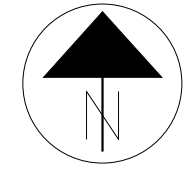
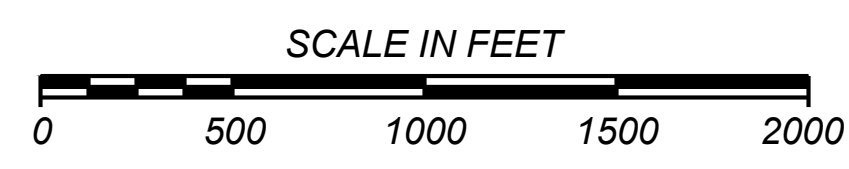




LOCATION MAP

LATITUDE: 41°08'00" LONGITUDE: -81°50'00"



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

**DESIGN EXCEPTIONS**

NONE

**UNDERGROUND UTILITIES**  
Contact Two Working Days Before You Dig

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

ENGINEERS SEAL:

SIGNED:

DATE: 12/2/24

ODOT STANDARD CONSTRUCTION DRAWINGS				ODOT SUPPLEMENTAL SPECIFICATIONS	
BP-5.1	7-15-22			832	7-21-23
BP-7.1	7-21-23				
RM-5.2	7-21-23				
HW-2.1	7-15-22				
TC-71.10	4-21-23				
DM-1.1	7-17-20				
MT-97.10	4-19-19				
MT-101.90	7-17-20				
AS-1-15	1-20-23				

# LAKE MEDINA GREENWAY

CITY OF MEDINA

MEDINA COUNTY

MEDINA COUNTY PARK DISTRICT

**INDEX OF SHEETS:**

TITLE SHEET	1
TYPICAL SECTIONS	2-3
GENERAL NOTES	4
MAINTENANCE OF TRAFFIC/ GENERAL SUMMARY	5
PROJECT SITE PLAN	6
PLAN & PROFILE - PARKING LOT	7
CROSS SECTIONS - PARKING LOT	8-9
PLAN & PROFILE - PATH	10-18
CROSS SECTIONS - PATH	19-49
INTERSECTION/CURB RAMP DETAILS	50
STRUCTURAL DETAILS	51-52

**PROJECT DESCRIPTION**

THIS PROJECT WILL CONSTRUCT 0.82 MILE OF SHARED USE PATH FROM SMITH ROAD TO MEDINA ROAD (SR 18) AND A PARKING LOT. CONSTRUCTION WILL INCLUDE DRAINAGE, RETAINING WALLS AND A PEDESTRIAN BRIDGE.

PROJECT EARTH DISTURBED AREA:	3.60 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.58 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.18 ACRES

**2023 SPECIFICATIONS**

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

APPROVED BY:  
SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

\_\_\_\_\_  
MEDINA COUNTY PARK DISTRICT, DIRECTOR

DESIGN AGENCY

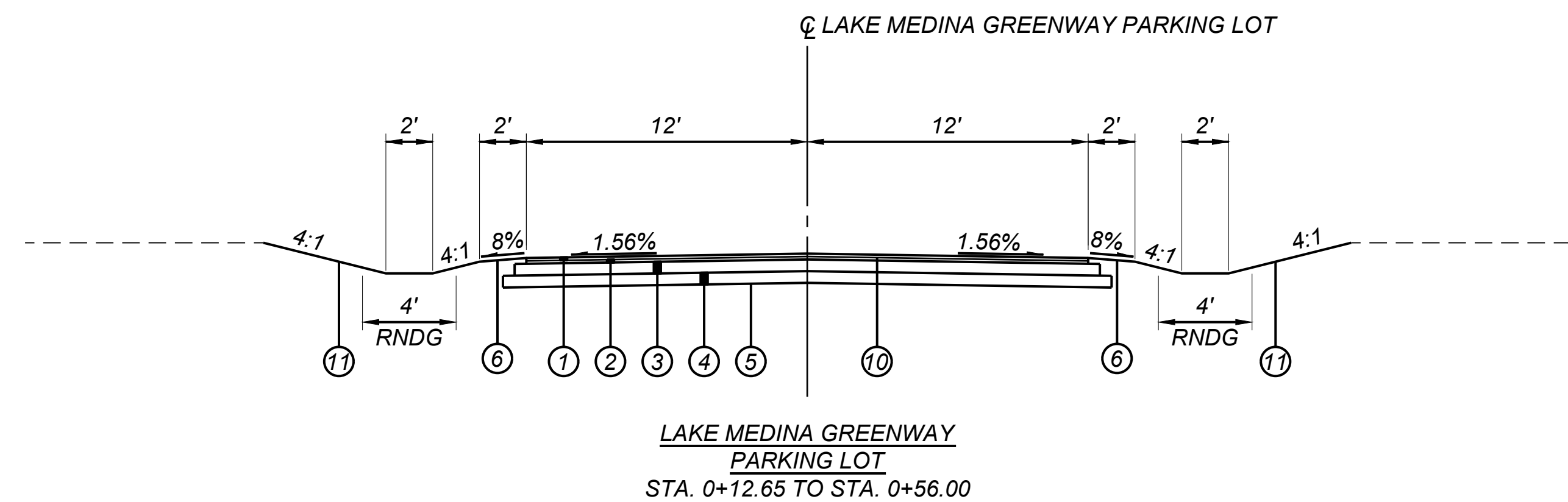
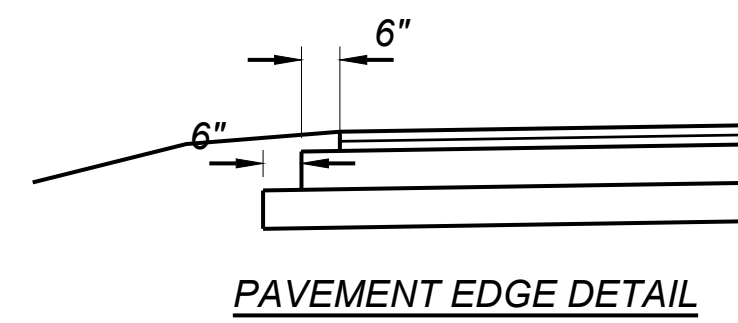
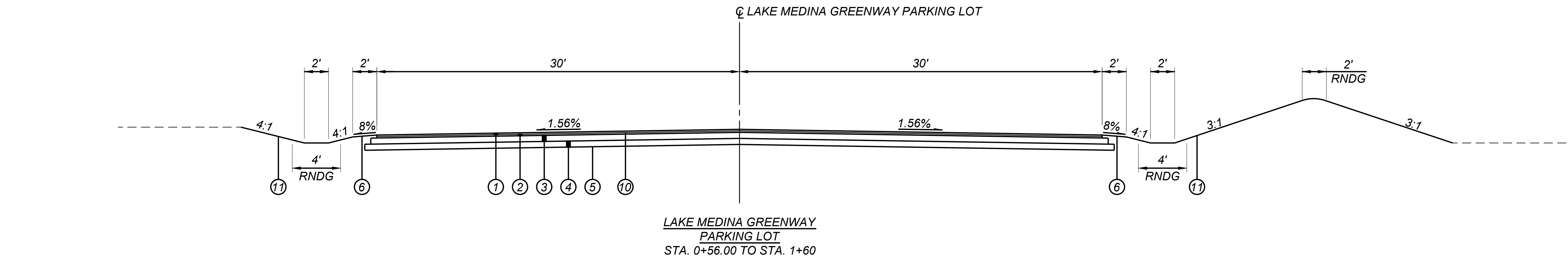
DESIGNER

CNK  
REVIEWER

NES  
PROJECT ID

761873  
SHEET TOTAL

1 | 52



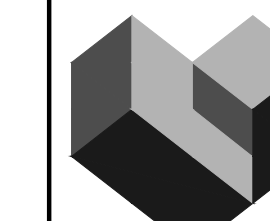
NOTE: ITEM 659 - SEEDING AND MULCHING, CLASS 1 IS TO USED ON THE 3' TURF SHOULDER AND BETWEEN PATH AND BACK OF CURB WHEN PATH IS ADJACENT TO CURB. ITEM 659 - SEEDING AND MULCHING, CLASS 4A IS TO BE USED BEYOND THE GRADED SHOULDER.

**LEGEND**

- |   |   |
|---|---|
| ① ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 | ⑦ ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 |
| ② ITEM 441 - 1 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)     | ⑧ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)     |
| ③ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22 (449)                        | ⑨ ITEM SPECIAL - RETAINING WALL, MISC.: MODULAR BLOCK WALL                  |
| ④ ITEM 304 - 6" AGGREGATE BASE  | ⑩ ITEM 407 - NON-TRACKING TACK COAT (0.55 GAL/SY)                           |
| ⑤ ITEM 204 - SUBGRADE COMPACTION  | ⑪ ITEM 659 - SEEDING AND MULCHING, CLASS 6                                  |
| ⑥ ITEM 659 - SEEDING AND MULCHING, CLASS 1                                  | ⑫ ITEM 526 - REINFORCED CONCRETE APPROACH SLAB (T=12")                      |

TYPICAL SECTIONS

DESIGN AGENCY



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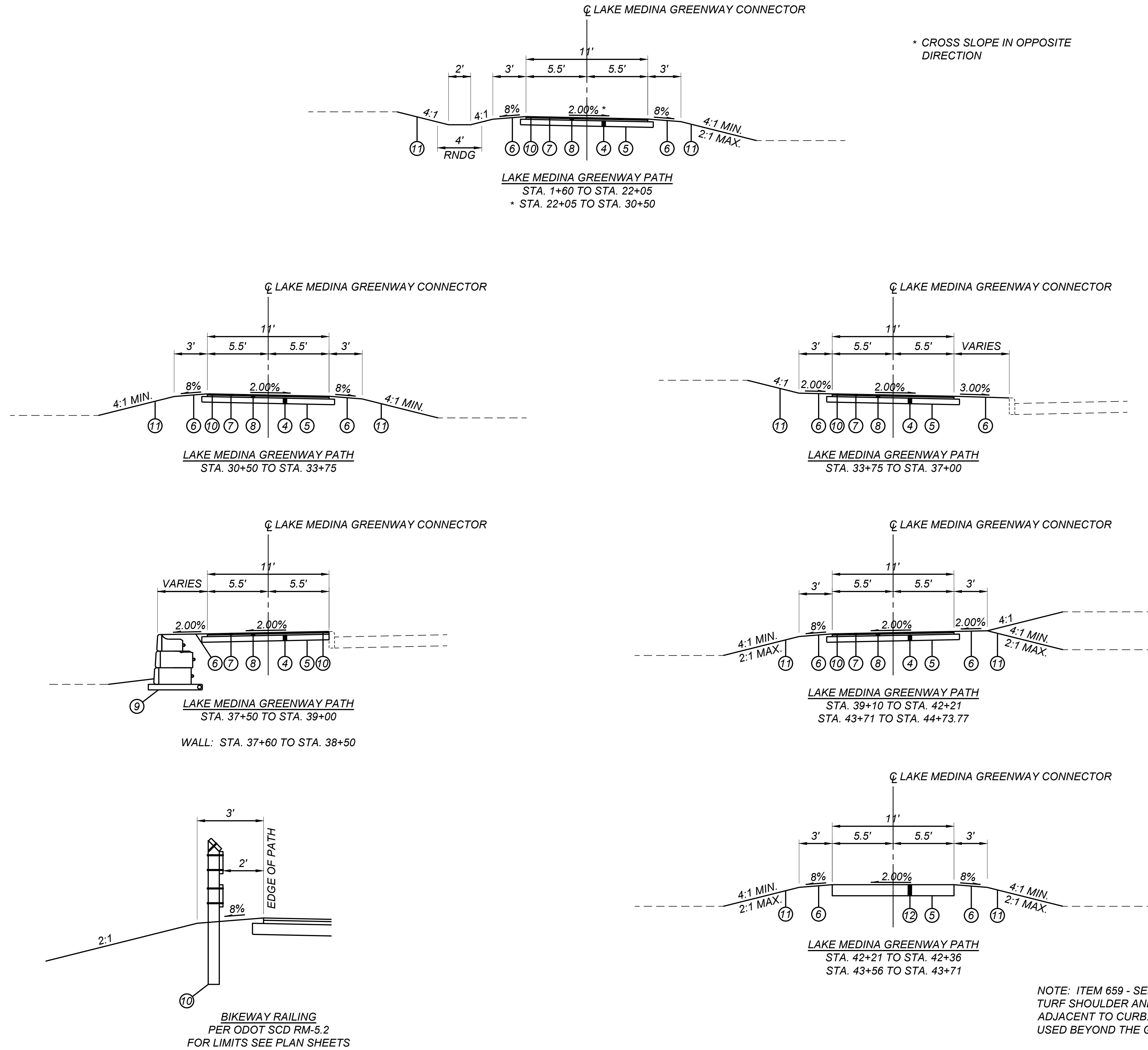
DESIGNER

CNK  
REVIEWER

NES  
PROJECT ID

761873  
SHEET TOTAL

2 | 52



ROUNDING

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

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

MEDINA CO. SANITARY ENGINEER CITY OF MEDINA
791 WEST SMITH ROAD 132 NORTH ELMWOOD ST.
MEDINA, OHIO 44256 MEDINA, OHIO 44256
JEREMY SINKO 330-722-9034
JSINKO@MEDINACO.ORG PATRICK PATTON
PPATTON@MEDINAOH.ORG

OHIO EDISON
6326 LAKE AVE
ELYRIA, OHIO 44035
440-326-3207
JEFF HALL
HALLJB@FIRSTENERGYCORP.COM

COLUMBIA GAS OF OHIO
7080 FRY ROAD
MIDDLEBURG HEIGHTS, OHIO 44130
TOM JADLOS
TJADLOS@NISOURCE.COM

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 7:00 PM AND 7:00 AM. 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

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS 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: GPS
MONUMENT TYPE: 5/8" CESO REBAR
N=533,481.92, E=2,152,832.45, ELEV= 1031.21

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD 83
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE
COMBINED SCALE FACTOR: 1.000000000
ORIGIN OF COORDINATE SYSTEM 0,0

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.

CLEARING AND GRUBBING

THE DEPARTMENT HAS NOT MARKED INDIVIDUAL TREES AND STUMPS FOR REMOVAL. UNLESS SPECIFICALLY DESIGNATED AS "DO NOT DISTURB" IN THE PLANS, REMOVE ALL TREES AND STUMPS WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201 CLEARING AND GRUBBING.

PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE ESTIMATED QUANTITIES TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 3 HOURS.

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- 1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
2. 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-4, 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.

- 3. COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.
4. APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE 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.

- 5. 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.
6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.
7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

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

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659, TOPSOIL 1,223 CU. YD.
ITEM 659, COMMERCIAL FERTILIZER 1.49 TONS
ITEM 659, WATER 60 M. GAL.

APPLY SEEDING AND MULCHING S TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-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, AND WITH A MINIMUM HEIGHT OF 13 FEET.

WORK AGREEMENTS / EASEMENTS

THE MEDINA COUNTY PARK DISTRICT HAS SECURED EASEMENTS AND/OR WORK AGREEMENTS WITH PRIVATE PROPERTY OWNERS WHERE THE PROPOSED WORK IS OUTSIDE PARK OWNED PROPERTY, INCLUDING THE WILDER, WVA MEDINA LLC, AND SUMMA PROPERTIES. PRIOR TO CONSTRUCTION, THE PARK DISTRICT SHALL PROVIDE THE AGREEMENTS TO THE CONTRACTOR FOR THE PROJECT FILE. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING ON PRIVATE PROPERTY. ANY DAMAGE TO PRIVATE FACILITIES OUTSIDE THE SCOPE OF THIS PROJECT WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

TRAIL ALIGNMENT STAKING

PRIOR TO CLEARING AND GRUBBING OPERATIONS THE CONTRACTOR SHALL STAKE THE CENTERLINE OF TRAIL AND WALK THE ALIGNMENT WITH THE MEDINA COUNTY PARK DISTRICT TO VERIFY THE TRAIL ALIGNMENT AND TREE CLEARING. THE PARK DISTRICT MAY REQUIRE FIELD ADJUSTMENTS TO THE TRAIL ALIGNMENT TO MINIMIZE TREE REMOVALS. LIMITS OF CENTERLINE STAKING WILL BE LIMITED BETWEEN STATION 21+00 AND 29+00, UNLESS OTHERWISE DIRECTED BY THE PARK DISTRICT. CONTACT NATHAN EPPINK (330-722-9364) 48 HRS IN ADVANCE OF STAKING TO SCHEDULE A FIELD MEETING.

ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PERMIT THE WORK SHALL BE INCLUDED WITHIN THE LUMP SUM QUANTITY FOR ITEM 201, CLEARING AND GRUBBING.

EXCAVATION FOR CONSTRUCTED WETLAND (AS DIRECTED)

THE CONTRACTOR SHALL PROVIDE A CONTINGENCY QUANTITY FOR EXCAVATION OF A CONSTRUCTED WETLAND AREA NEAR STATION 19+00 TO STATION 21+00, RIGHT. ALL WORK SHALL BE DIRECTED BY THE PARK DISTRICT. ALL OTHER ASSOCIATED WETLAND IMPROVEMENTS WILL BE COMPLETED BY THE PARK DISTRICT.

THE FOLLOWING ESTIMATE CONTINGENCY QUANTITIES ARE CARRIED TO THE ESTIMATE QUANTITY TABLE FOR USE AS DIRECTED BY THE PARK DISTRICT FOR THE WORK DESCRIBED ABOVE:

ITEM 203 - EXCAVATION, AS PER PLAN 600 CU. YD.

EROSION PROTECTION (AS DIRECTED)

THE CONTRACTOR SHALL PROVIDE A ROCK CHANNEL PROTECTION IN ACCORDANCE WITH CMS 601.09 AT LOCATIONS DIRECTED BY THE PARK DISTRICT.

THE FOLLOWING ESTIMATE CONTINGENCY QUANTITY IS CARRIED TO THE ESTIMATE QUANTITY TABLE FOR USE AS DIRECTED BY THE PARK DISTRICT FOR THE WORK DESCRIBED ABOVE:

ITEM 601 - ROCK CHANNEL PROTECTION, TYPE C WITHOUT FILTER 20 CU. YD.

EROSION AND SEDIMENT CONTROL

EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED AS PART OF THIS PROJECT. THE CONTRACTOR SHALL REFER TO ODOT SUPPLEMENTAL SPECIFICATION 832.

THE CONTRACTOR WILL BE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE OHIO EPA PRIOR TO COMMENCING EARTH DISTURBING ACTIVITIES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES PERMIT COMPLIANCE.

THE PROJECT IS CLASSIFIED AS AN EXPORT PROJECT AND THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT SOIL HAULED OFFSITE DURING GRADING ACTIVITIES WILL BE HAULED TO A PROJECT THAT HAS NPDES PERMIT COVERAGE. IF THE EXPORT MATERIAL IS PLANNED TO BE HAULED TO A SITE THAT DOES NOT HAVE NPDES PERMIT COVERAGE, THE CONTRACTOR IS REQUIRED TO OBTAIN NPDES PERMIT COVERAGE FOR THE SITE AND INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROLS. THE OFFSITE AREA SHALL BE INCLUDED WITHIN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT.

THE CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO CONDUCT SITE INSPECTIONS ENSURING PROPER FUNCTIONALITY OF THE EROSION AND SEDIMENTATION CONTROLS. ALL EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSPECTED ONCE EVERY SEVEN (7) CALENDAR DAYS OR WITHIN 24 HOURS OF A 1/2 INCH (OR GREATER) RAINFALL EVENT. RECORDS OF THE SITE INSPECTIONS SHALL BE KEPT UP TO DATE ON THE PROJECT SITE AND MADE AVAILABLE FOR INSPECTION UPON REQUEST.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR EROSION CONTROL WORK:

ITEM 832 - STORM WATER POLLUTION PREVENTION PLAN 1 LUMP
ITEM 832 - EROSION CONTROL 40,000 EACH

CATCH BASIN, AS PER PLAN

PRIOR TO ORDERING CATCH BASIN, CONTRACTOR SHALL DETERMINE THE DEPTH OF EXISTING STORM AT THE LOCATION OF THE PROPOSED CATCH BASIN, SHOWN ON SHEET 7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE CATCH BASIN SPECIFICATIONS TO THE MANUFACTURER IN ORDER TO INSTALL THE CATCH BASIN AND MAKE THE DRAINAGE CONNECTIONS TO THE EXISTING STORM.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR THE ABOVE WORK:

ITEM 202 - PIPE REMOVED, 24" & UNDER 16 FT
ITEM 611 - CATCH BASIN, AS PER PLAN 1 EA
ITEM 611 - 12" CONDUIT, TYPE C, 707.01 16 FT

REFERENCE POINTS - PARKING LOT table with columns: DESCRIPTION, STATION, NORTHING, EASTING

REFERENCE POINTS - PATH table with columns: DESCRIPTION, STATION, NORTHING, EASTING

GENERAL NOTES

DESIGN AGENCY: CESO
DESIGNER: CNK
REVIEWER: NES
PROJECT ID: 761873
SHEET TOTAL: 4 | 52

**SEQUENCE OF CONSTRUCTION**

1. CONTRACTOR SHALL CONSTRUCT PARKING LOT ENTRANCE BY MAINTAINING ONE LANE, TWO-WAY TRAFFIC ON SMITH ROAD BY USE OF FLAGGERS, PER ODOT SCD MT-97.10.
2. ALL LANES OF TRAFFIC ON SMITH ROAD SHALL BE OPEN DURING NON WORK TIMES. DROP OFF IN WORK ZONE SHALL BE PER ODOT SCD MT-101.90.
3. CONTRACTOR SHALL CONSTRUCT PATH ADJACENT TO SUMMA MEDICAL CENTER BY MAINTAINING ONE LANE, TWO-WAY TRAFFIC ON PARKING LOT SERVICE ROADS BY USE OF FLAGGERS, PER ODOT SCD MT-97.10.
4. ALL LANES OF TRAFFIC ON PARKING LOT SERVICE ROADS SHALL BE OPEN DURING NON WORK TIMES.

**ITEM 614 - MAINTANING TRAFFIC**

A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**OVERNIGHT TRENCH CLOSING**

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 3 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

**DRUM REQUIREMENTS**

IN ADDITION TO THE REQUIREMENTS OF THE PLANS, SPECIFICATION AND PROPOSAL, DRUMS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AT THE TIME OF ARRIVAL ON THE PROJECT. ANY DRUMS BROUGHT ON THE PROJECT, WHICH HAVE PREVIOUSLY BEEN USED ELSEWHERE, WILL NOT BE ACCEPTED.

PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

**CONTROL POINTS**

BM A  
 5/8" CESO REBAR  
 N = 533,481.92'  
 E = 2,152,832.44'  
 ELEV = 1031.21'

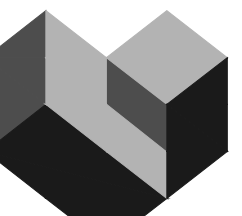
BM B  
 5/8" CESO REBAR  
 N = 535,967.54'  
 E = 2,154,499.54'  
 ELEV = 973.16'

BM C  
 5/8" CESO REBAR  
 N = 536,184.42'  
 E = 2,154,879.67'  
 ELEV = 967.93'

ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
<b>ROADWAY</b>				
201	LUMP		CLEARING AND GRUBBING	
202	55	FT	PIPE REMOVED, 24" & UNDER	
202	1	EACH	CATCH BASIN REMOVED	
202	24	FT	CURB REMOVED	
203	2,140	CY	EXCAVATION	
203	600	CY	EXCAVATION, AS PER PLAN	4
203	2,580	CY	EMBANKMENT	
204	7,307	SY	SUBGRADE COMPACTION	
204	3	HOUR	PROOF ROLLING	
607	1,100	FT	FENCE, MISC.: WOOD FENCE	
608	24	FT	CURB, TYPE 6	
608	304	SF	CURB RAMP	
<b>EROSION CONTROL</b>				
601	20	CY	ROCK CHANNEL PROTECTION, TYPE C WITHOUT FILTER	
659	2,962	SY	SEEDING AND MULCHING, CLASS 1	
659	8,028	SY	SEEDING AND MULCHING, CLASS 6	
659	329	CY	TOPSOIL	
659	0.4	TON	COMMERCIAL FERTILIZER	
659	16	MGAL	WATER	
832	40,000	EACH	EROSION CONTROL	
832	LUMP		STORM WATER POLLUTION PREVENTION PLAN	
<b>DRAINAGE</b>				
602	2.2	CY	CONCRETE MASONRY	
611	65	FT	12" CONDUIT, TYPE A, 706.02	
611	16	FT	12" CONDUIT, TYPE C, 707.01	
611	104	FT	18" CONDUIT, TYPE A, 706.02	
611	1	EACH	CATCH BASIN, AS PER PLAN	4
<b>PAVEMENT</b>				
301	146	CY	ASPHALT CONCRETE BASE, PG64-22 (449)	
304	1,064	CY	AGGREGATE BASE	
407	3,240	GAL	NON-TRACKING TACK COAT	
441	211	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
441	281	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
<b>TRAFFIC CONTROL</b>				
630	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
630	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
630	6.3	SF	SIGN, FLAT SHEET	
630	13	FT	GROUND MOUNTED SUPPORT, NO 2 POST	
642	532	FT	PARKING STALL MARKING, TYPE 1	
642	2	EACH	HANDICAP SYMBOL MARKING, TYPE 1	
644	60	FT	CROSSWALK LINE, 12"	
<b>RETANING WALLS</b>				
SPEC.	1,278	SF	RETAINING WALL, MISC.: MODULAR BLOCK WALL	
<b>STRUCTURES</b>				
526	38	SY	REINFORCED CONCRETE APPROACH SLAB (T=12")	
SPEC.	1	EACH	STRUCTURE, MISC.: PREFABRICATED PEDESTRIAN BRIDGE	
<b>INCIDENTALS</b>				
614	LUMP		MAINTAINING TRAFFIC	
619	6	MONTH	FIELD OFFICE, TYPE A	
623	LUMP		CONSTRUCTION LAYOUT STAKES	
624	LUMP		MOBILIZATION	

**MAINTENANCE OF TRAFFIC GENERAL NOTES/  
ESTIMATED QUANTITIES**

DESIGN AGENCY



**CESO**  
 WWW.CESOINC.COM

DESIGNER

CNK  
 REVIEWER

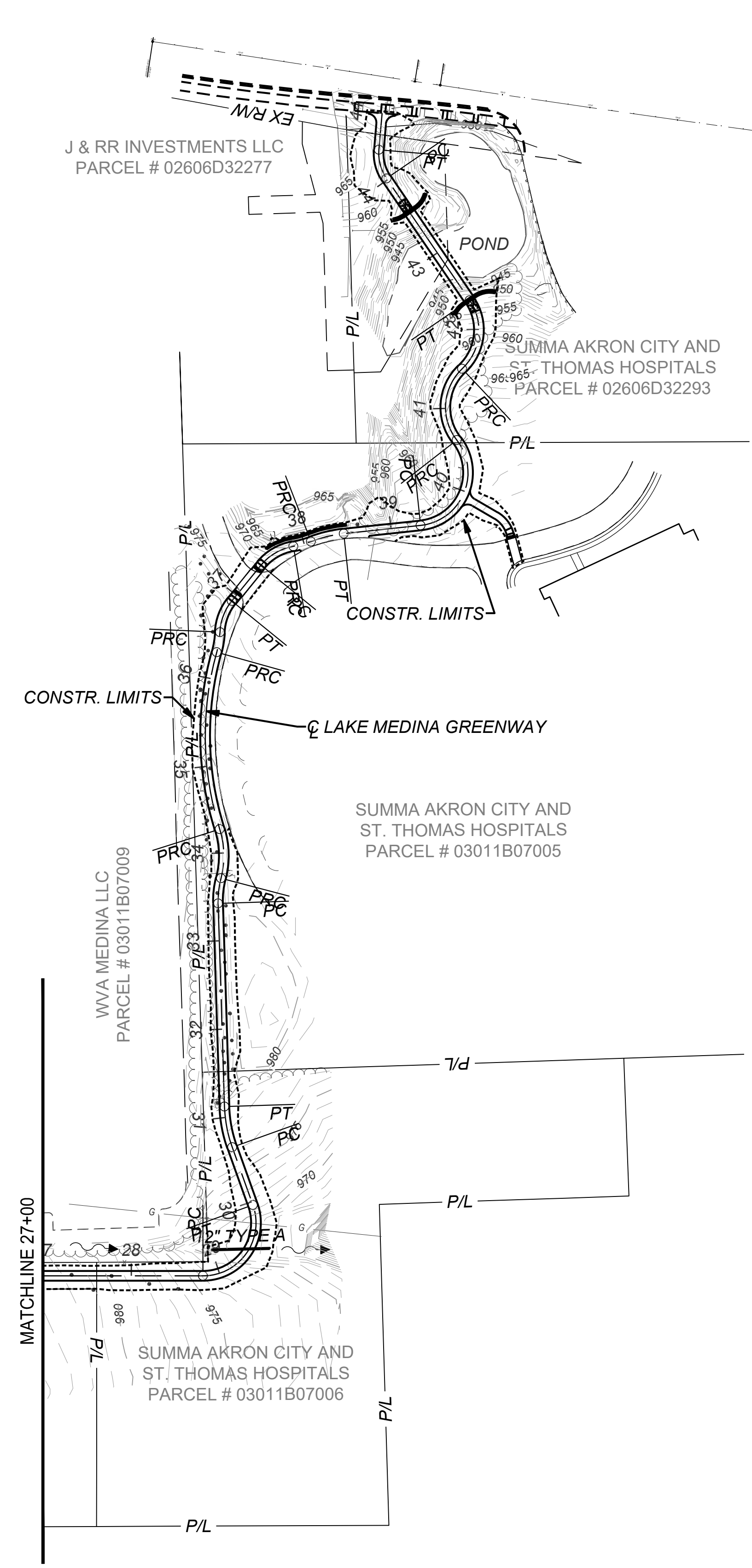
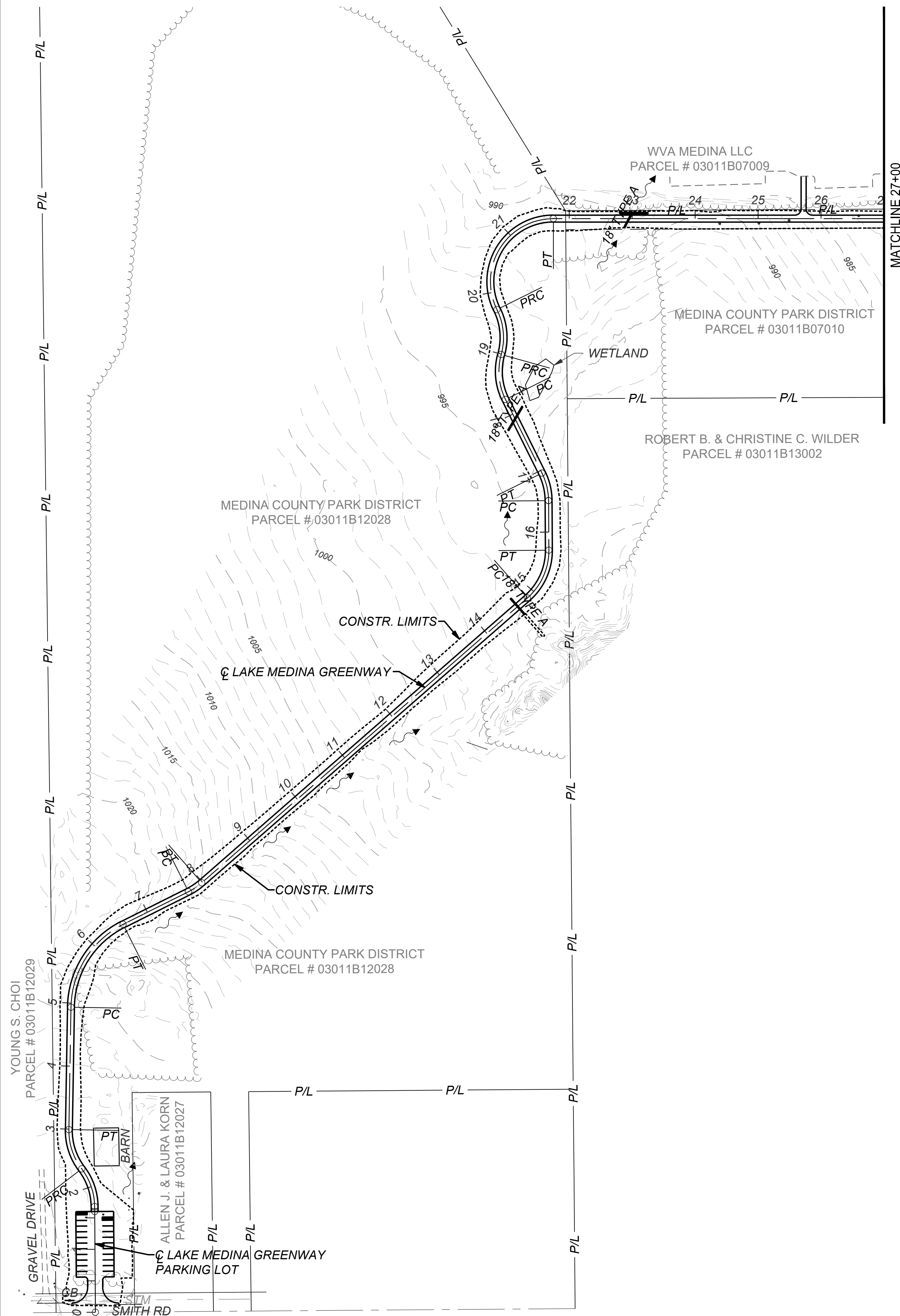
NES  
 PROJECT ID

761873  
 SHEET TOTAL

5 | 52

**LAKE MEDINA GREENWAY**

MODEL: PROJECT SITE PLAN PAPER SIZE: 34X22 (in.) DATE: 12/2/2024 TIME: 10:18:29 AM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Roadway\Sheets\761873\_GB001.dwg



PROJECT DATA			
PROJECT EARTH DISTURBED AREA .....	3.60 AC	RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION .....	0.3-0.6
ESTIMATED CONTRACTOR EARTH DISTURBED AREA .....	0.58 AC	RUNOFF COEFFICIENT FOR POST CONSTRUCTION .....	0.55
NOTICE OF INTENT EARTH DISTURBED AREA .....	4.18 AC	IMMEDIATE RECEIVING WATERS .....	WEST BRANCH ROCKY RIVER
IMPERVIOUS AREA FOR PRE-CONSTRUCTION .....	0.47 AC	SUBSEQUENT RECEIVING WATERS .....	ROCKY RIVER
IMPERVIOUS AREA FOR POST CONSTRUCTION .....	1.69 AC	POST CONSTRUCTION BMP.....	VEGITATED FILTER STRIPS

HORIZONTAL SCALE  
IN FEET

**PROJECT SITE PLAN**

DESIGN AGENCY

DESIGNER

CNK  
REVIEWER

PROJECT ID

NES

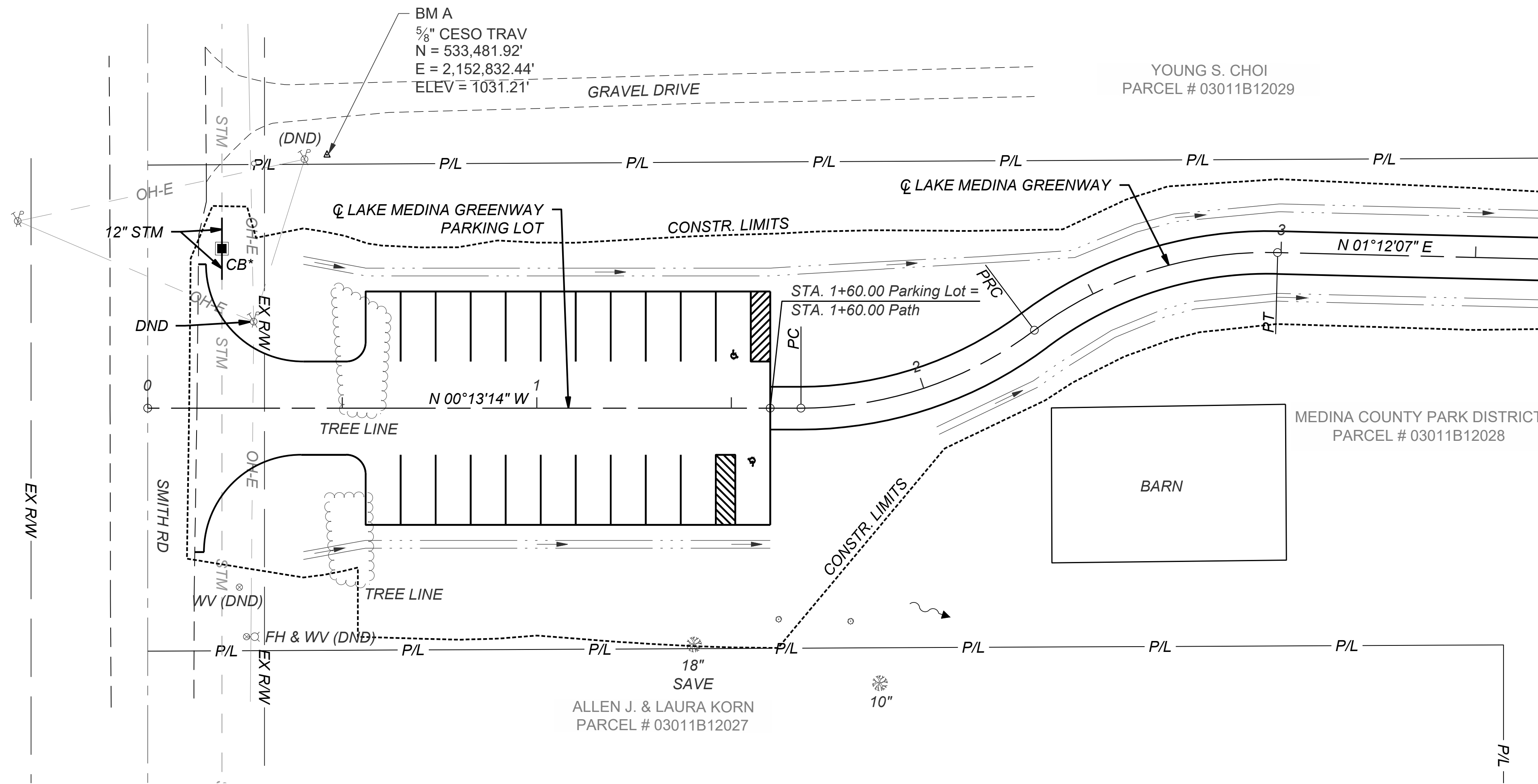
SHEET TOTAL

761873  
6 | 52

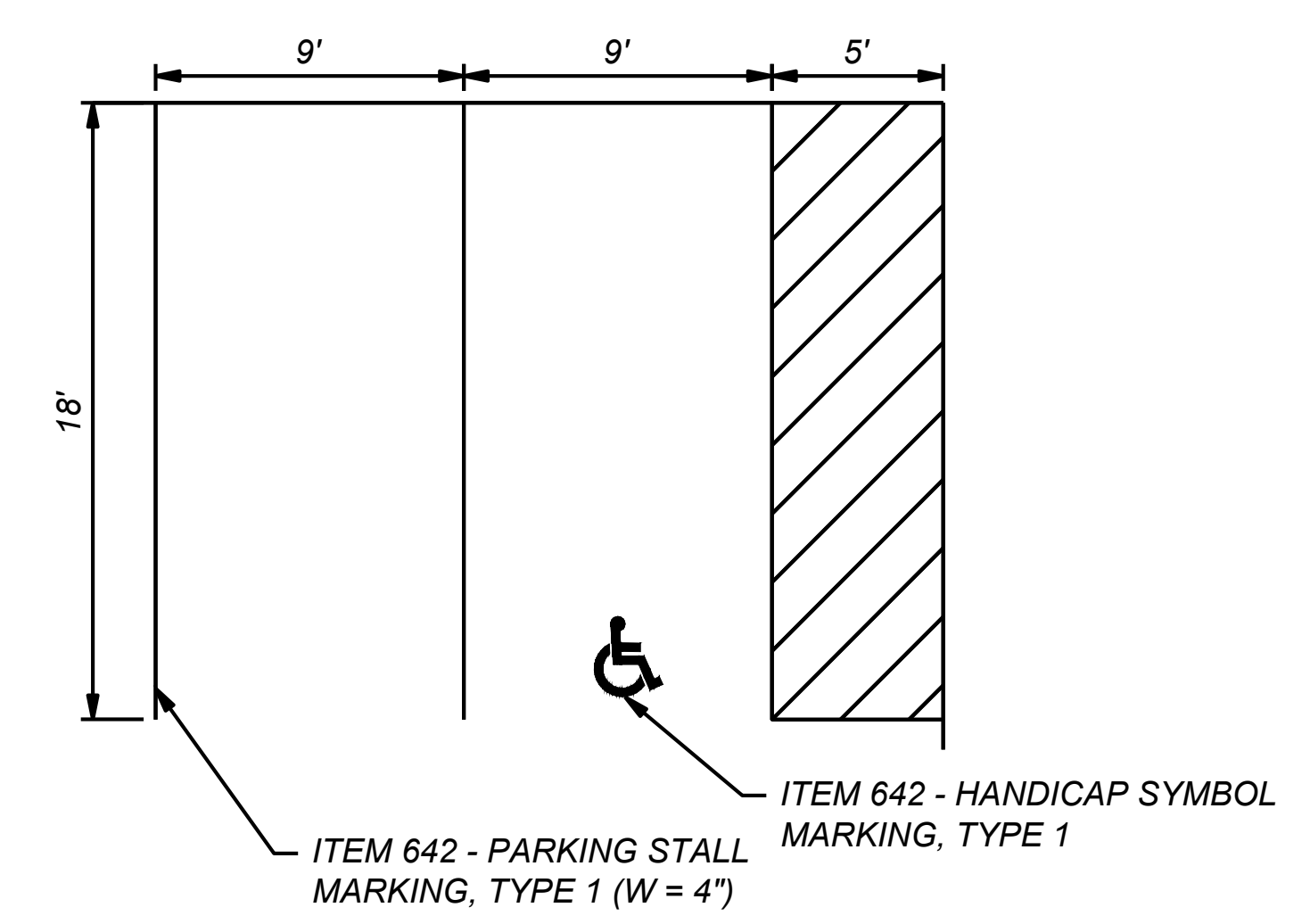
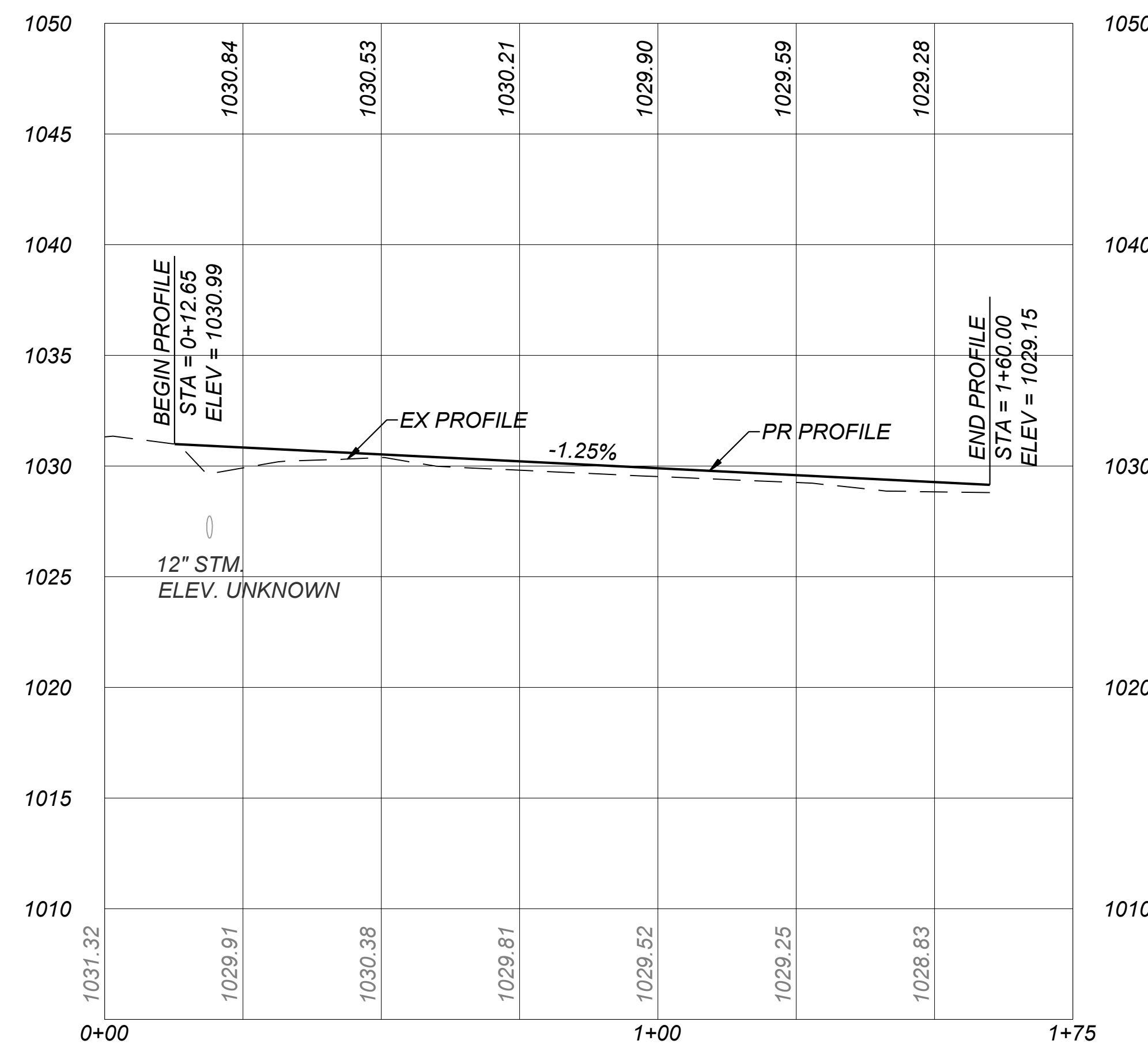
**LAKE MEDINA GREENWAY**

MODEL: PLAN & PROFILE - PARKING LOT PAPER SIZE: 34X22 (in.) DATE: 12/2/2024 TIME: 10:20:16 AM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Roadway\Sheets\761873\_GP001.dwg

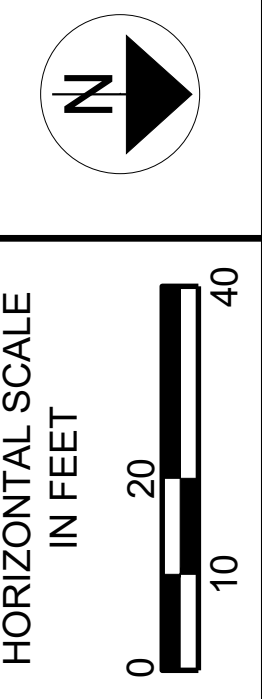
\* CATCH BASIN, AS PER PLAN LOCATED APPROXIMATELY STA. 0+19, 41' LT. SEE NOTE ON SHEET 4 FOR MORE DETAILS.



FOR LAKE MEDINA GREENWAY PLAN & PROFILE, SEE SHEET 10  
 FOR INTERSECTION DETAIL, SEE SHEET 50



**PARKING STALL DETAIL**

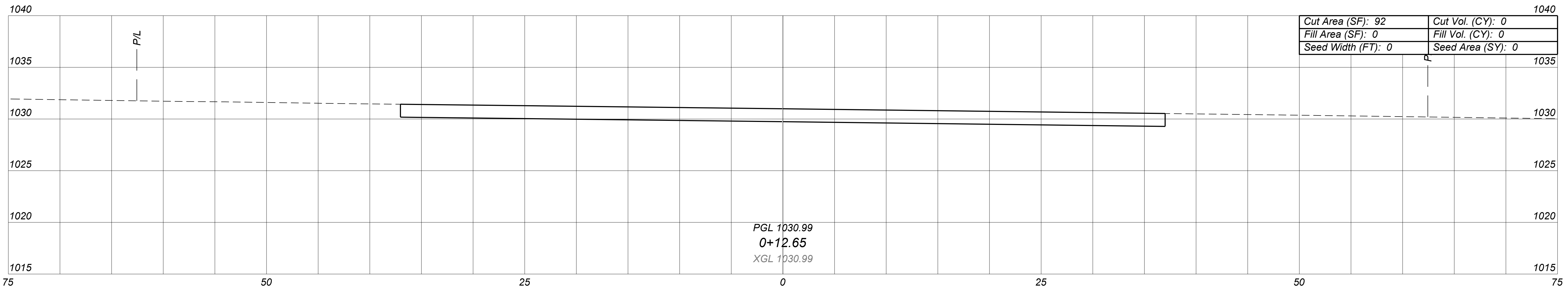
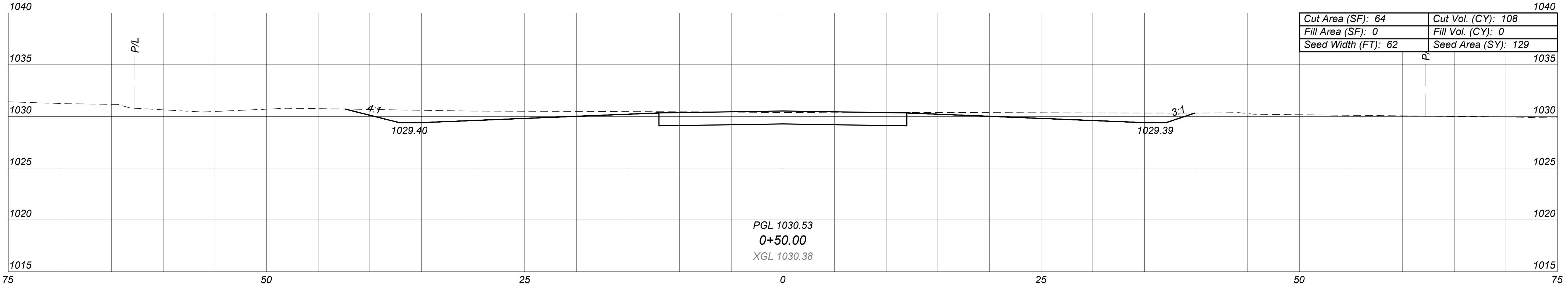


**PLAN & PROFILE  
 LAKE MEDINA GREENWAY  
 PARKING LOT**

DESIGN AGENCY  
  
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 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 7 | 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 0+12.65 TO STA. 0+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 3:50:15 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\_Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS - PARKING LOT  
 STA. 0+12.65 TO STA. 0+50**

DESIGN AGENCY



DESIGNER

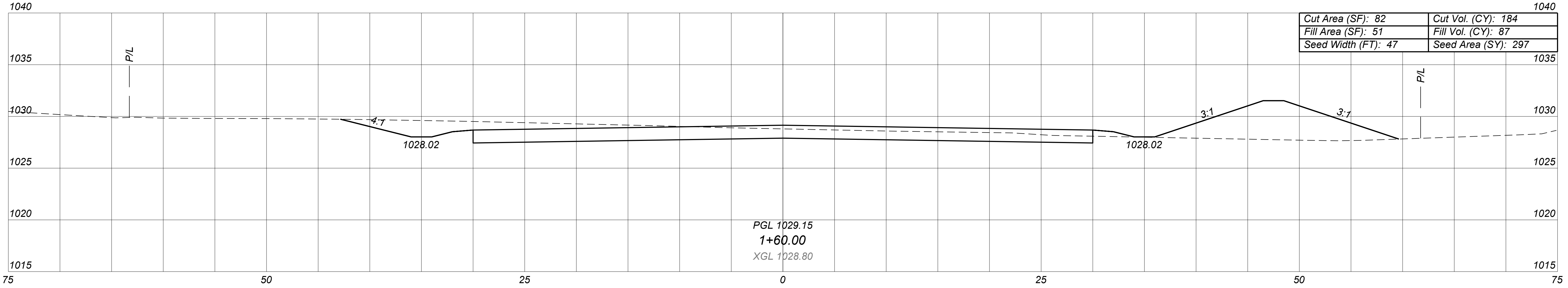
CNK  
 REVIEWER

NES  
 PROJECT ID

761873  
 SHEET TOTAL

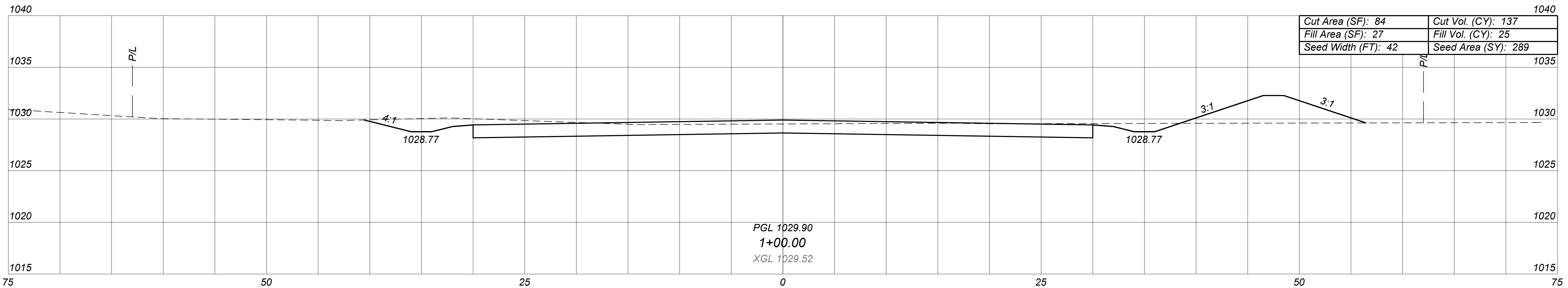
8 | 52





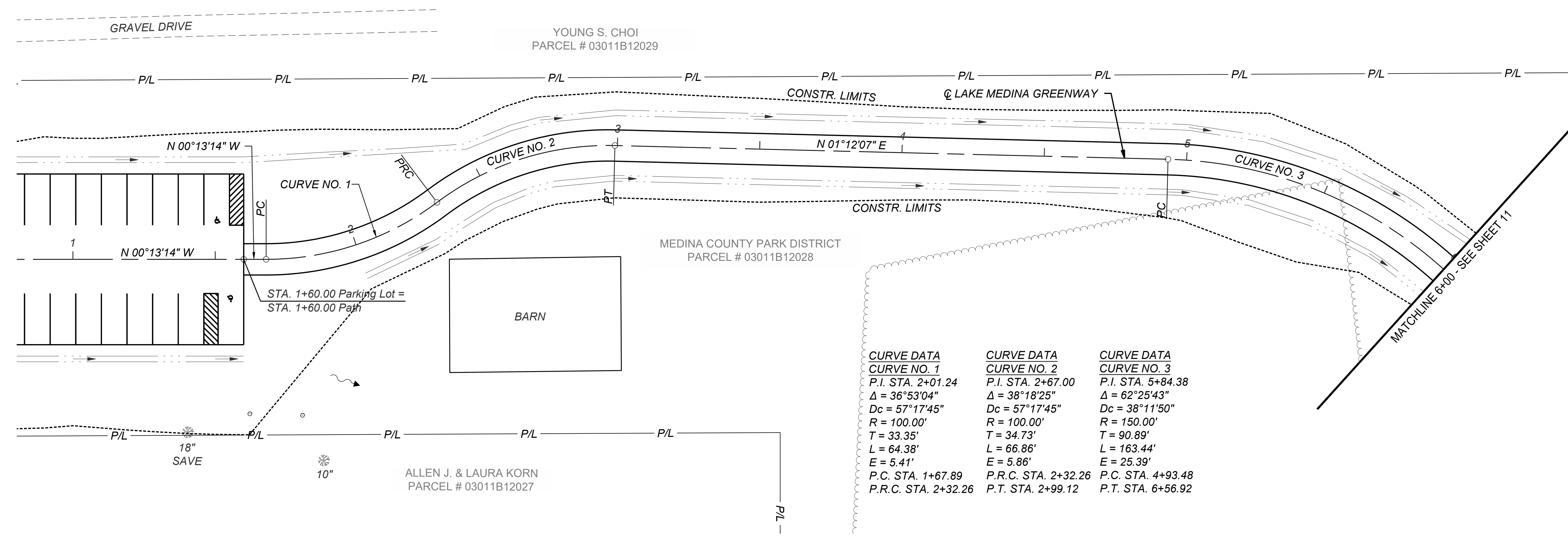
TOTALS CARRIED TO GENERAL SUMMARY  
 FOR SEEDING INFORMATION, SEE SHEET 4

Seeding	Cut	Fill
715	429	112



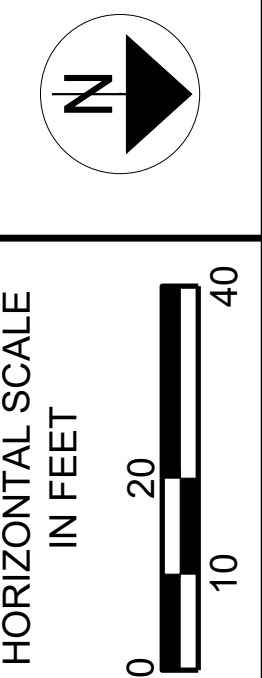
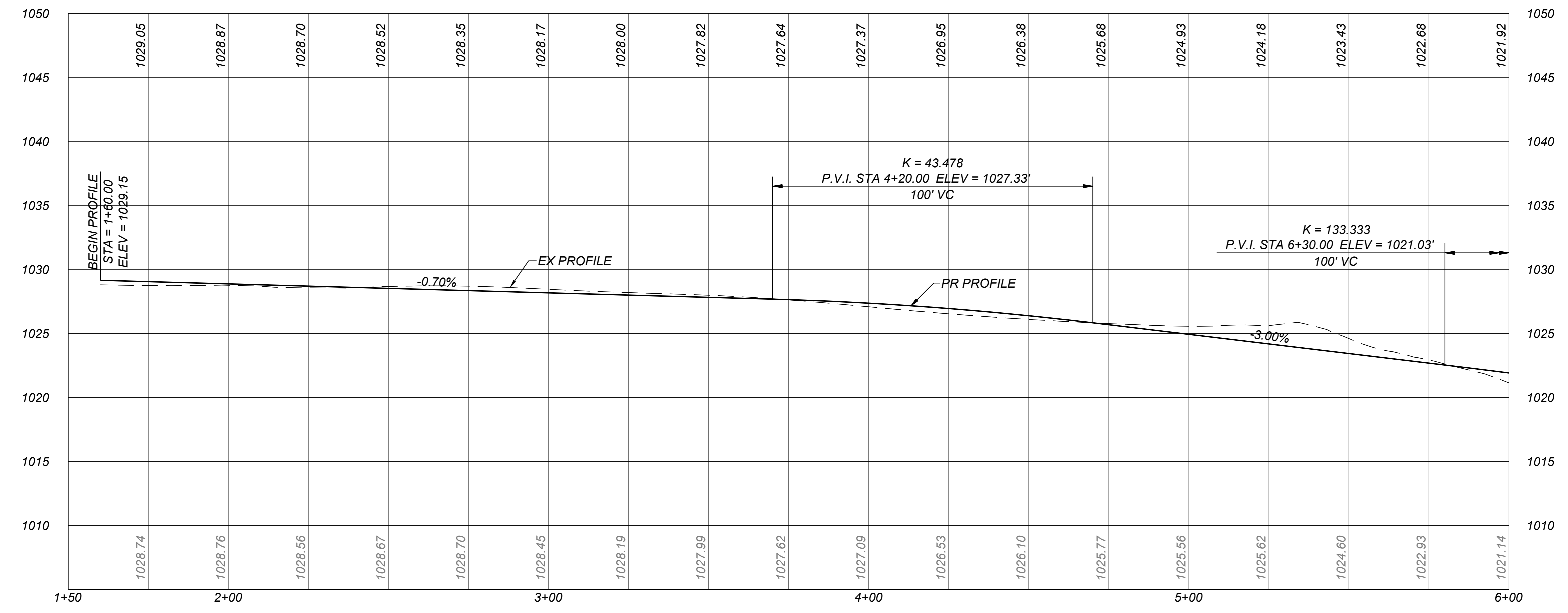
**LAKE MEDINA GREENWAY**

MODEL: PLAN & PROFILE - TRAIL STA. 1+60 TO STA. 6+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 3:54:12 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Roadway\Sheets\761873\_GP002.dwg



CURVE DATA	CURVE DATA	CURVE DATA
CURVE NO. 1	CURVE NO. 2	CURVE NO. 3
P.I. STA. 2+01.24	P.I. STA. 2+67.00	P.I. STA. 5+84.38
$\Delta = 36^{\circ}53'04''$	$\Delta = 38^{\circ}18'25''$	$\Delta = 62^{\circ}25'43''$
$Dc = 57^{\circ}17'45''$	$Dc = 57^{\circ}17'45''$	$Dc = 38^{\circ}11'50''$
$R = 100.00'$	$R = 100.00'$	$R = 150.00'$
$T = 33.35'$	$T = 34.73'$	$T = 90.89'$
$L = 64.38'$	$L = 66.86'$	$L = 163.44'$
$E = 5.41'$	$E = 5.86'$	$E = 25.39'$
P.C. STA. 1+67.89	P.R.C. STA. 2+32.26	P.C. STA. 4+93.48
	P.T. STA. 2+99.12	P.T. STA. 6+56.92

FOR LAKE MEDINA GREENWAY PARKING LOT PLAN & PROFILE, SEE SHEET 7

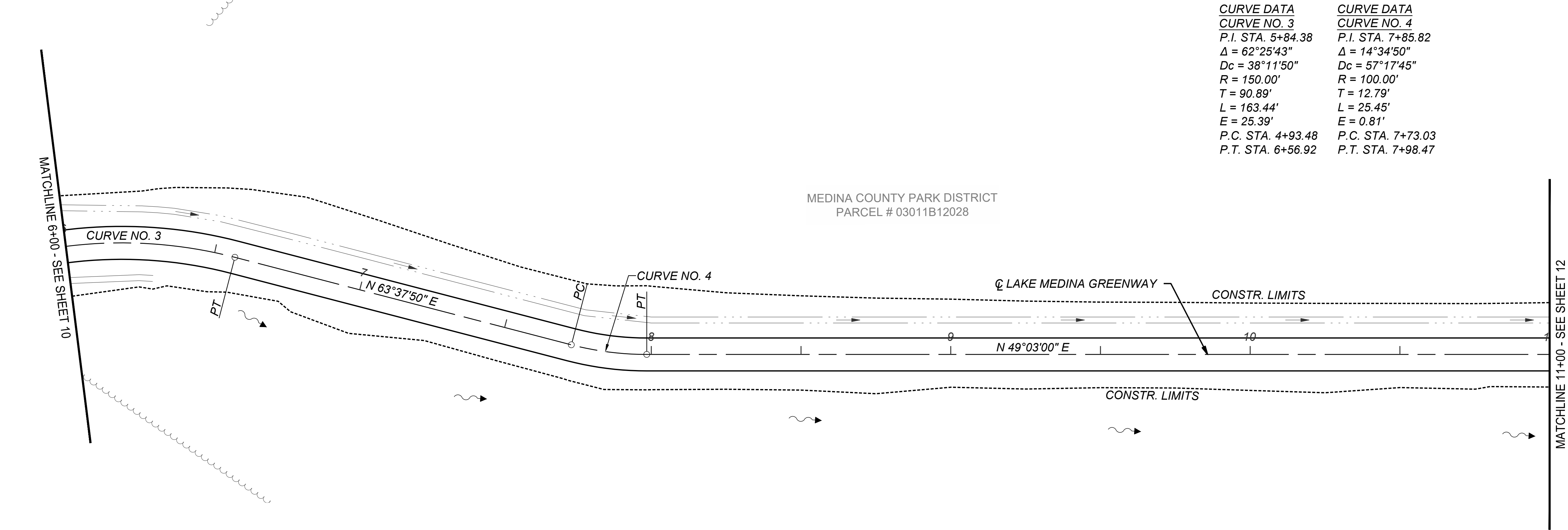


**PLAN & PROFILE  
LAKE MEDINA GREENWAY  
STA. 1+60 TO STA. 6+00**

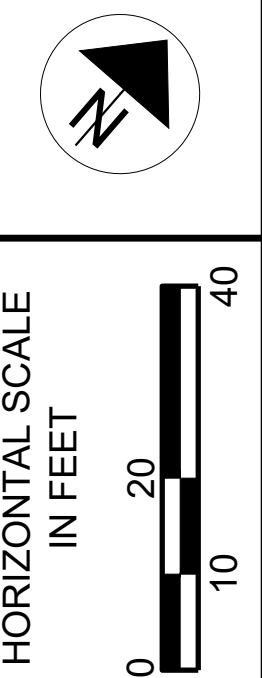
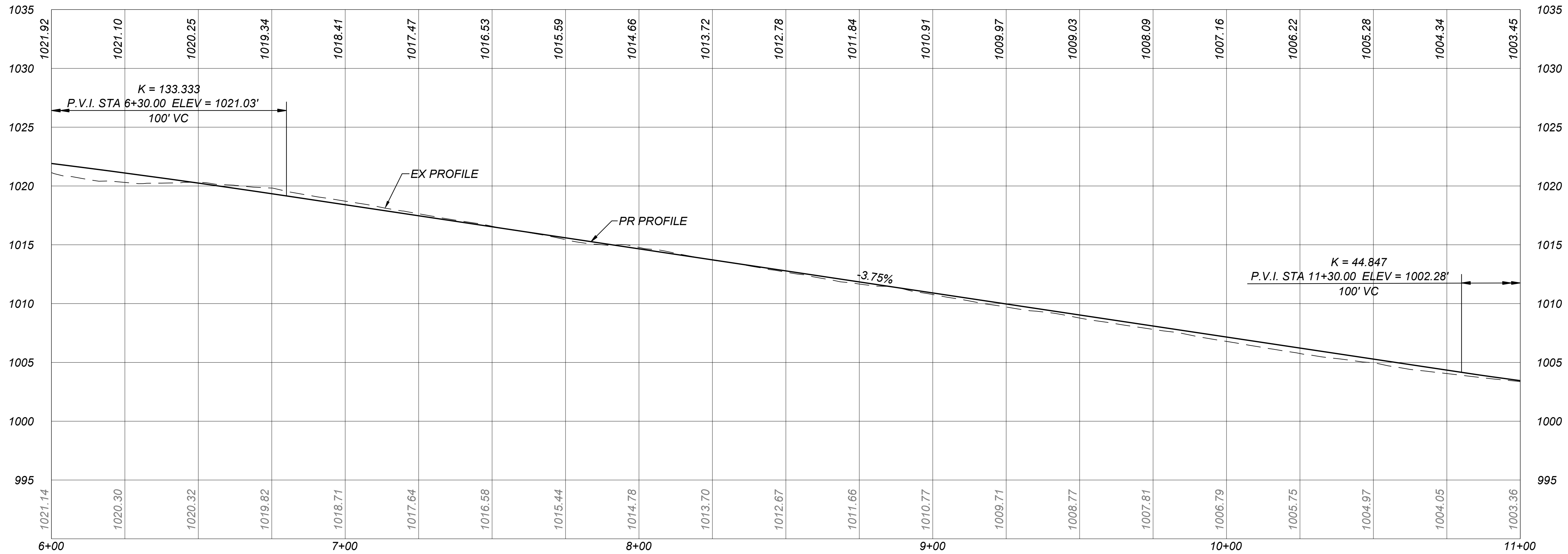
DESIGN AGENCY  
  
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 DESIGNER  
 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 10 | 52

**LAKE MEDINA GREENWAY**

MODEL: PLAN & PROFILE - TRAIL STA. 6+00 TO STA. 11+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 3:58:01 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Roadway\Sheets\761873\_GP003.dwg



CURVE DATA	CURVE DATA
CURVE NO. 3	CURVE NO. 4
P.I. STA. 5+84.38	P.I. STA. 7+85.82
$\Delta = 62^\circ 25' 43''$	$\Delta = 14^\circ 34' 50''$
$Dc = 38^\circ 11' 50''$	$Dc = 57^\circ 17' 45''$
$R = 150.00'$	$R = 100.00'$
$T = 90.89'$	$T = 12.79'$
$L = 163.44'$	$L = 25.45'$
$E = 25.39'$	$E = 0.81'$
P.C. STA. 4+93.48	P.C. STA. 7+73.03
P.T. STA. 6+56.92	P.T. STA. 7+98.47



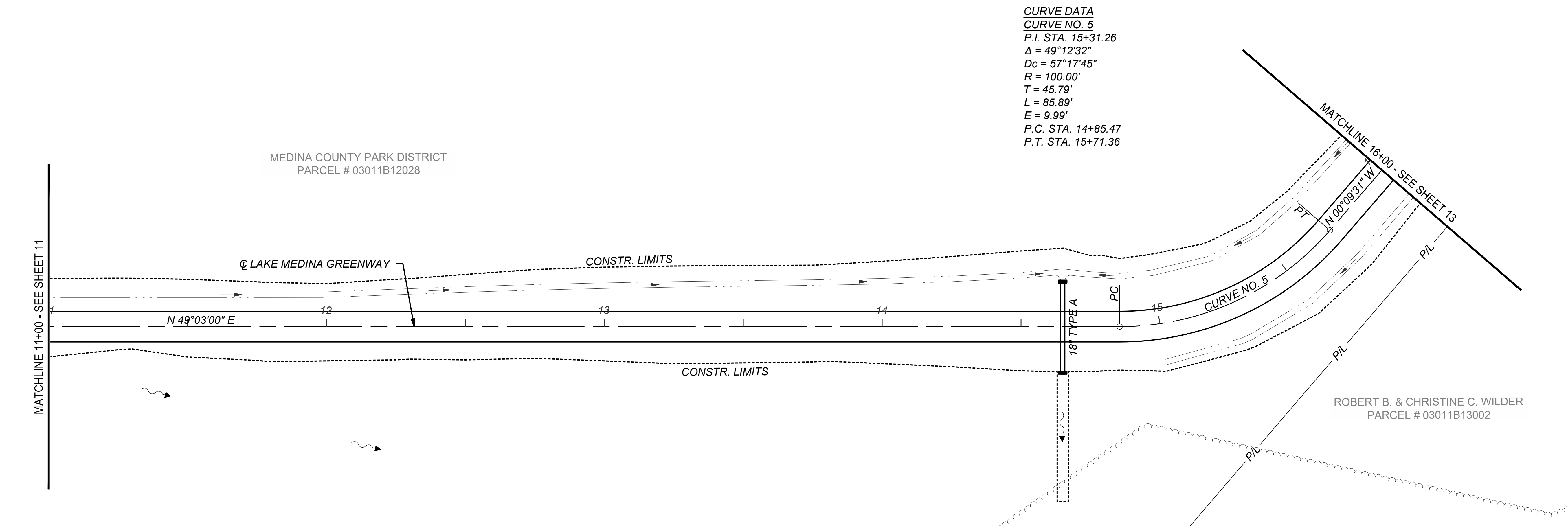
**PLAN & PROFILE  
LAKE MEDINA GREENWAY  
STA. 6+00 TO STA. 11+00**

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 PROJECT ID  
 761873  
 SHEET TOTAL  
 11 | 52

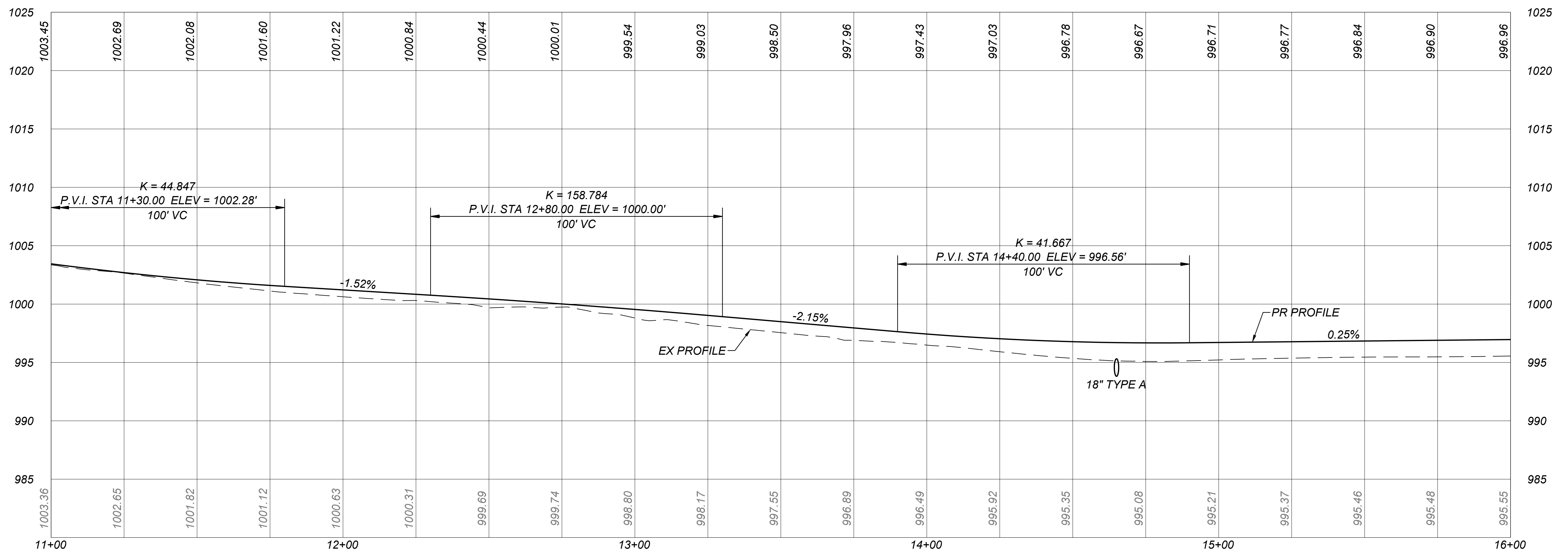
**LAKE MEDINA GREENWAY**

MODEL: PLAN & PROFILE - TRAIL STA. 11+00 TO STA. 16+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:02:04 PM USER: KC-KIRLANGITTS

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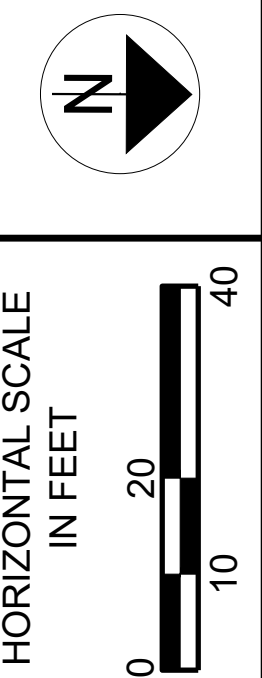
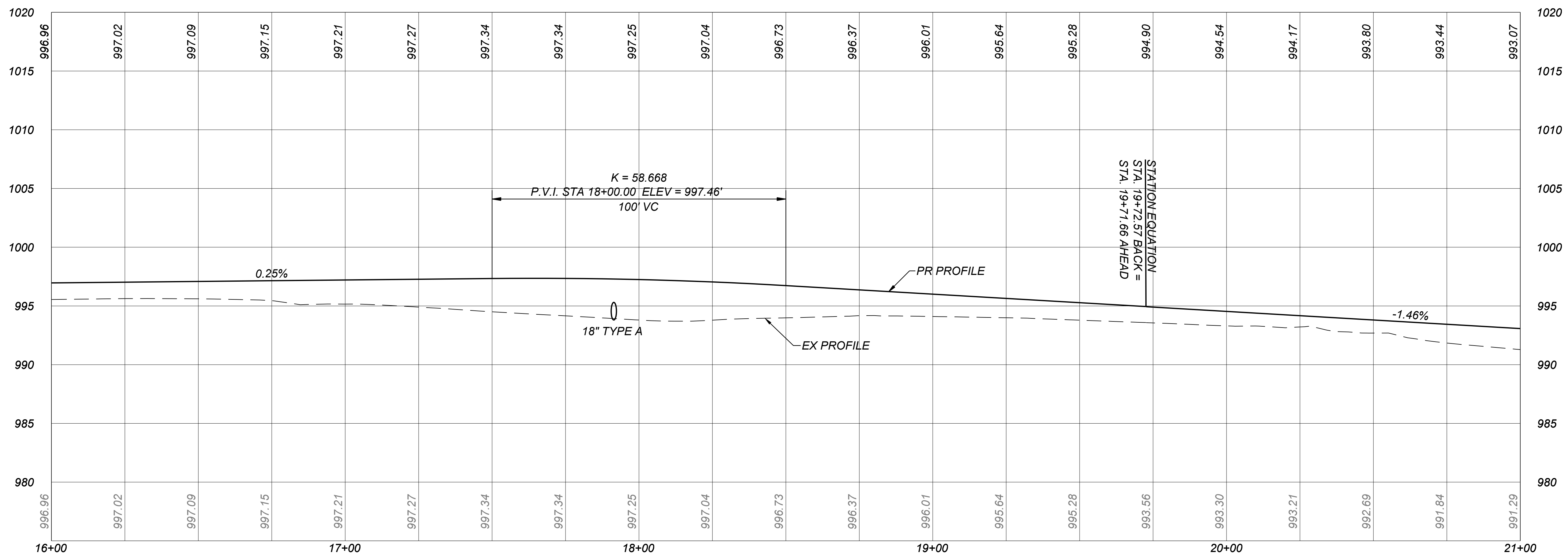
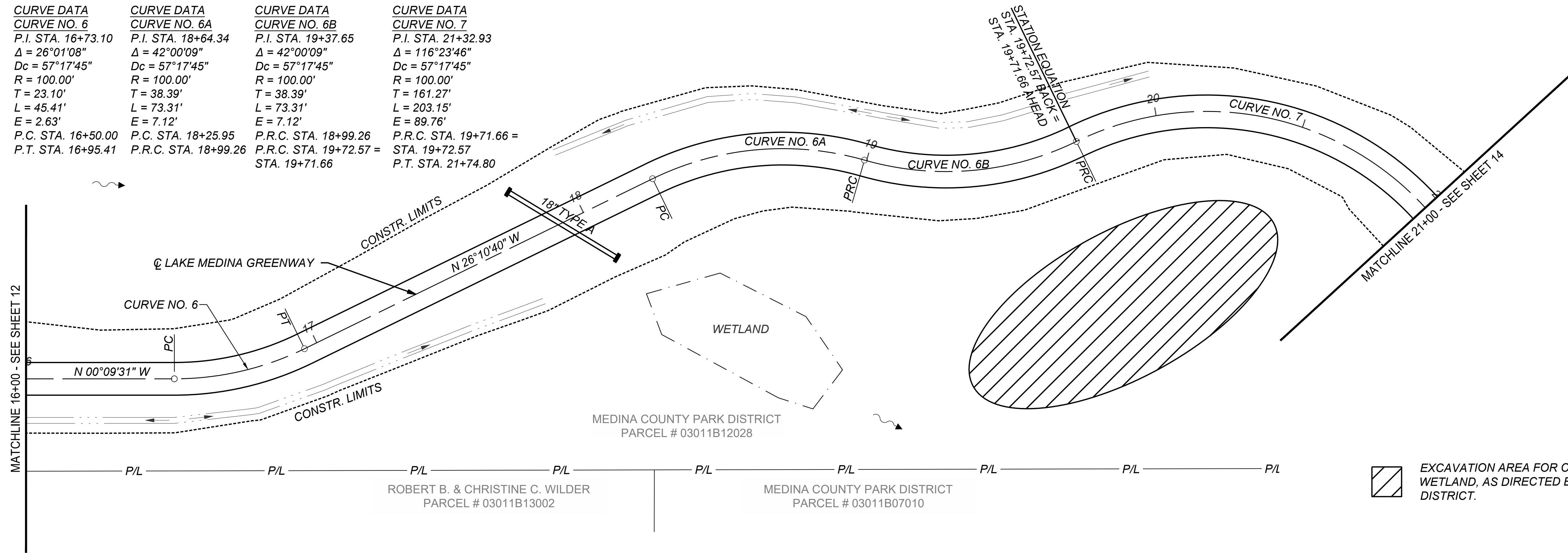
**CURVE DATA**  
 CURVE NO. 5  
 P.I. STA. 15+31.26  
 $\Delta = 49^\circ 12' 32''$   
 $D_c = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 45.79'$   
 $L = 85.89'$   
 $E = 9.99'$   
 P.C. STA. 14+85.47  
 P.T. STA. 15+71.36



**PLAN & PROFILE**  
**LAKE MEDINA GREENWAY**  
**STA. 11+00 TO STA. 16+00**

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 PROJECT ID  
 761873  
 SHEET TOTAL  
 12 | 52

CURVE DATA	CURVE DATA	CURVE DATA	CURVE DATA
CURVE NO. 6	CURVE NO. 6A	CURVE NO. 6B	CURVE NO. 7
P.I. STA. 16+73.10	P.I. STA. 18+64.34	P.I. STA. 19+37.65	P.I. STA. 21+32.93
$\Delta = 26^{\circ}01'08''$	$\Delta = 42^{\circ}00'09''$	$\Delta = 42^{\circ}00'09''$	$\Delta = 116^{\circ}23'46''$
$D_c = 57^{\circ}17'45''$	$D_c = 57^{\circ}17'45''$	$D_c = 57^{\circ}17'45''$	$D_c = 57^{\circ}17'45''$
$R = 100.00'$	$R = 100.00'$	$R = 100.00'$	$R = 100.00'$
$T = 23.10'$	$T = 38.39'$	$T = 38.39'$	$T = 161.27'$
$L = 45.41'$	$L = 73.31'$	$L = 73.31'$	$L = 203.15'$
$E = 2.63'$	$E = 7.12'$	$E = 7.12'$	$E = 89.76'$
P.C. STA. 16+50.00	P.C. STA. 18+25.95	P.R.C. STA. 18+99.26	P.R.C. STA. 19+71.66 =
P.T. STA. 16+95.41	P.R.C. STA. 18+99.26	P.R.C. STA. 19+72.57 =	STA. 19+72.57
		STA. 19+71.66	P.T. STA. 21+74.80



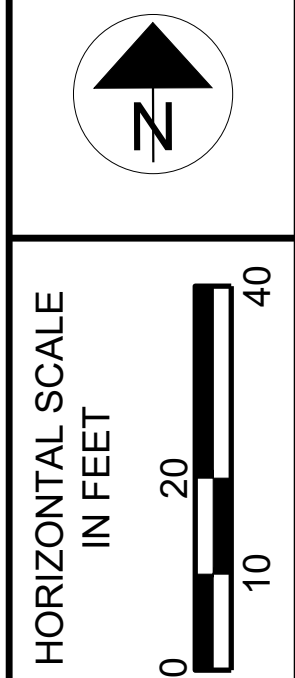
PLAN & PROFILE  
LAKE MEDINA GREENWAY  
STA. 16+00 TO STA. 21+00

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NES

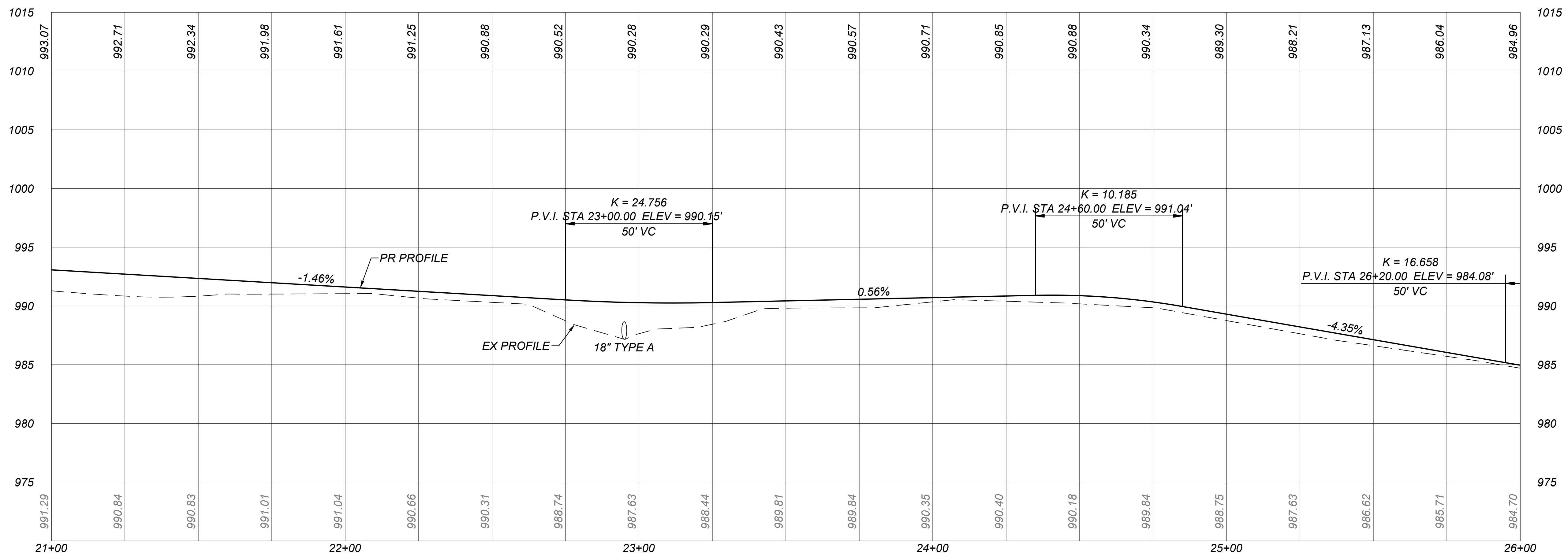
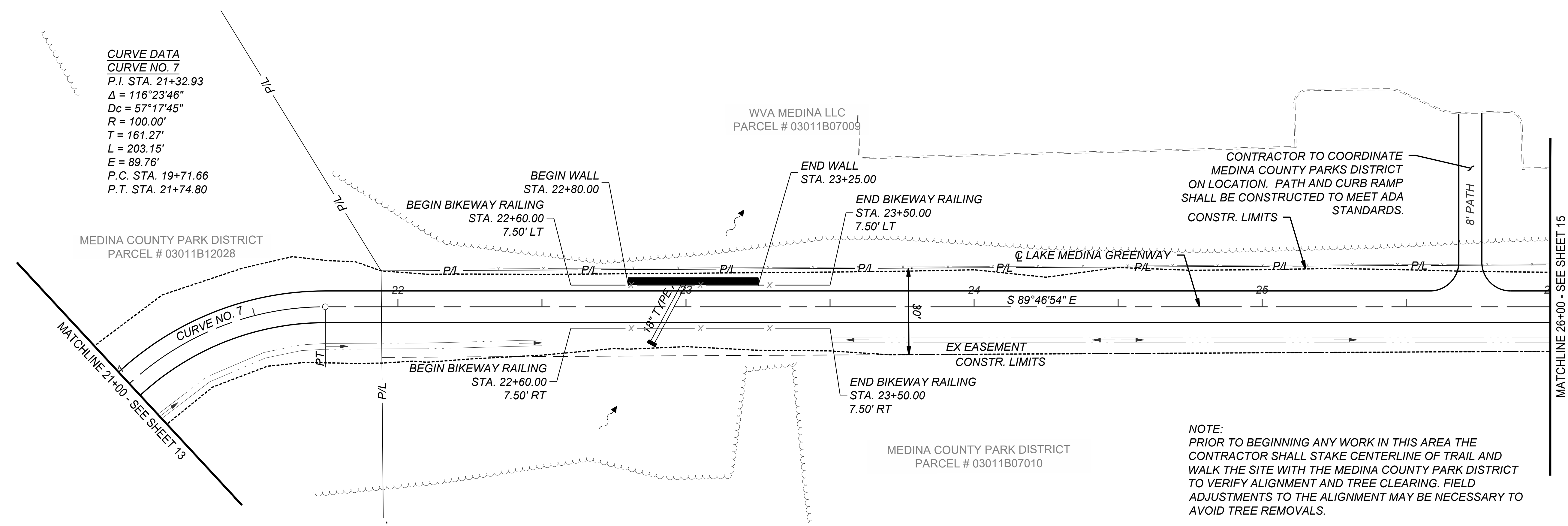
PROJECT ID  
761873

SHEET TOTAL  
13 | 52

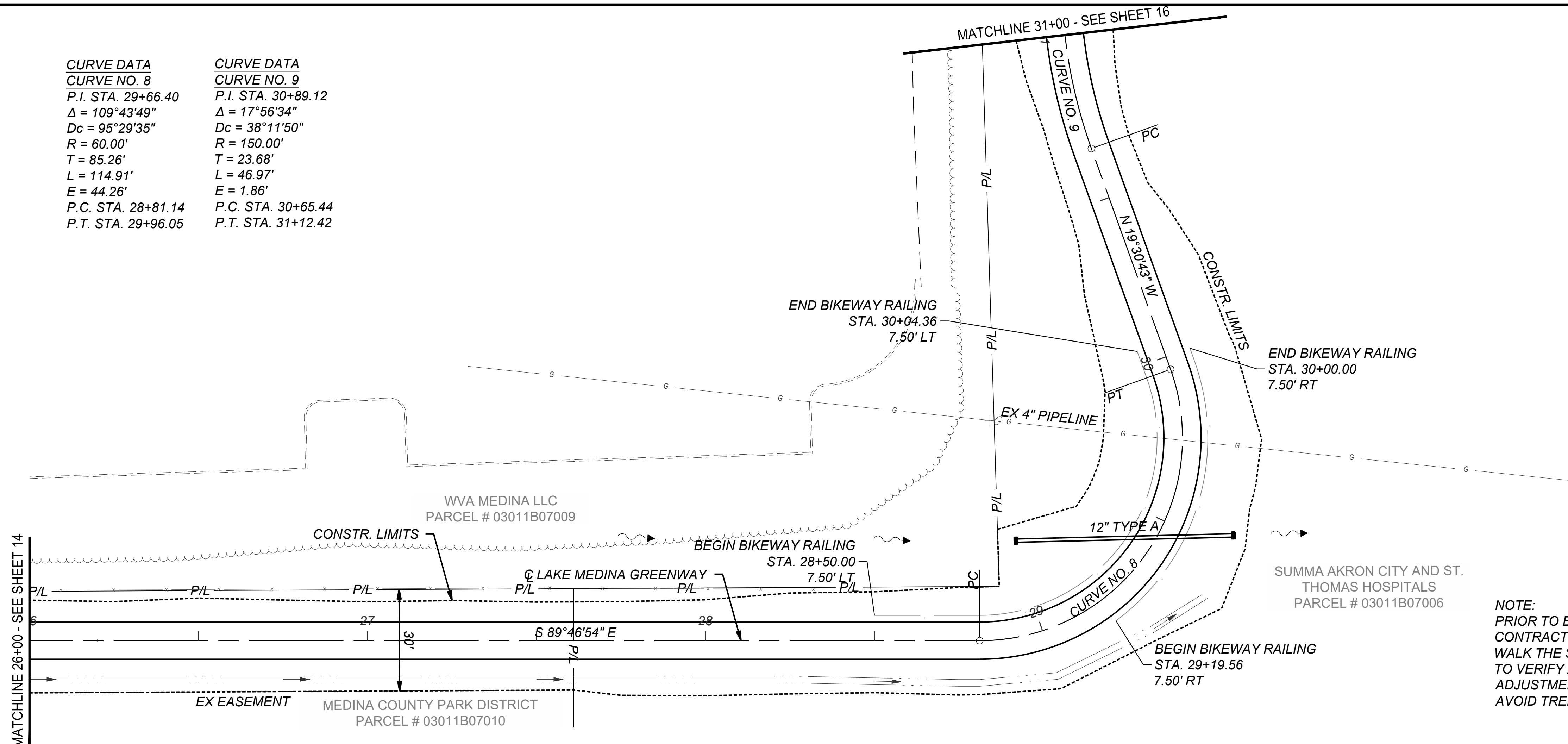


**PLAN & PROFILE  
LAKE MEDINA GREENWAY  
STA. 21+00 TO STA. 26+00**

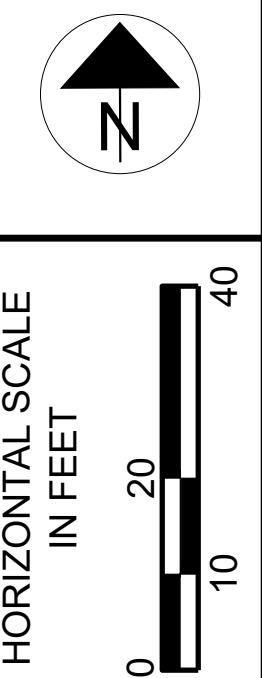
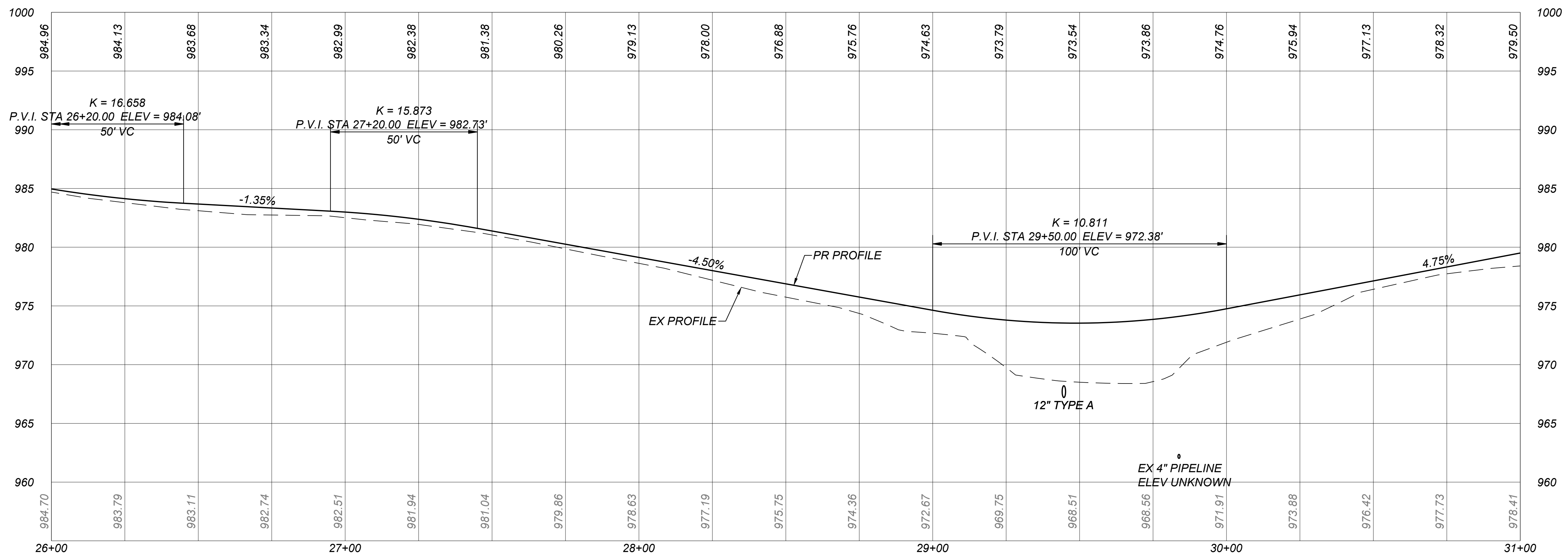
DESIGN AGENCY  
  
 CESO  
 WWW.CESOINC.COM  
 DESIGNER  
 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 14 | 52



CURVE DATA		CURVE DATA	
CURVE NO. 8	P.I. STA. 29+66.40	CURVE NO. 9	P.I. STA. 30+89.12
$\Delta = 109^{\circ}43'49''$		$\Delta = 17^{\circ}56'34''$	
$D_c = 95^{\circ}29'35''$		$D_c = 38^{\circ}11'50''$	
$R = 60.00'$		$R = 150.00'$	
$T = 85.26'$		$T = 23.68'$	
$L = 114.91'$		$L = 46.97'$	
$E = 44.26'$		$E = 1.86'$	
$P.C. STA. 28+81.14$		$P.C. STA. 30+65.44$	
$P.T. STA. 29+96.05$		$P.T. STA. 31+12.42$	



NOTE:  
PRIOR TO BEGINNING ANY WORK IN THIS AREA THE CONTRACTOR SHALL STAKE CENTERLINE OF TRAIL AND WALK THE SITE WITH THE MEDINA COUNTY PARK DISTRICT TO VERIFY ALIGNMENT AND TREE CLEARING. FIELD ADJUSTMENTS TO THE ALIGNMENT MAY BE NECESSARY TO AVOID TREE REMOVALS.



**PLAN & PROFILE  
LAKE MEDINA GREENWAY  
STA. 26+00 TO STA. 31+00**

DESIGN AGENCY  
**CESO**  
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PROJECT ID  
761873  
SHEET TOTAL  
15 | 52

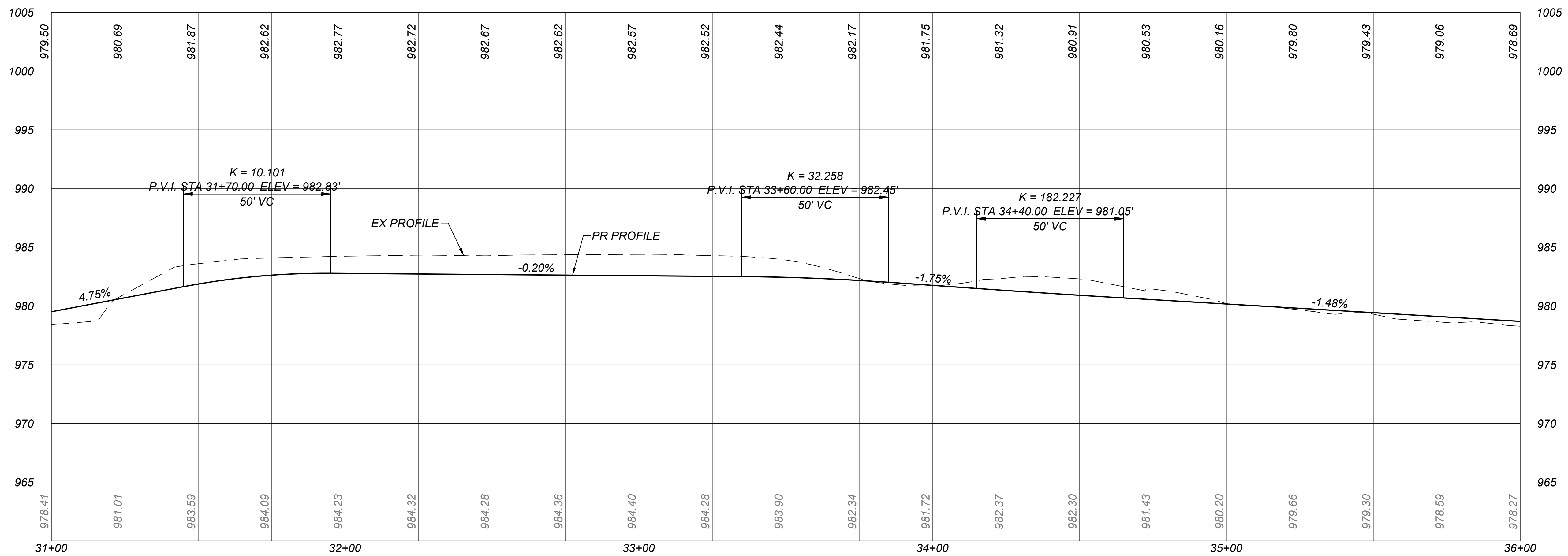
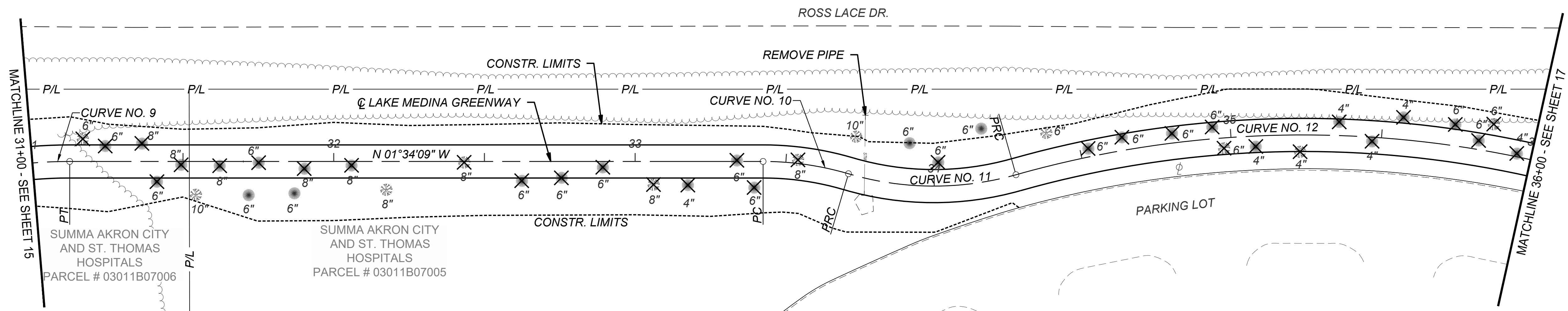
WVA MEDINA LLC  
PARCEL # 03011B07009

CURVE DATA	CURVE DATA	CURVE DATA	CURVE DATA
CURVE NO. 9	CURVE NO. 10	CURVE NO. 11	CURVE NO. 12
P.I. STA. 30+89.12	P.I. STA. 33+56.91	P.I. STA. 34+00.09	P.I. STA. 35+31.95
$\Delta = 17^\circ 56' 34''$	$\Delta = 16^\circ 27' 35''$	$\Delta = 32^\circ 15' 38''$	$\Delta = 33^\circ 14' 23''$
$Dc = 38^\circ 11' 50''$	$Dc = 57^\circ 17' 45''$	$Dc = 57^\circ 17' 45''$	$Dc = 16^\circ 22' 13''$
$R = 150.00'$	$R = 100.00'$	$R = 100.00'$	$R = 350.00'$
$T = 23.68'$	$T = 14.46'$	$T = 28.92'$	$T = 104.47'$
$L = 46.97'$	$L = 28.73'$	$L = 56.31'$	$L = 203.05'$
$E = 1.86'$	$E = 1.04'$	$E = 4.10'$	$E = 15.26'$
P.C. STA. 30+65.44	P.C. STA. 33+42.45	P.R.C. STA. 33+71.17	P.R.C. STA. 34+27.48
P.T. STA. 31+12.42	P.R.C. STA. 33+71.17	P.R.C. STA. 34+27.48	P.R.C. STA. 36+30.53

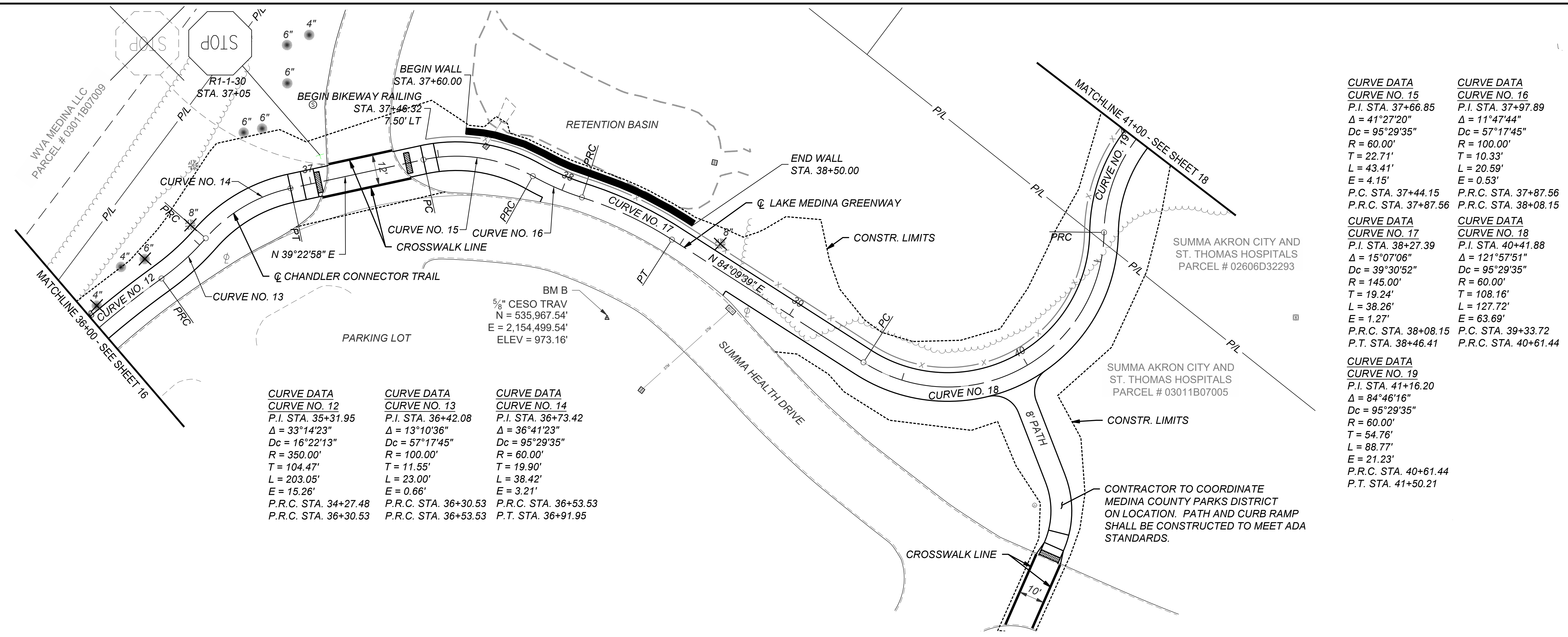


**PLAN & PROFILE**  
**LAKE MEDINA GREENWAY**  
**STA. 31+00 TO STA. 36+00**

DESIGN AGENCY  
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REVIEWER  
NES  
PROJECT ID  
761873  
SHEET TOTAL  
16 | 52

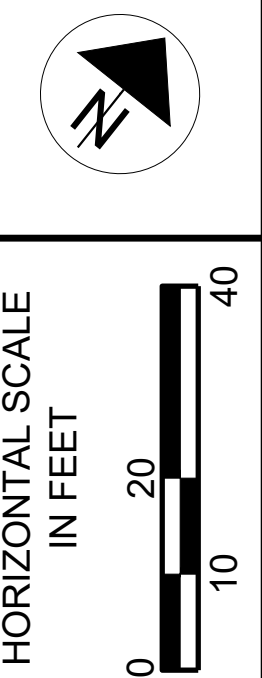
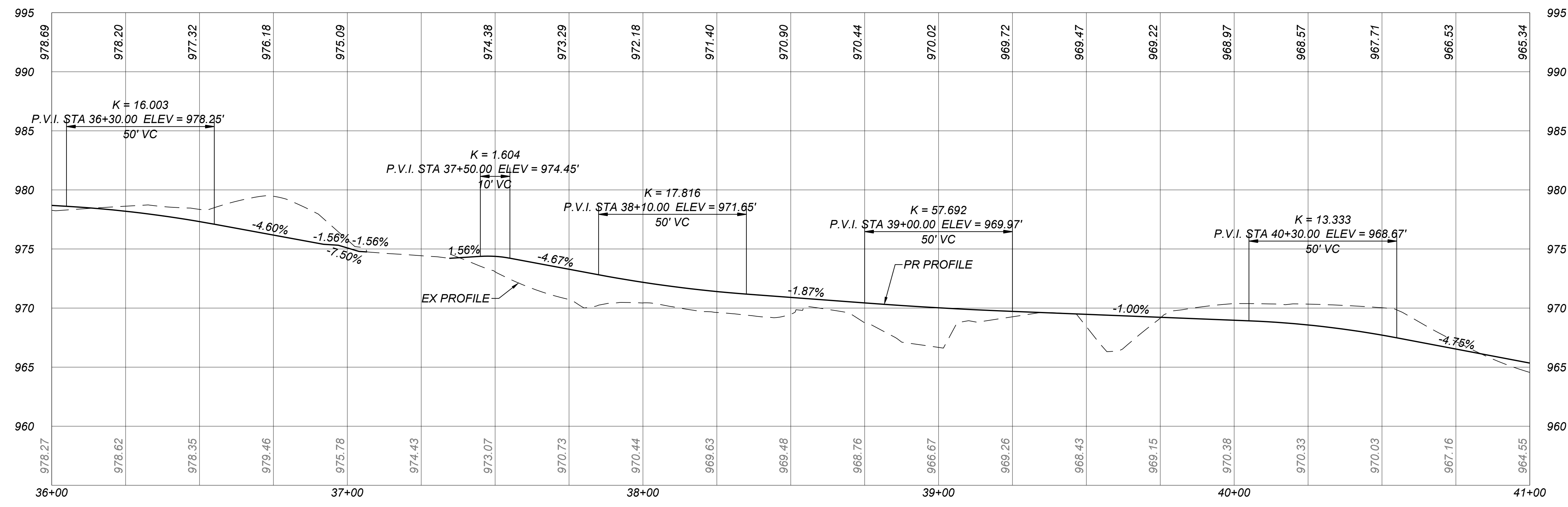






CURVE DATA	CURVE DATA	CURVE DATA
<b>CURVE NO. 12</b>	<b>CURVE NO. 13</b>	<b>CURVE NO. 14</b>
P.I. STA. 35+31.95	P.I. STA. 36+42.08	P.I. STA. 36+73.42
$\Delta = 33^\circ 14' 23''$	$\Delta = 13^\circ 10' 36''$	$\Delta = 36^\circ 41' 23''$
Dc = 16°22'13"	Dc = 57°17'45"	Dc = 95°29'35"
R = 350.00'	R = 100.00'	R = 60.00'
T = 104.47'	T = 11.55'	T = 19.90'
L = 203.05'	L = 23.00'	L = 38.42'
E = 15.26'	E = 0.66'	E = 3.21'
P.R.C. STA. 34+27.48	P.R.C. STA. 36+30.53	P.R.C. STA. 36+53.53
P.R.C. STA. 36+30.53	P.R.C. STA. 36+53.53	P.T. STA. 36+91.95

CURVE DATA	CURVE DATA
<b>CURVE NO. 15</b>	<b>CURVE NO. 16</b>
P.I. STA. 37+66.85	P.I. STA. 37+97.89
$\Delta = 41^\circ 27' 20''$	$\Delta = 11^\circ 47' 44''$
Dc = 95°29'35"	Dc = 57°17'45"
R = 60.00'	R = 100.00'
T = 22.71'	T = 10.33'
L = 43.41'	L = 20.59'
E = 4.15'	E = 0.53'
P.C. STA. 37+44.15	P.R.C. STA. 37+87.56
P.R.C. STA. 37+87.56	P.R.C. STA. 38+08.15
<b>CURVE NO. 17</b>	<b>CURVE NO. 18</b>
P.I. STA. 38+27.39	P.I. STA. 40+41.88
$\Delta = 15^\circ 07' 06''$	$\Delta = 121^\circ 57' 51''$
Dc = 39°30'52"	Dc = 95°29'35"
R = 145.00'	R = 60.00'
T = 19.24'	T = 108.16'
L = 38.26'	L = 127.72'
E = 1.27'	E = 63.69'
P.R.C. STA. 38+08.15	P.C. STA. 39+33.72
P.T. STA. 38+46.41	P.R.C. STA. 40+61.44
<b>CURVE NO. 19</b>	
P.I. STA. 41+16.20	
$\Delta = 84^\circ 46' 16''$	
Dc = 95°29'35"	
R = 60.00'	
T = 54.76'	
L = 88.77'	
E = 21.23'	
P.R.C. STA. 40+61.44	
P.T. STA. 41+50.21	



**PLAN & PROFILE**  
**LAKE MEDINA GREENWAY**  
**STA. 36+00 TO STA. 41+00**

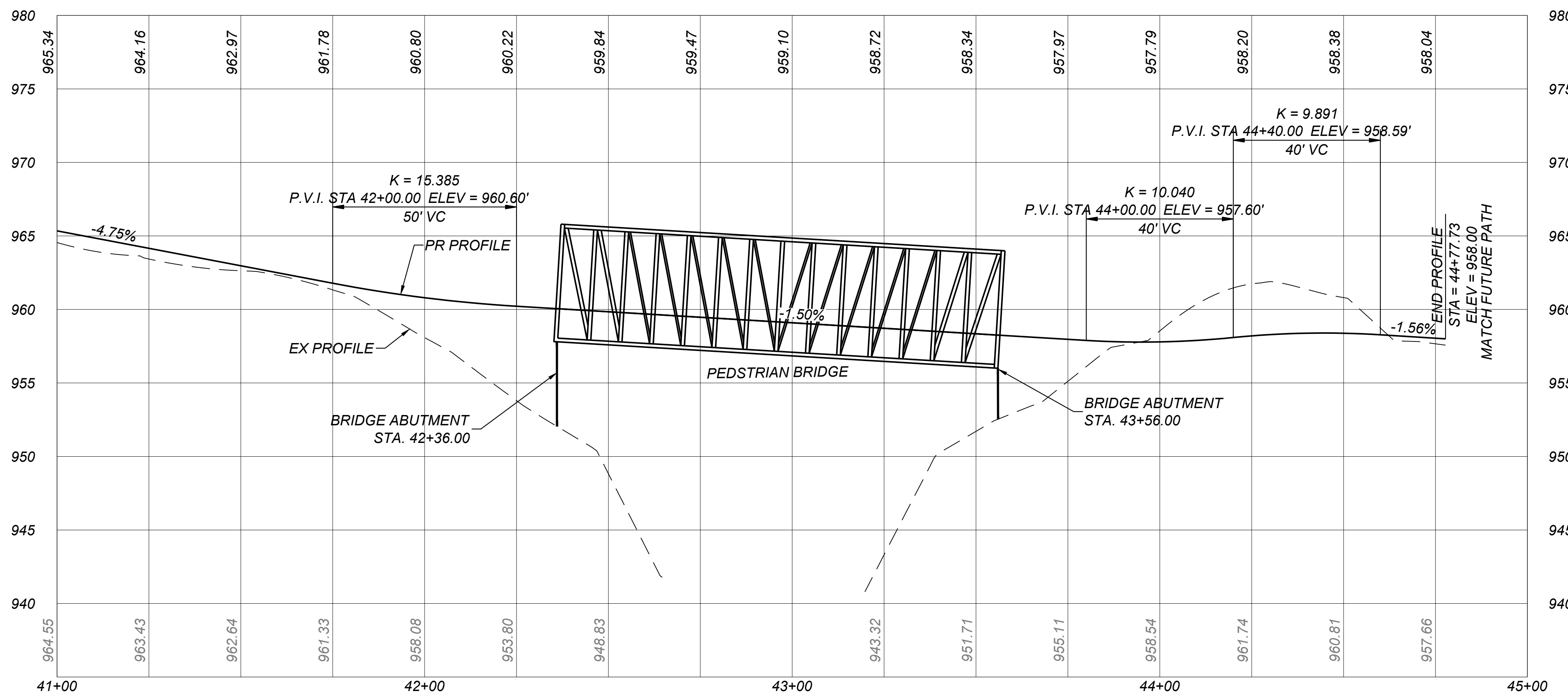
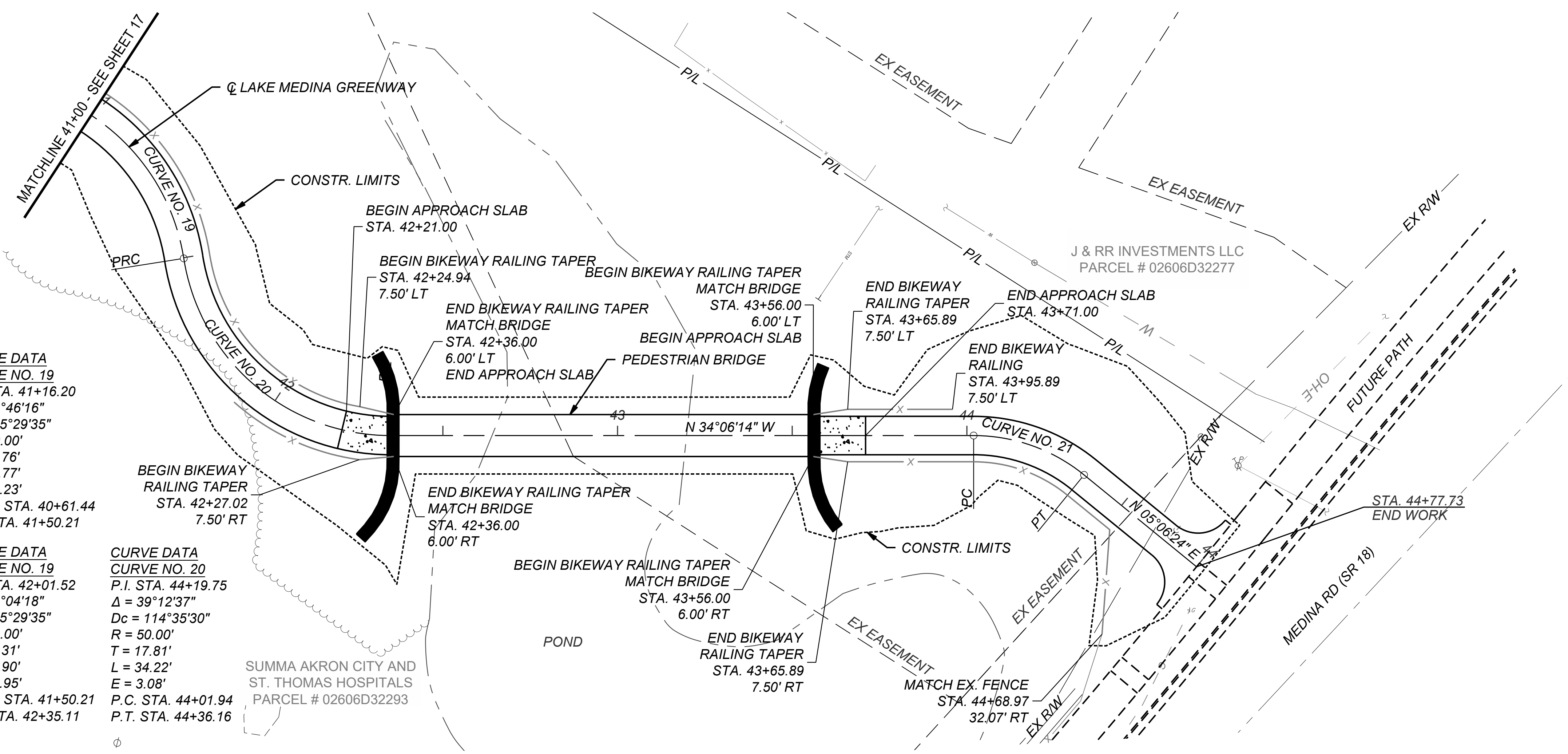
DESIGN AGENCY  
  
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 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 17 | 52

**CURVE DATA**  
**CURVE NO. 19**  
 P.I. STA. 41+16.20  
 $\Delta = 84^{\circ}46'16''$   
 $D_c = 95^{\circ}29'35''$   
 $R = 60.00'$   
 $T = 54.76'$   
 $L = 88.77'$   
 $E = 21.23'$   
 P.R.C. STA. 40+61.44  
 P.T. STA. 41+50.21

**CURVE DATA**  
**CURVE NO. 19**  
 P.I. STA. 42+01.52  
 $\Delta = 81^{\circ}04'18''$   
 $D_c = 95^{\circ}29'35''$   
 $R = 60.00'$   
 $T = 51.31'$   
 $L = 84.90'$   
 $E = 18.95'$   
 P.R.C. STA. 41+50.21  
 P.T. STA. 42+35.11

**CURVE DATA**  
**CURVE NO. 20**  
 P.I. STA. 44+19.75  
 $\Delta = 39^{\circ}12'37''$   
 $D_c = 114^{\circ}35'30''$   
 $R = 50.00'$   
 $T = 17.81'$   
 $L = 34.22'$   
 $E = 3.08'$   
 P.C. STA. 44+01.94  
 P.T. STA. 44+36.16

SUMMA AKRON CITY AND  
 ST. THOMAS HOSPITALS  
 PARCEL # 02606D32293

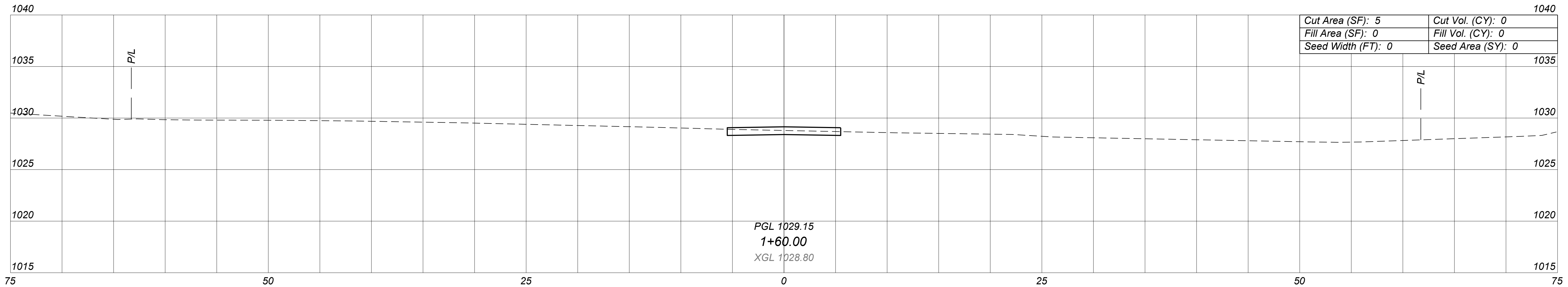
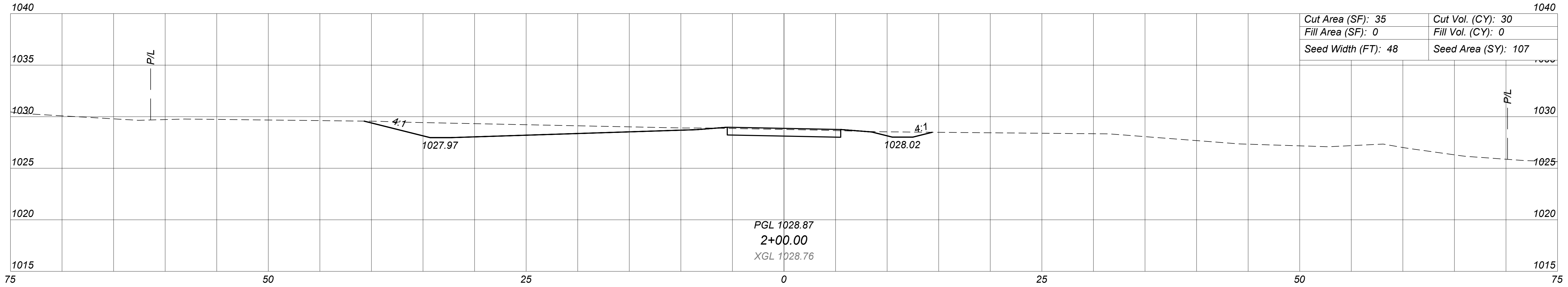
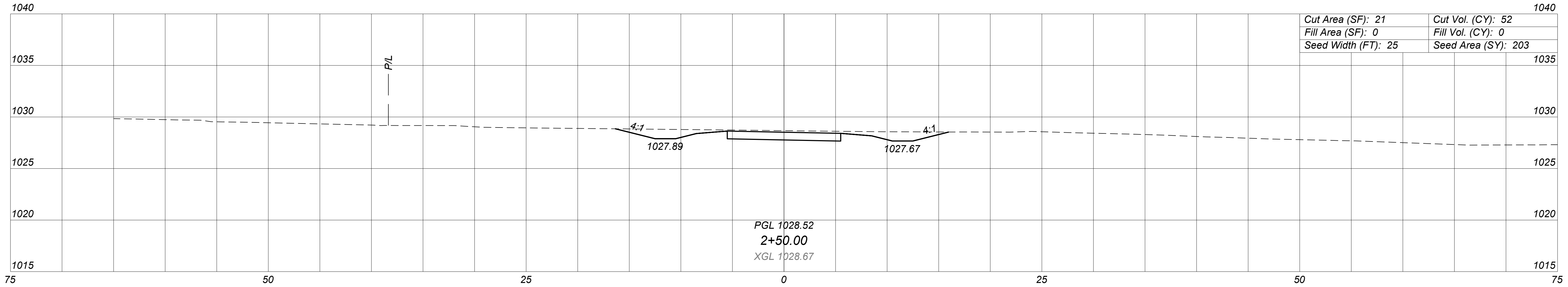


**PLAN & PROFILE**  
**LAKE MEDINA GREENWAY**  
**STA. 41+00 TO STA. 44+77.73**

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 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 18 | 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 1+60 TO STA. 2+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:35:22 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
STA. 1+60 TO STA. 2+50**

DESIGN AGENCY



DESIGNER

CNK  
REVIEWER

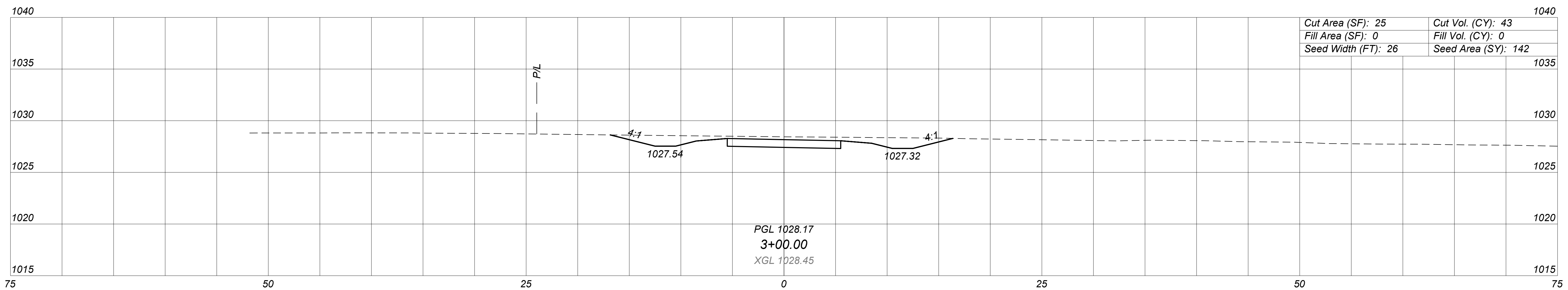
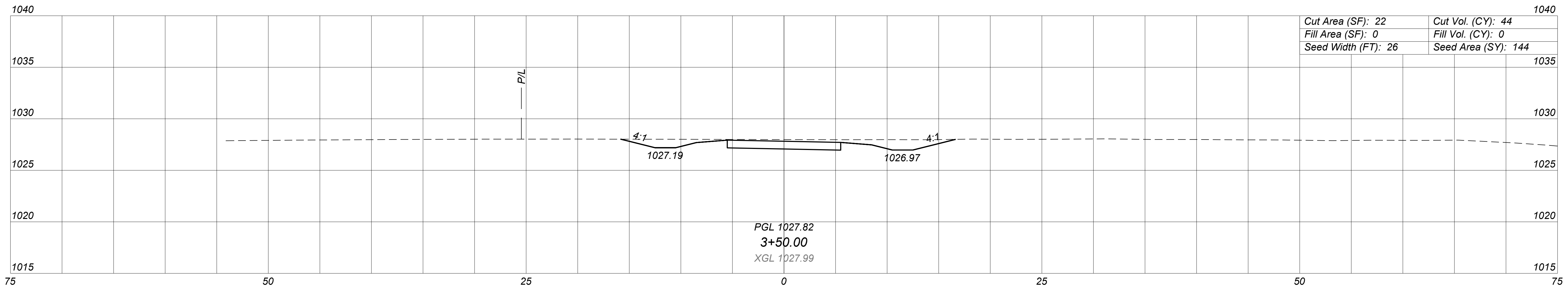
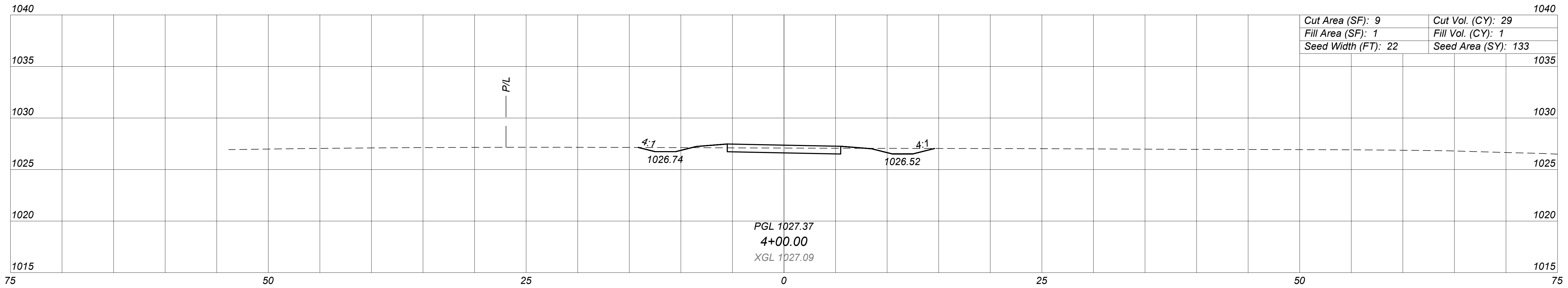
NES

PROJECT ID  
761873

SHEET TOTAL  
19 | 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 3+00 TO STA. 4+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:35:30 PM USER: KC.KIRLANGITIS  
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**CROSS SECTIONS  
 STA. 3+00 TO STA. 4+00**

DESIGN AGENCY



DESIGNER

CNK  
 REVIEWER

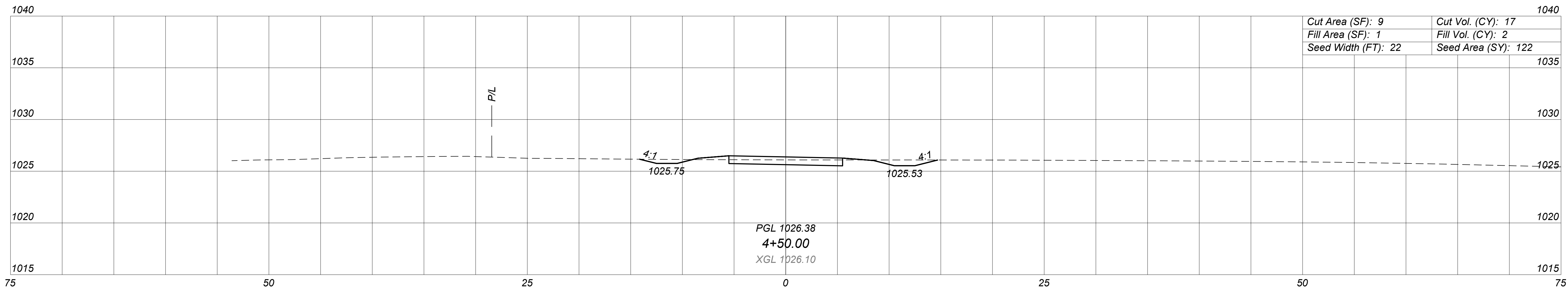
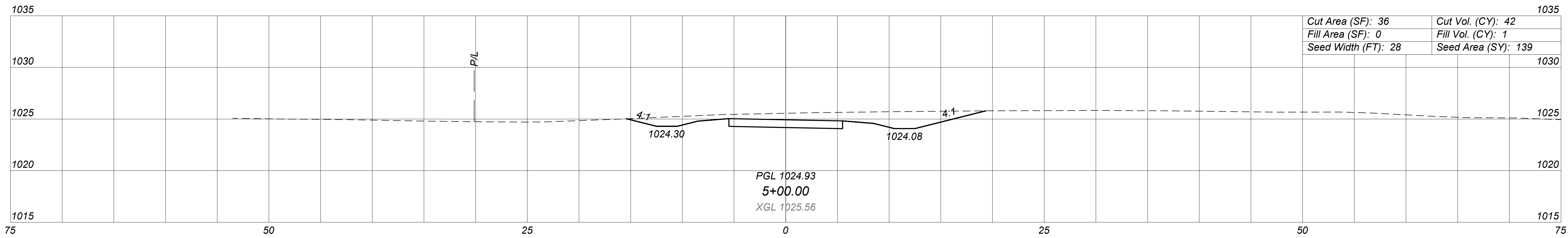
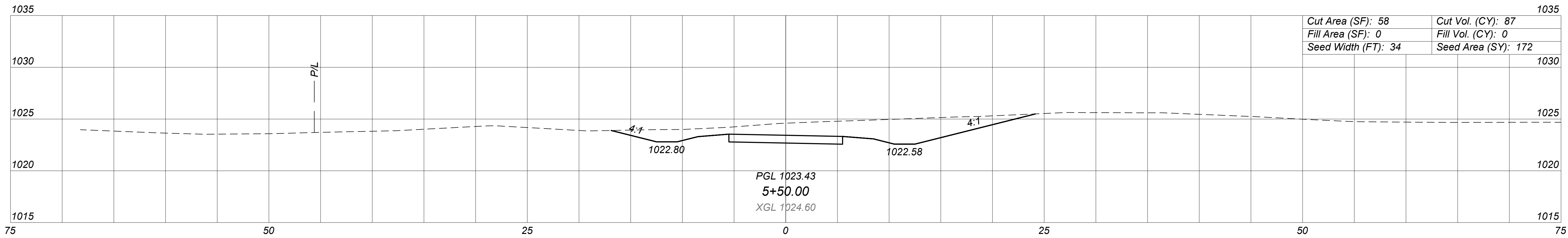
NES  
 PROJECT ID

761873  
 SHEET TOTAL

20 | 52

**LAKE MEDINA GREENWAY**

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**CROSS SECTIONS  
 STA. 4+50 TO STA. 5+50**

DESIGN AGENCY



**CESO**  
 WWW.CESOINC.COM

DESIGNER

REVIEWER

DESIGNER: CNK

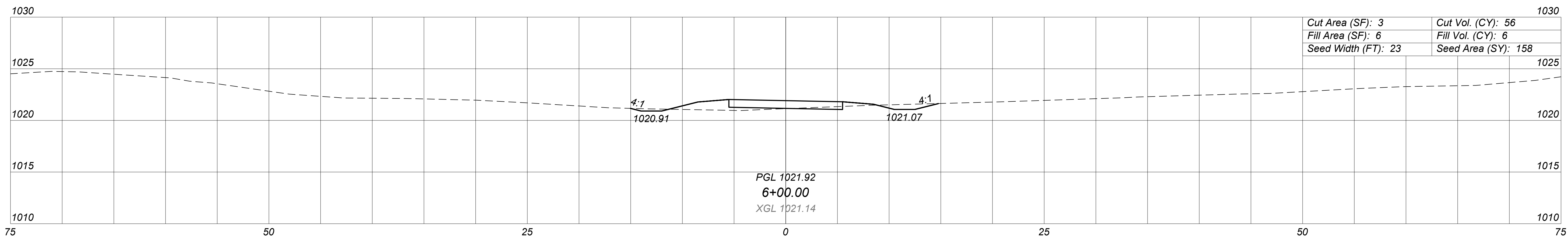
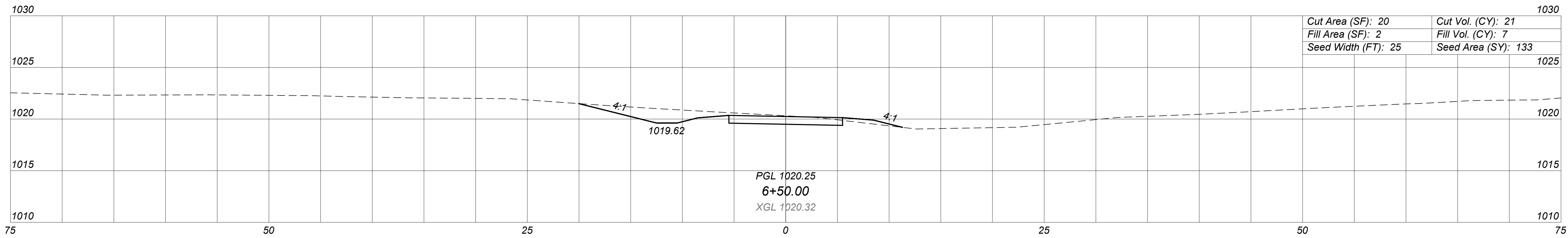
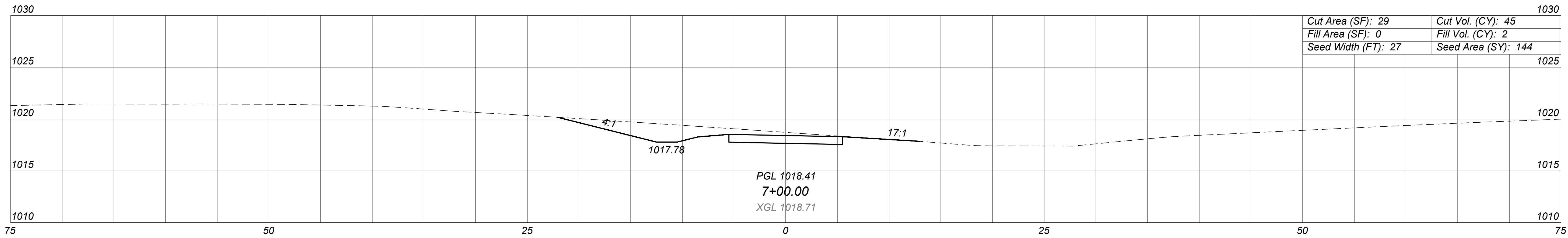
REVIEWER: NES

PROJECT ID: 761873

SHEET	TOTAL
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**LAKE MEDINA GREENWAY**

MODEL: STA. 6+00 TO STA. 7+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:35:49 PM USER: KC.KIRLANGITIS  
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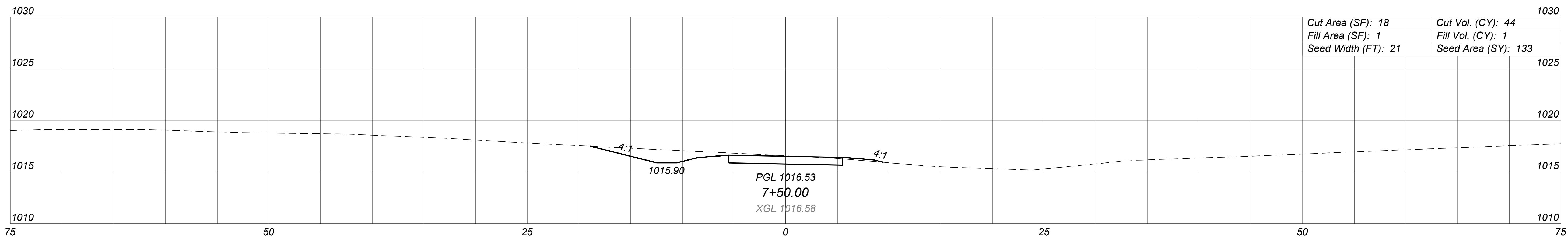
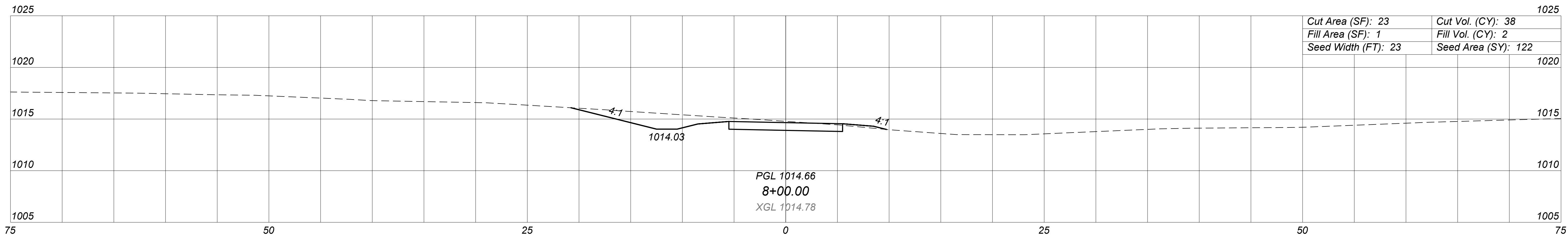
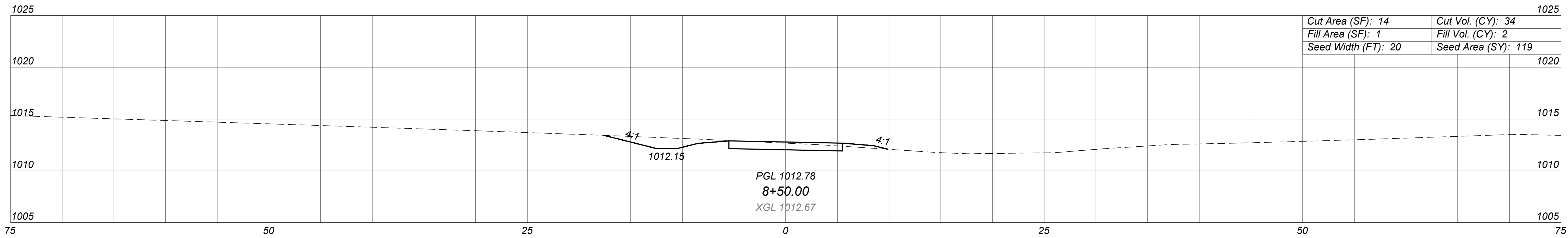


**CROSS SECTIONS  
 STA. 6+00 TO STA. 7+00**

DESIGN AGENCY  
  
**CESO**  
 WWW.CESOINC.COM  
 DESIGNER  
 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 22 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 7+50 TO STA. 8+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:35:59 PM USER: KC.KIRLANGITIS  
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**CROSS SECTIONS  
 STA. 7+50 TO STA. 8+50**

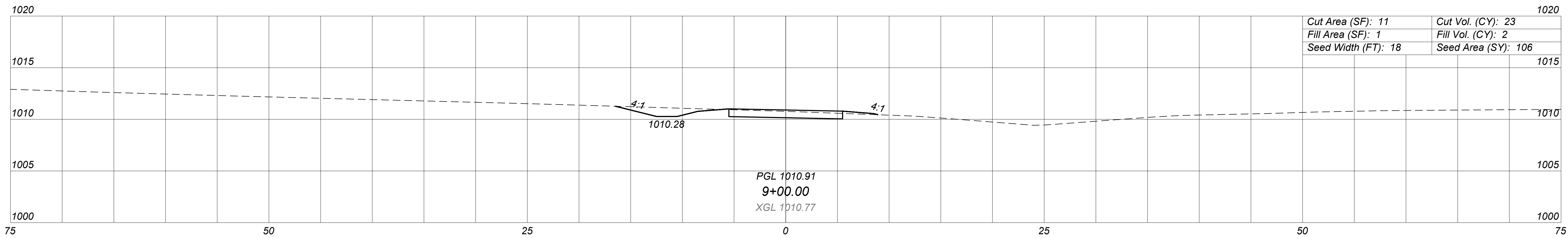
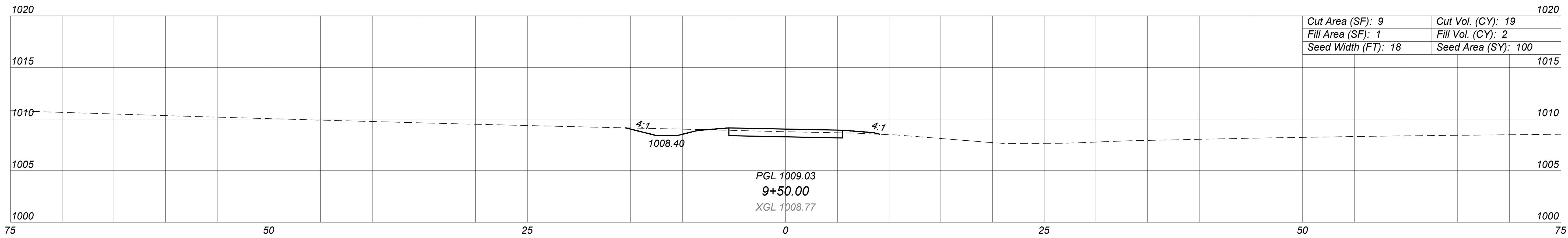
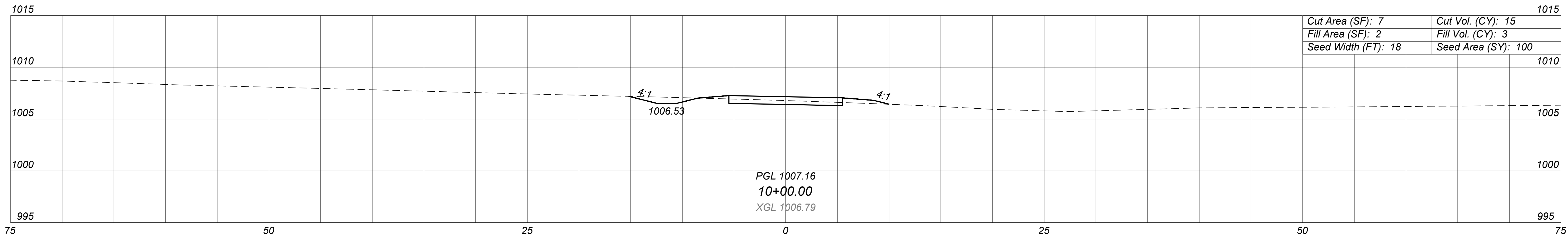
DESIGN AGENCY



DESIGNER	CNK
REVIEWER	NES
PROJECT ID	761873
SHEET TOTAL	23 / 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 9+00 TO STA. 10+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:36:11 PM USER: KC.KIRLANGITIS  
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**CROSS SECTIONS  
 STA. 9+00 TO STA. 10+00**

DESIGN AGENCY



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DESIGNER

REVIEWER

CNK  
 REVIEWER

NES  
 DESIGNER

PROJECT ID

761873

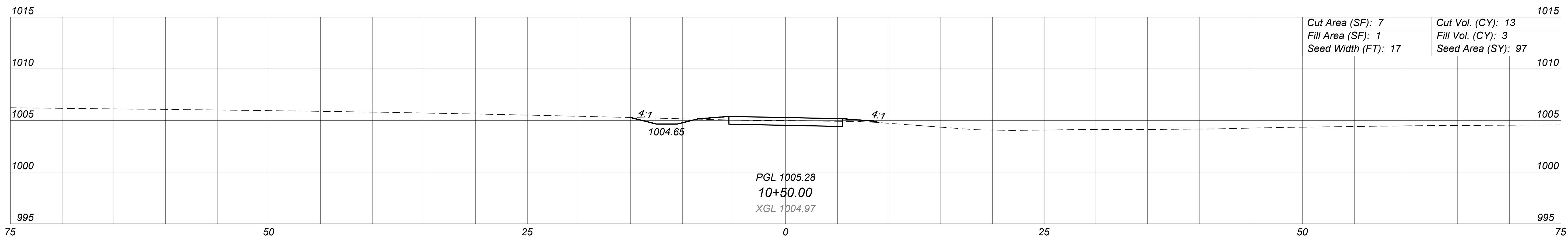
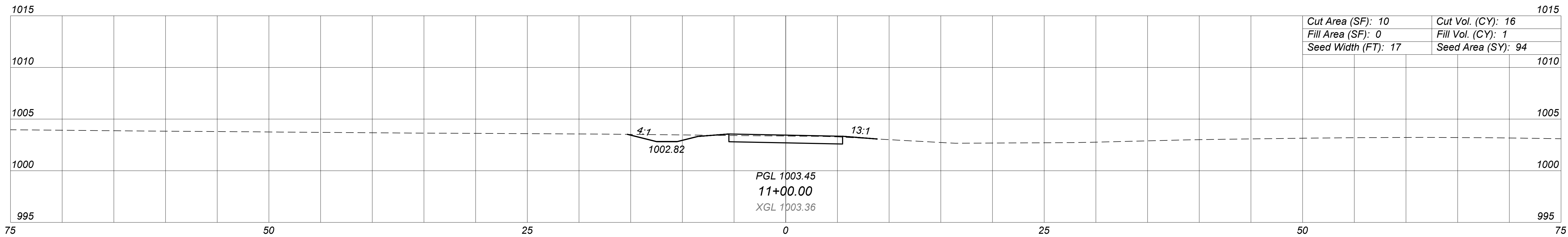
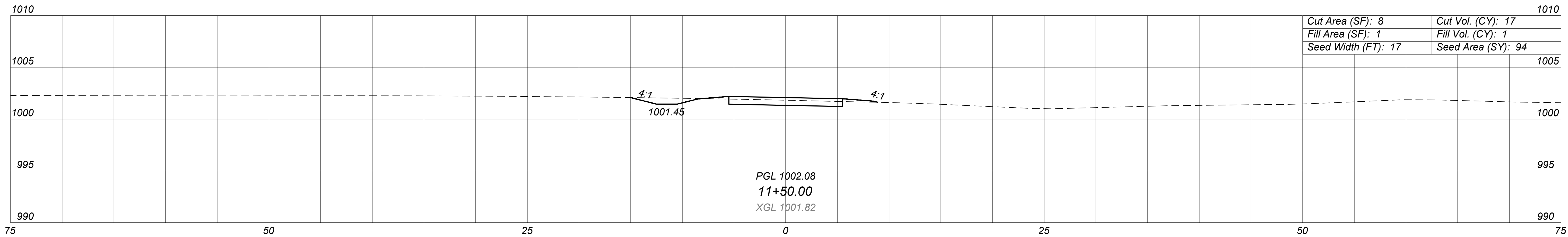
SHEET TOTAL

24	52
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**LAKE MEDINA GREENWAY**

MODEL: STA. 10+50 TO STA. 11+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:36:20 PM USER: KC.KIRLANGITIS  
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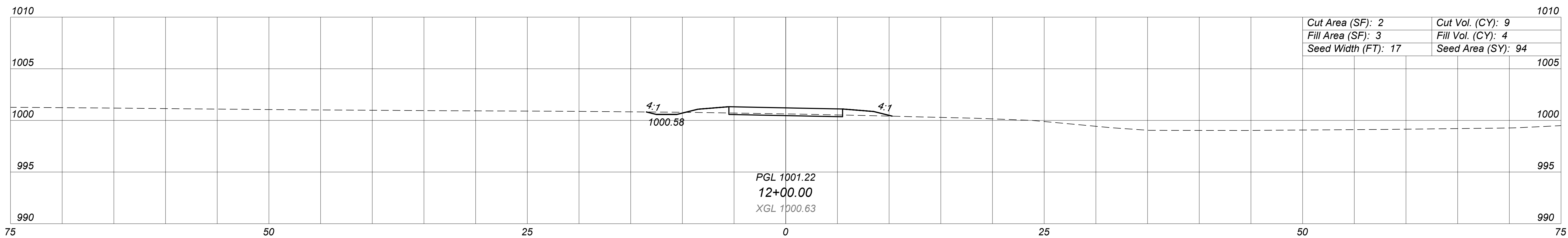
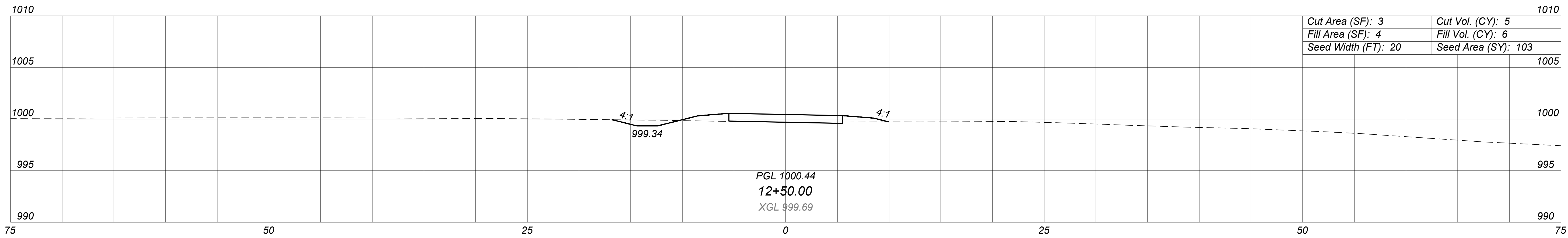
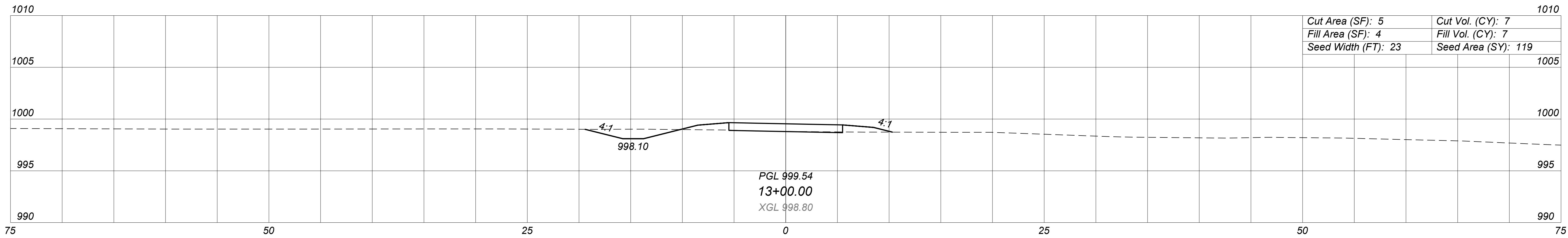


**CROSS SECTIONS  
STA. 10+50 TO STA. 11+50**

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**CESO**  
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CNK  
REVIEWER  
NES  
PROJECT ID  
761873  
SHEET TOTAL  
25 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 12+00 TO STA. 13+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:36:27 PM USER: KC.KIRLANGITIS  
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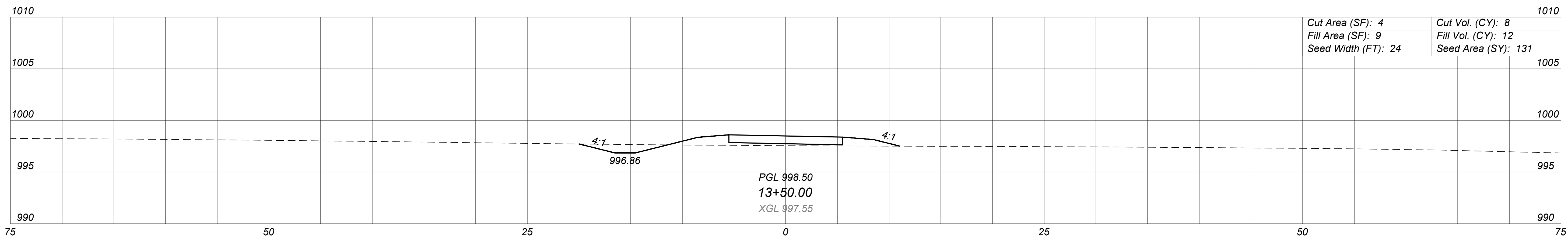
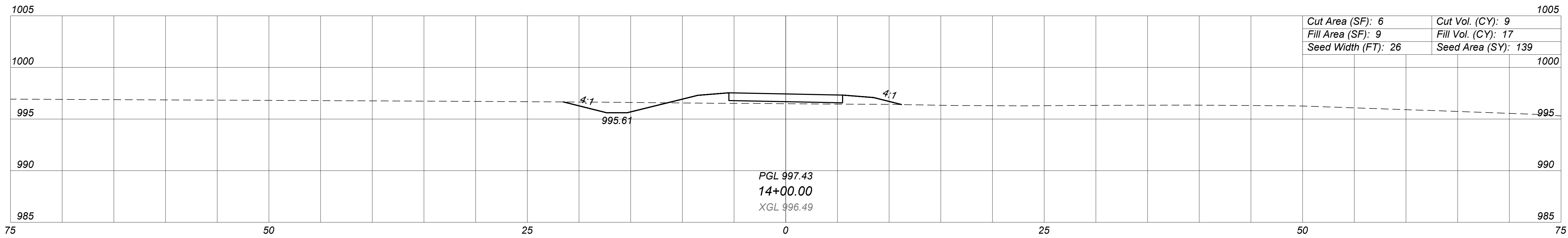
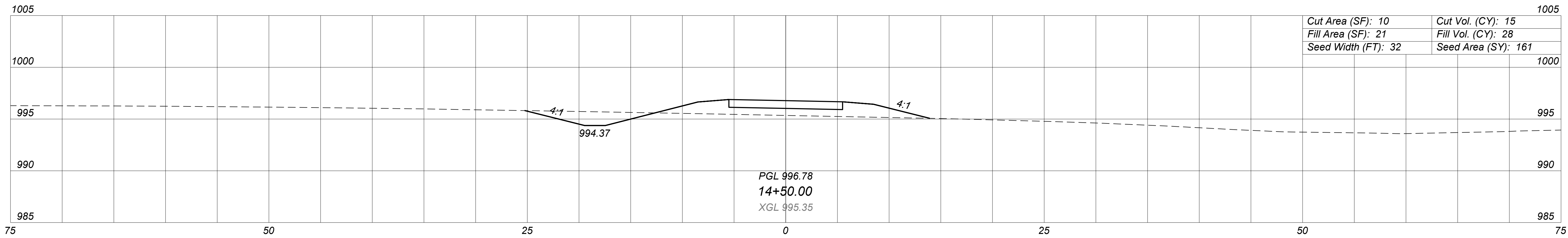


**CROSS SECTIONS  
 STA. 12+00 TO STA. 13+00**

DESIGN AGENCY  
  
**CESO**  
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 DESIGNER  
 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 26 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 13+50 TO STA. 14+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:36:35 PM USER: KC.KIRLANGITIS  
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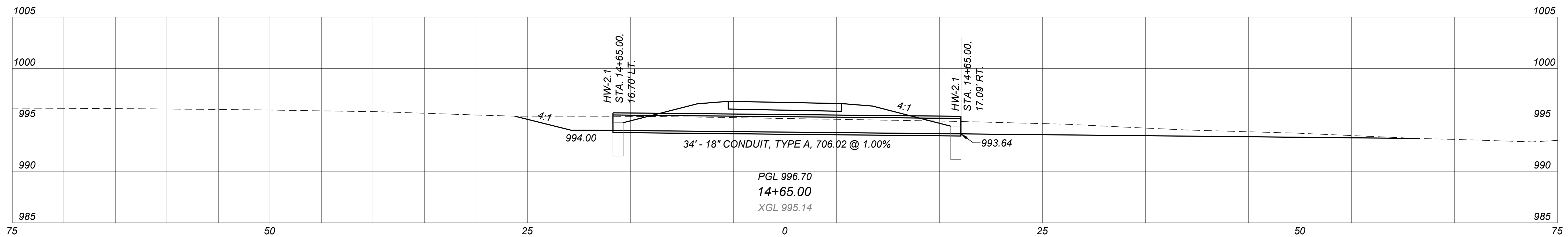
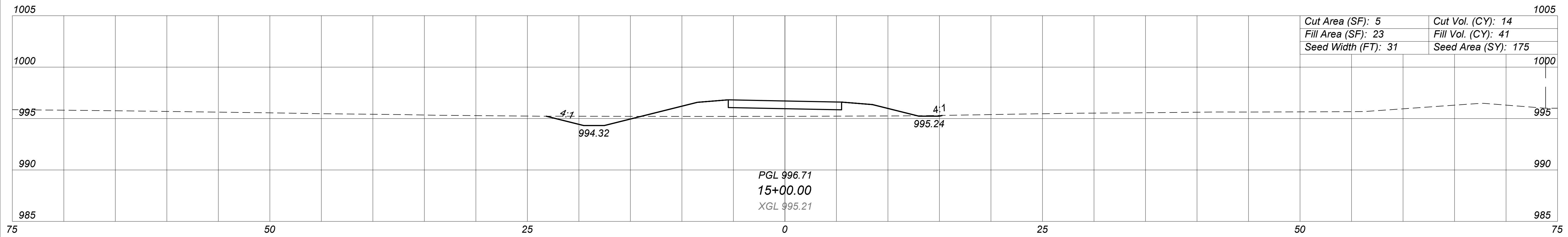
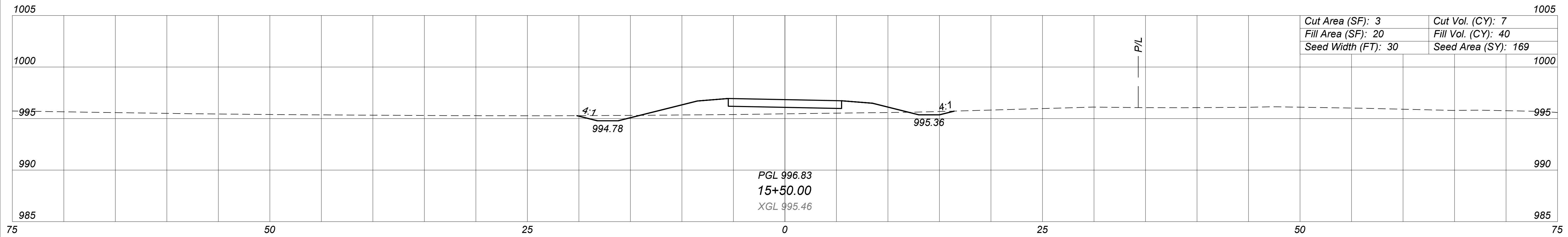
**CROSS SECTIONS  
STA. 13+50 TO STA. 14+50**



DESIGNER	CNK
REVIEWER	NES
PROJECT ID	761873
SHEET TOTAL	27 / 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 14+65 TO STA. 15+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:36:45 PM USER: KC.KIRLANGITIS  
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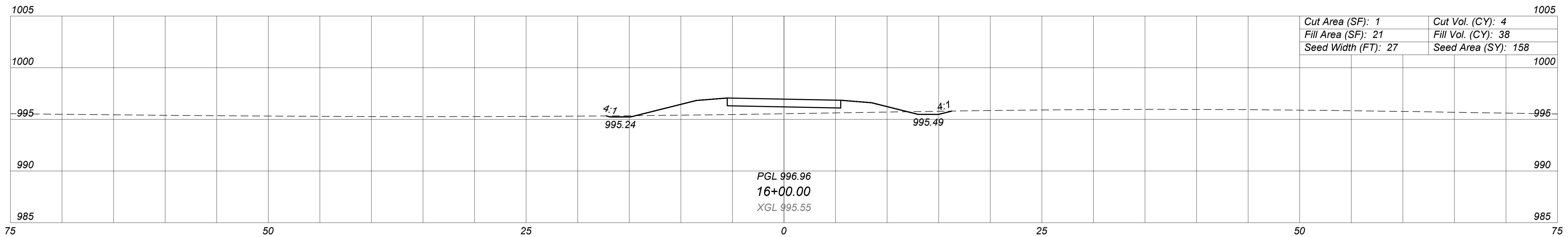
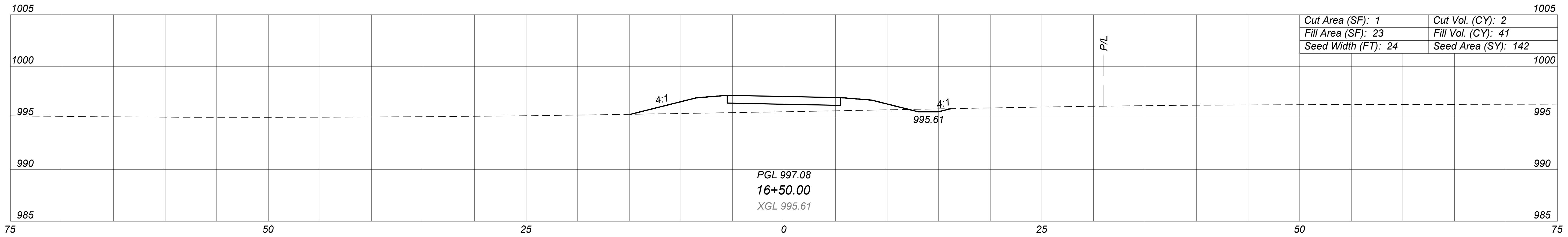
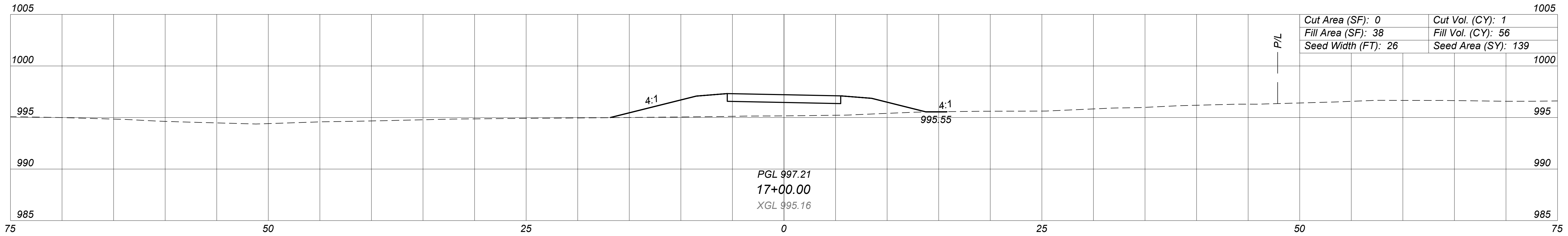


**CROSS SECTIONS  
 STA. 14+65 TO STA. 15+50**

DESIGN AGENCY



DESIGNER	CNK
REVIEWER	NES
PROJECT ID	761873
SHEET TOTAL	28 / 52



**CROSS SECTIONS  
 STA. 16+00 TO STA. 17+00**

DESIGN AGENCY



DESIGNER

CNK  
 REVIEWER

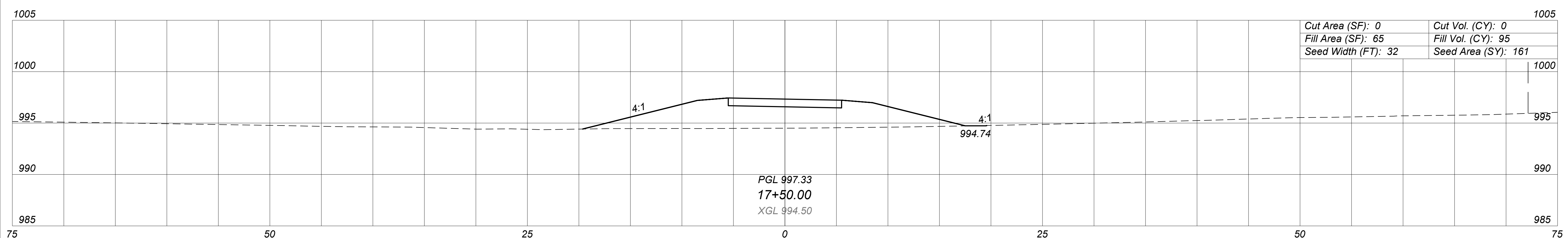
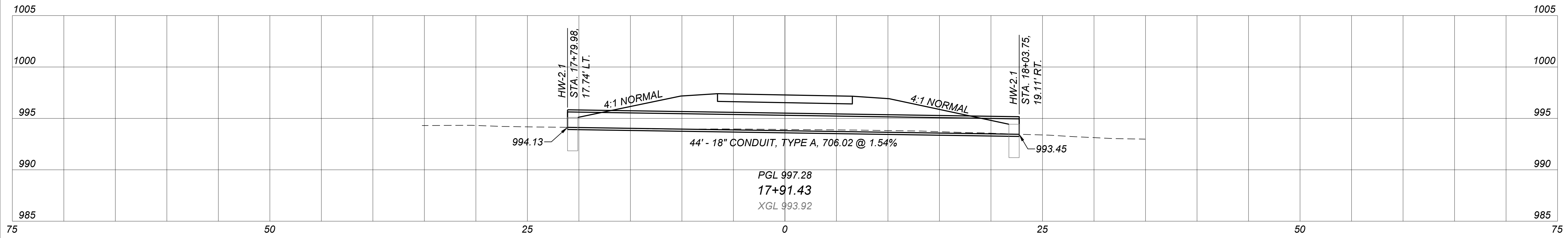
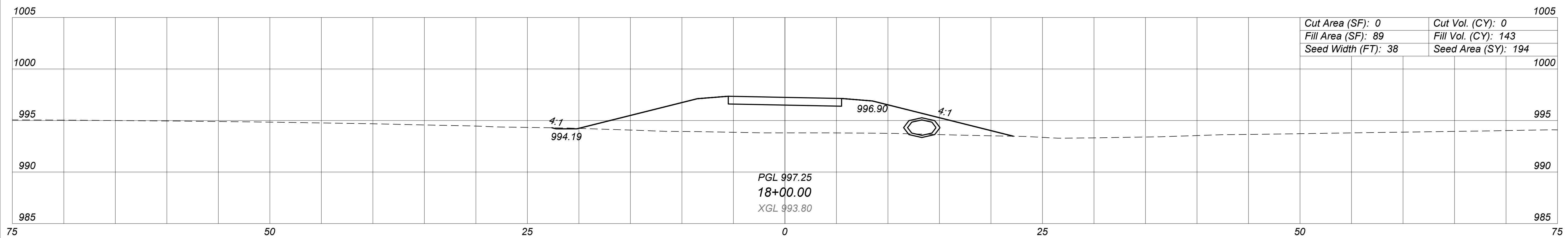
NES

PROJECT ID  
 761873

SHEET	TOTAL
29	52

**LAKE MEDINA GREENWAY**

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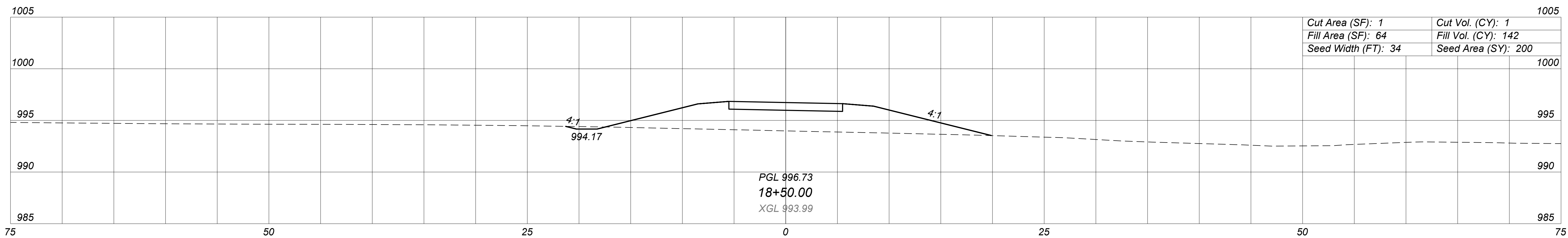
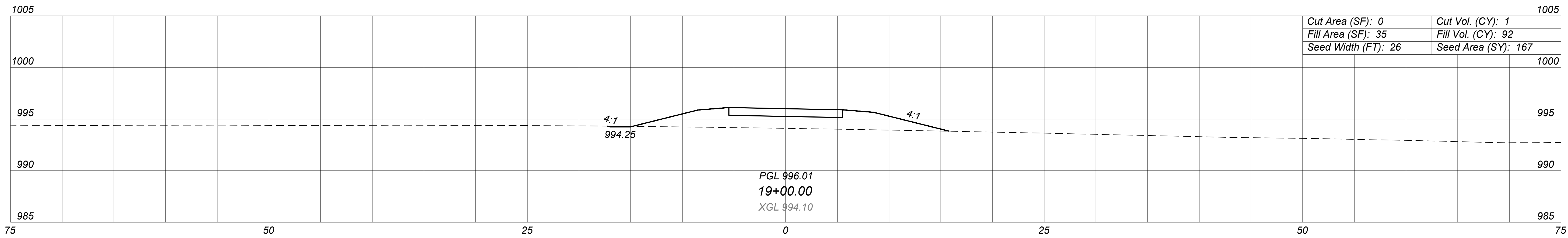
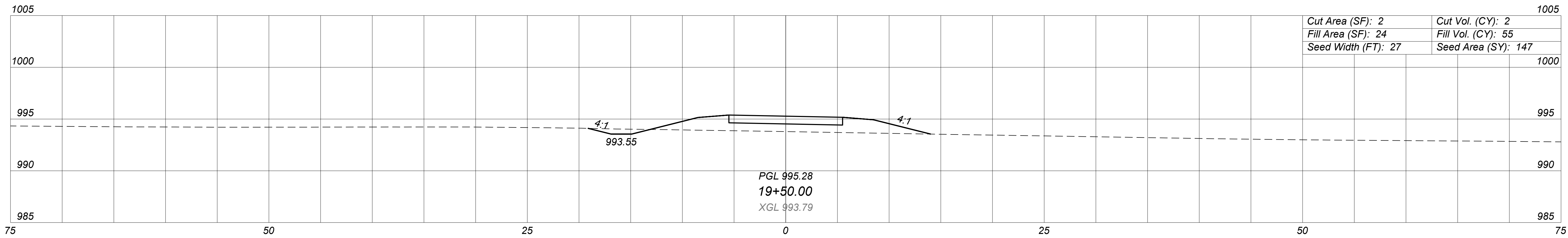


**CROSS SECTIONS  
 STA. 17+50 TO STA. 18+36.45**

DESIGN AGENCY  
  
**CESO**  
 WWW.CESOINC.COM  
 DESIGNER  
 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 37 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 18+50 TO STA. 19+50 PAPER SIZE: 34X22 (in.) DATE: 6/12/2024 TIME: 8:07:24 AM USER: KC.KIRLANGITIS  
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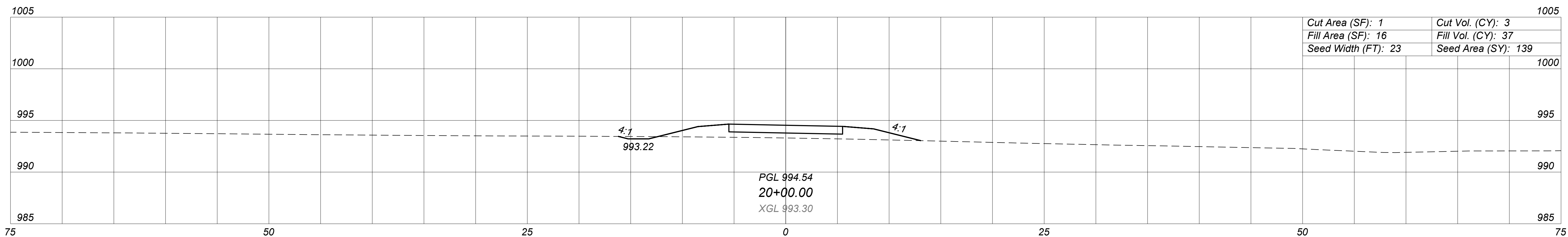
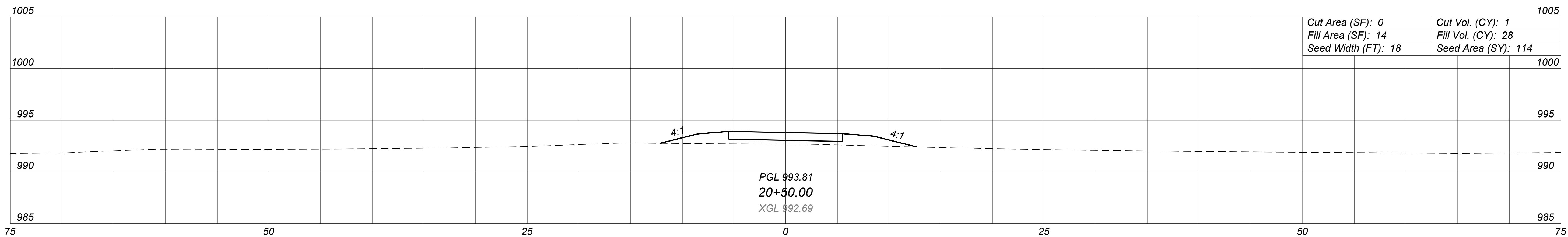
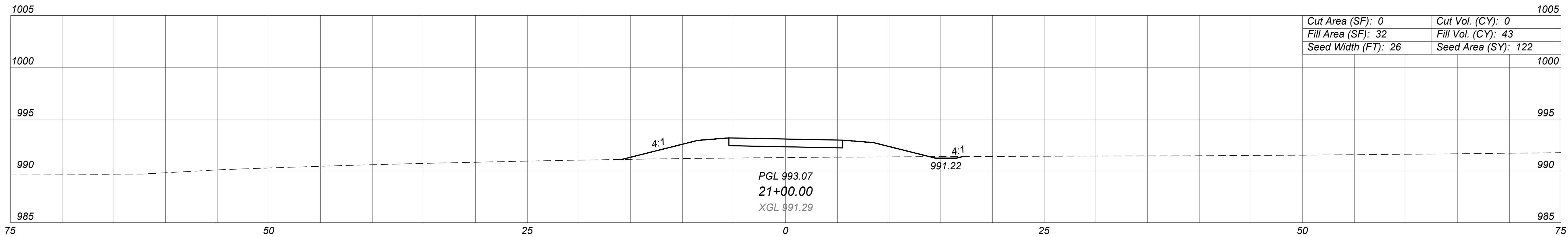


**CROSS SECTIONS  
 STA. 18+50 TO STA. 19+50**

DESIGN AGENCY  
  
**CESO**  
 WWW.CESOINC.COM  
 DESIGNER  
 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 31 52

**LAKE MEDINA GREENWAY**

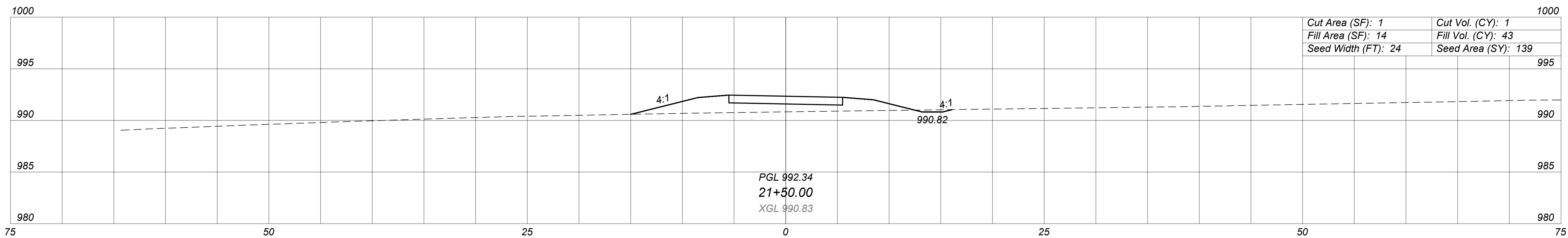
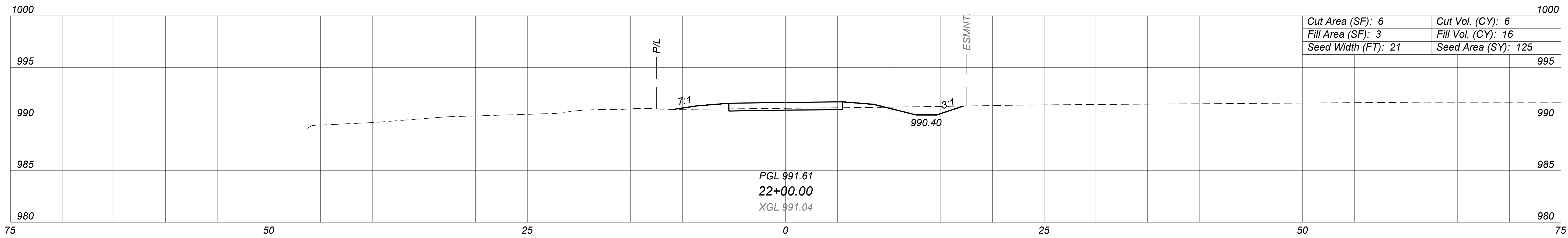
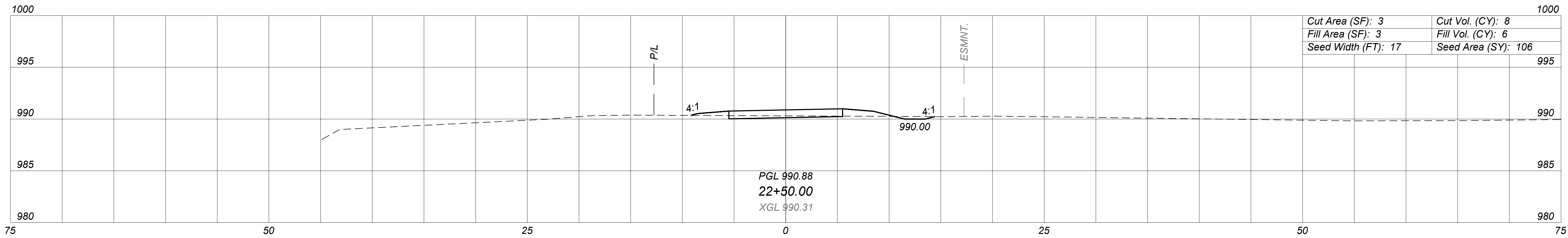
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**CROSS SECTIONS  
 STA. 20+00 TO STA. 21+00**

DESIGN AGENCY  
  
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 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 32 52





**CROSS SECTIONS  
 STA. 21+50 TO STA. 22+50**

DESIGN AGENCY



**CESO**  
 WWW.CESOINC.COM

DESIGNER

REVIEWER

DESIGNER

REVIEWER

PROJECT ID

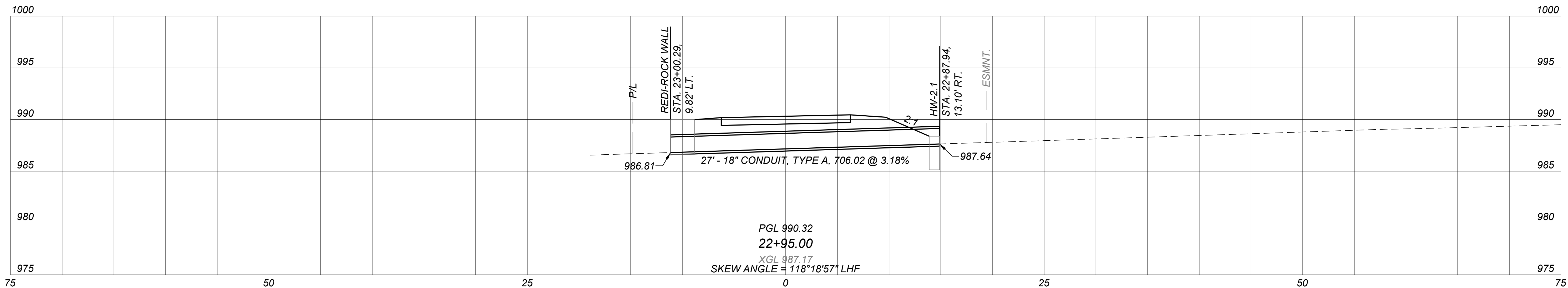
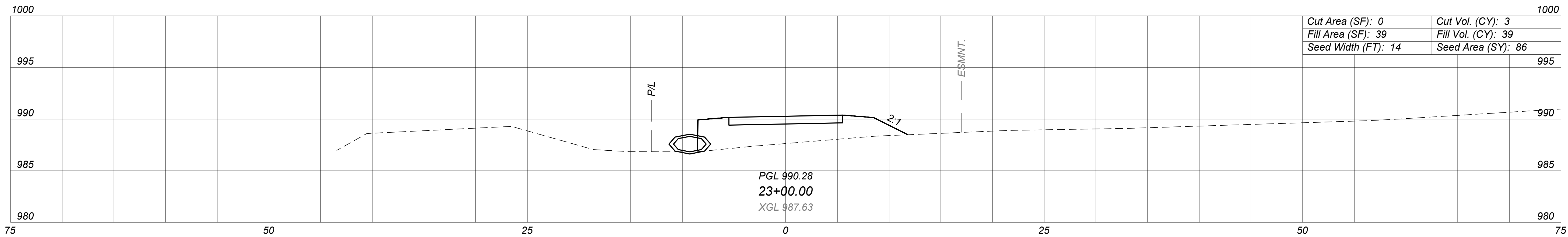
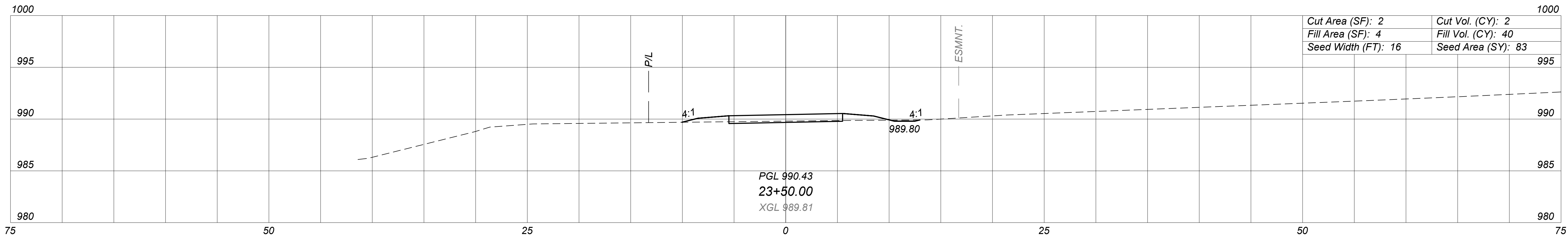
761873

SHEET TOTAL

33 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 22+95 TO STA. 23+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:37:41 PM USER: KC.KIRLANGITIS  
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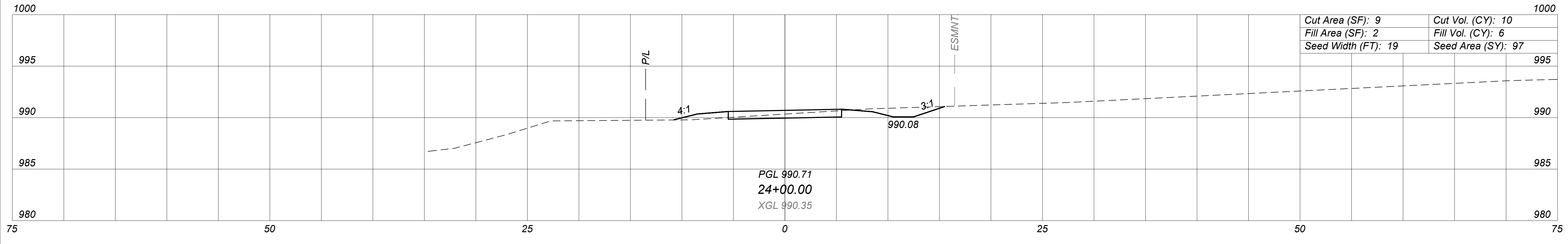
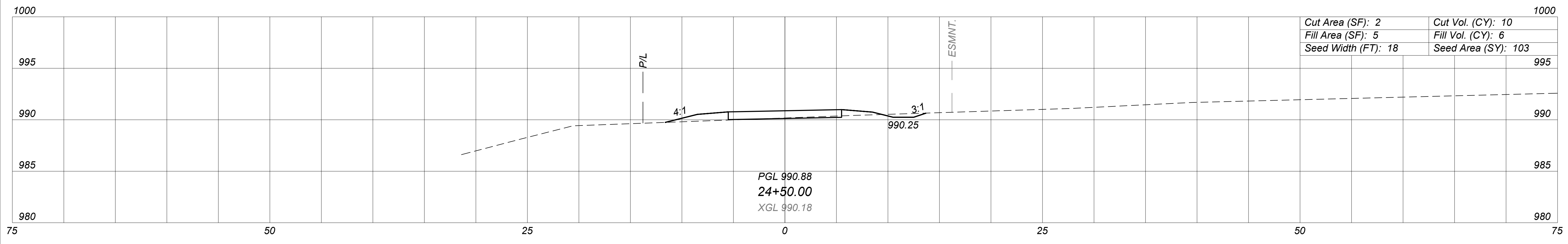
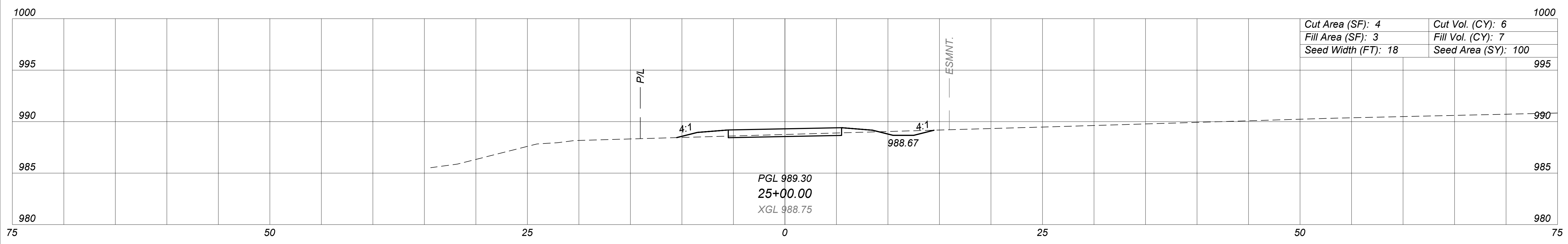


**CROSS SECTIONS  
 STA. 22+95 TO STA. 23+50**

DESIGN AGENCY  
  
**CESO**  
 WWW.CESOINC.COM  
 DESIGNER  
 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 34 | 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 24+00 TO STA. 25+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:37:49 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\_Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
 STA. 24+00 TO STA. 25+00**

DESIGN AGENCY



DESIGNER

CNK  
REVIEWER

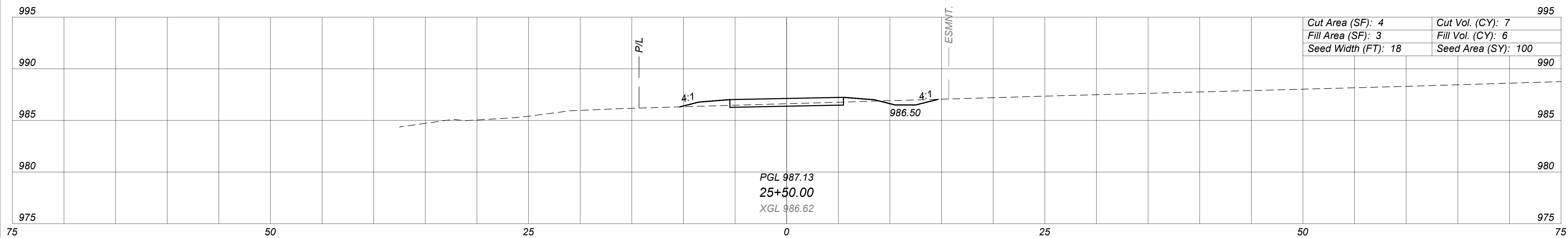
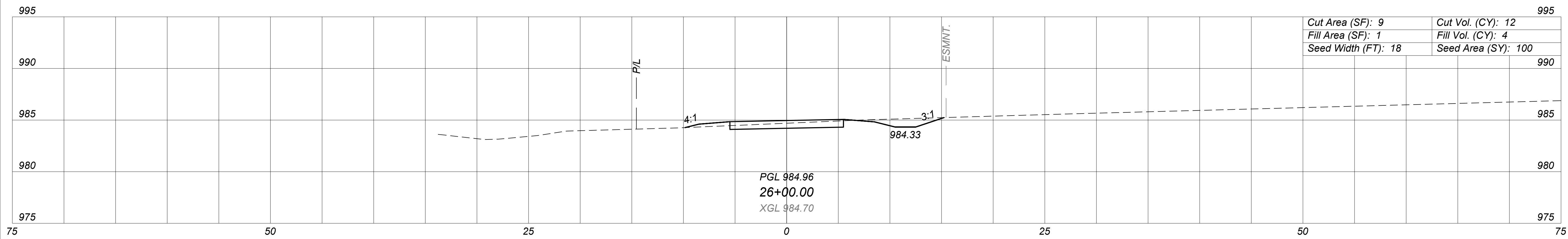
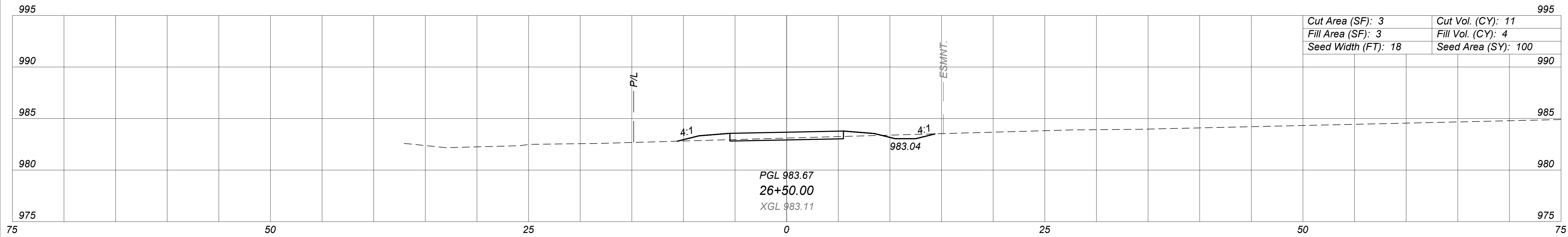
NES  
PROJECT ID

761873  
SHEET TOTAL

35 | 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 25+50 TO STA. 26+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:38:00 PM USER: KC.KIRLANGITIS  
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**CROSS SECTIONS  
 STA. 25+50 TO STA. 26+50**

DESIGN AGENCY



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DESIGNER

REVIEWER

DESIGNER

REVIEWER

PROJECT ID

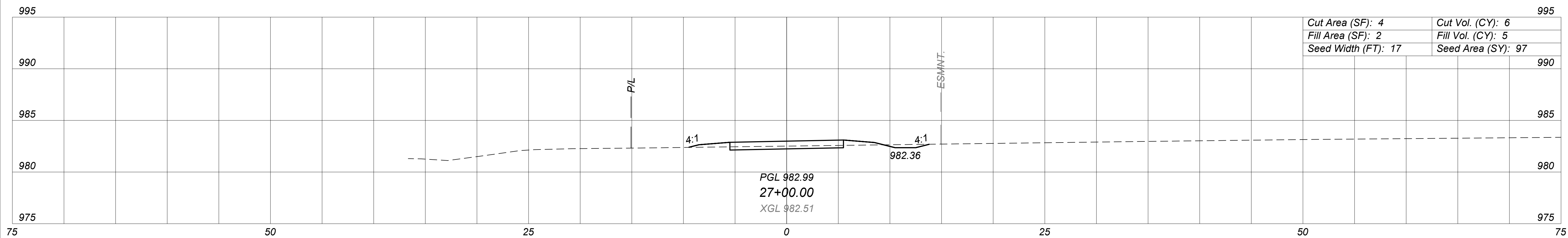
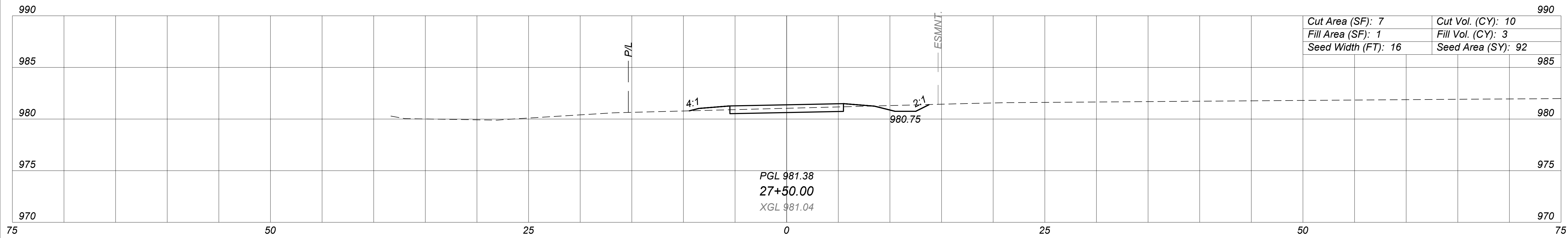
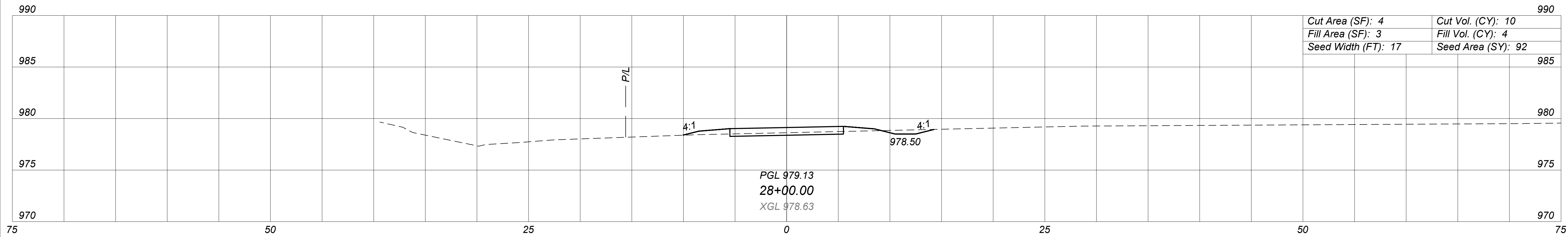
761873

SHEET TOTAL

36 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 27+00 TO STA. 28+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:38:11 PM USER: KC.KIRLANGITIS  
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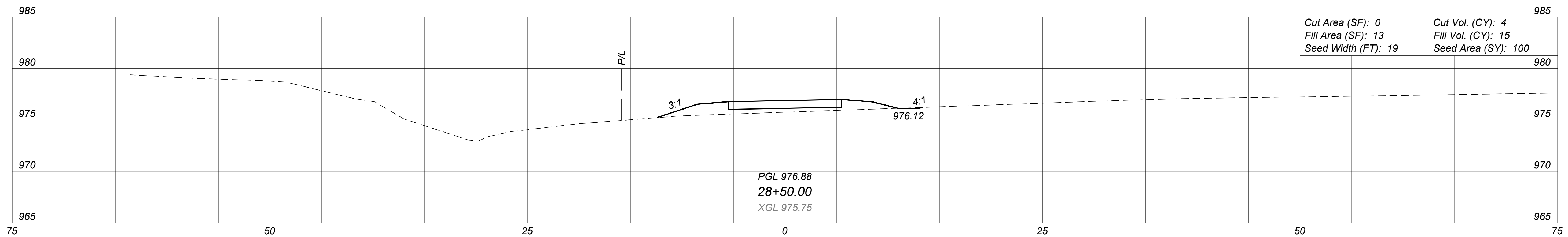
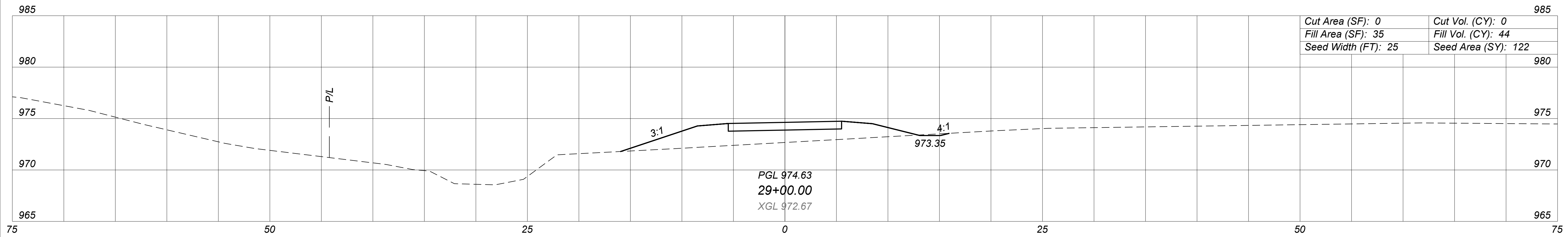
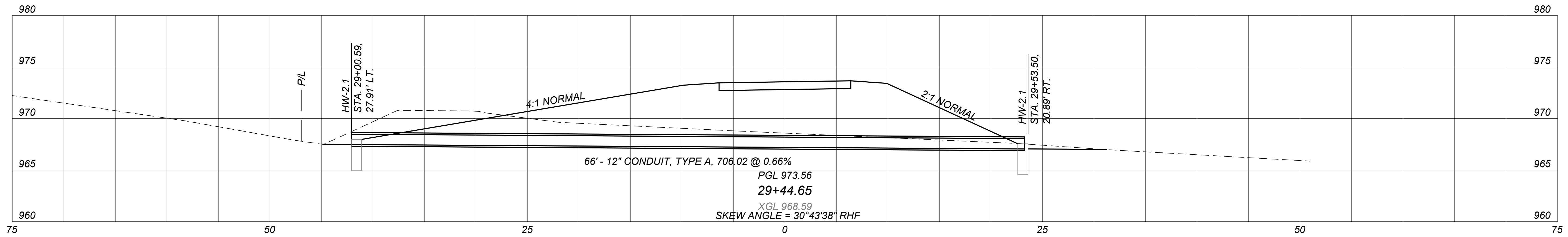


**CROSS SECTIONS  
 STA. 27+00 TO STA. 28+00**

DESIGN AGENCY  
  
**CESO**  
 WWW.CESOINC.COM  
 DESIGNER  
 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 37 52

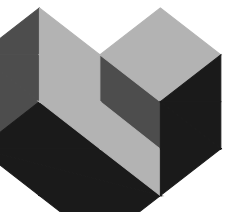
**LAKE MEDINA GREENWAY**

MODEL: STA. 28+50 TO STA. 29+44.65 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:38:22 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\_Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
 STA. 28+50 TO STA. 29+44.65**

DESIGN AGENCY



**CESO**  
 WWW.CESOINC.COM

DESIGNER

CNK  
 REVIEWER

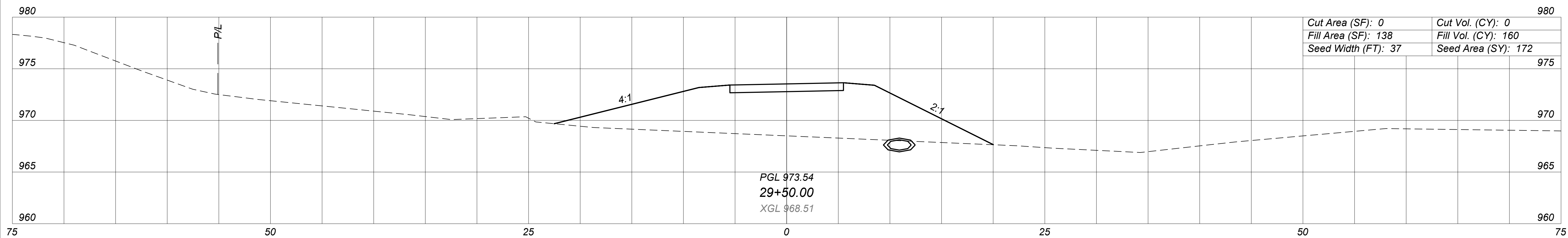
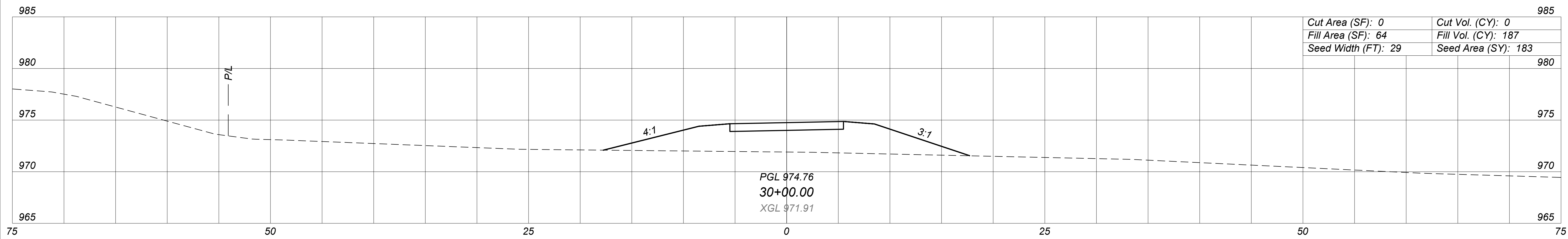
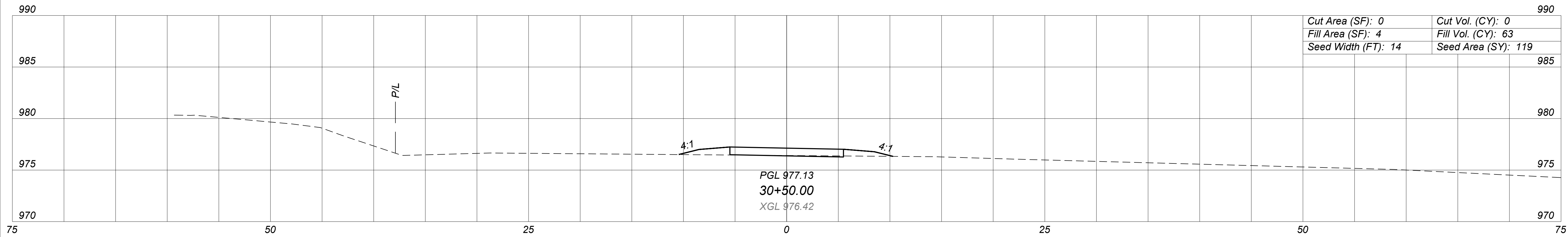
NES  
 PROJECT ID

761873  
 SHEET TOTAL

38 | 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 29+50 TO STA. 30+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:38:33 PM USER: KC.KIRLANGITIS  
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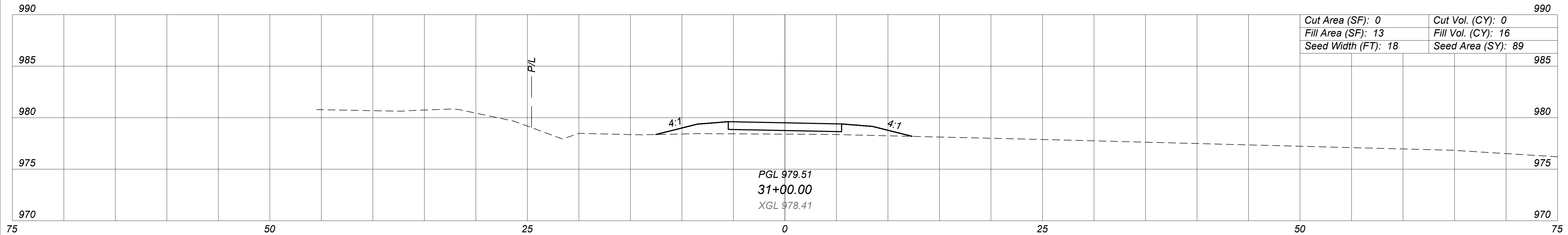
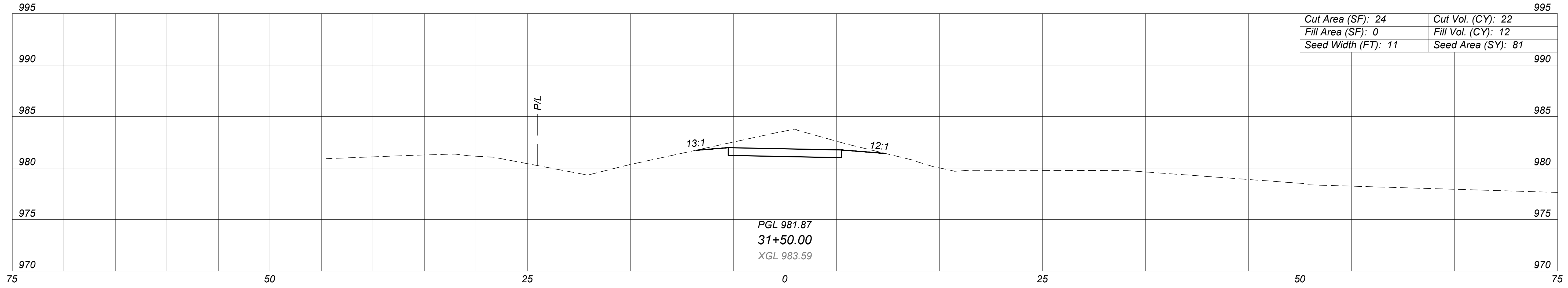
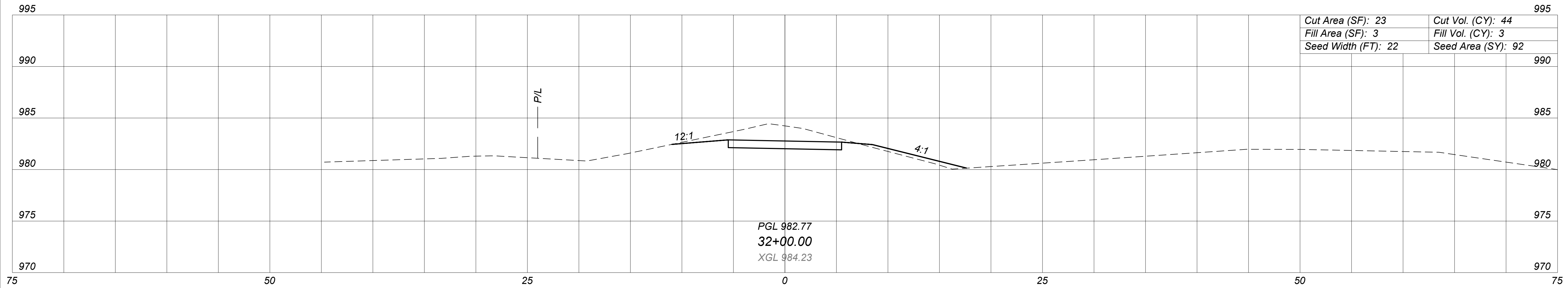


**CROSS SECTIONS  
 STA. 29+50 TO STA. 30+50**

DESIGN AGENCY  
  
**CESO**  
 WWW.CESOINC.COM  
 DESIGNER  
 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 39 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 31+00 TO STA. 32+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:38:41 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
 STA. 31+00 TO STA. 32+00**

DESIGN AGENCY



DESIGNER

CNK  
 REVIEWER

NES

PROJECT ID

761873

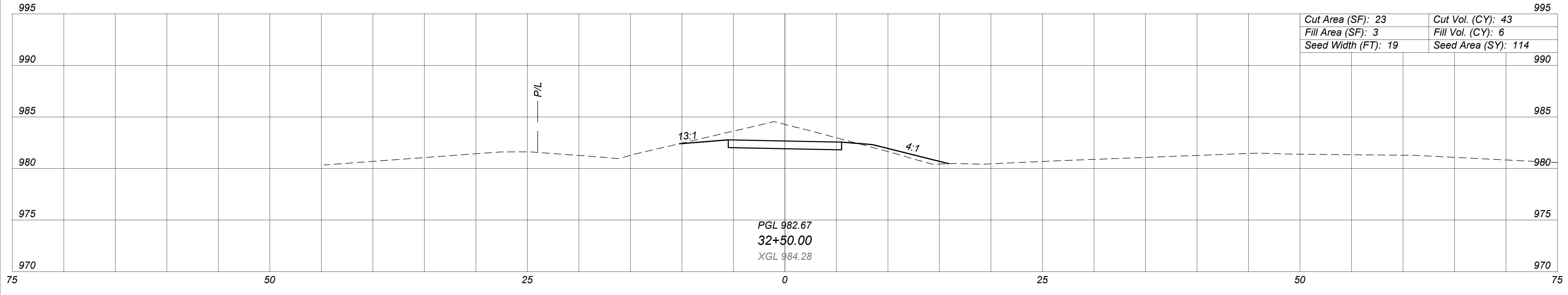
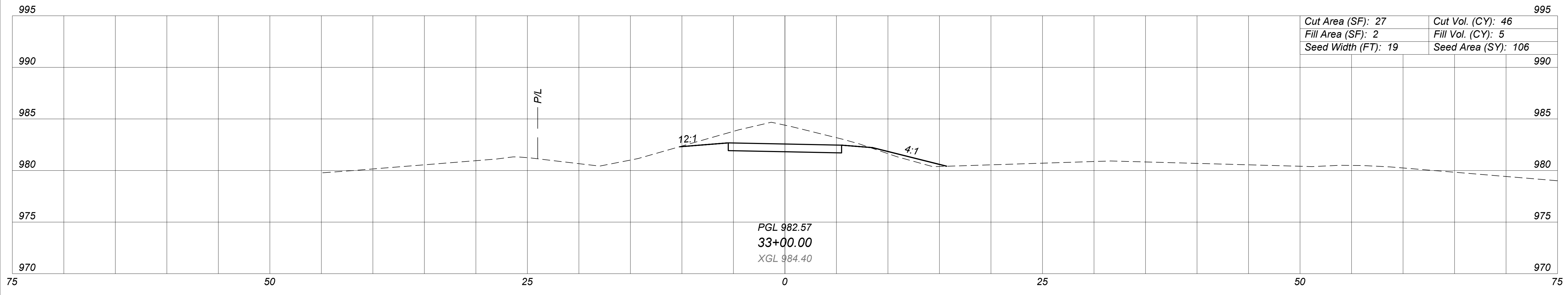
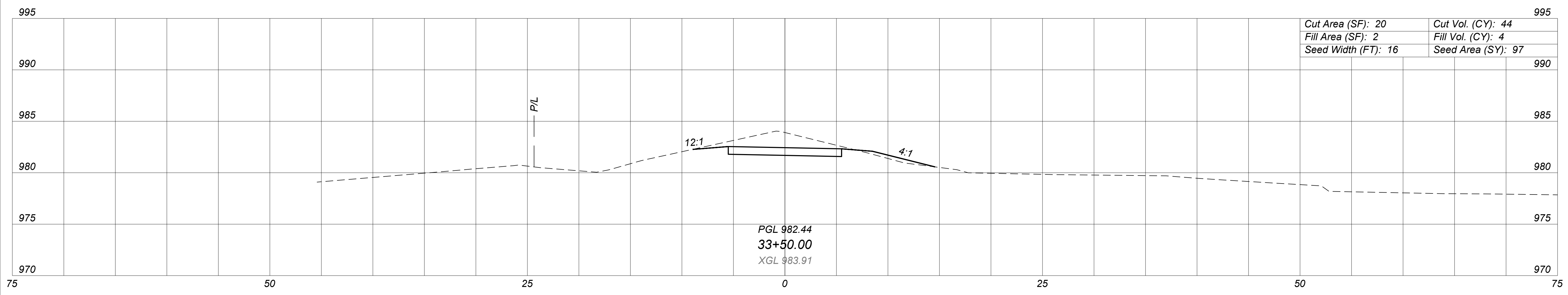
SHEET TOTAL

40 52



**LAKE MEDINA GREENWAY**

MODEL: STA. 32+50 TO STA. 33+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:38:49 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
 STA. 32+50 TO STA. 33+50**

DESIGN AGENCY



DESIGNER

CNK  
 REVIEWER

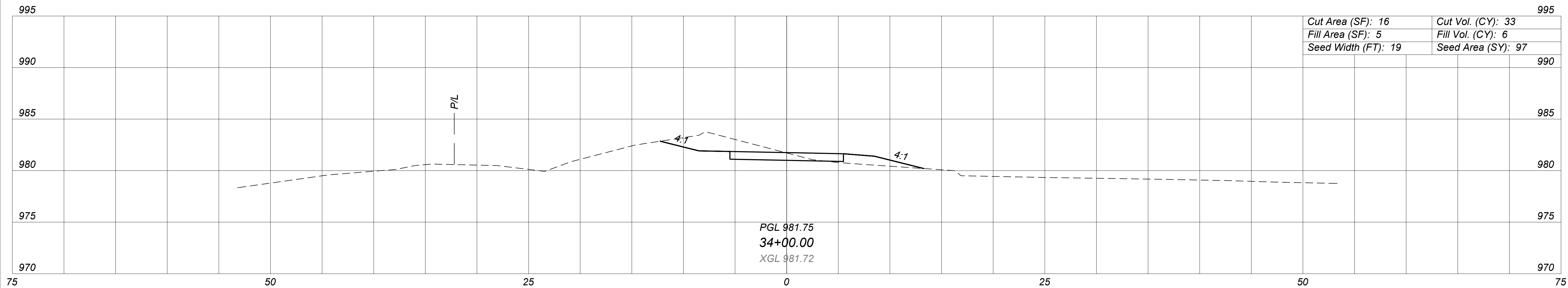
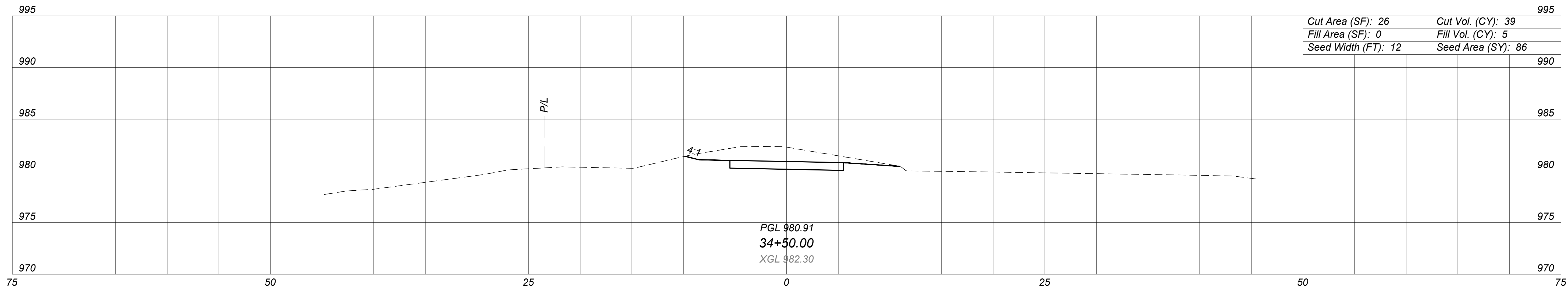
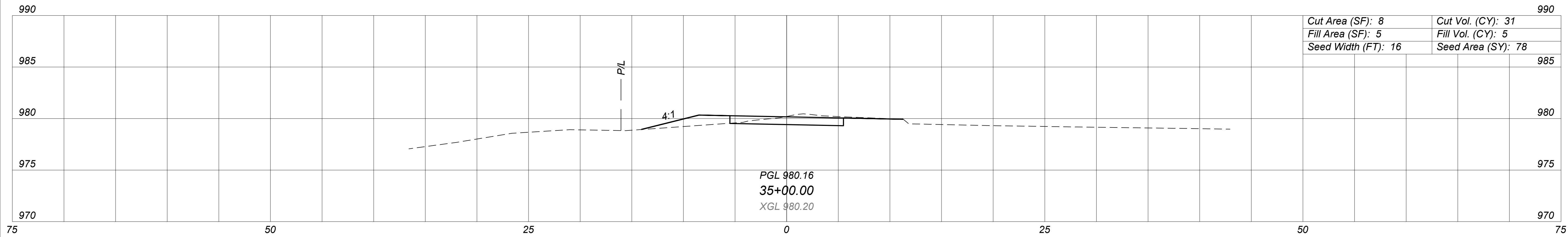
NES  
 PROJECT ID

761873  
 SHEET TOTAL

41 | 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 34+00 TO STA. 35+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:38:58 PM USER: KC.KIRLANGITIS  
W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\_Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
STA. 34+00 TO STA. 35+00**

DESIGN AGENCY



**CESO**  
WWW.CESOINC.COM

DESIGNER

CNK  
REVIEWER

NES

PROJECT ID

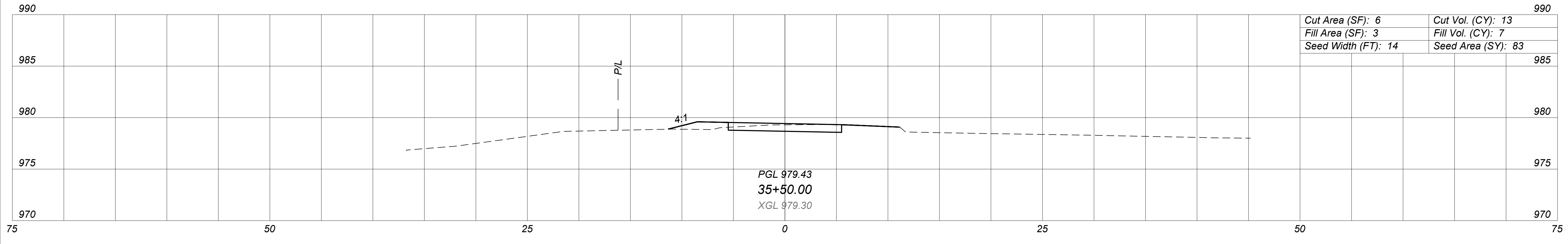
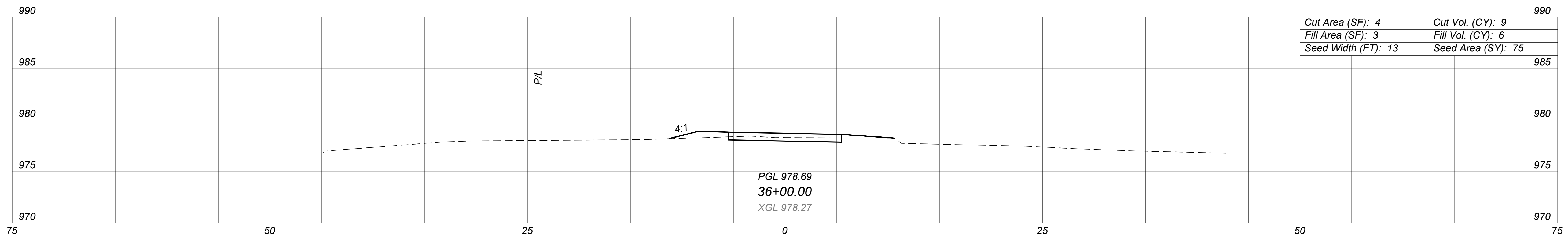
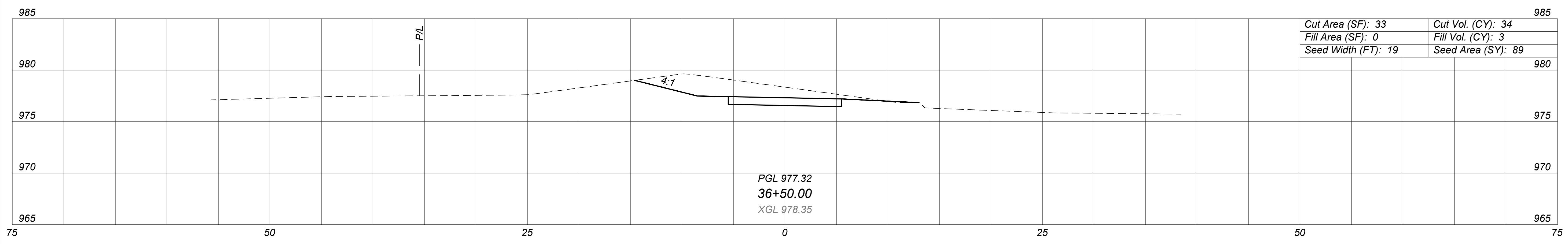
761873

SHEET TOTAL

42 | 52

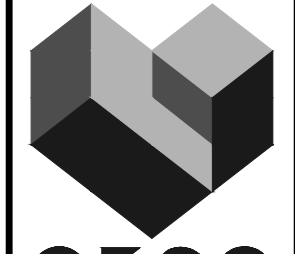
**LAKE MEDINA GREENWAY**

MODEL: STA. 35+50 TO STA. 36+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:39:09 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\_Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
 STA. 35+50 TO STA. 36+50**

DESIGN AGENCY



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DESIGNER

CNK  
 REVIEWER

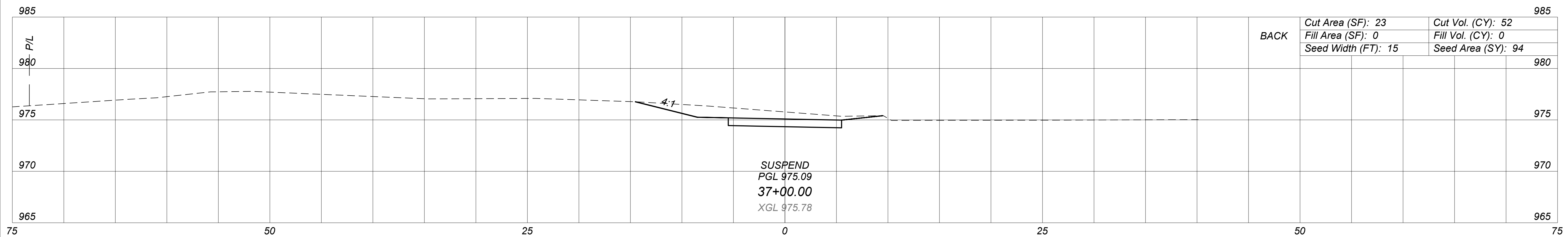
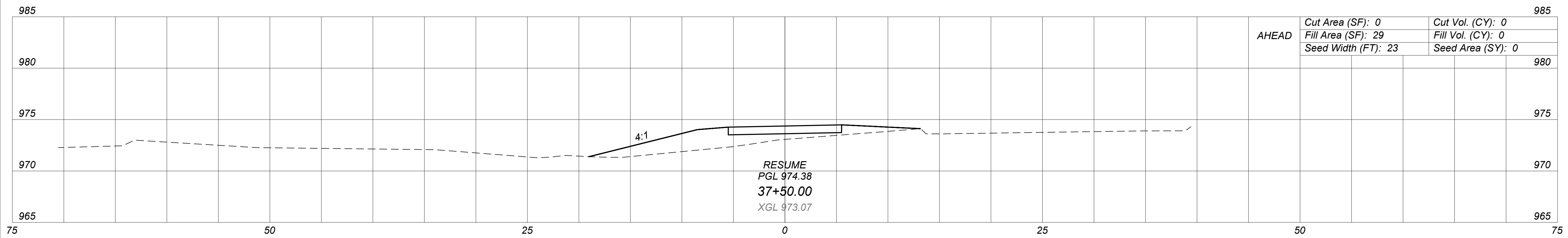
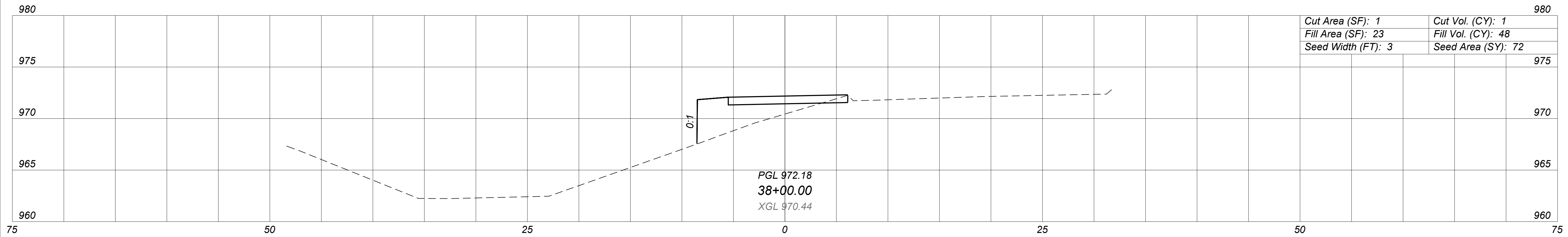
NES  
 PROJECT ID

761873  
 SHEET TOTAL

43 | 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 37+00 TO STA. 38+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:39:19 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
 STA. 37+00 TO STA. 38+00**

DESIGN AGENCY



DESIGNER

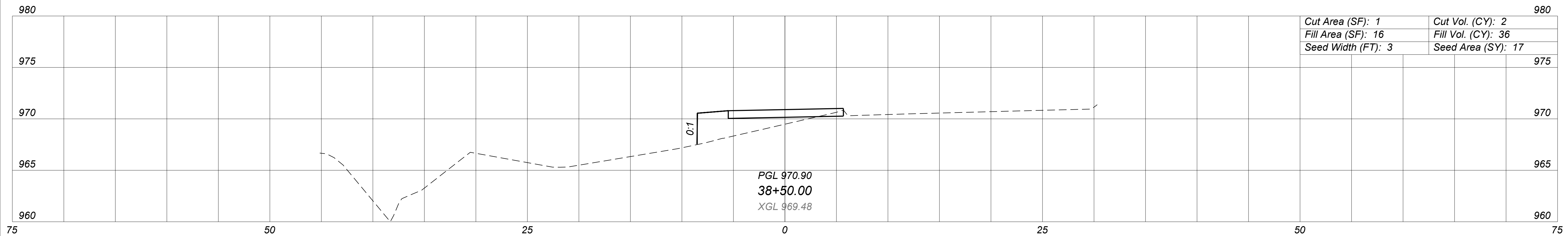
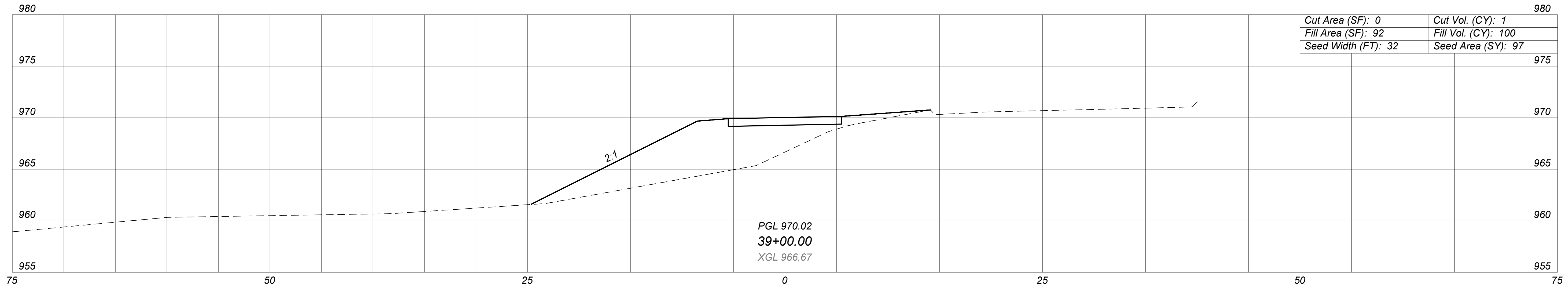
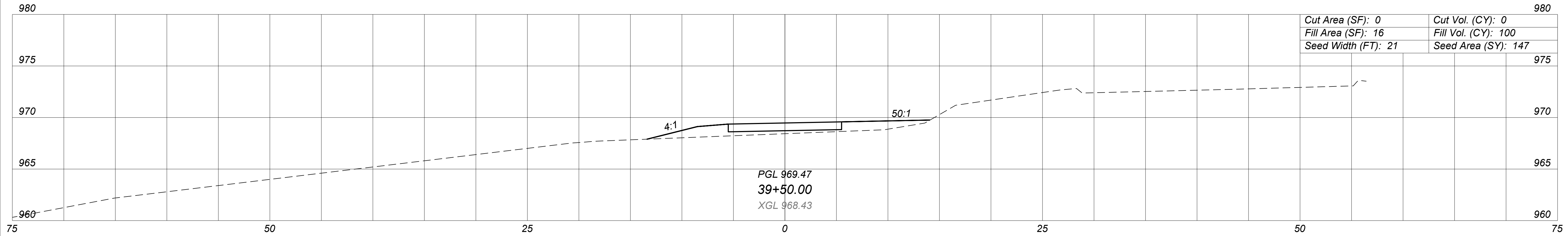
DESIGNER  
 CNK  
 REVIEWER

DESIGNER  
 NES

PROJECT ID  
 761873

SHEET TOTAL

44 52



CROSS SECTIONS  
STA. 38+50 TO STA. 39+50

DESIGN AGENCY



DESIGNER

CNK  
REVIEWER

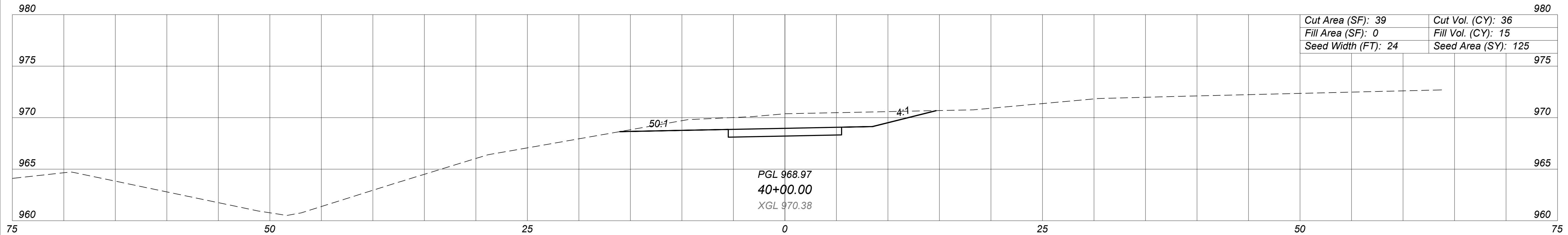
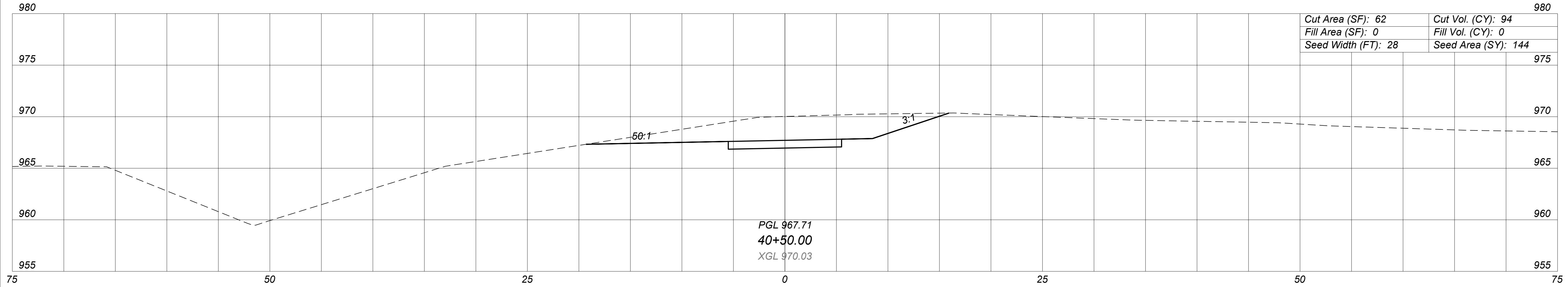
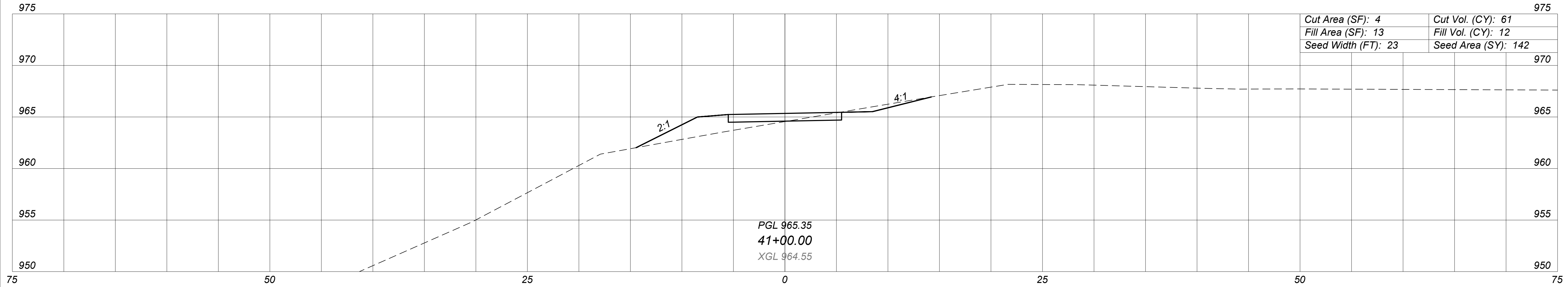
NES

PROJECT ID  
761873

SHEET TOTAL  
45 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 40+00 TO STA. 41+00 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:39:41 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
 STA. 40+00 TO STA. 41+00**

DESIGN AGENCY



DESIGNER

CNK  
 REVIEWER

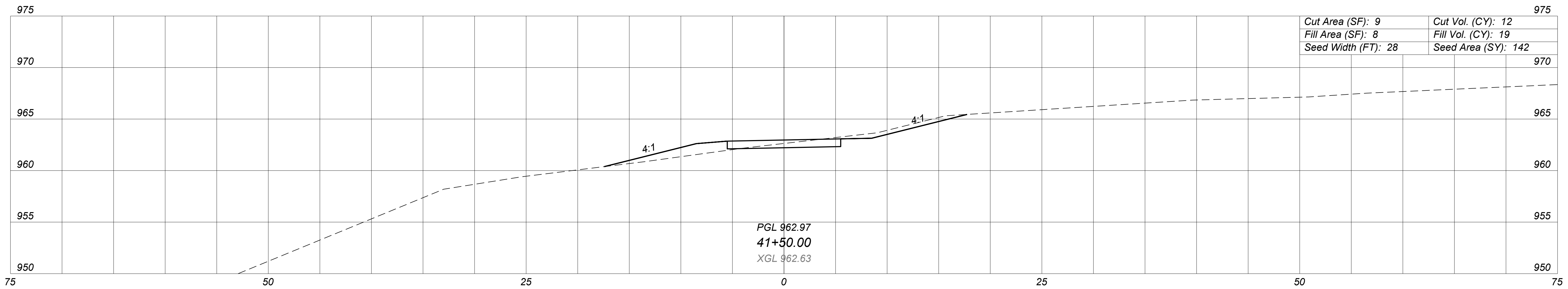
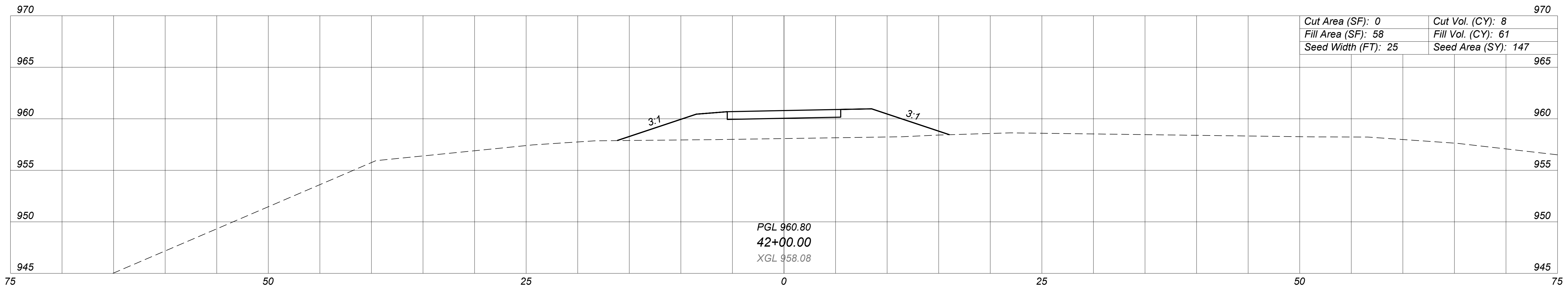
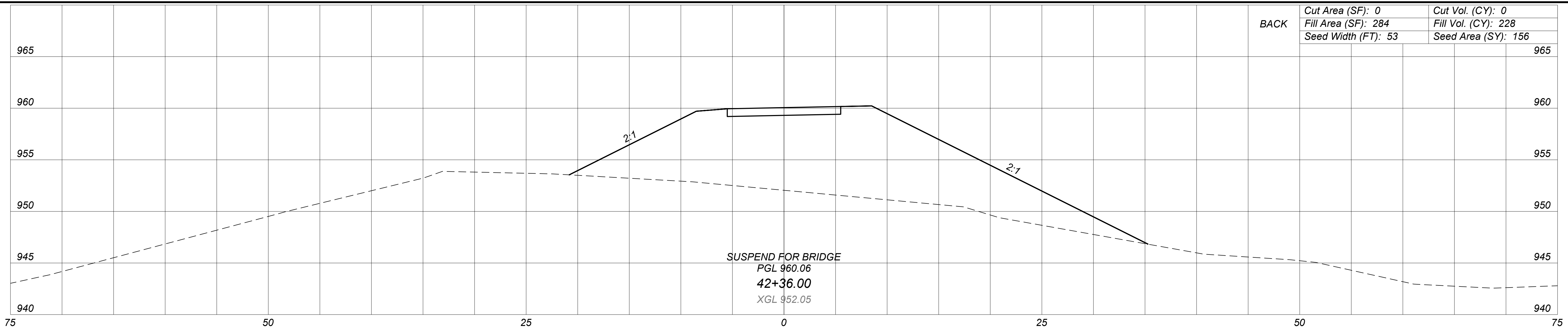
NES  
 PROJECT ID

761873  
 SHEET TOTAL

46 | 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 41+50 TO STA. 42+36 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:39:49 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
 STA. 41+50 TO STA. 42+36**

DESIGN AGENCY



DESIGNER

CNK  
 REVIEWER

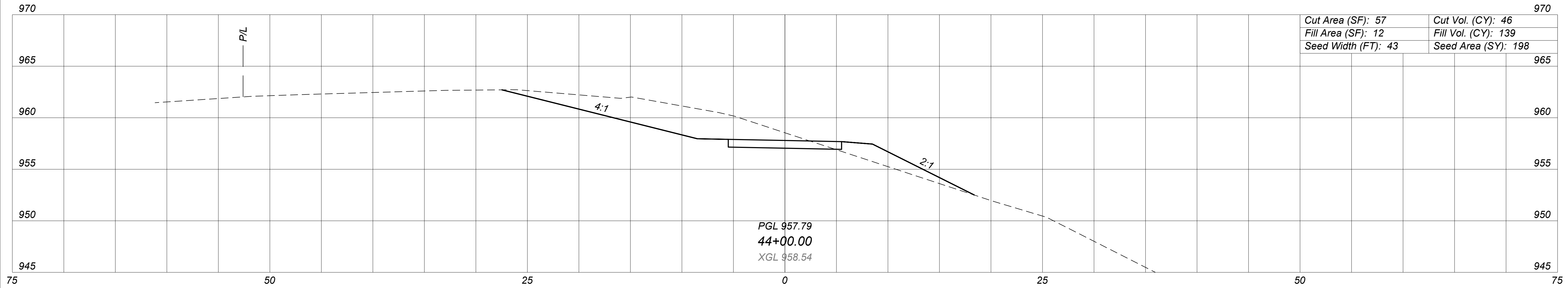
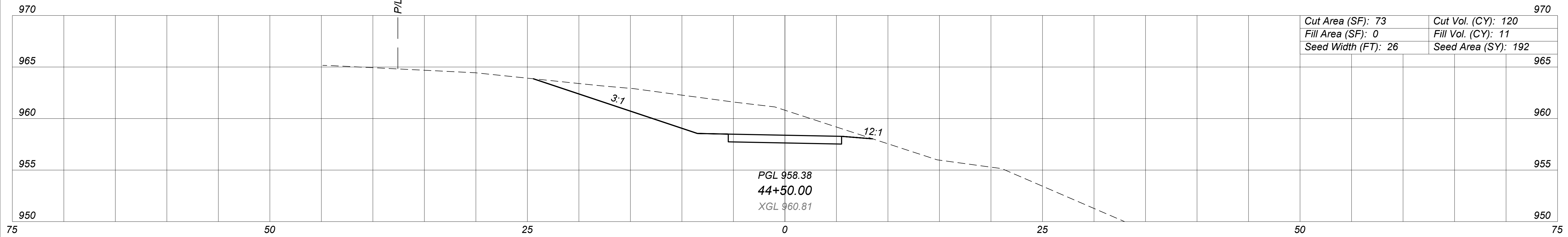
NES  
 PROJECT ID

761873  
 SHEET TOTAL

47 | 52

**LAKE MEDINA GREENWAY**

MODEL: STA. 43+56 TO STA. 44+50 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:39:57 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Civil3d Data Surfaces\761873\_KM001.dwg



**CROSS SECTIONS  
 STA. 43+56 TO STA. 44+50**

DESIGN AGENCY



DESIGNER

CNK  
 REVIEWER

NES  
 PROJECT ID

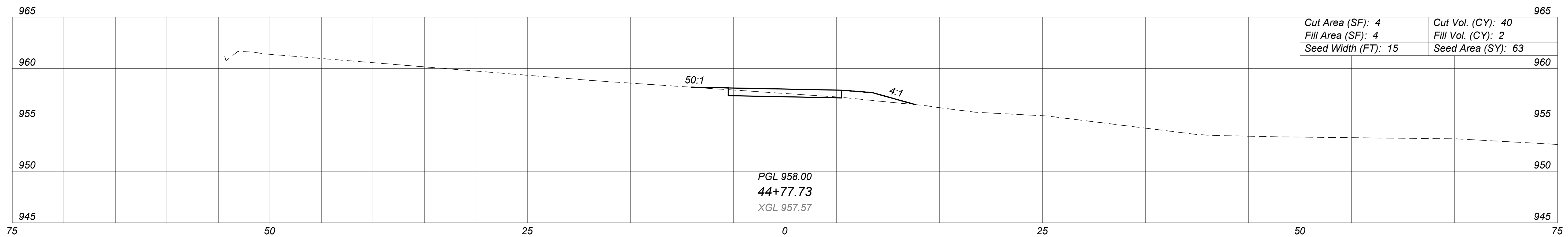
761873  
 SHEET TOTAL

48 | 52



**LAKE MEDINA GREENWAY**

MODEL: STA. 44+77.73 PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:40:08 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Civil3d Data Surfaces\761873\_KM001.dwg



PGL 958.00  
 44+77.73  
 XGL 957.57

TOTALS CARRIED TO GENERAL SUMMARY  
 FOR SEEDING INFORMATION, SEE SHEET 4

Seeding	Cut	Fill
10275	1711	2468

Cut Area (SF): 4	Cut Vol. (CY): 40
Fill Area (SF): 4	Fill Vol. (CY): 2
Seed Width (FT): 15	Seed Area (SY): 63

**CROSS SECTIONS  
 STA. 44+77.73**

DESIGN AGENCY



DESIGNER

CNK  
 REVIEWER

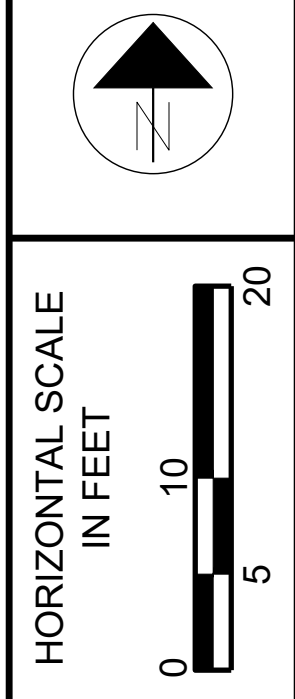
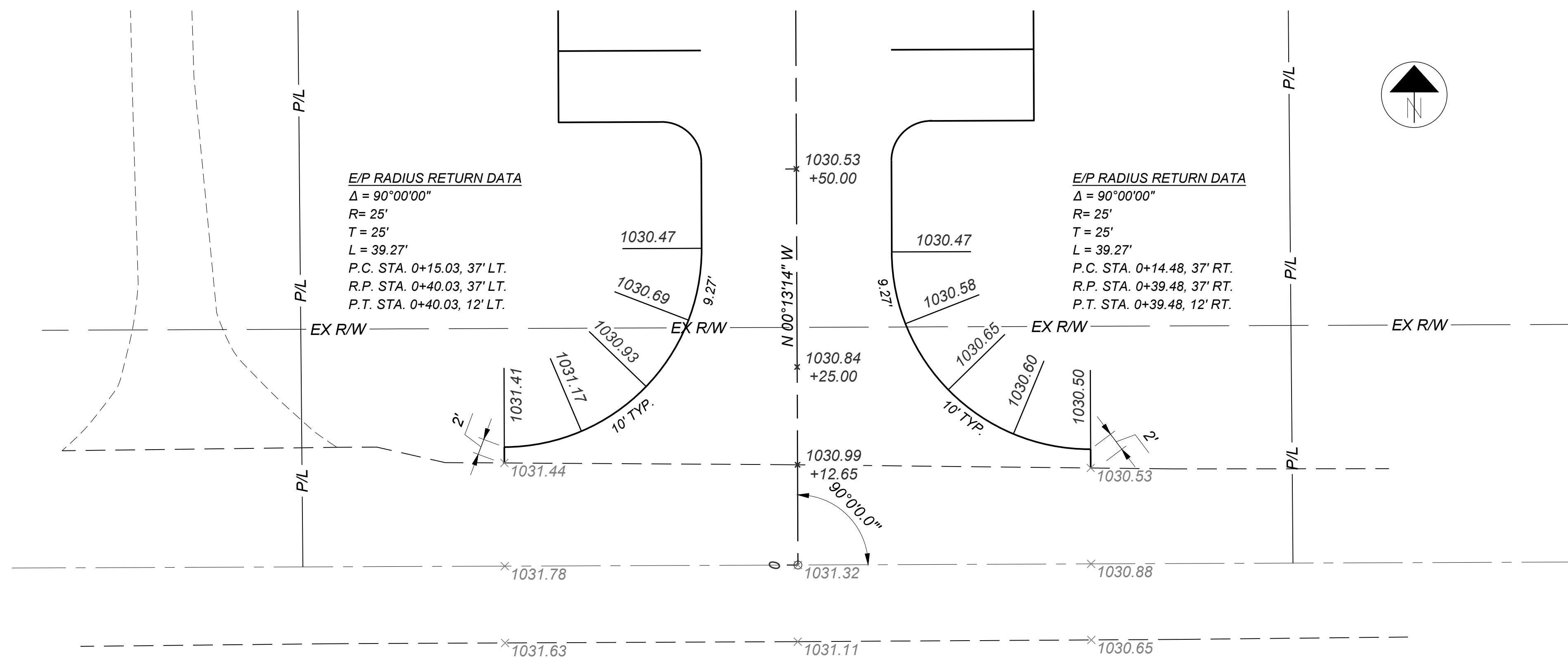
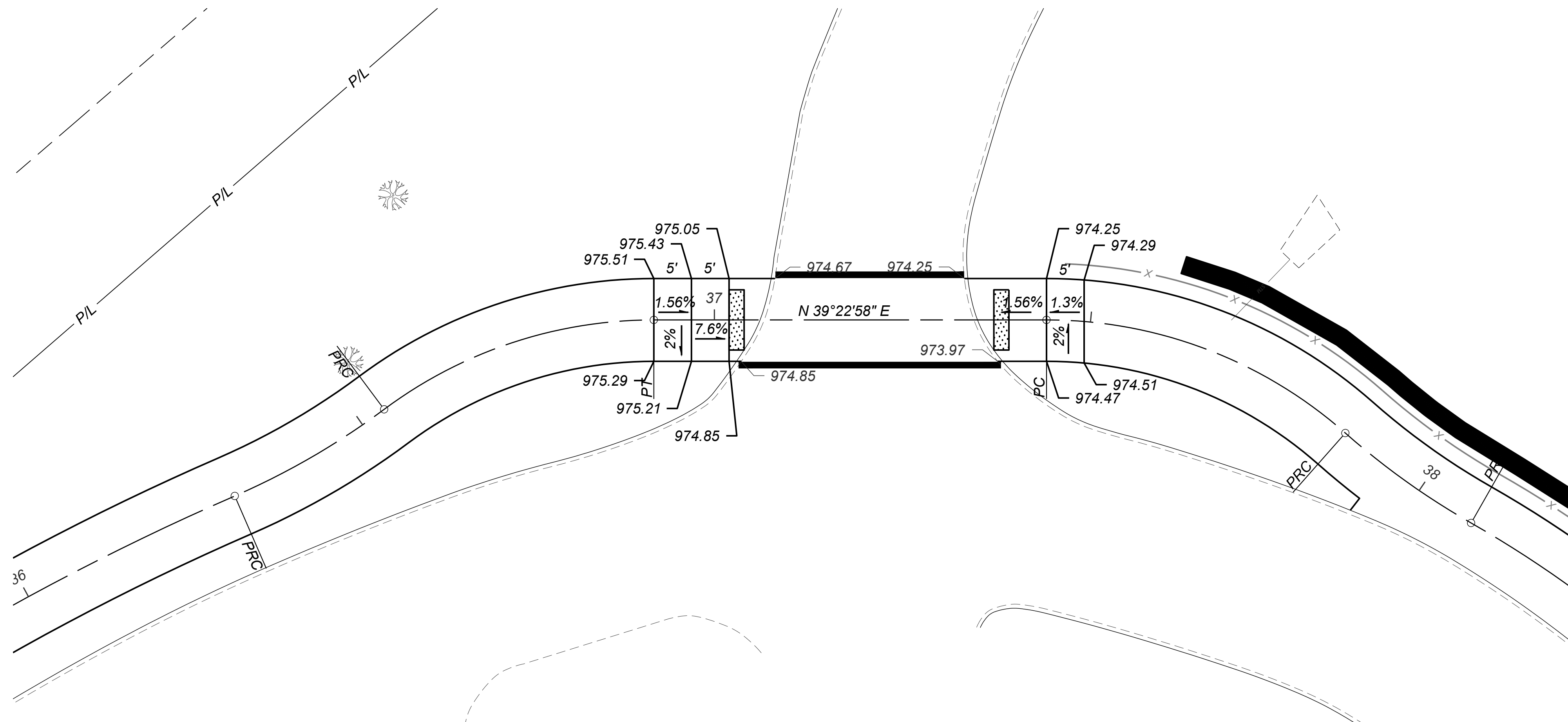
NES

PROJECT ID  
 761873

SHEET TOTAL  
 49 52

**LAKE MEDINA GREENWAY**

MODEL: PLAN & PROFILE PAPER SIZE: 34X22 (in.) DATE: 6/11/2024 TIME: 4:43:16 PM USER: KC.KIRLANGITIS  
 W:\PROJECTS\MEDINA CO PARK DISTRICT\761873\_Chandler Connector Trail\03-CIVIL\Roadway\Sheets\761873\_G1101.dwg



**INTERSECTION & CURB RAMP DETAILS**

DESIGN AGENCY  
  
**CESO**  
 WWW.CESOINC.COM  
 DESIGNER  
 CNK  
 REVIEWER  
 NES  
 PROJECT ID  
 761873  
 SHEET TOTAL  
 50 | 52

**FOOTINGS**

FOOTINGS SHALL EXTEND TO COMPETENT BEARING SOILS AS IDENTIFIED BY THE INSPECTION ENGINEER.

**FOUNDATION BEARING RESISTANCE**

ABUTMENT FOOTINGS SHALL BE DESIGNED BY THE REDI-ROCK BLOCK ENGINEER. DESIGNER SHOULD REFER TO THE GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS, INC. FOR ADDITIONAL RECOMMENDATIONS AND DESIGN INFORMATION.

**BEARING PAD SHIMS**

PLACE 1/8" THICK PREFORMED BEARING PAD SHIMS, PLAN AREA 8 BY 12 INCHES, UNDER THE BEARING PADS WHERE REQUIRED FOR PROPER BEARING.

**ITEM SPECIAL - RETAINING WALL, MISC: MODULAR BLOCK WALL**

THE REDI-ROCK MODULAR BLOCK SUPPLIER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE REDI-ROCK ABUTMENTS AND WALLS. THE FRONT FACE SHALL BE APPROXIMATELY 400 SQUARE FEET FOR THE NORTH ABUTMENT, APPROXIMATELY 270 SQUARE FEET FOR THE SOUTH ABUTMENT, APPROXIMATELY 158 SQUARE FEET FOR THE WALL LOCATED AT STA. 22+80 TO 23+25 AND APPROXIMATELY 450 SQUARE FEET FOR THE WALL LOCATED AT STA. 37+60 TO 38+50. BRIDGE LOADS ARE PROVIDED IN THE TABLE BELOW. ALL LOADS ARE UNFACTORED.

**VERTICAL LOADS (KIPS)**

DEAD LOAD: PER BRIDGE MANUFACTURER

LIVE LOAD: PER BRIDGE MANUFACTURER

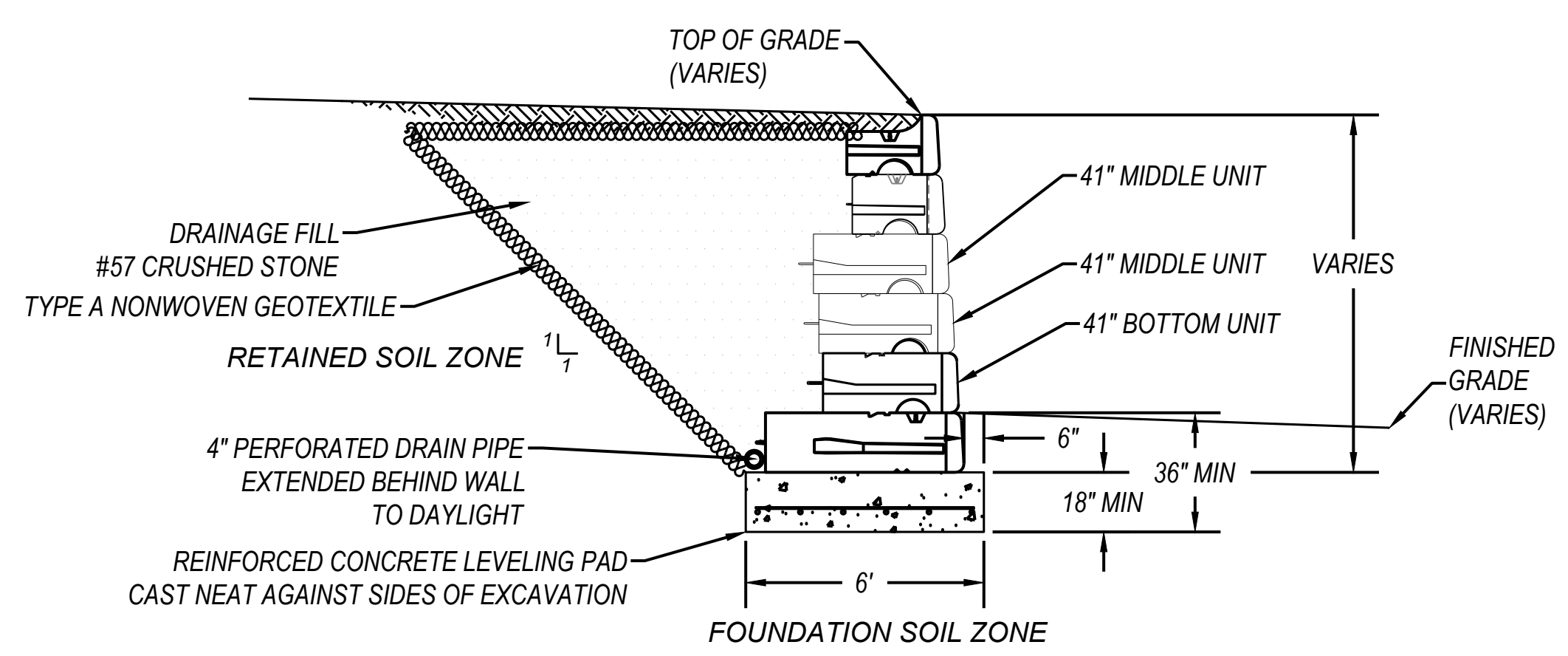
THE REDI-ROCK BLOCKS SHALL BE PRODUCED BY TURNER CONCRETE PRODUCTS:

TURNER CONCRETE PRODUCTS  
2121 TRACY RD  
NORTHWOOD, OH 43619  
419-662-9000

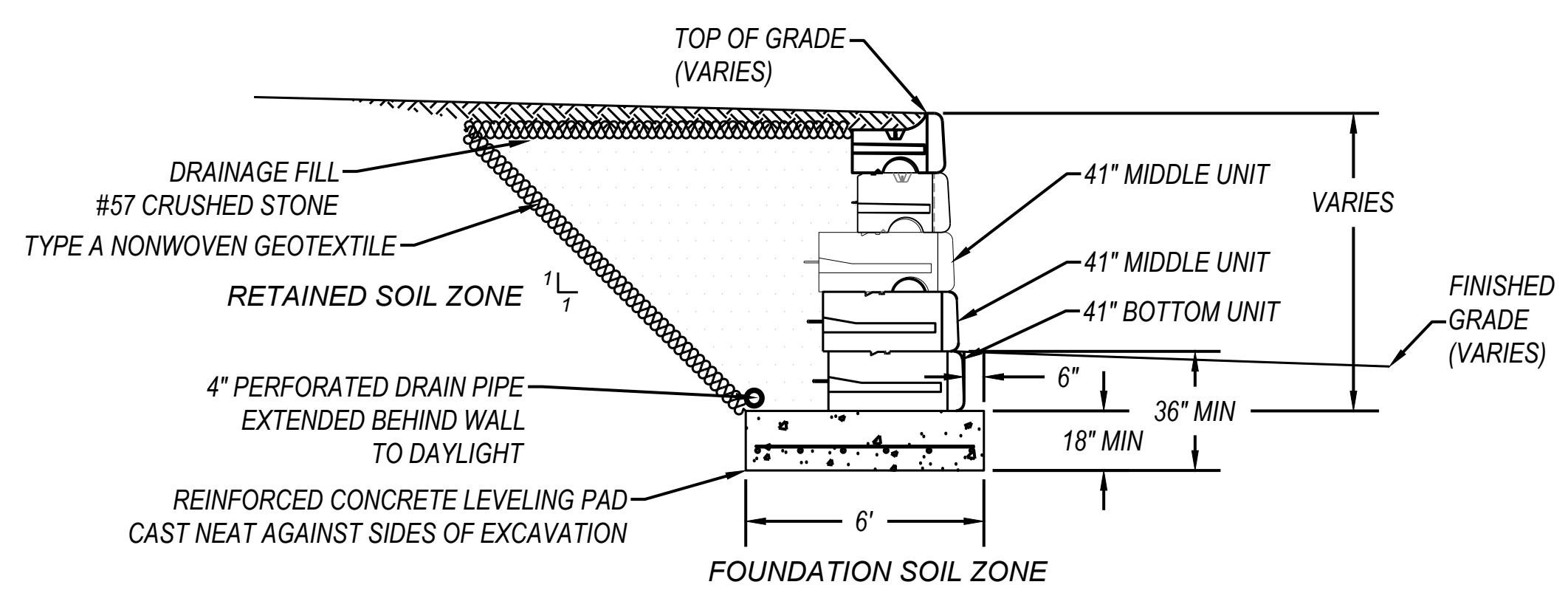
THE SURFACE FINISH OF THE REDI-ROCK BLOCKS SHALL BE LEDGESTONE AS APPROVED BY THE OWNER.

PAYMENT FOR THIS ITEM SHALL BE MADE AT THE CONTRACT SQUARE FOOT PRICE BID FOR ITEM SPECIAL - RETAINING WALL, MISC: MODULAR BLOCK WALL. SQUARE FOOT PRICE INCLUDES ALL DESIGN, CONSTRUCTION PLANS, INSTALLATION, INSPECTION, EXCAVATION, BACKFILL, CONCRETE LEVELING PAD, DRAINAGE, MATERIAL, LABOR AND EQUIPMENT NECESSARY TO CONSTRUCT THE MODULAR BLOCK ABUTMENTS AND WALLS.

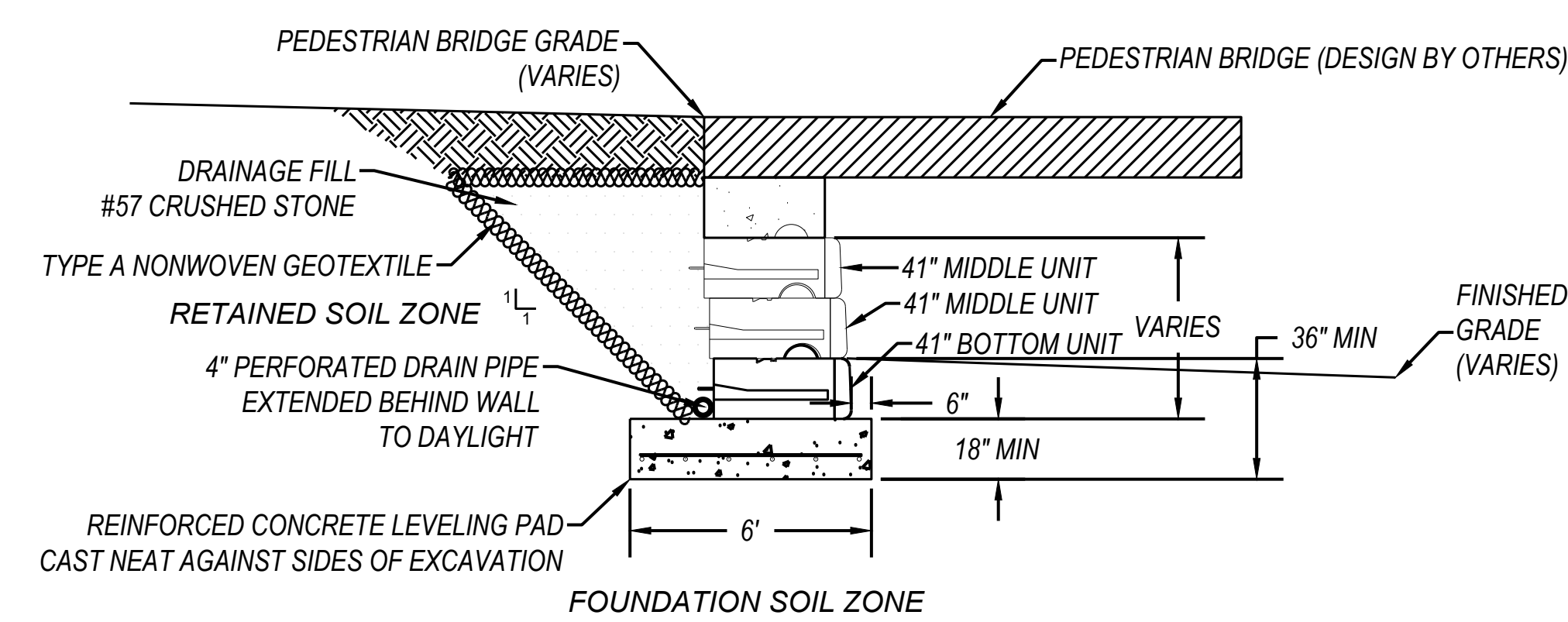
PRELIMINARY  
\*\*\*DETAILS PROVIDED IN THIS PLAN ARE FOR BIDDING PURPOSES.  
CONTRACTOR SHALL HAVE ABUTMENTS & WALLS DESIGNED BY MANUFACTURER \*\*\*



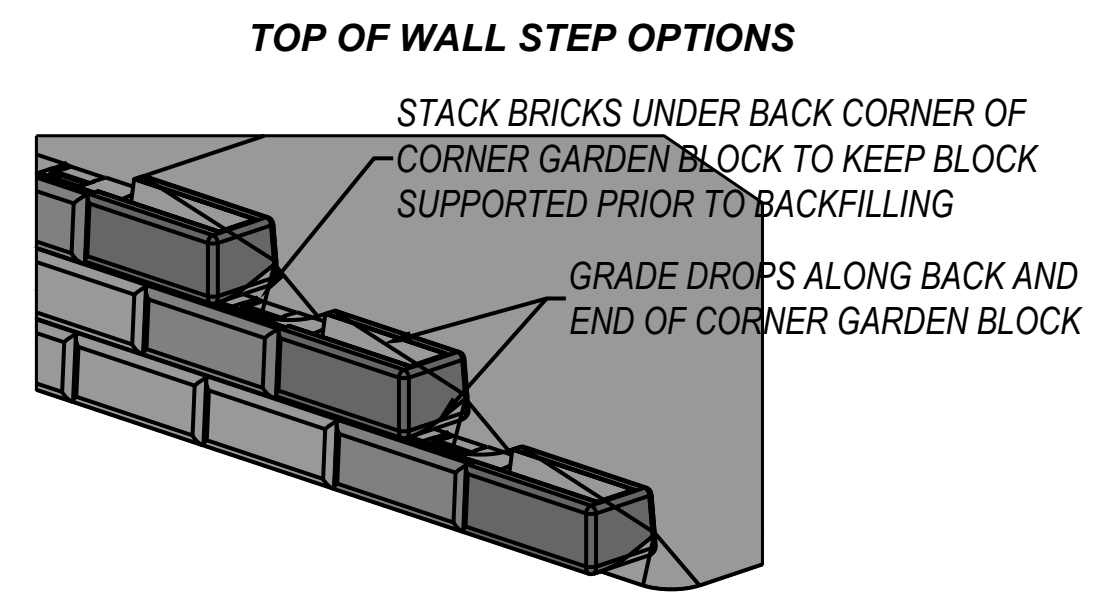
TYPICAL CROSS-SECTION 60" BASE BLOCK



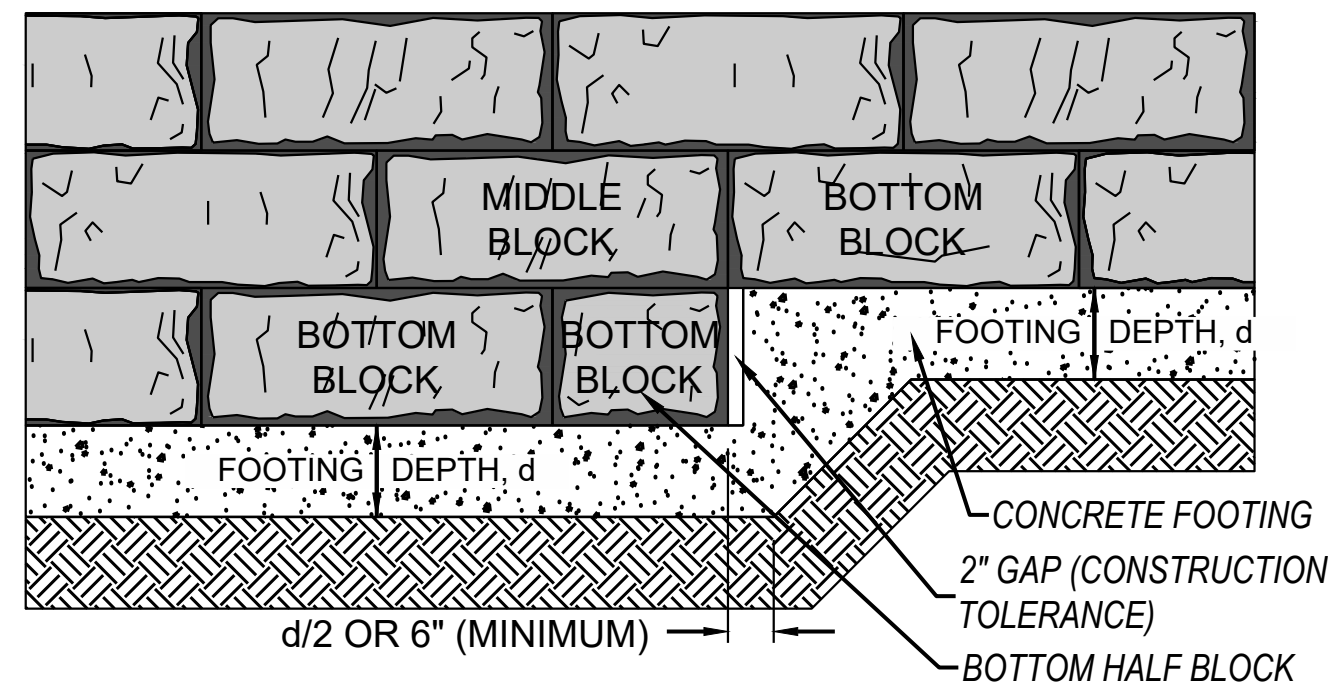
TYPICAL CROSS-SECTION 41" BASE BLOCK



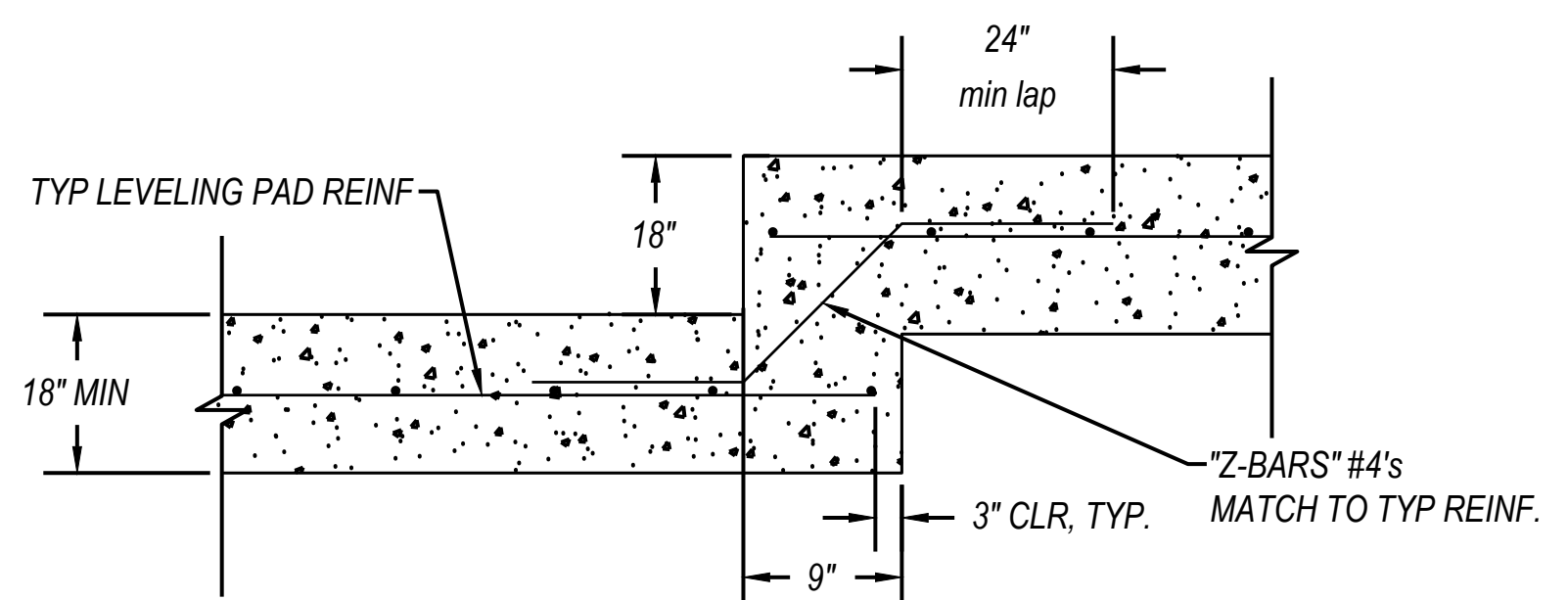
TYPICAL CROSS-SECTION @ BRIDGE



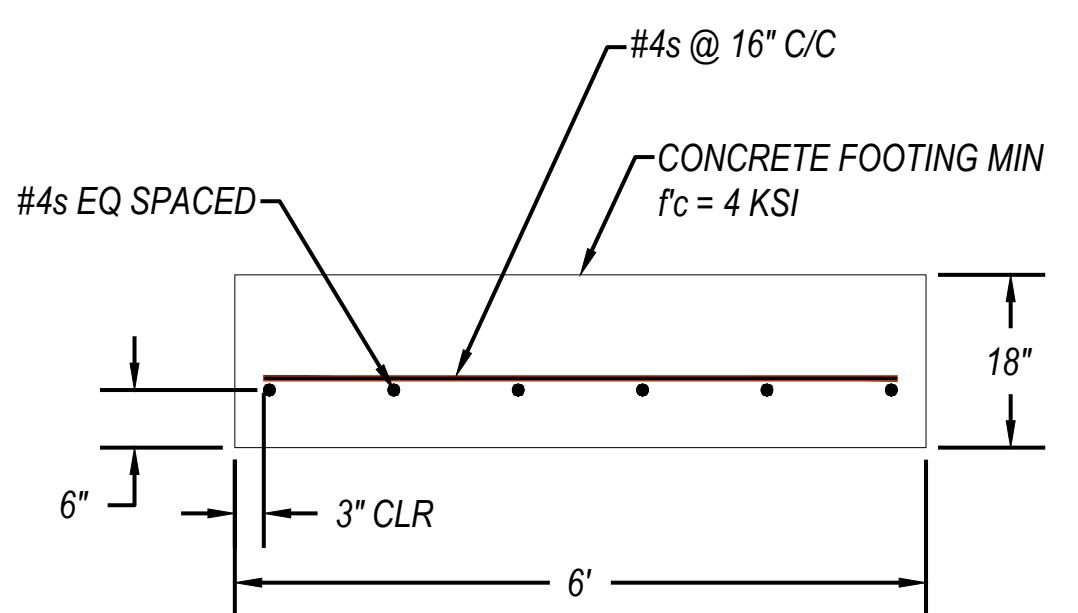
TOP OF WALL STEP SHIM DETAIL



STEP FOOTING DETAILS

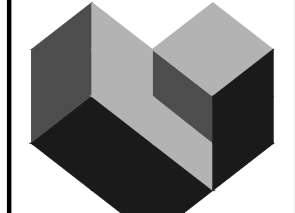


LEVELING PAD STEP REINFORCEMENT DETAIL



CONCRETE FOOTING REINFORCEMENT DETAIL

DESIGN AGENCY



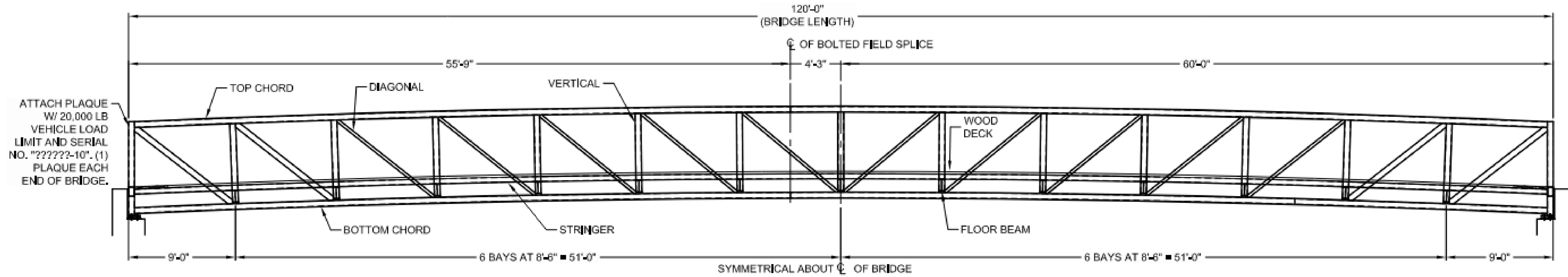
DESIGNER

CNK REVIEWER

NES PROJECT ID

761873 SHEET TOTAL

51 | 52

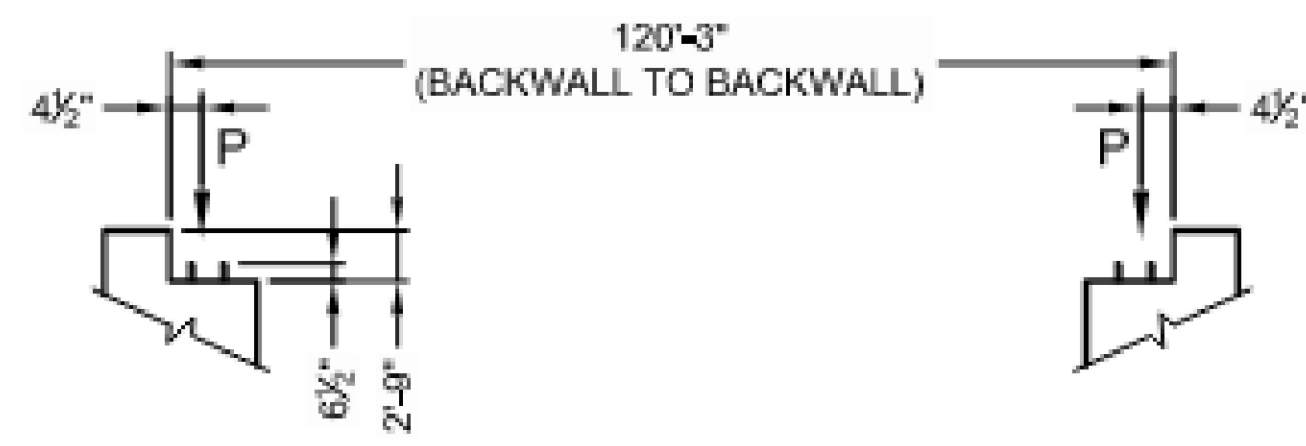


BRIDGE ELEVATION

PRELIMINARY  
 \*\*\*DETAILS PROVIDED IN THIS PLAN ARE FOR BIDDING PURPOSES.  
 CONTRACTOR SHALL HAVE ABUTMENTS & WALLS DESIGNED BY MANUFACTURER \*\*\*

**GENERAL NOTES**

- DESIGN STRESSES ARE IN ACCORDANCE WITH "STANDARD SPECIFICATION FOR HIGHWAY BRIDGES" & "GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES" BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) 2009.
- BRIDGE MEMBERS ARE FABRICATED FROM HIGH STRENGTH, LOW ALLOY, ENHANCED ATMOSPHERIC CORROSION RESISTANT ASTM A847 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING, AND ASTM A588, ASTM A606, OR ASTM A242 PLATE AND STRUCTURAL SHAPES (Fy=50,000 PSI).
- BRIDGE DECKING NOMINAL 3" x 12" SELECT STRUCTURAL FIR (Fb=1,400 PSI min.) OR 3" x 10" SOUTHERN YELLOW PINE (Fb=1,300 PSI min.), ALKALINE COPPER QUATERNARY (ACQ) TO A 0.4 PCF RETENTION OR TO REFUSAL OR AZOLE BIOCIDE (MCA) TO A 0.06 PCF RETENTION OR TO REFUSAL.
- THE GAS METAL ARC WELDING PROCESS OR FLUX CORED ARC WELDING PROCESS WILL BE USED, WELDING TO BE IN ACCORDANCE WITH AWS D1.1.
- ALL TOP AND BOTTOM CHORD SHOP SPLICES TO BE COMPLETE PENETRATION TYPE WELDS, WELD BETWEEN TOP CHORD AND END VERTICAL SHALL BE AS DETAILED.
- UNLESS OTHERWISE NOTED, WELDED CONNECTIONS SHALL BE FILLET WELDS (OR HAVE THE EFFECTIVE THROAT OF A FILLET WELD) OF A SIZE EQUAL TO THE THICKNESS OF THE LIGHTEST GAGE MEMBER IN THE CONNECTION. WELDS SHALL BE APPLIED AS FOLLOWS:
  - A. BOTH ENDS OF VERTICALS, DIAGONALS, AND FLOOR BEAMS SHALL BE WELDED ALL AROUND.
  - B. BRACE DIAGONALS WILL BE WELDED ALL AROUND.
  - C. MISCELLANEOUS NON-STRUCTURAL MEMBERS WILL BE STITCH WELDED TO THEIR SUPPORTING MEMBERS.
- BRIDGE DESIGN WAS ONLY BASED ON COMBINATIONS OF THE FOLLOWING LOADS WHICH WILL PRODUCE MAXIMUM CRITICAL MEMBER STRESSES.
  - A. 90 PSF UNIFORM LIVE LOADING ON THE FULL DECK AREA OR ONE 20,000 LB VEHICLE LOAD, THE LOAD SHALL BE DISTRIBUTED AS A FOUR-WHEEL VEHICLE WITH 80% OF THE LOAD ON THE REAR WHEELS. THE WHEEL TRACK WIDTH OF THE VEHICLE SHALL BE 6'-0" AND THE WHEEL BASE SHALL BE 14'-0". THE VEHICLE SHALL BE POSITIONED SO AS TO PRODUCE THE MAXIMUM STRESSES IN EACH MEMBER, INCLUDING DECKING.
  - B. 35 PSF WIND LOAD ON THE FULL HEIGHT OF THE BRIDGE, AS IF ENCLOSED.
  - C. 20 PSF UPWARD FORCE APPLIED AT THE WINDWARD QUARTER POINT OF THE TRANSVERSE BRIDGE WIDTH (AASHTO 3.15.3).
- CLEANING: ALL EXPOSED SURFACES OF STEEL SHALL BE CLEANED IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL SURFACES PREPARATION SPECIFICATIONS NO. 7 BRUSH-OFF BLAST CLEANING, SSPC-SP7-LATEST EDITION.
- MINIMUM MATERIAL THICKNESS OF 1/4" ON ALL STRUCTURAL MEMBERS.



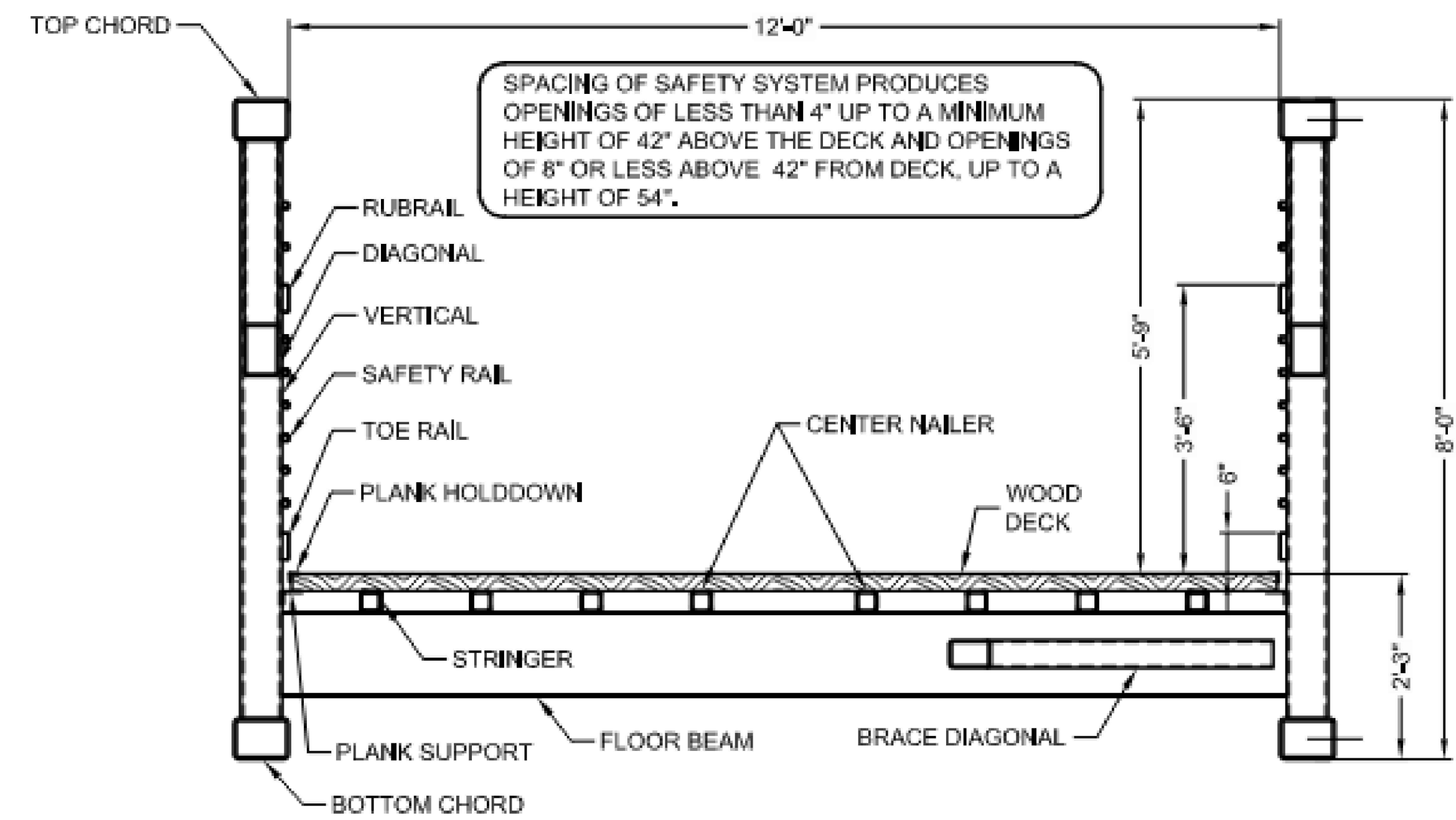
ANCHOR BOLT ELEVATION

COMBINE REACTIONS AS PER LOCAL OR GOVERNING BUILDING CODES AS REQUIRED

BRIDGE REACTIONS	* DOWNWARD LOAD - UPWARD LOAD		
	P (LBS)	H (LBS)	L (LBS)
DEAD LOAD	15,925		
UNIFORM LIVE LOAD	32,400		
VEHICLE LOAD	10,000		
WIND UPLIFT 20 PSF		-12,000	-4,000
WIND	46,635	16,800	
THERMAL			2,390

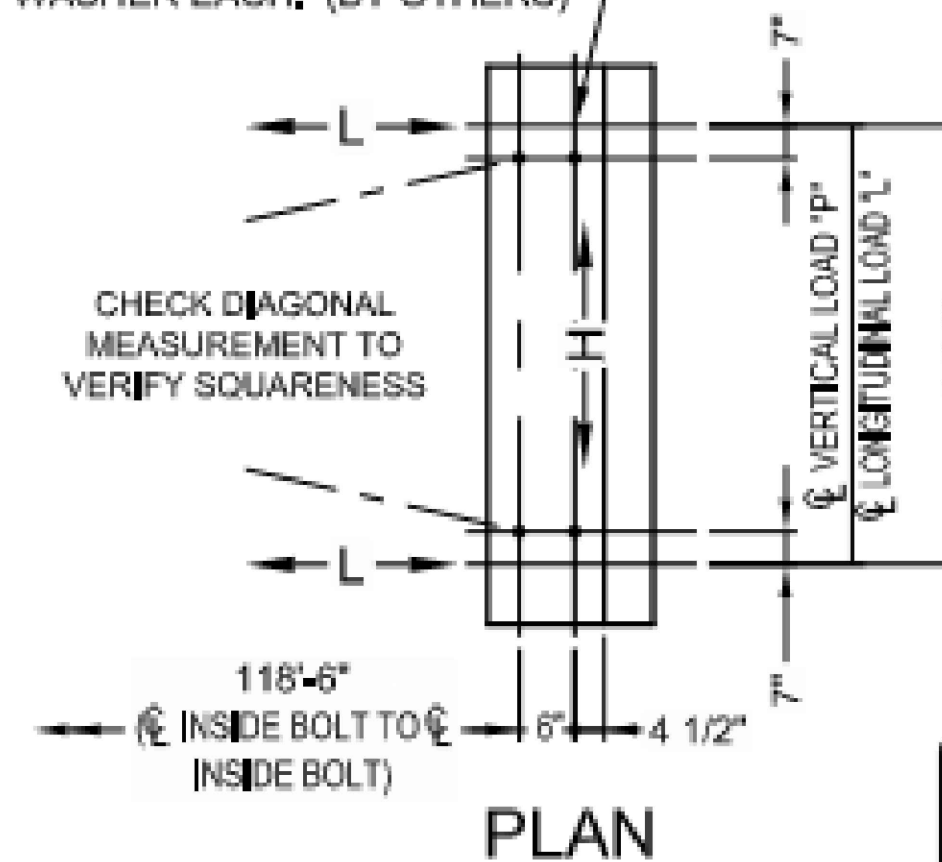
\*P\* - VERTICAL LOAD EACH BASE PLATE (4 PER BRIDGE)  
 \*H\* - HORIZONTAL LOAD EACH FOOTING (2 PER BRIDGE)  
 \*L\* - LONGITUDINAL LOAD EACH BASE PLATE (4 PER BRIDGE)

BRIDGE LIFTING WEIGHT: 63,700 LBS



BRIDGE SECTION

(8) Ø1" ASTM F1554 GRADE 55 GALV. ANCHOR RODS W/(2) NUTS AND (1) 2 1/2" O.D. WASHER EACH, (BY OTHERS)



PLAN

CONTECH FABRICATION DRAWING



DESIGN AGENCY  
 CNK REVIEWER  
 NES PROJECT ID  
 761873 SHEET TOTAL  
 52 | 52