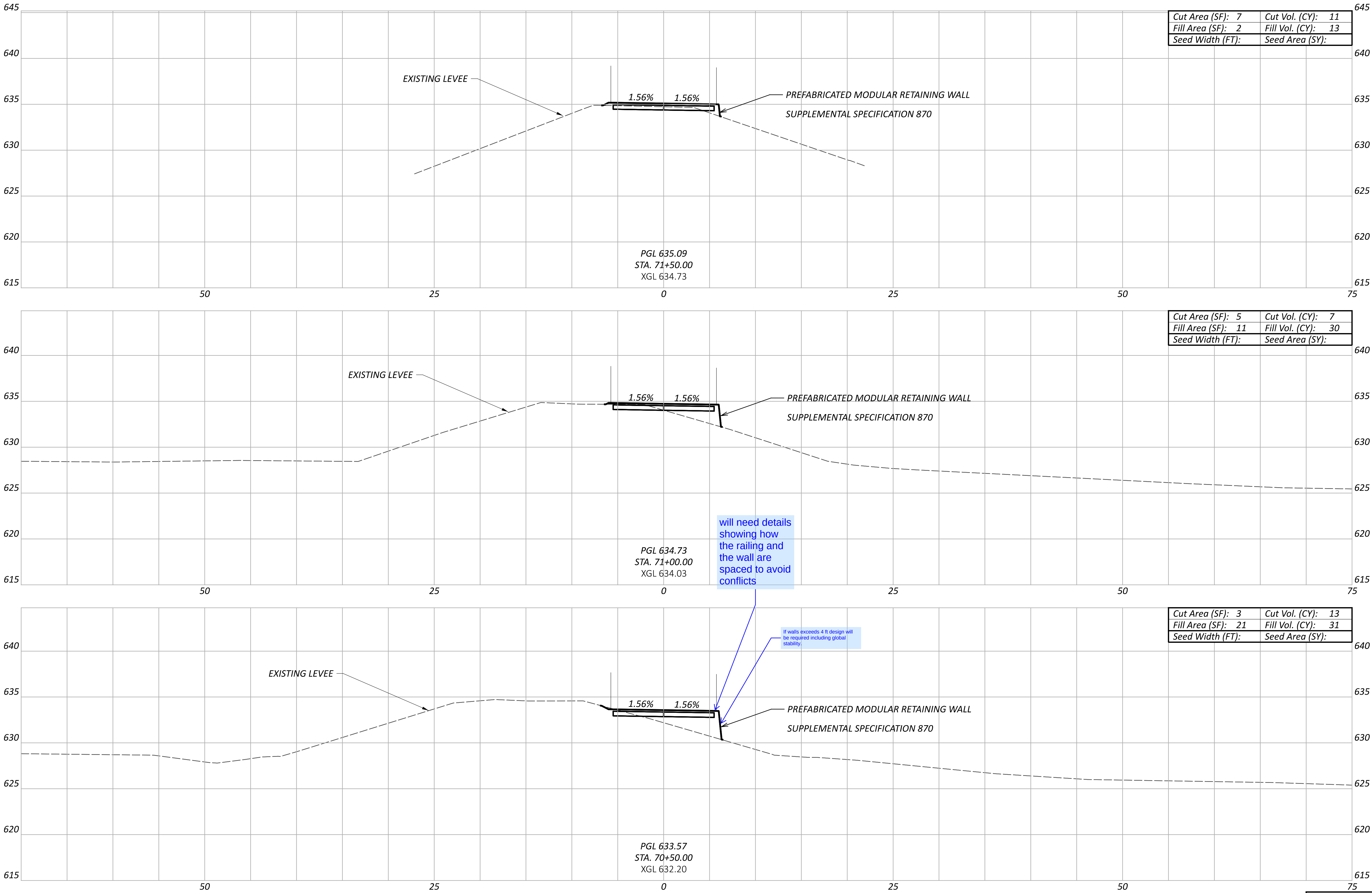
119064

Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.55 69



will need details showing how the railing and the wall are spaced to avoid conflicts

If walls exceeds 4 ft design will be required including global stability.

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

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PROJECT ID

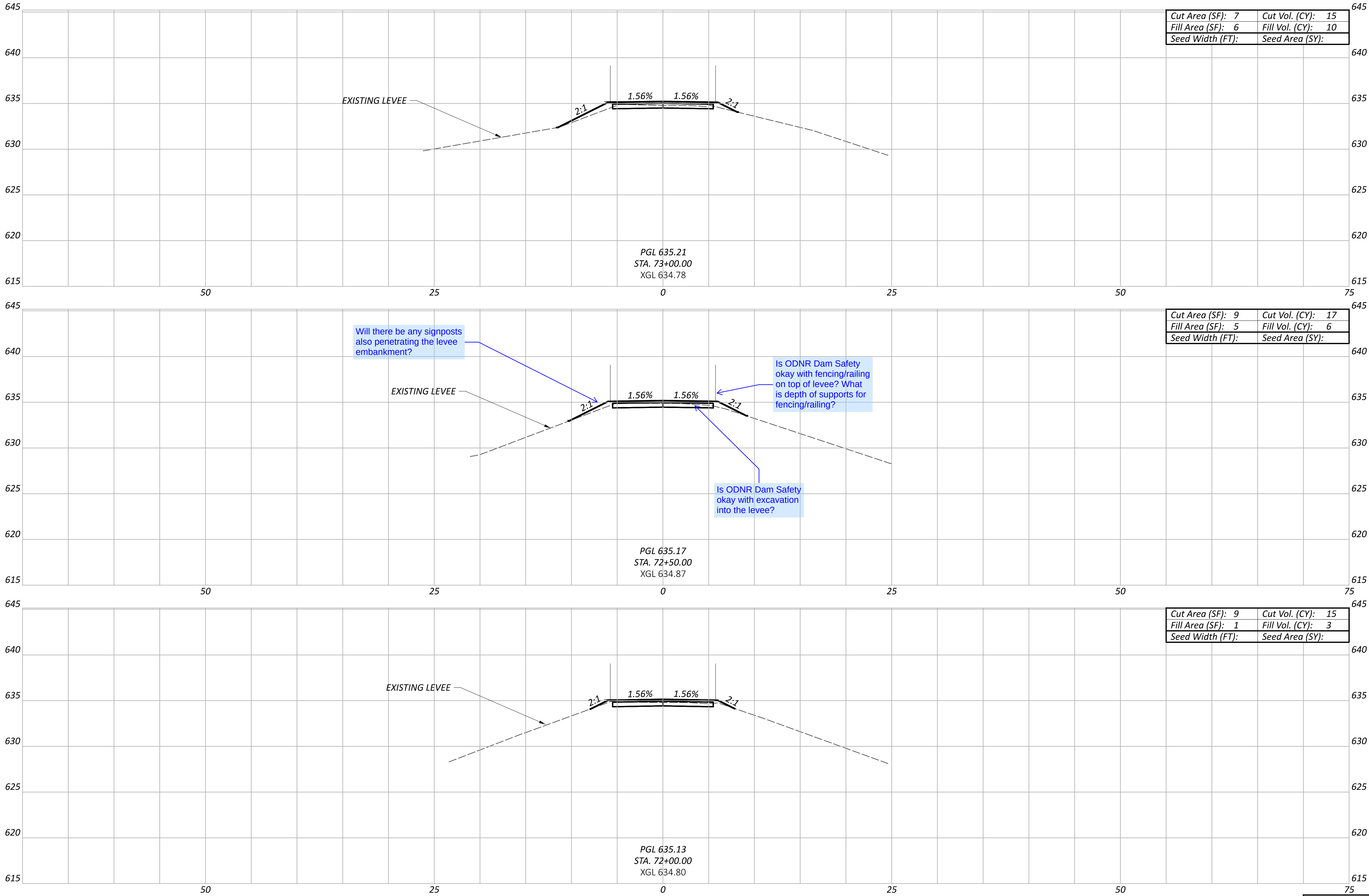
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.56 69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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REVIEWER

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PROJECT ID

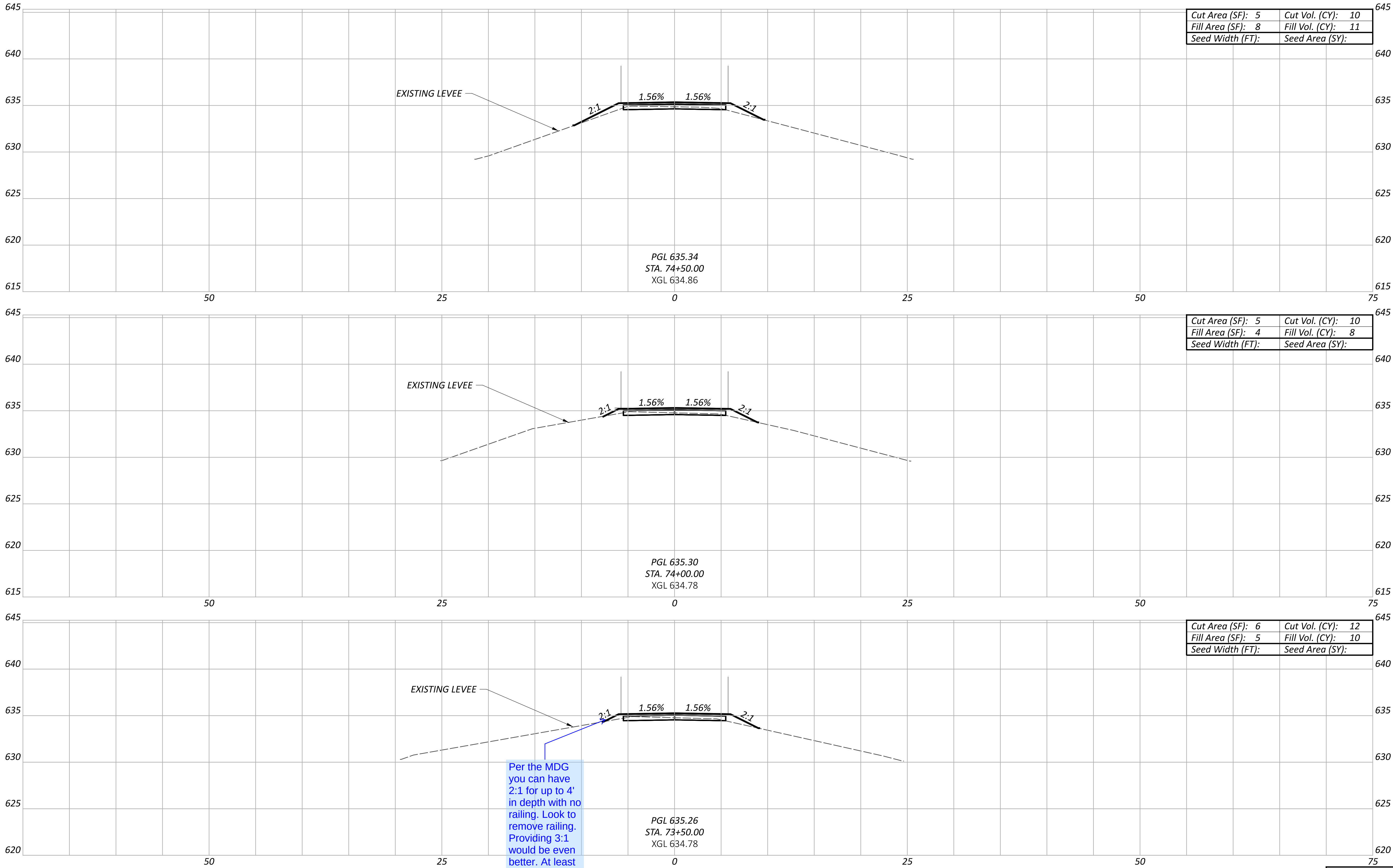
119064

Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.57 69



Per the MDG you can have 2:1 for up to 4' in depth with no railing. Look to remove railing. Providing 3:1 would be even better. At least on the inside of curves where railing blocks sight lines.

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

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PROJECT ID

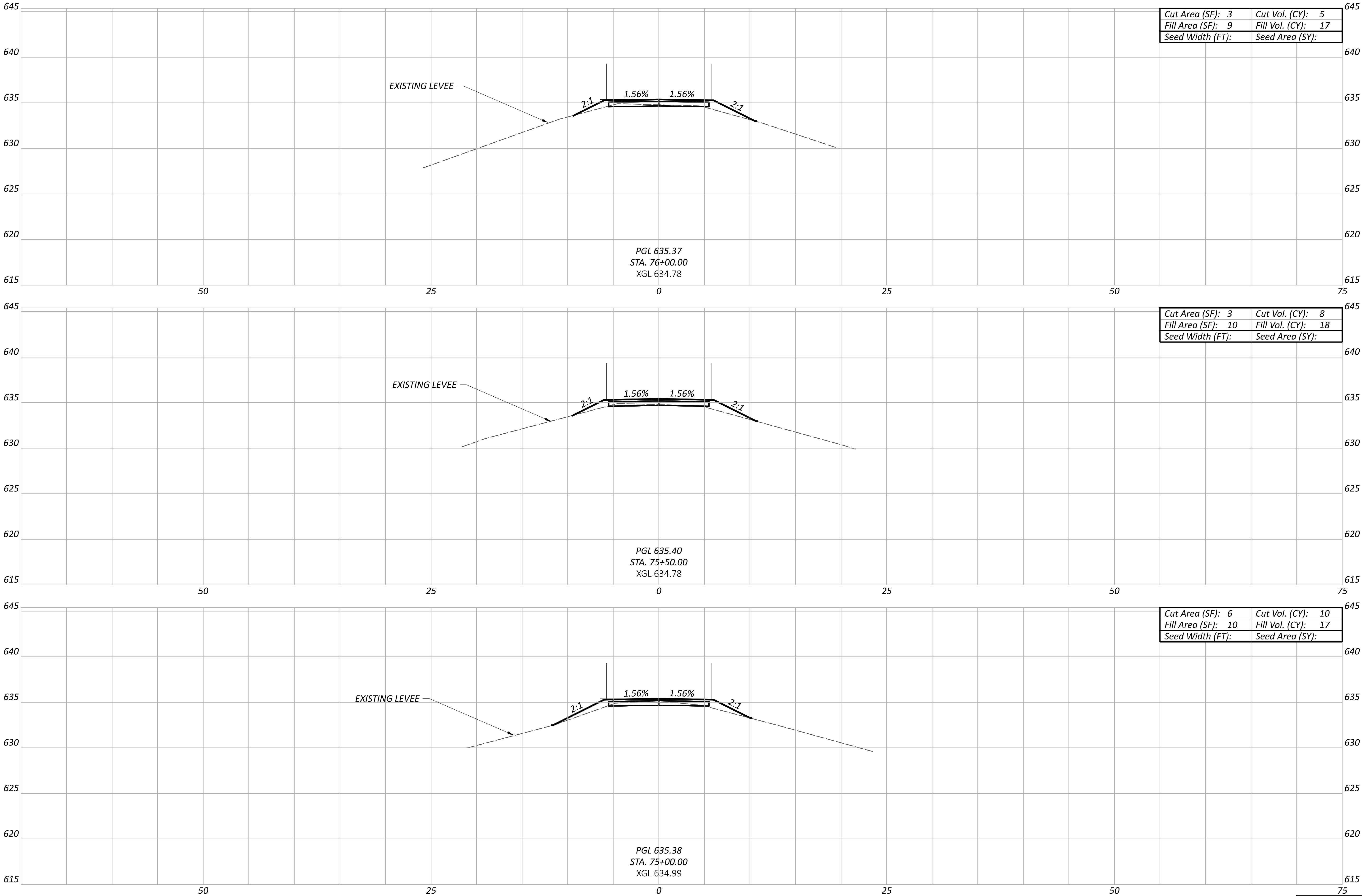
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.58 69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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PROJECT ID

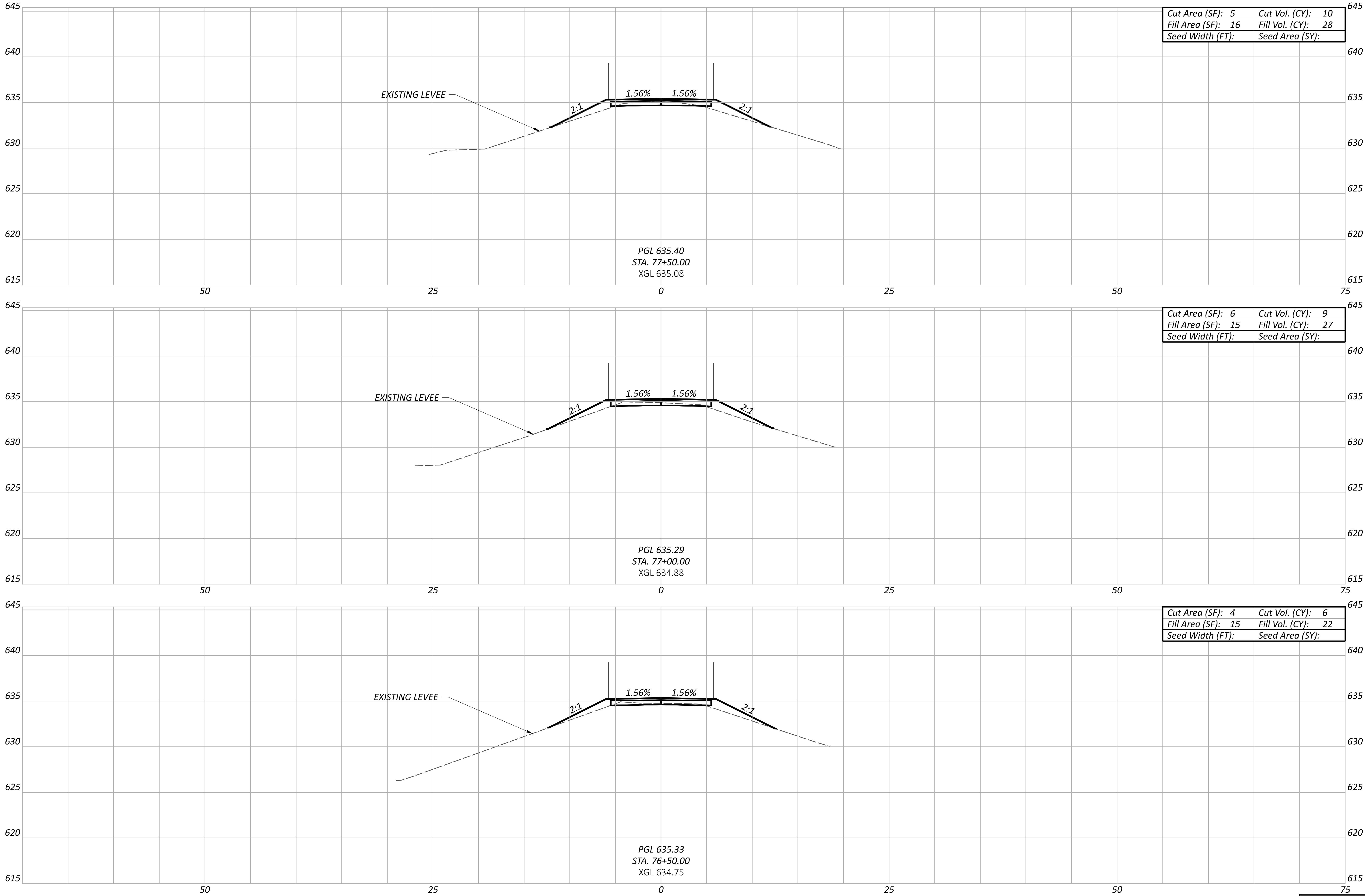
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.59 69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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PROJECT ID

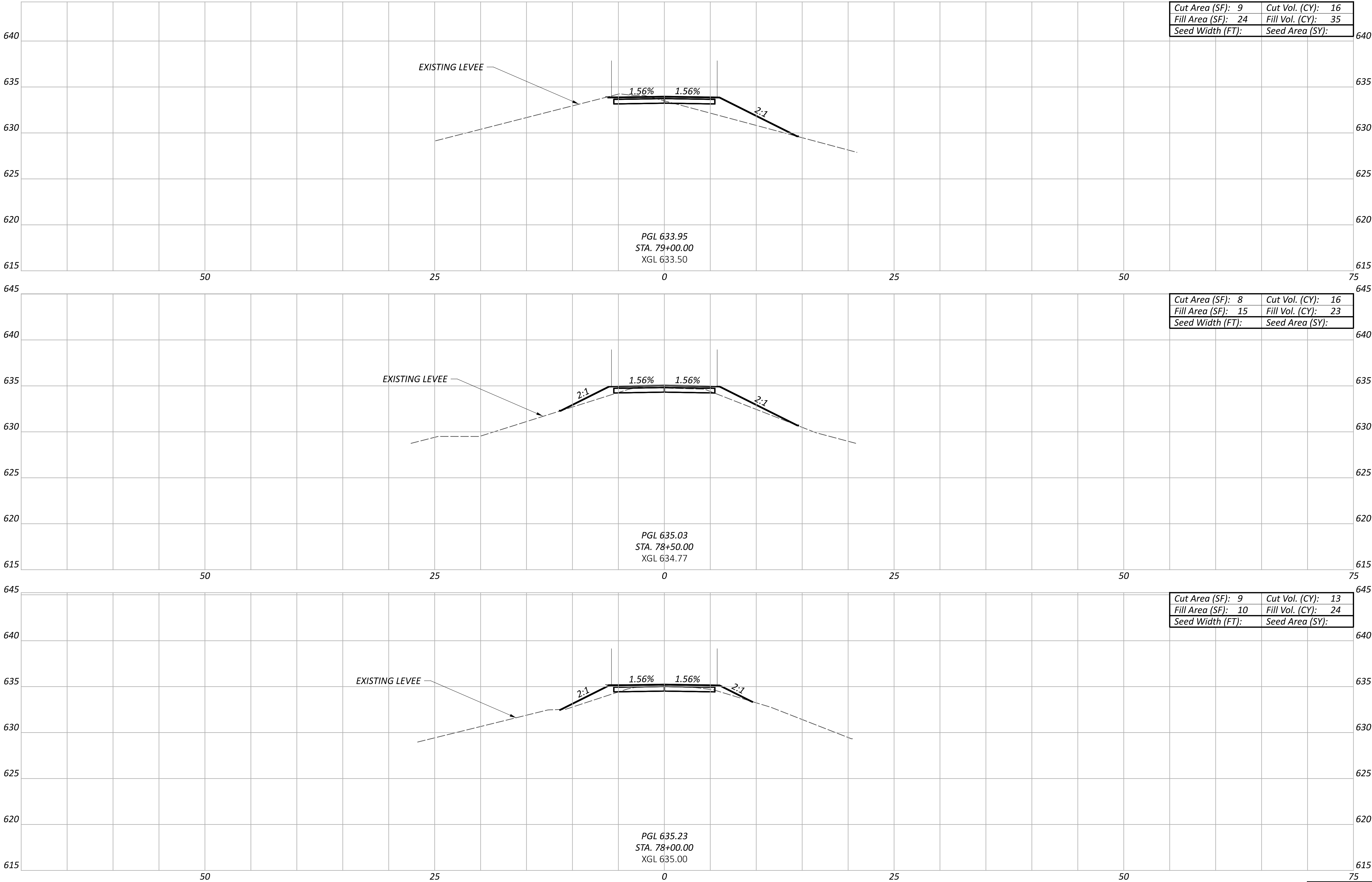
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.60 69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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PROJECT ID

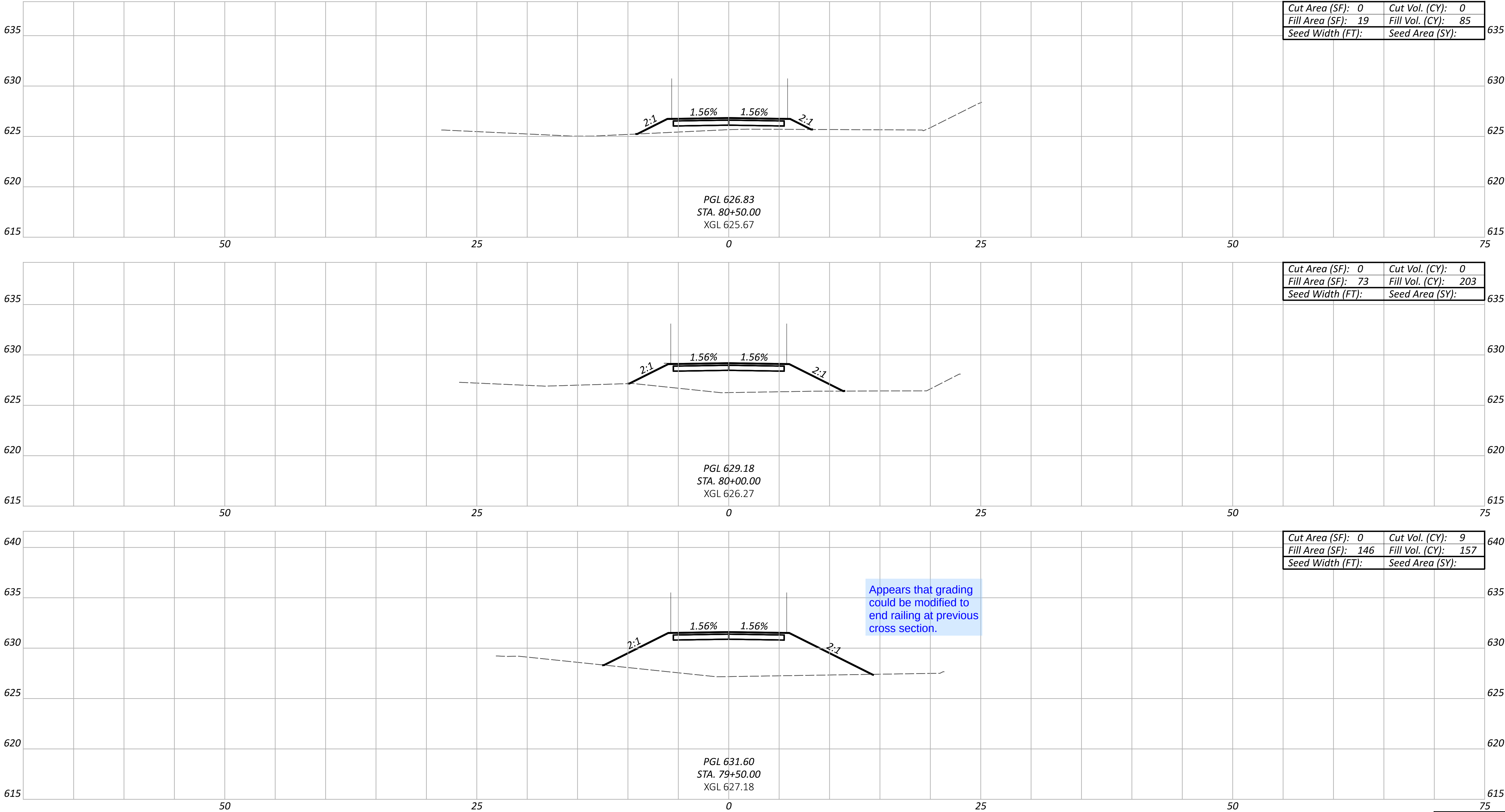
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.61 69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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PROJECT ID

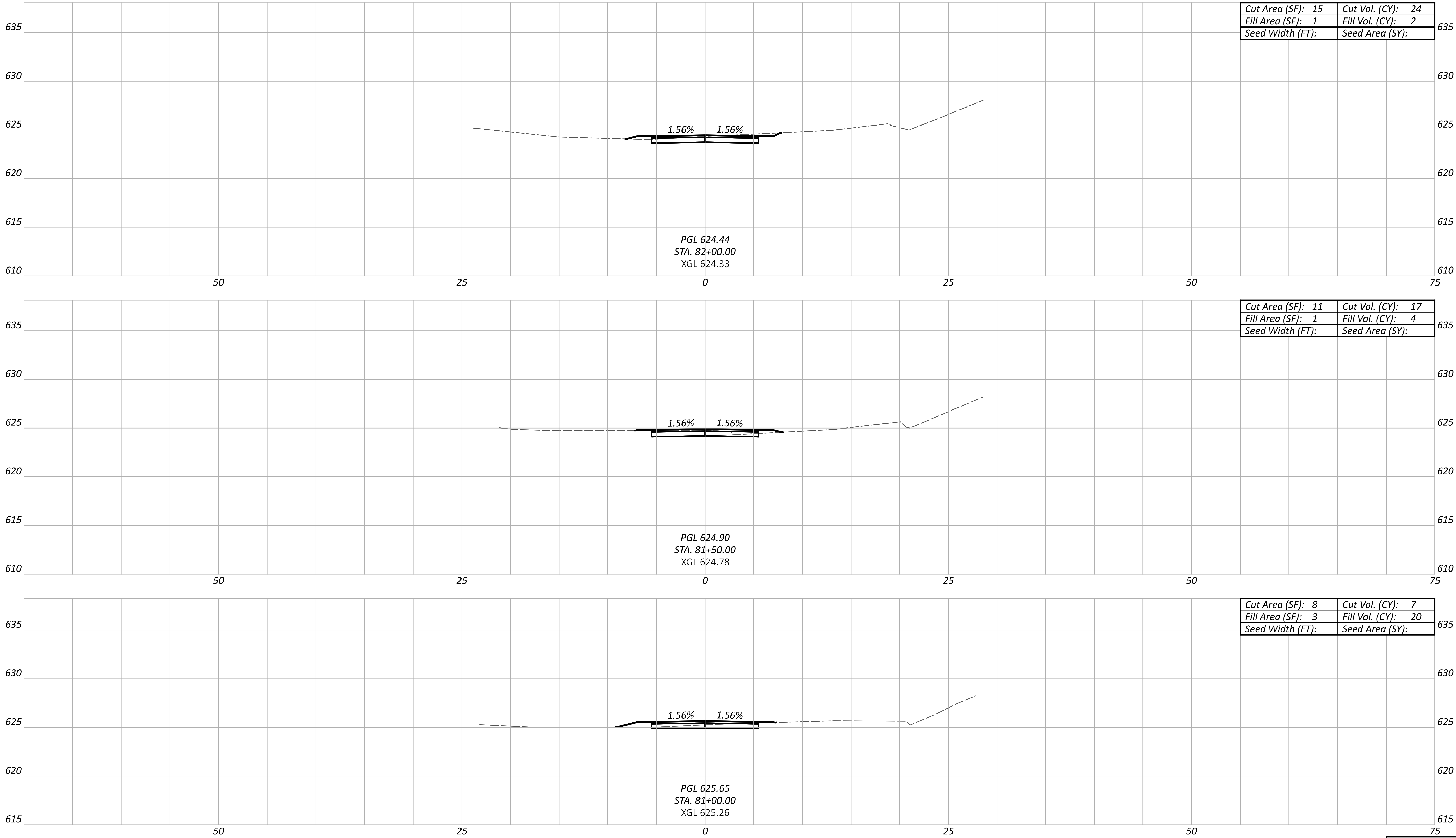
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.62 69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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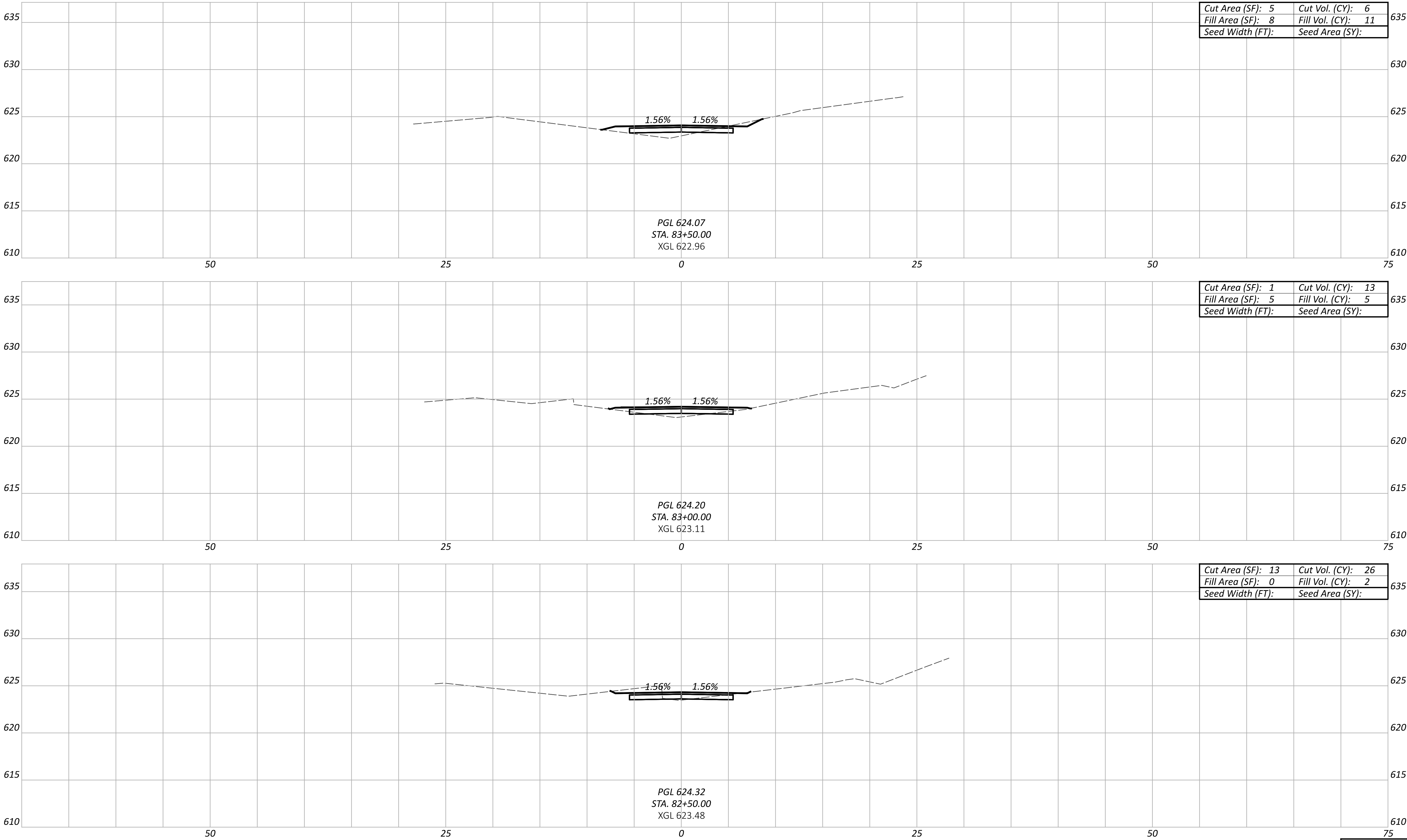
JH 06-30-26

PROJECT ID

119064

Sheet Totals		
Seeding	Cut	Fill
P.63		

SHEET TOTAL	
P.63	69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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PROJECT ID

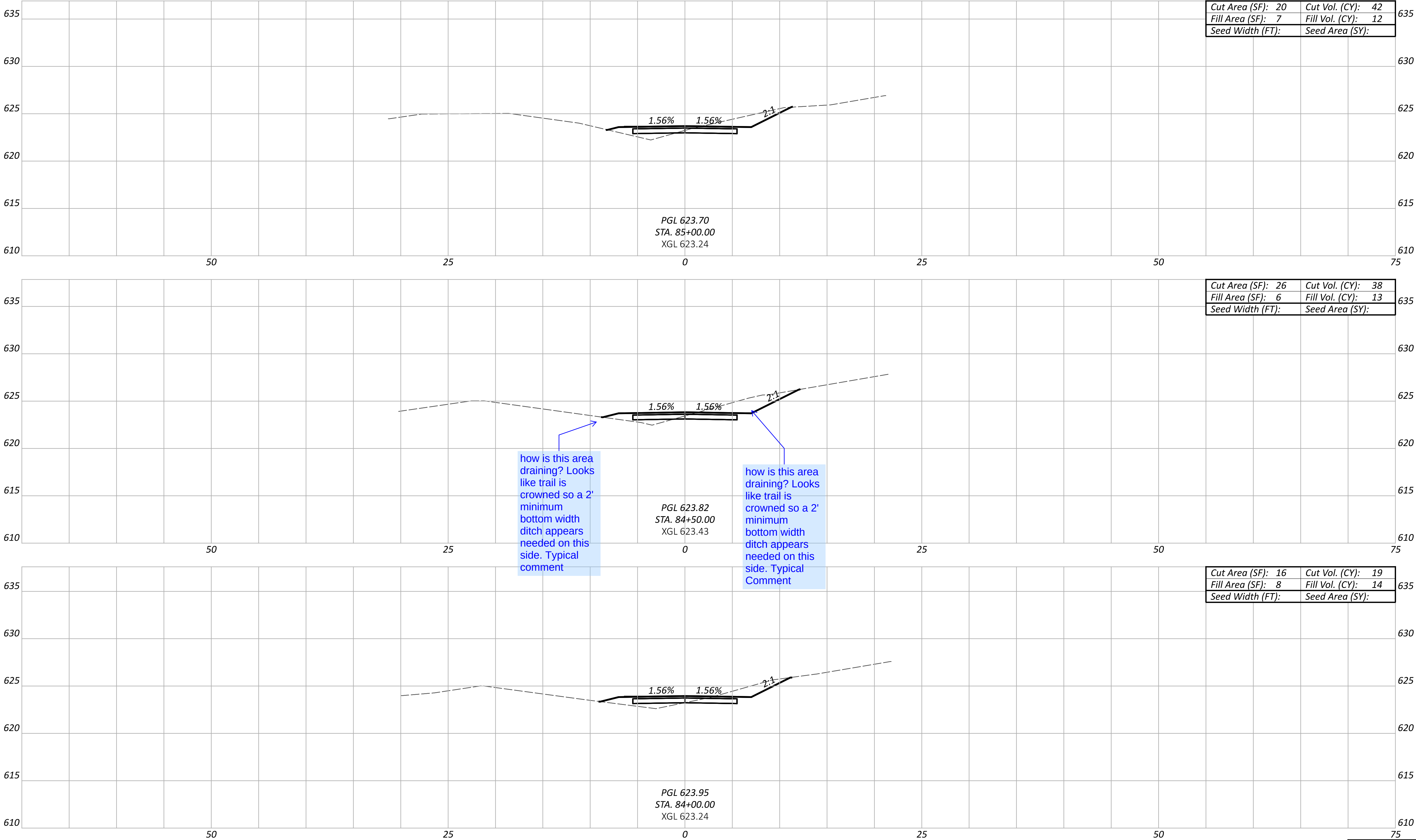
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.64 69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY

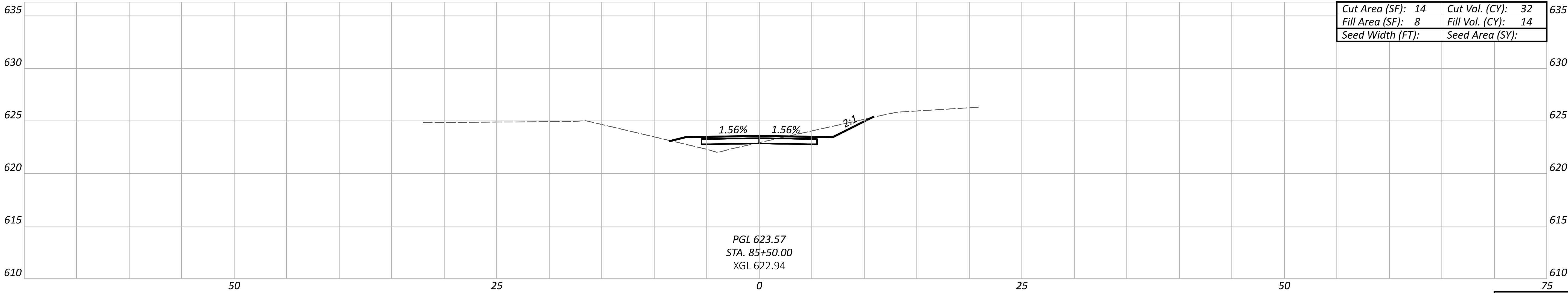
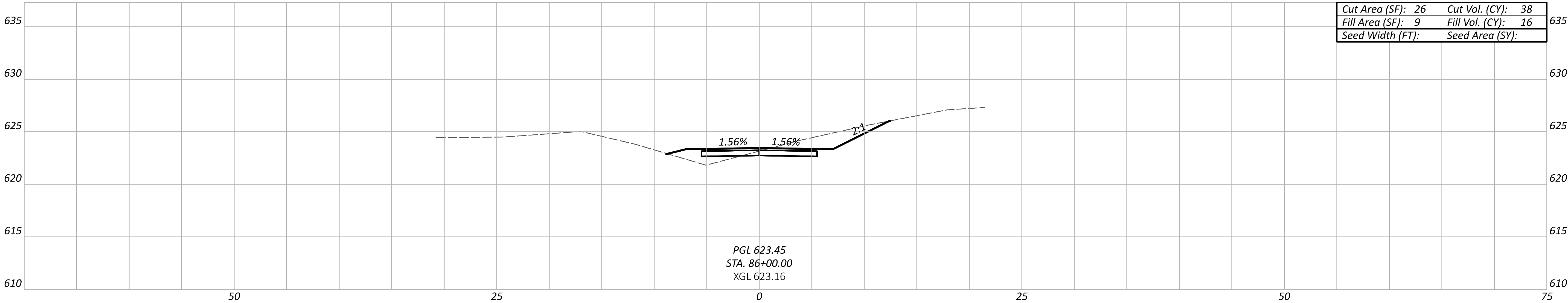
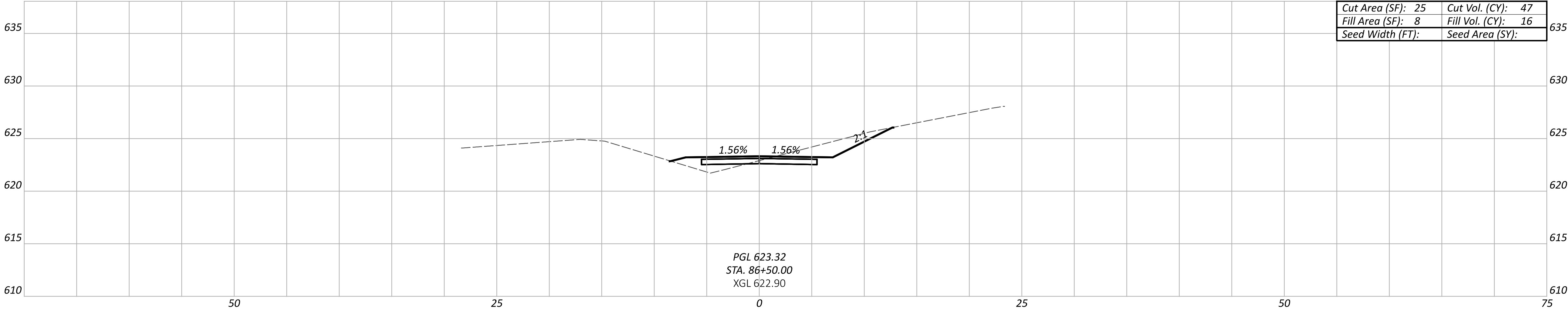


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JH 06-30-26

PROJECT ID
119064

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
			P.65	69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

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PROJECT ID

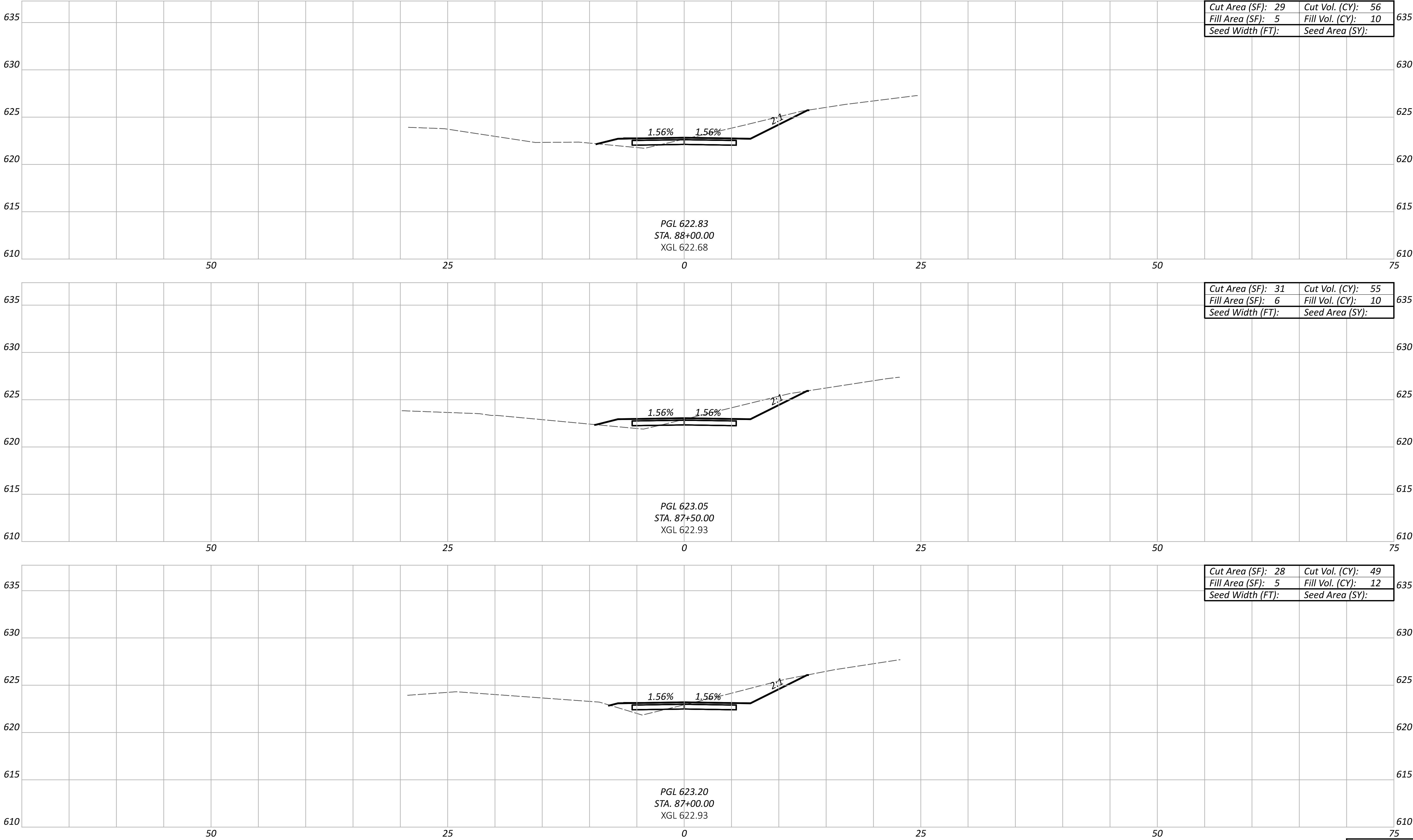
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.66 69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

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PROJECT ID

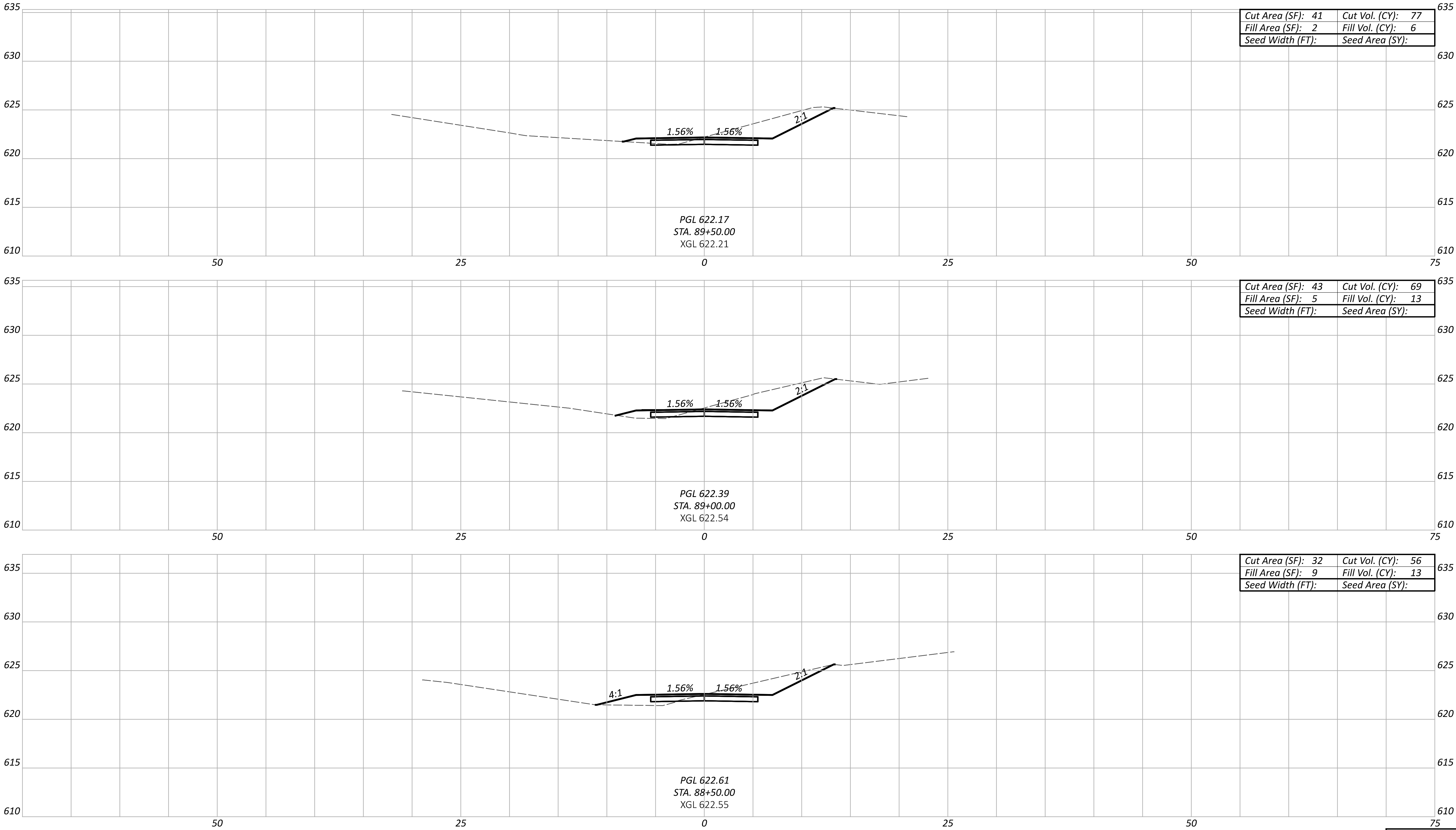
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Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.67 69



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Fill Area (SF):	2	Fill Vol. (CY):	6
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	43	Cut Vol. (CY):	69
Fill Area (SF):	5	Fill Vol. (CY):	13
Seed Width (FT):		Seed Area (SY):	

Cut Area (SF):	32	Cut Vol. (CY):	56
Fill Area (SF):	9	Fill Vol. (CY):	13
Seed Width (FT):		Seed Area (SY):	

Sheet Totals		
Seeding	Cut	Fill
P.68		

CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



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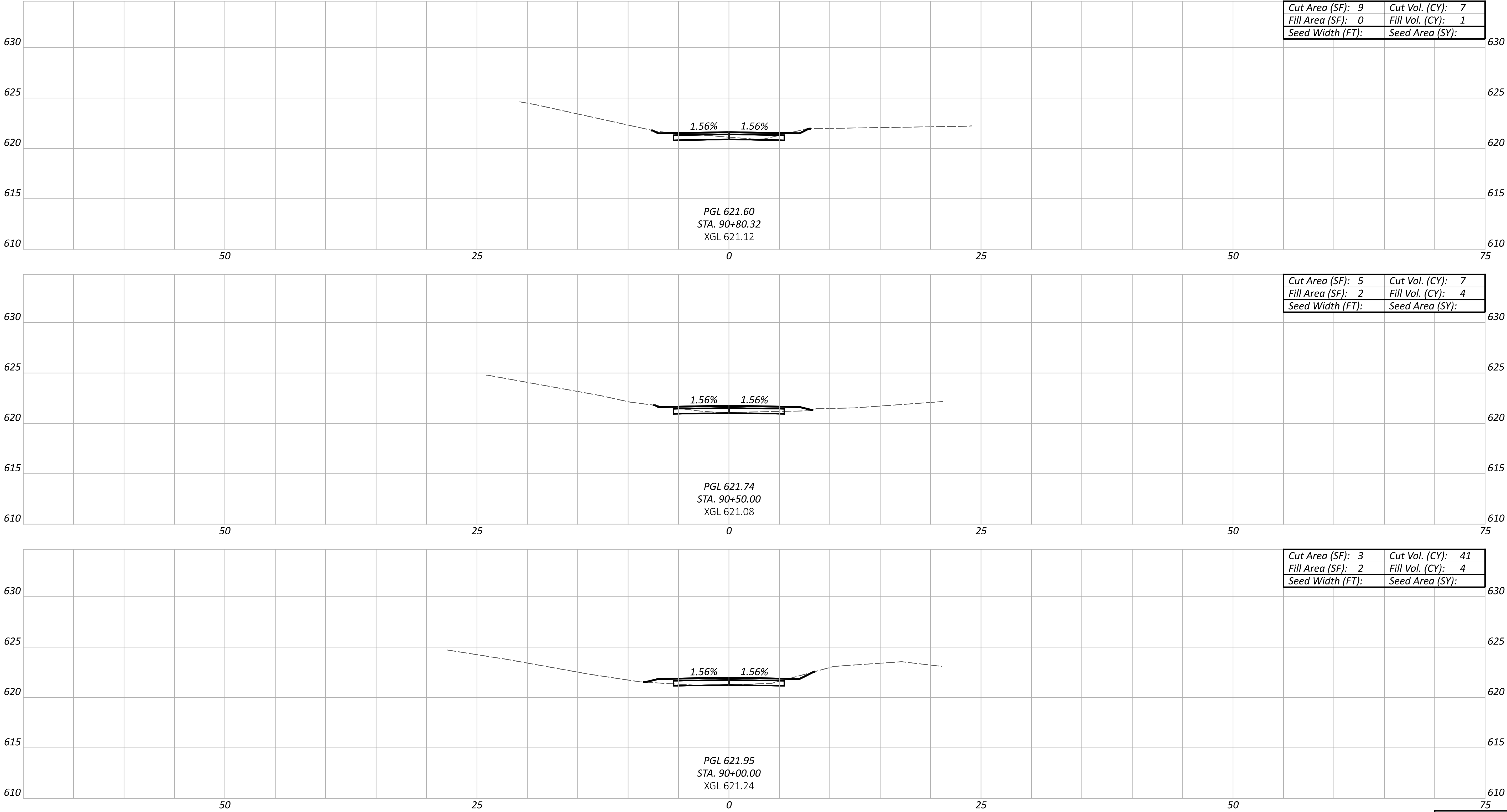
REVIEWER

JH 06-30-26

PROJECT ID

119064

SHEET	TOTAL
P.68	69



CROSS SECTIONS
GREAT MIAMI RIVER TRAIL

DESIGN AGENCY



DESIGNER

TKA

REVIEWER

JH 06-30-26

PROJECT ID

119064

Sheet Totals

Seeding Cut Fill

SHEET TOTAL

P.69 69