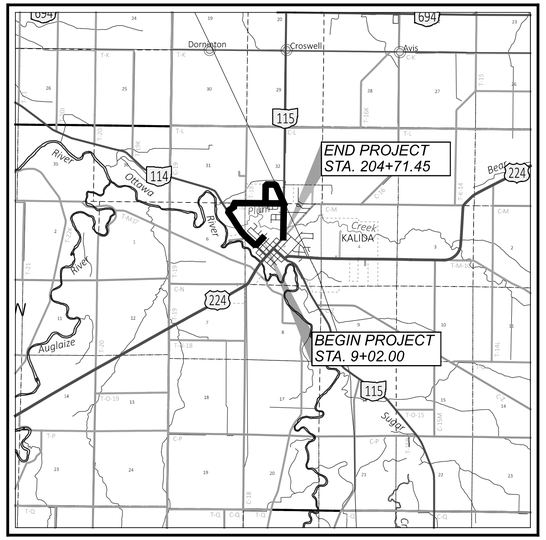
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

PUT-KALIDA PEDESTRIAN LOOP

VILLAGE OF KALIDA
PUTNAM COUNTY



LOCATION MAP

LATITUDE: 40°59'20" N LONGITUDE: -84°12'14" W

SCALE IN MILES

0 1 2 3 4

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

DESIGN DESIGNATION

CURRENT ADT (2026)	3271/1489
DESIGN YEAR ADT (2046)	3800/1800
DESIGN HOURLY VOLUME (2046)	500/250
DIRECTIONAL DISTRIBUTION	57%/56%
TRUCKS (24 HOUR B&C)	16%/4%
DESIGN SPEED	40/55
LEGAL SPEED	35/50
DESIGN FUNCTIONAL CLASSIFICATION: 07 LOCAL ROADS (RURAL) / 05 MAJOR COLLECTOR	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVER

NONE REQUIRED

INDEX OF SHEETS:

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FEDERAL PROJECT NUMBER

E240765

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

INSTALLATION OF 3,595' OF SIDEWALK ALONG SR 115 FROM EXISTING SIDEWALK UNDER THE SR 115 BRIDGE TO CONNECT TO EXISTING SIDEWALK ALONG SR 115. CONSTRUCTION OF 6,571' OF SHARED USE PATH AROUND WOODS AND IN THE PARK ON THE NORTH SIDE OF THE VILLAGE AND CONSTRUCTION OF 2210' OF SIDEWALK ALONG SR 114 FROM THE PARK SOUTH TO THE EXISTING SIDEWALK NETWORK. REPLACEMENT OF 542' OF SIDEWALK ALONG FRONT STREET AND REPLACEMENT OF 3,490' ALONG NORTHLAND DRIVE.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	6.74 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.54 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	7.28 ACRES

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

OHIO811.org Before You Dig

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

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.

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-3.1	1-19-2024	HL-10.13	1-20-2023					800-2023	1-16-26	PN 139
BP-4.1	7-19-2013	HL-20.11	1-16-2026					832	7-19-24	
BP-5.1	1-16-2026	HL-30.22	1-17-2025							
BP-7.1	1-16-2026	HL-40.10	1-16-2026							
		HL-60.12	1-16-2026							
CB-2-2A, 2B, 2C	7-19-24									
		DS-1-92	7-15-2022							
DM-4.3	1-15-16									
DM-4.4	1-15-16									
MT-95.30	7-18-25									
MT-97.10	7-18-25									
MT-105.10	1-17-20									
TC-74.10	1-16-2026									
TC-87.10	1-16-2026									

ENGINEER'S SEAL:
ROADWAY

STATE OF OHIO
GREGORY A. BOCKRATH
E-68042
REGISTERED
PROFESSIONAL ENGINEER

SIGNED: Gregory A. Bockrath P.E., P.S. Digitally signed by Gregory A. Bockrath P.E., P.S. Date: 2026.02.23 12:15:57 -05'00'
DATE:

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING OF TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED Christopher A. Hughes
Christopher A. Hughes, P.E.
DISTRICT 01 DEPUTY DIRECTOR

APPROVED Pamela Boratyn
Pamela Boratyn
DIRECTOR, DEPARTMENT OF TRANSPORTATION

PLAN PREPARED BY:

Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGN AGENCY
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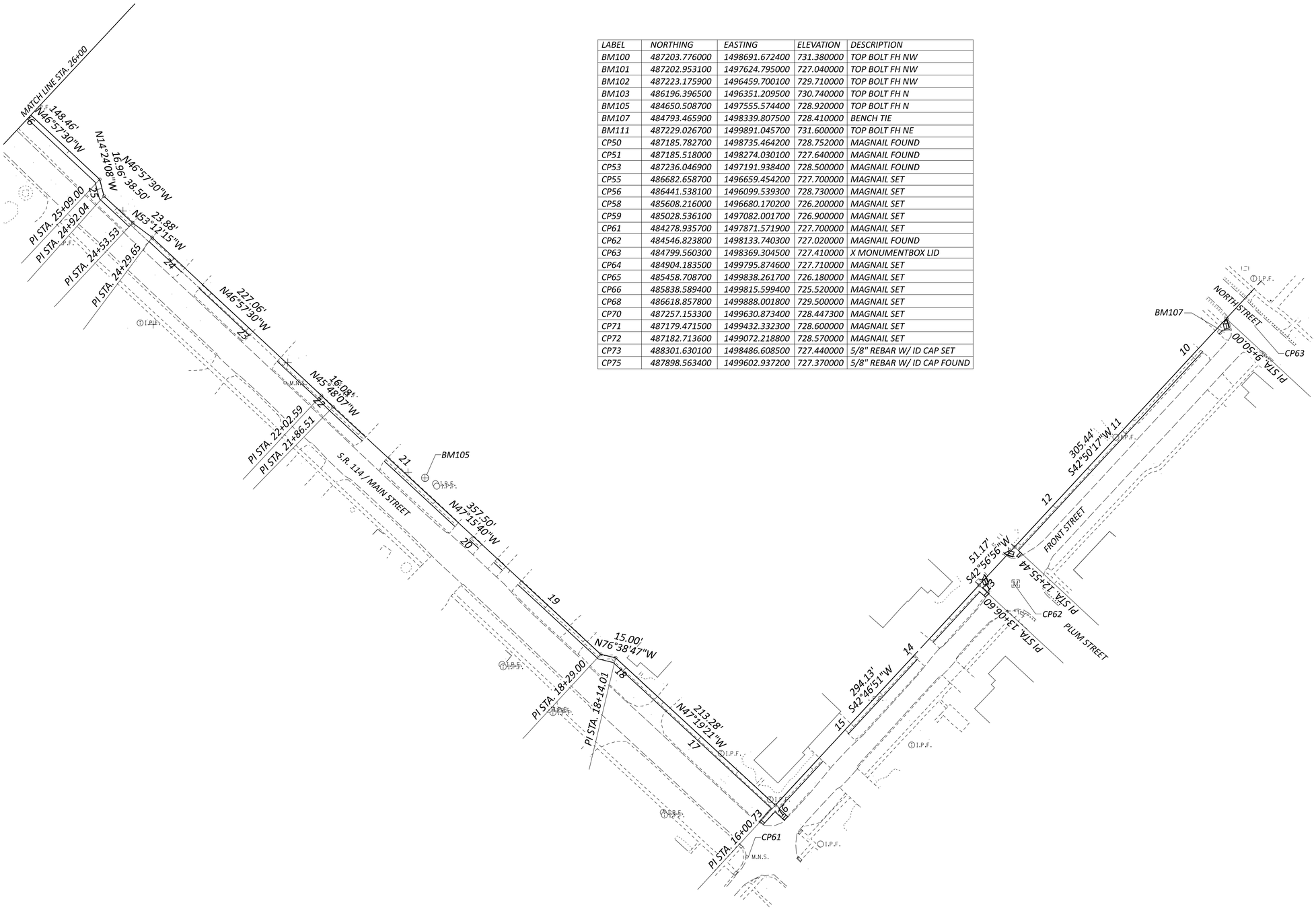
DESIGNER: KMB
REVIEWER: GAB 2-2-26
PROJECT ID: 121886
SHEET: P.01 TOTAL: 144

TITLE SHEET

PUT-KALIDA PEDESTRIAN LOOP

LABEL	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM100	487203.776000	1498691.672400	731.380000	TOP BOLT FH NW
BM101	487202.953100	1497624.795000	727.040000	TOP BOLT FH NW
BM102	487223.175900	1496459.700100	729.710000	TOP BOLT FH NW
BM103	486196.396500	1496351.209500	730.740000	TOP BOLT FH N
BM105	484650.508700	1497555.574400	728.920000	TOP BOLT FH N
BM107	484793.465900	1498339.807500	728.410000	BENCH TIE
BM111	487229.026700	1499891.045700	731.600000	TOP BOLT FH NE
CP50	487185.782700	1498735.464200	728.752000	MAGNAIL FOUND
CP51	487185.518000	1498274.030100	727.640000	MAGNAIL FOUND
CP53	487236.046900	1497191.938400	728.500000	MAGNAIL FOUND
CP55	486682.658700	1496659.454200	727.700000	MAGNAIL SET
CP56	486441.538100	1496099.539300	728.730000	MAGNAIL SET
CP58	485608.216000	1496680.170200	726.200000	MAGNAIL SET
CP59	485028.536100	1497082.001700	726.900000	MAGNAIL SET
CP61	484278.935700	1497871.571900	727.700000	MAGNAIL SET
CP62	484546.823800	1498133.740300	727.020000	MAGNAIL FOUND
CP63	484799.560300	1498369.304500	727.410000	X MONUMENTBOX LID
CP64	484904.183500	1499795.874600	727.710000	MAGNAIL SET
CP65	485458.708700	1499838.261700	726.180000	MAGNAIL SET
CP66	485838.589400	1499815.599400	725.520000	MAGNAIL SET
CP68	486618.857800	1499888.001800	729.500000	MAGNAIL SET
CP70	487257.153300	1499630.873400	728.447300	MAGNAIL SET
CP71	487179.471500	1499432.332300	728.600000	MAGNAIL SET
CP72	487182.713600	1499072.218800	728.570000	MAGNAIL SET
CP73	488301.630100	1498486.608500	727.440000	5/8" REBAR W/ ID CAP SET
CP75	487898.563400	1499602.937200	727.370000	5/8" REBAR W/ ID CAP FOUND



HORIZONTAL SCALE IN FEET
0 25 50 100

SIDEWALK SCHEMATIC PLAN

PUT-KALIDA PEDESTRIAN LOOP

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PROJECT ID
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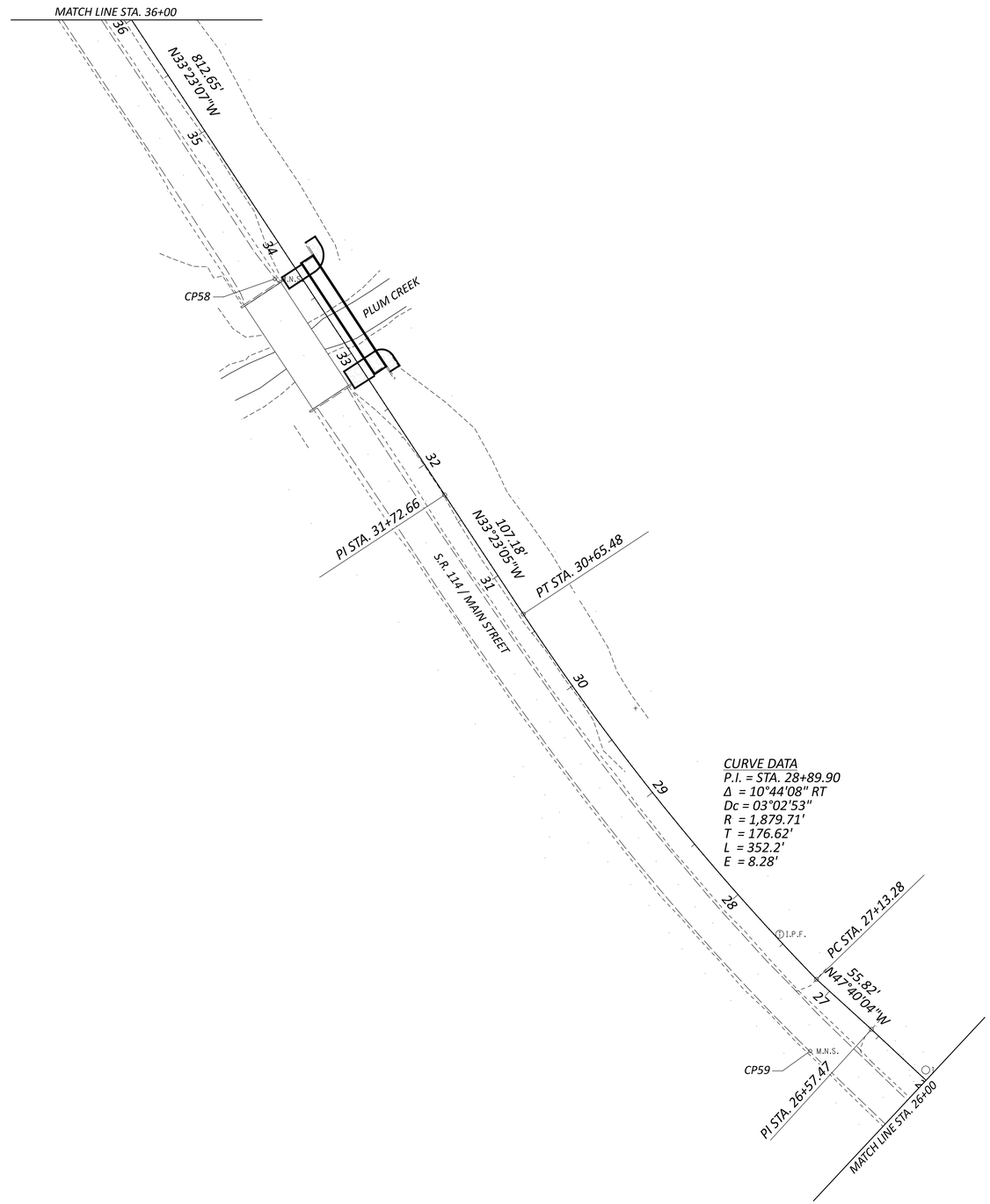
SHEET P.02 TOTAL 144



HORIZONTAL SCALE IN FEET
0 25 50 100

SIDEWALK SCHEMATIC PLAN

PUT-KALIDA PEDESTRIAN LOOP

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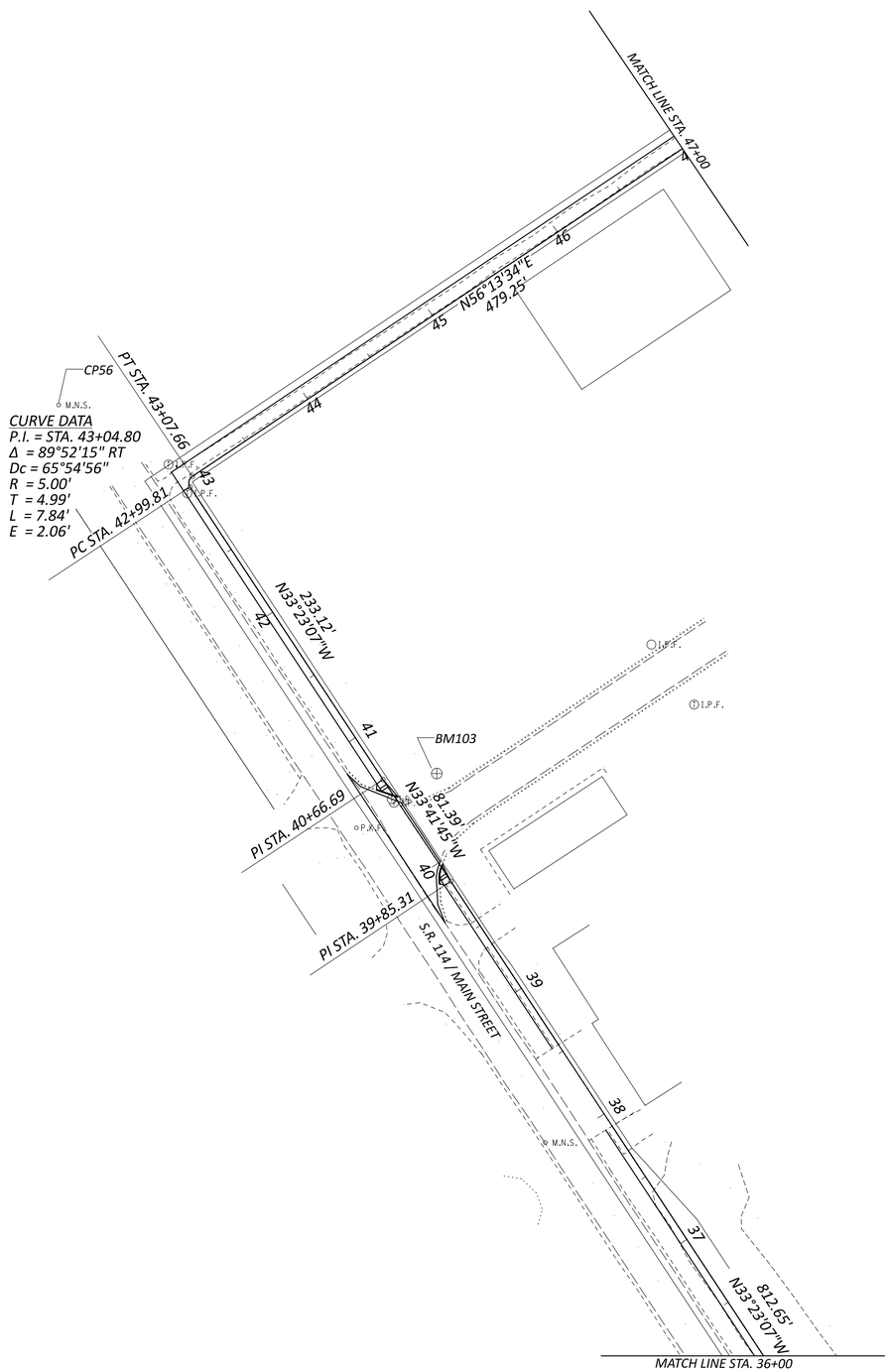
SHEET P.03 TOTAL 144



HORIZONTAL SCALE IN FEET
0 25 50 100

SIDEWALK SCHEMATIC PLAN

PUT-KALIDA PEDESTRIAN LOOP

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PROJECT ID
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SHEET P.04 TOTAL 144

CURVE A
P.I. = STA. 47+95.43
Δ = 13°30'53" RT
Dc = 79°34'39"
R = 72.00'
T = 8.53'
L = 16.98'
E = .5'

CURVE B
P.I. = STA. 48+67.86
Δ = 21°20'35" LT
Dc = 54°03'09"
R = 106.00'
T = 19.97'
L = 39.49'
E = 1.87'

CURVE C
P.I. = STA. 50+35.34
Δ = 06°32'42" RT
Dc = 29°32'02"
R = 194.00'
T = 11.09'
L = 22.16'
E = .32'

CURVE D
P.I. = STA. 50+93.08
Δ = 08°41'49" LT
Dc = 27°48'49"
R = 206.00'
T = 15.66'
L = 31.27'
E = 0.59'

CURVE E
P.I. = STA. 61+09.07
Δ = 06°33'39" LT
Dc = 29°32'02"
R = 194.00'
T = 11.12'
L = 22.21'
E = 0.32'

CURVE F
P.I. = STA. 63+76.19
Δ = 26°07'57" RT
Dc = 31°39'18"
R = 181.00'
T = 42.01'
L = 82.55'
E = 4.81'

CURVE G
P.I. = STA. 65+52.55
Δ = 100°54'31" RT
Dc = 139°44'45"
R = 41.00'
T = 49.66'
L = 72.21'
E = 23.4'

CURVE H
P.I. = STA. 66+41.21
Δ = 18°34'15" RT
Dc = 54°03'09"
R = 106.00'
T = 17.33'
L = 34.36'
E = 1.41'

CURVE I
P.I. = STA. 66+98.45
Δ = 46°19'27" LT
Dc = 60°57'11"
R = 94.00'
T = 40.21'
L = 76.00'
E = 8.24'

CURVE J
P.I. = STA. 67+56.87
Δ = 25°57'59" RT
Dc = 102°18'50"
R = 56.00'
T = 12.91'
L = 25.38'
E = 1.47'

CURVE K
P.I. = STA. 68+36.37
Δ = 20°14'06" RT
Dc = 54°03'09"
R = 106.00'
T = 18.91'
L = 37.44'
E = 1.67'

CURVE L
P.I. = STA. 68+72.07
Δ = 20°42'58" LT
Dc = 60°57'11"
R = 94.00'
T = 17.18'
L = 33.99'
E = 1.56'

CURVE M
P.I. = STA. 69+70.17
Δ = 02°43'44" LT
Dc = 29°32'02"
R = 194.00'
T = 4.62'
L = 9.24'
E = 0.06'

CURVE N
P.I. = STA. 70+20.36
Δ = 06°01'29" LT
Dc = 29°32'02"
R = 194.00'
T = 10.21'
L = 20.40'
E = 0.27'

CURVE O
P.I. = STA. 70+39.65
Δ = 05°03'28" RT
Dc = 27°48'49"
R = 206.00'
T = 9.1'
L = 18.19'
E = .2'

CURVE P
P.I. = STA. 71+23.06
Δ = 19°01'24" RT
Dc = 54°03'09"
R = 106.00'
T = 17.76'
L = 35.19'
E = 1.48'

CURVE Q
P.I. = STA. 71+61.52
Δ = 12°22'19" LT
Dc = 29°32'02"
R = 194.00'
T = 21.03'
L = 41.89'
E = 1.14'

CURVE R
P.I. = STA. 72+34.19
Δ = 06°28'36" LT
Dc = 29°32'02"
R = 194.00'
T = 10.98'
L = 21.93'
E = 0.31'

CURVE S
P.I. = STA. 80+49.63
Δ = 14°50'33" LT
Dc = 27°48'49"
R = 206.00'
T = 26.83'
L = 53.36'
E = 1.74'

CURVE T
P.I. = STA. 100+02.49
Δ = 27°57'48" RT
Dc = 212°57'28"
R = 10.00'
T = 2.49'
L = 4.88'
E = .31'

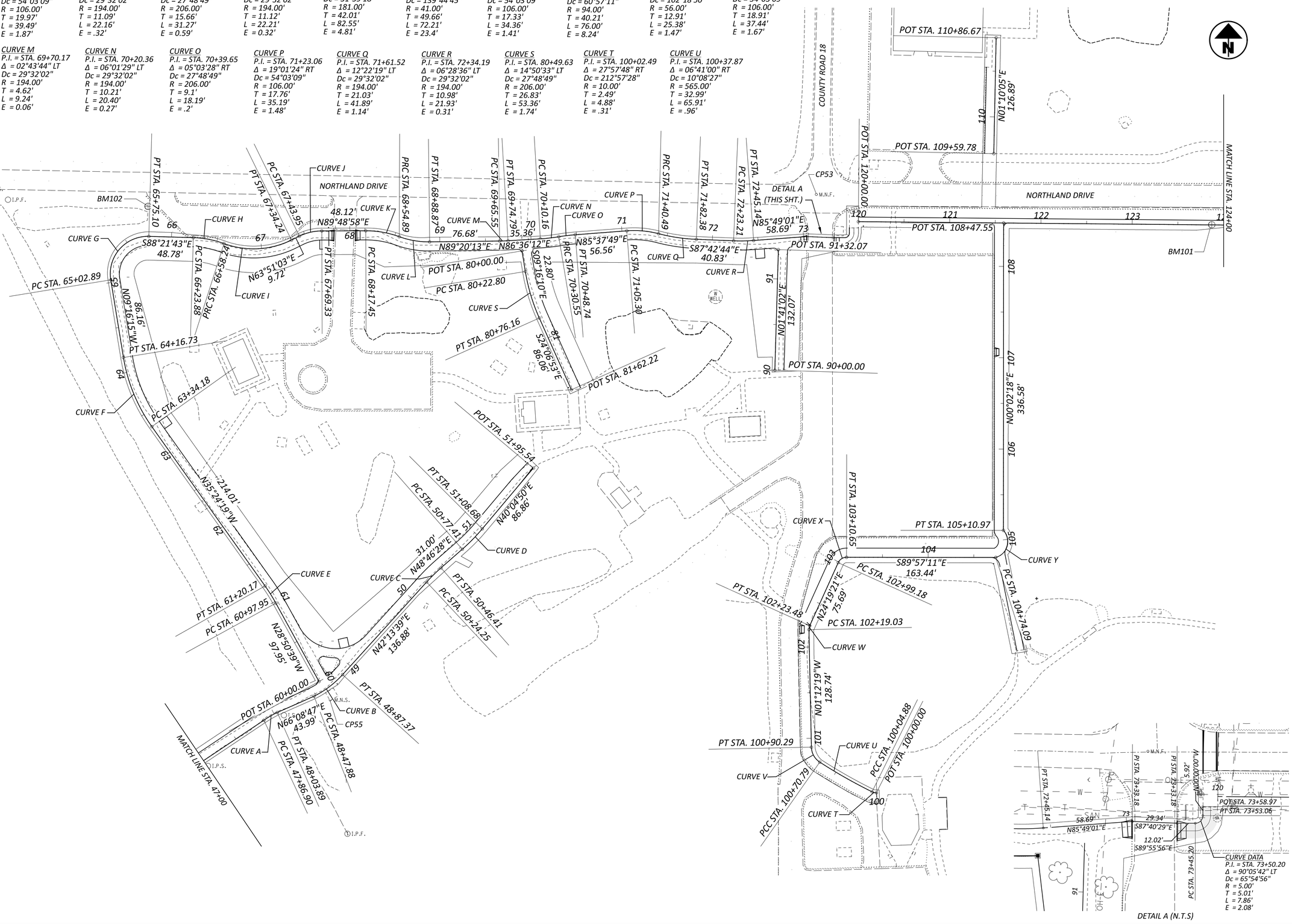
CURVE U
P.I. = STA. 100+37.87
Δ = 06°41'00" RT
Dc = 10°08'27"
R = 565.00'
T = 32.99'
L = 65.91'
E = .96'

CURVE V
P.I. = STA. 100+81.39
Δ = 55°52'12" RT
Dc = 286°28'44"
R = 20.00'
T = 10.61'
L = 19.5'
E = 2.64'

CURVE W
P.I. = STA. 102+21.29
Δ = 25°31'40" RT
Dc = 212°57'28"
R = 10.00'
T = 2.27'
L = 4.46'
E = .25'

CURVE X
P.I. = STA. 103+05.64
Δ = 65°43'22" RT
Dc = 212°57'28"
R = 10.00'
T = 6.46'
L = 11.47'
E = 1.9'

CURVE Y
P.I. = STA. 105+03.69
Δ = 117°23'49" LT
Dc = 318°18'36"
R = 18.00'
T = 29.60'
L = 36.88'
E = 16.65'



SIDEWALK SCHEMATIC PLAN

PUT-KALIDA PEDESTRIAN LOOP

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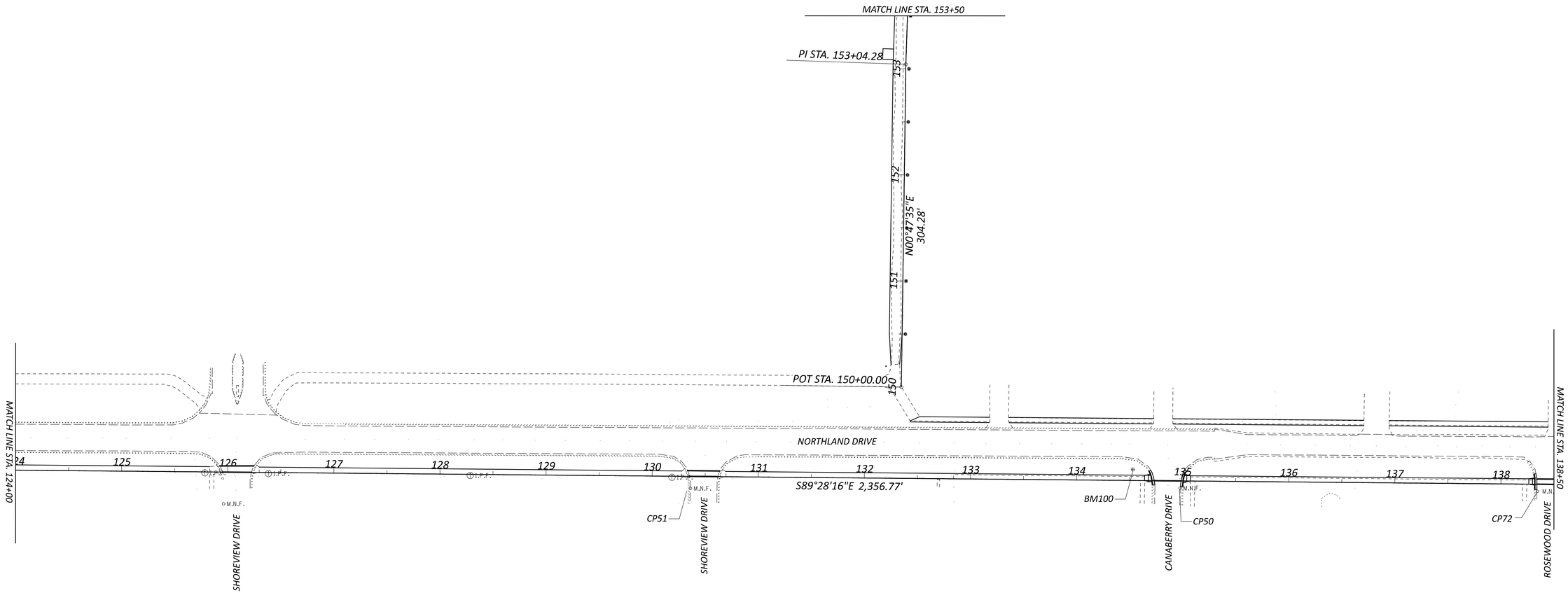
PROJECT ID: 121886
SHEET: P.05 TOTAL: 142



HORIZONTAL SCALE IN FEET
0 25 50 100

SIDEWALK SCHEMATIC PLAN

PUT-KALIDA PEDESTRIAN LOOP

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SHEET P.06 TOTAL 144

HORIZONTAL SCALE IN FEET
0 25 50 100

SIDEWALK SCHEMATIC PLAN

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SHEET: P.07 TOTAL: 144

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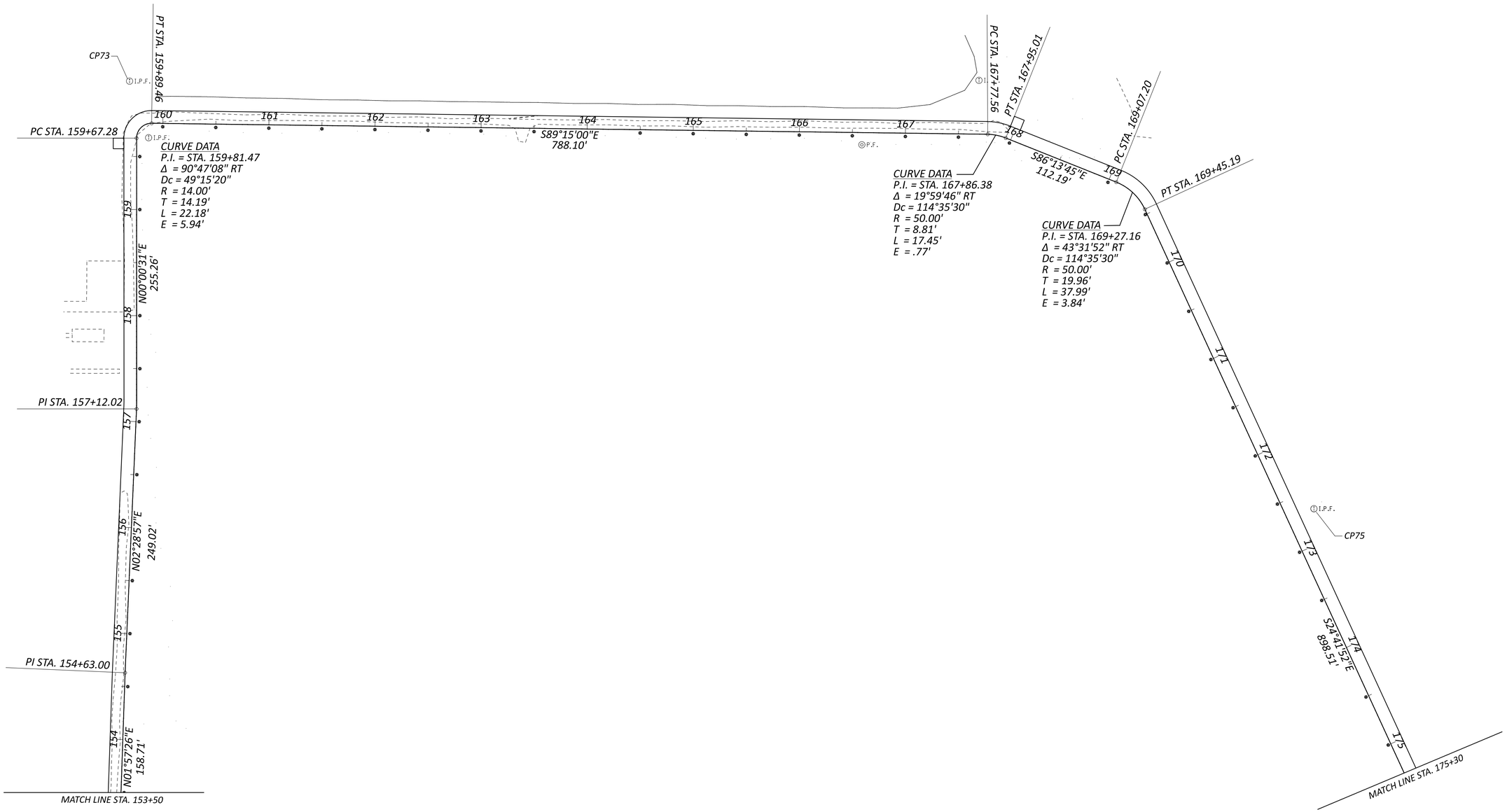

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0 25 50 100

SIDEWALK SCHEMATIC PLAN

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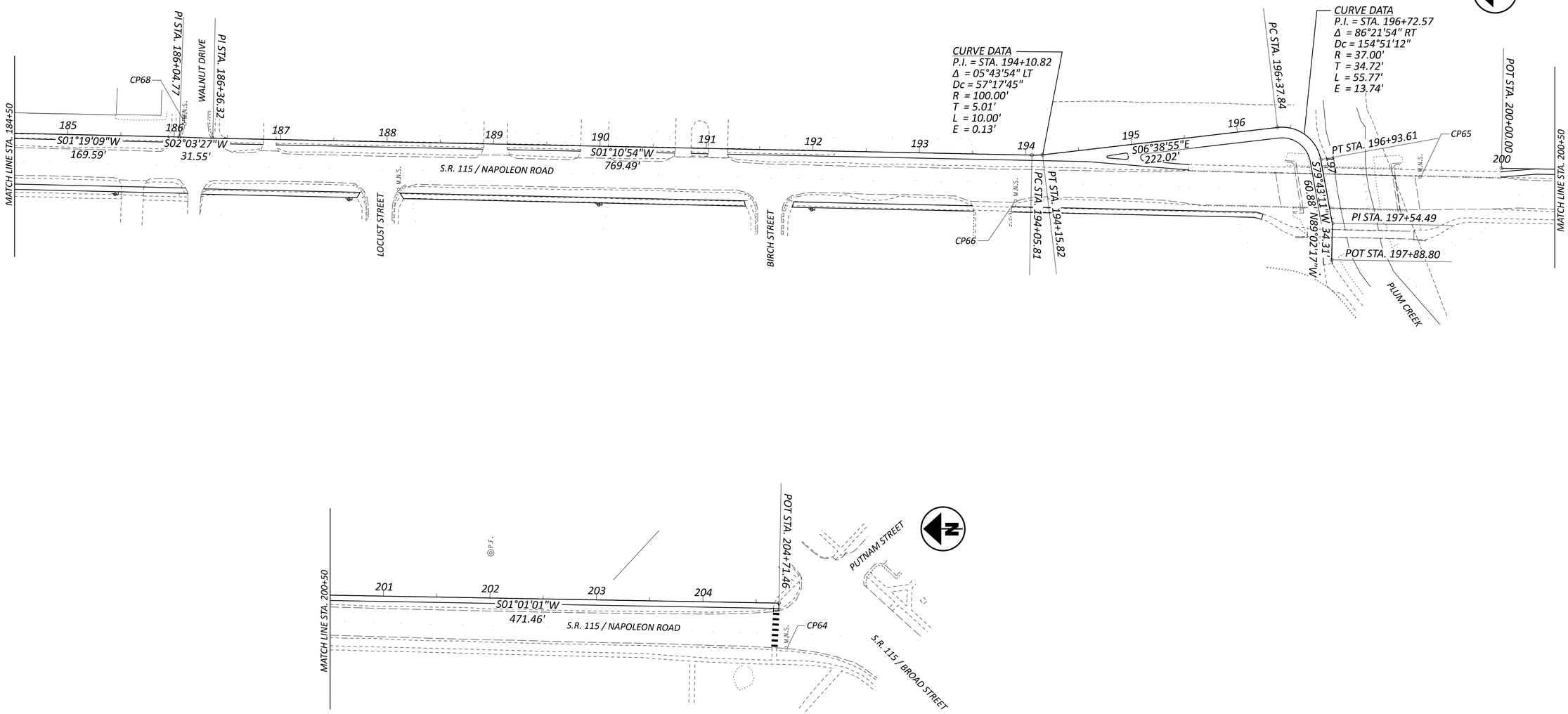
SHEET P.08 TOTAL 144



HORIZONTAL SCALE IN FEET

0 25 50 100

SIDEWALK SCHEMATIC PLAN

PUT-KALIDA PEDESTRIAN LOOP

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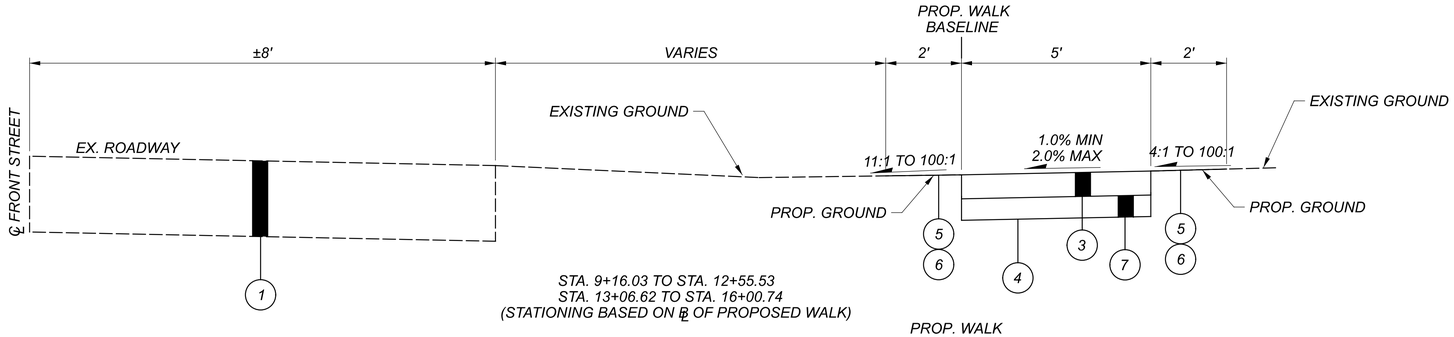
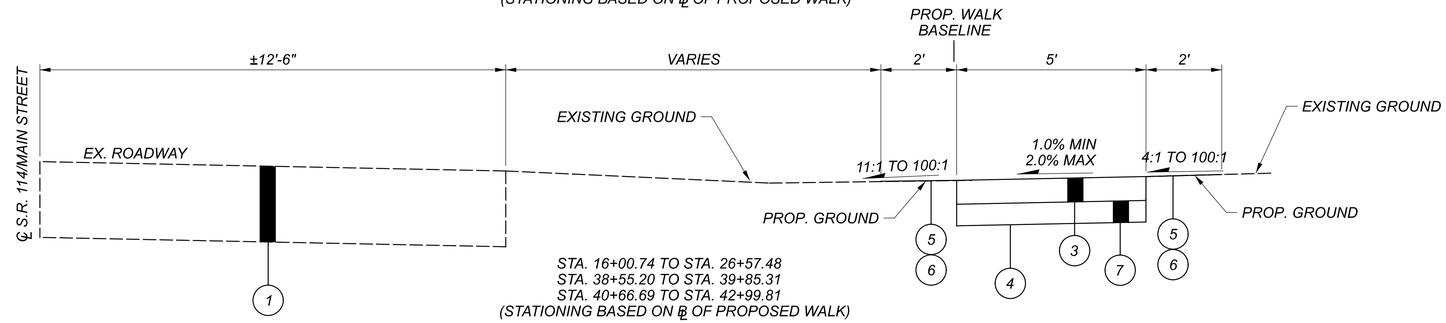
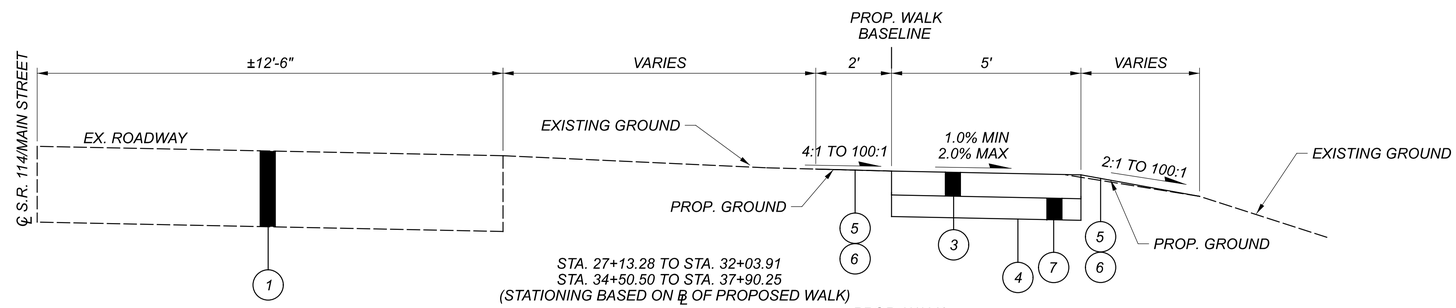
SHEET P.09 TOTAL 144



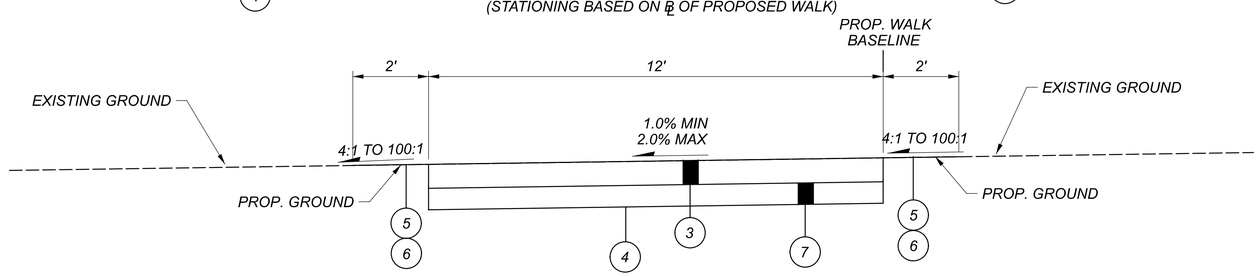
STA. 9+16.03 TO STA. 12+55.53
STA. 13+06.62 TO STA. 16+00.74
(STATIONING BASED ON ℄ OF PROPOSED WALK)



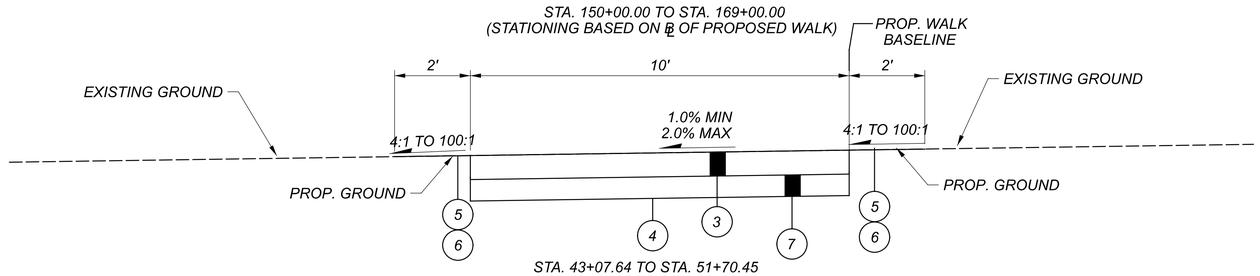
STA. 16+00.74 TO STA. 26+57.48
STA. 38+55.20 TO STA. 39+85.31
STA. 40+66.69 TO STA. 42+99.81
(STATIONING BASED ON ℄ OF PROPOSED WALK)



STA. 27+13.28 TO STA. 32+03.91
STA. 34+50.50 TO STA. 37+90.25
(STATIONING BASED ON ℄ OF PROPOSED WALK)



STA. 150+00.00 TO STA. 169+00.00
(STATIONING BASED ON ℄ OF PROPOSED WALK)



STA. 43+07.64 TO STA. 51+70.45
STA. 80+05.06 TO STA. 81+62.22
STA. 102+32.92 TO STA. 105+10.97
STA. 108+13.87 TO STA. 108+50.76
(STATIONING BASED ON ℄ OF PROPOSED WALK)

LEGEND:

1. EXISTING PAVEMENT
2. EXISTING CURB
3. ITEM 608 - 4" CONCRETE WALK, AS PER PLAN
4. ITEM 204 - SUBGRADE COMPACTION, AS PER PLAN
5. ITEM 659 - SEEDING AND MULCHING
6. ITEM 659 - TOPSOIL
7. 4" COMPACTED 411 AGGREGATE BASE, AS PER PLAN

TYPICAL SECTIONS

PUT-KALIDA PEDESTRIAN LOOP

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DESIGN AGENCY
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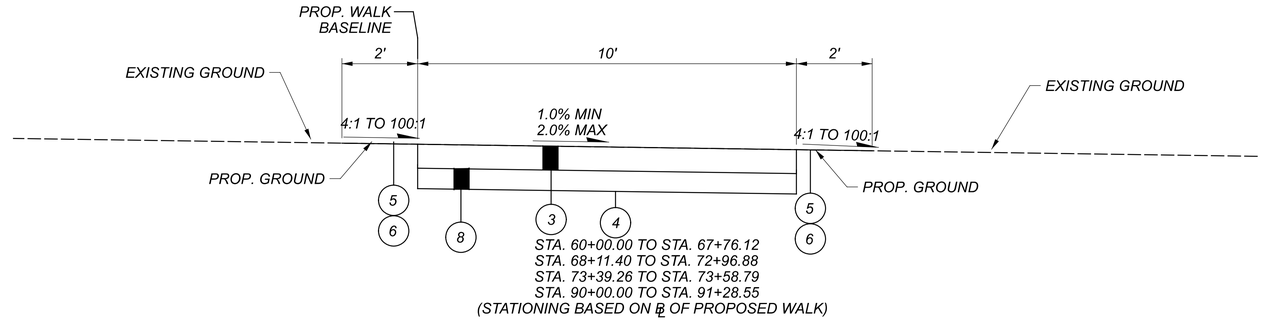
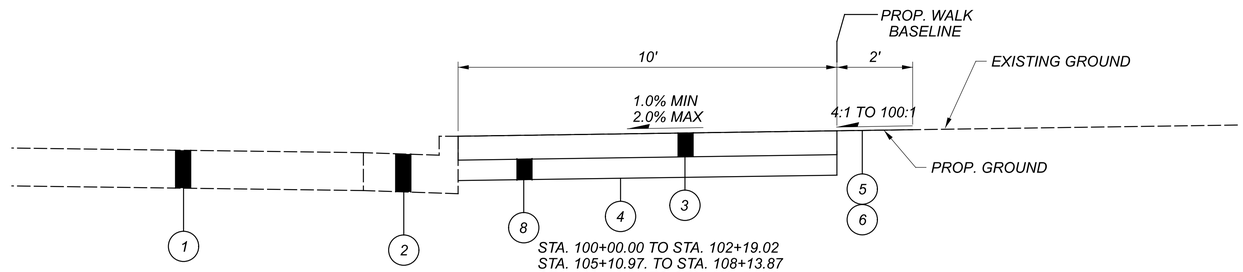
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

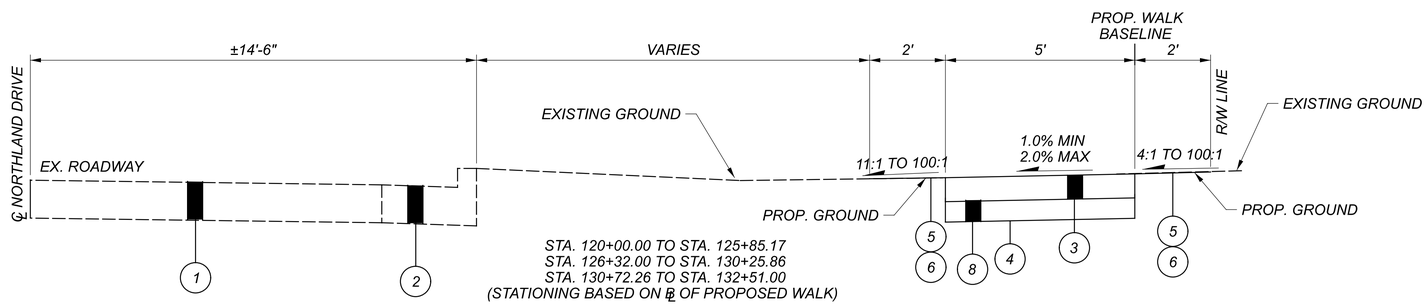
DESIGNER: KMB
REVIEWER: GAB 2-2-26
PROJECT ID: 121886
SHEET: P.10 TOTAL: 144



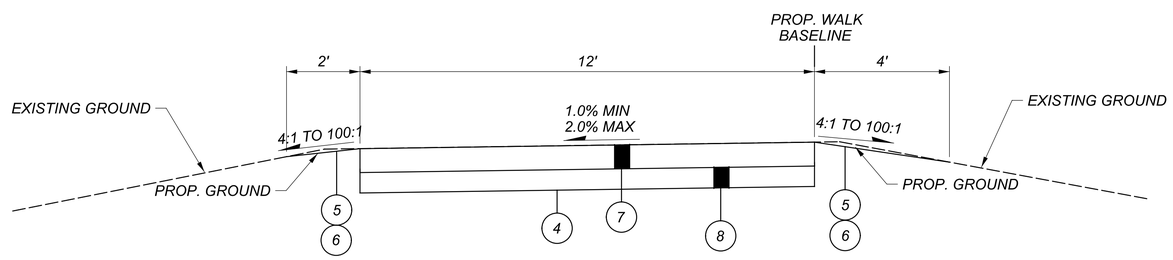
STA. 60+00.00 TO STA. 67+76.12
STA. 68+11.40 TO STA. 72+96.88
STA. 73+39.26 TO STA. 73+58.79
STA. 90+00.00 TO STA. 91+28.55
(STATIONING BASED ON ℄ OF PROPOSED WALK)



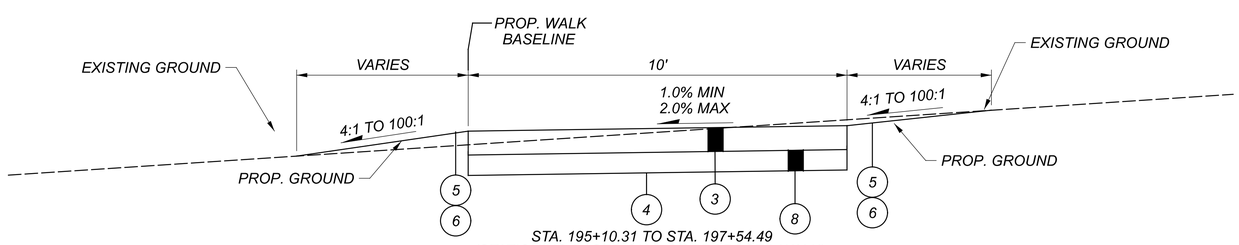
STA. 100+00.00 TO STA. 102+19.02
STA. 105+10.97. TO STA. 108+13.87
STA. 109+59.75 TO STA. 110+54.20
(STATIONING BASED ON ℄ OF PROPOSED WALK)



STA. 120+00.00 TO STA. 125+85.17
STA. 126+32.00 TO STA. 130+25.86
STA. 130+72.26 TO STA. 132+51.00
(STATIONING BASED ON ℄ OF PROPOSED WALK)



STA. 169+00.00 TO STA. 179+65.80
(STATIONING BASED ON ℄ OF PROPOSED WALK)



STA. 195+10.31 TO STA. 197+54.49
(STATIONING BASED ON ℄ OF PROPOSED WALK)

LEGEND:

1. EXISTING PAVEMENT
2. EXISTING CURB
3. ITEM 608 - 4" CONCRETE WALK, AS PER PLAN
4. ITEM 204 - SUBGRADE COMPACTION, AS PER PLAN
5. ITEM 659 - SEEDING AND MULCHING
6. ITEM 659 - TOPSOIL
7. ITEM 451 - 8" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
8. 4" COMPACTED 411 AGGREGATE BASE, AS PER PLAN

TYPICAL SECTIONS

PUT-KALIDA PEDESTRIAN LOOP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 9:11:17 AM USER: kbuss
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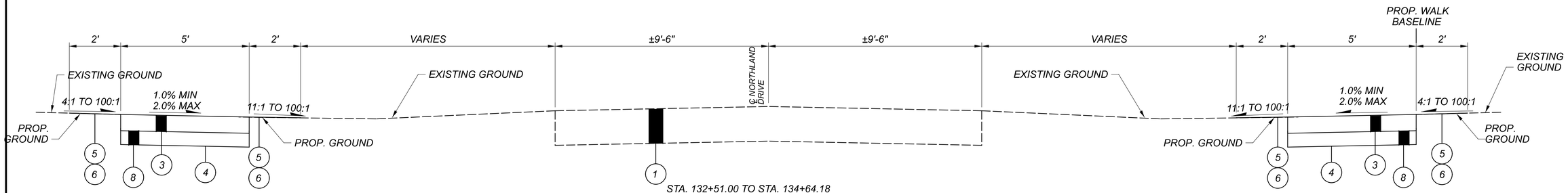
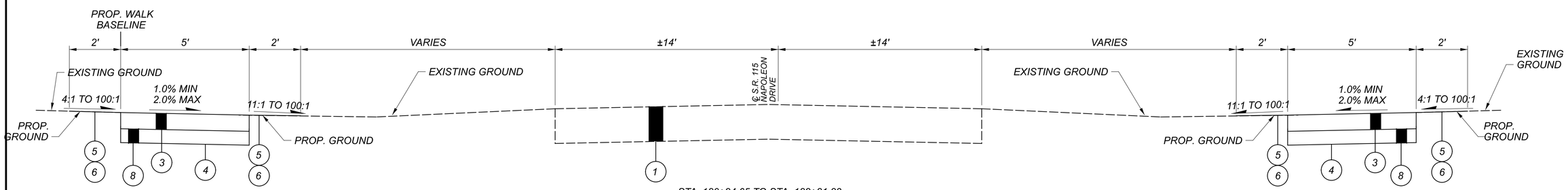
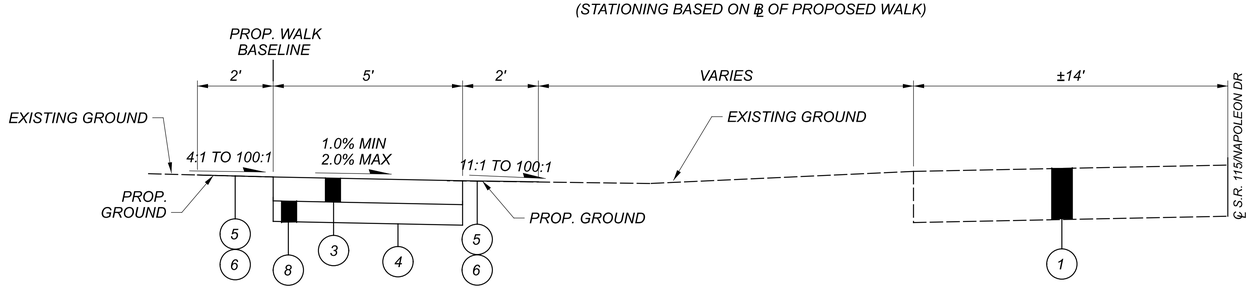
DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886



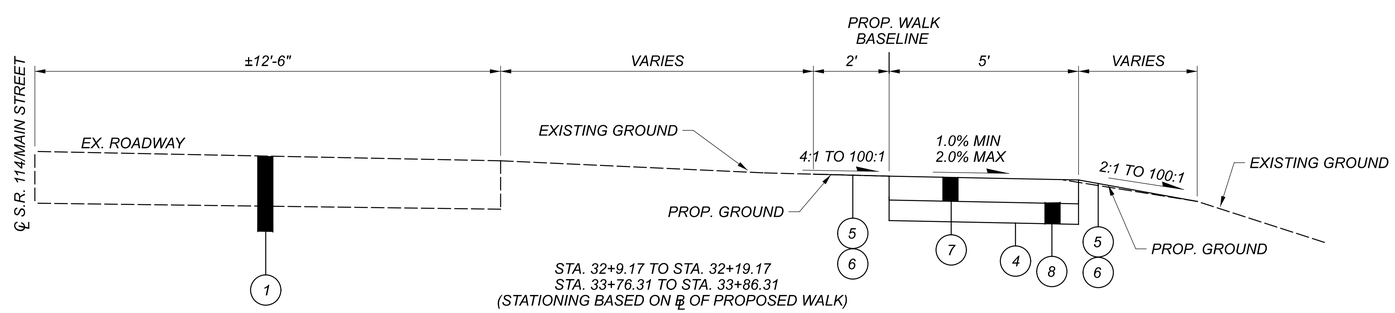
STA. 132+51.00 TO STA. 134+64.18
STA. 135+07.36 TO STA. 138+26.25
STA. 138+67.36 TO STA. 141+86.13
STA. 142+27.01 TO STA. 145+92.18
(STATIONING BASED ON ℄ OF PROPOSED WALK)



STA. 180+24.65 TO STA. 182+81.83
STA. 183+18.31 TO STA. 184+00.20
STA. 184+35.04 TO STA. 185+91.50
STA. 186+50.05 TO STA. 187+71.29
STA. 188+18.18 TO STA. 191+38.00
STA. 191+83.10 TO STA. 194+05.66
(STATIONING BASED ON ℄ OF PROPOSED WALK)



STA. 200+00.00 TO STA. 204+71.45
(STATIONING BASED ON ℄ OF PROPOSED WALK)



STA. 32+9.17 TO STA. 32+19.17
STA. 33+76.31 TO STA. 33+86.31
(STATIONING BASED ON ℄ OF PROPOSED WALK)

LEGEND:

1. EXISTING PAVEMENT
2. EXISTING CURB
3. ITEM 608 - 4" CONCRETE WALK, AS PER PLAN
4. ITEM 204 - SUBGRADE COMPACTION, AS PER PLAN
5. ITEM 659 - SEEDING AND MULCHING
6. ITEM 659 - TOPSOIL
7. ITEM 608 - 6" CONCRETE WALK, AS PER PLAN
8. 4" COMPACTED 411 AGGREGATE BASE, AS PER PLAN

TYPICAL SECTIONS

PUT-KALIDA PEDESTRIAN LOOP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 9:14:57 AM USER: kbuss
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DESIGN AGENCY
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Phone: 419.523.5789

DESIGNER: KMB
REVIEWER: GAB 2-2-26
PROJECT ID: 121886
SHEET: P.12 TOTAL: 144

UTILITIES:

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

TELECOMMUNICATIONS:
KALIDA TELEPHONE COMPANY
121 EAST MAIN STREET
KALIDA, OHIO 45853
ATTN: DAVE HUNT
(419) 532-3218

ELECTRIC:
AEP DISTRIBUTION/PUBLIC WORKS
38831 STATE ROUTE 7
REEDSVILLE, OHIO 45775
ATTN: CLARKE SAUNDERS
(740) 985-3054

GAS:
KNG NATUAL GAS
1700 WESTFIELD DRIVE
FINDLAY, OHIO 45840
ATTN: JEFF ABBOTT
(419) 348-9928

WATER AND UTILITIES:
KALIDA WATER AND UTILITIES
P.O. BOX 495
KALIDA, OHIO 45853
ATTN:
(419) 532-2432

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.

SURVEY PARAMETERS:

SEE SHEET 2/142 OF THE PLANS FOR PROJECT CONTROL INFORMATION.

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

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: 12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011); EPOCH2002
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH
COMBINED SCALE FACTOR: 1.0000896486
ORIGIN OF SCALING: MAGNAIL FOUND AT 487185.782700,1498735.464200

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.

CONSTRUCTION NOISE:

ACTIVITIES AND LAND USE ADJACENT 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 8PM AND 7AM. 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.

CLEARING AND GRUBBING:

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID 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
36"	2	0	2

CONTINGENCY QUANTITIES:

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THE PROJECT.

VEGETATED FILTER STRIP:

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 600 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.

ITEM 670 SLOPE EROSION PROTECTION (01/NFA)	7,984 SY
ITEM 670 SLOPE EROSION PROTECTION (02/STR)	3,378 SY

REVIEW OF DRAINAGE FACILITIES:

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE VILLAGE, REPRESENTATIVES OF THE VILLAGE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE VILLAGE.

REVIEW OF DRAINAGE FACILITIES (CONT.):

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE VILLAGE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

SEEDING AND MULCHING:

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

659, TOPSOIL	1264 CU. YD.
659, SEEDING AND MULCHING	11378 SQ. YD.
659, REPAIR SEEDING AND MULCHING	569 SQ. YD.
659, INTER-SEEDING	569 SQ. YD.
659, COMMERCIAL FERTILIZER	1.59 TON
659, LIME	2.35 ACRE
659, WATER	63 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED 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.

ITEM 630 - SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY PER ODOT STD. DWG TC-87.10. THE FLASHING UNIT SHALL BE SOLAR POWERED, PEDESTRIAN ACTIVIATED, AND 2-SIDED WITH TWO LED ARRAY BASED YELLOW INDICATIONS. MULTIPLE UNITS SHALL BE WIRELESSLY CONTROLLED AND SYNCHRONIZED. THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), PROWAG, AND FHWA INTERIM APPROVAL FOR RRFBS (IA-21).

GENERAL REQUIREMENTS:

POLE, BASE, CABINET, ALL HARDWARE, ETC. ASSOCIATED WITH THE INSTALLATION OF THIS ITEM SHALL BE GALVANIZED WITH BLACK FINISH, PER ODOT SUPPLEMENTAL SPEC 916.

EACH RRFB SHALL CONSIST OF TWO RAPIDLY FLASHED RECTANGULAR-SHAPED YELLOW INDICATIONS HAVING LED ARRAY BASED LIGHT SOURCE.

EACH RRFB SHALL CONTAIN A PEDESTRIAN INDICATION LIGHT VISIBLE BY THE PEDESTRIAN IN THE DIRECTION OF TRAVEL.

FUNCTIONAL REQUIREMENTS:

EACH RRFB SHALL UTILIZE SOLAR POWER.

EACH RRFB SHALL BE ACTIVATED BY ADA/PROWAG COMPLIANT PUSHBUTTONS.

THE RRFB SHALL BE NORMALLY DARK, SHALL INITIATE OPERATION ONLY UPON PEDESTRIAN ACTUATION, AND SHALL CEASE OPERATION AFTER A PREDETERMINED TIME LIMIT (BASED ON OMUTCD PROCEDURES).

EACH REMOTE RRFB SHALL BE WIRELESSLY ACTIVATED.

ALL RRFB LIGHT INDICATIONS SHALL BE WIRELESSLY SYNCHRONIZED (ALL LIGHTS WILL TURN ON WITHIN 120 MSEC AND REMAIN SYNCHROIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE).

THE UNIT SHALL BE CAPABLE OF RUNNING 14 DAYS WITHOUT SUNLIGHT.

MATERIALS:

FURNISH A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS, PUSHBUTTONS, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.). THE RRFB ASSEMBLY INCLUDES THE FOLLOWING ITEMS:

1. RRFB INDICATIONS
   - A. EACH RRFB INDICATION LENDS SHALL BE A MINIMUM SIZE OF APPROXIMATELY 5" WIDE x 2" HIGH.
   - B. THE RRFB INDICATIONS SHALL BE ALIGNED HORIZONTALLY, WITH THE LONGER DIMENSION OF THE INDICATION HORIZONTAL. THERE SHALL BE TWO INDICATIONS ON THE FRONT AND TWO INDICATIONS ON THE BACK.
   - C. EACH RRFB SHALL BE SUPPLIED WITH ALL REQUIRED HARDWARE TO INSTALL ASSEMBLY. ALL EXPOSED HARDWARE SHALL BE ANTI-VANDAL.
   - D. EACH RRFB SHALL BE LOCATED BETWEEN THE BOTTOM OF THE CROSSING WARNING SIGN AND THE TOP OF THE SUPPLEMENTAL DOWNWARD DIAGONAL ARROW PLAQUE.
   - E. THE LIGHT INTENSITY OF THE YELLOW INDICATIONS SHALL MEET THE MINIMUM CLASS 1 SPECIFICATIONS OF SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED JANUARY, 2005.
   - F. TO MINIMIZE EXCESSIVE GLARE DURING NIGHTTIME CONDITIONS, AN AUTOMATIC SIGNAL DIMMING DEVICE SHALL BE USED TO REDUCE THE BRILLIANCE OF THE RRFB INDICATIONS.
   - G. A SMALL LED CONFIRMATION LIGHT DIRECTED AT AND VISIBLE TO PEDESTRIANS IN THE CROSSWALK SHALL BE INSTALLED INTEGRAL TO THE RRFB OR PUSHBUTTON TO GIVE CONFIRMATION THAT THE RRFB IS IN OPERATION.

ITEM 630 - SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY (CONT.)

   - H. THE PEDSTRIAN CONFIRMATION LIGHT SHALL HAVE A MINIMUM AREA OF 0.5 SQUARE INCHES AND BE CONSPICUOUS TO PEDESTRIANS AT ALL DISTANCES FROM THE BEGINNING OF THE CONTROLLED CROSSWALK TO A POINT 10 FEET FROM THE END OF THE CONTROLLED CROSSWALK DURING BOTH DAY AND NIGHT.
2. SIGNS
   - A. ALL SIGN ASSEMBLIES SHALL USE ANTI-VANDAL FASTENERS TO MOUNT COMPONENTS TO SIGN AND SIGN TO FIXTURE.
   - B. PEDESTRIAN PUSHBUTTONS SIGNS SHALL BE PROVIDED AND INCLUDE THE LEGENCE "PUSH BUTTON FOR WARNING LIGHTS | WAIT FOR GAP IN TRAFFIC". SIGNS SHOULD BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.
   - C. TWO SETS OF SIGNS SHALL BE REQUIRED PER UNIT FOR VIEW FROM EACH APPROACH.
   - D. ASSURE SIGN MEETS THE REQUIREMENTS OF C&MS 630.
3. CONTROL CIRCUIT
   - A. THE CONTROL CIRCUIT SHALL HAVE THE CAPABILITY OF INDEPENDENTLY FLASHING UP TO TWO INDEPENDENT OUTPUTS. THE LED LIGHT OUTPUTS AND FLASH PATTERN SHALL BE COMPLETELY PROGRAMMABLE.
   - B. THE CONTROL CIRCUIT SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS.
   - C. THE LEDS SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURE AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.
   - D. ALL FASTENERS USED SHALL BE ANTI-VANDAL.
5. WIRELESS RADIO
   - A. RADIO CONTROL SHALL OPERATE ON A 900 MHZ FREQUENCY HOPPING SPREAD SPECTRUM NETWORK, WI-FI OR APPROVED EQUAL.
   - B. RADIO SHALL INTEGRATE COMMUNICATION OF RRFB CONTROL CIRCUIT TO ACTIVATE SIGN FROM PUSHBUTTON INPUT.
   - C. THE RADIO SHALL BE SYNCHRONIZED SO ALL OF THE REMOTE RRFB LIGHT INDICATIONS WILL TURN ON WITHIN 120 MSEC OF EACH OTHER AND REMAIN SYNCHRONIZED THROUGH-OUT THE DURATION OF THE FLASHING CYCLE.
6. PUSHBUTTON
   - A. PUSHBUTTONS SHALL BE CAPABLE OF CONTINUOUS OPERATION OVER A TEMPERATURE RANGE OF -30 DEGREES F TO +165 DEGREES F.
   - B. PUSHBUTTONS SHALL BE PAINTED BLACK AND ADA/PROWAG COMPLIANT. PUSHBUTTONS SHALL INCIDENTAL TO THE COMPLETE RRFB ASSEMBLY.
7. PEDESTAL SHAFT AND BASE - MOUNT ON A STANDARD 4.5-INCH OD ALUMINUM PEDESTAL POLE WITH A TRANSFORMER BASE PER ODOT SCD HL-10.13 AND TC-87.10. A 15 FOOT POLE SHALL BE PROVIDED AND FIELD ADJUSTED AND CAPPED TO MAINTAIN THE PROPER SIGN MOUNTING HEIGHTS, UNLESS SPECIFIED OTHERWISE IN THE PLANS. THE POLE AND BASE MANUFACTURER SHALL BE LISTED IN ODOT'S QUALIFIED PRODUCTS LIST.

THE RRFB SHALL BE ASSEMBLED AND CONSTRUCTED BY THE CONTRACTOR AS SHOWN AND SPECIFIED ON THE PLANS.

WARRANTY SHALL BE FIVE YEARS FROM THE DATE OF FINAL ACCEPTANCE.

PAYMENT FOR ITEM 630 SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT EACH BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM SPECIAL - MAILBOX REMOVED AND RESET:
ITEM SPECIAL - MAILBOX SUPPORT SYSTEM, SINGLE:

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERICAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS, TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, SINGLE.

GENERAL NOTES

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DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SHEET P.13 TOTAL 144

ADDITIVE ALTERNATES

ADDITIVE ALTERNATES FOR THIS PROJECT ARE PROVIDED AS DESCRIBED BELOW. THE DEPARTMENT HAS A BID BUDGET NOT TO EXCEED $1.8 MILLION FOR THE PUT-KALIDA PEDESTRIAN LOOP (PID 121886) PROJECT AND WILL AWARD THE MAXIMUM AMOUNT OF WORK WITHIN THE BID BUDGET. THE SEGMENTS OF THE PROPOSAL CONSIST OF:

1. BASE BID (BID ITEMS 1 - 69)

2. ADDITIVE ALTERNATE #1 (BID ITEMS 70-77, PRIORITY 1)

3. ADDITIVE ALTERNATE #2 (BID ITMES 78-85, PRIORITY 2)

THE CONTRACTOR COMPLETION DATE MAY BE EXTENDED BASED ON THE INCLUSION OF ADDITIVE ALTERNATES AS DESCRIBED BELOW:

ADDITIVE ALTERNATE NUMBER	PROJECT COMPLETION DATE
BASE BID ITEMS	10/29/2027
ADDITIVE #1	10/29/2027
ADDITIVE #2	10/29/2027

ITEM 625, POWER SERVICE, AS PER PLAN (ADDITIVE ALTERNATE #1)

THE EXISTING 200 AMP SERVICE PANEL IS FED WITH 4/0 ALUMINUM CONDUCTORS FEEDING IT FROM THE AEP PRIMARY. USE SPACES 6 & 8 FOR THE NEW 40 AMP 2 POLE QL BREAKER TO FEED THE NEW LIGHTS FOR ADDITIVE ALTERNATE #1. THERE IS AN EXISTING PHOTO EYE ALREADY INSTALLED FOR THE OTHER LIGHTS THAT ARE FED OFF THE PANEL.

THE NEW CONTACTOR FOR THE NEW LIGHTS CAN BE MOUNTED IN THE SAME BOX AS THE EXISTING CONTACTORS TO THE LEFT OF THE EXISTING CONTACTOR.
THE EXISTING 1 1/4" PVC CONDUIT IS RAN OUT OF THE GROUND JUST BELOW THIS BOX.

THERE IS AN EXISTING SPARE 1 1/4" PVC CONDUIT. IT RUNS APPROXIMATELY 210' EAST THAT WE CAN CONNECT TO FOR THE CIRCUIT.

ITEM 625, POWER SERVICE, AS PER PLAN (ADDITIVE ALTERNATE #2)

IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS AMERICAN ELECTRIC COMPANY.

THE CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY EARLY IN THE PROJECT, TO ARRANGE POWER SERVICE A MINIMUM OF SIX WEEKS PRIOR TO THE ENERGIZATION OF THE POWER SERVICE.

THE ENGINEER SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN THE NAME OF AND THAT THE BILLING ADRESS IS TO THE MAINTAINING AGENCY NOTED IN THE PLANS. THIS SHALL BE DONE NOT ONLY FOR EACH NEW POWER SERVICE ESTABLISHED BY THIS PROJECT BUT ALSO FOR EACH EXISTING POWER SERVICE, SINCE THERE MAY BE A REASSIGNMENT OF THE RESPONSIBILITY FOR AN EXISTING SERVICE AS A RESULT OF THE WORK PERFORMED BY THIS PROJECT.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

GROUNDING AND BONDING

THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS) AND THE HL AND TC SERIES OF STANDARD CONSTRUCTION DRAWINGS ARE MODIFIED AS FOLLOWS:

1. ALL METALLIC PARTS CONTAINING ELECTRICAL CONDUCTORS SHALL BE PERMANENTLY JOINED TO FORM AN EFFECTIVE GROUND FAULT CURRENT PATH BACK TO THE GROUNDED CONDUCTOR IN THE POWER SERVICE DISCONNECT SWITCH. PROVIDE AN EQUIPEMNT GROUNDING CONDUCTOR IN METALLIC CONDUITS. IN ADDITION TO THE CONDUCTORS SPECIFIED AND BOND THE CONDUIT TO THIS GROUNDING CONDUCTOR.

2. CONDUITS.THE 725.04
A. CONDUIT SHALL HAVE GROUNDING BUSHINGS INSTALLED AT ALL TERMINATION POINTS. THE BUSHING MATERIAL SHALL BE COMPATIBLE WITH GALVANIZED STEEL CONDUIT AND THE GROUNDING LUG MATERIAL SHALL BE COMPATIBLE FOR USE WITH COPPER WIRE. THREADED OF COMPESSION TYPE BUSHING MAY BE USED.
B.THE 725.05 CONDUIT SHALL HAVE THE INSIDE AND OUTSIDE DIAMETERS OF TEH CONDUIT DEBURRED AT ALL TERMINATION POINTS.
C. BOTH ENDS OF METALLIC CONDUIT SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.
D. METALLIC CONDUIT MAY BE BONDED TO METALLIC BOXES THROUGH THE USE OF CONDUIT FITTINGS UL APPROVED FOR THIS TYPE OF CONNECTION, WITH THE BOX BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

3. WIRE FOR GROUNDING AND BONDING
A. USE INSULLATED, COPPER WIRE FOR THE EQUIPMENT GROUNDING CONDUCTOR. BONDING JUMPERS IN BOXES AND ENCLOSURES MAY BE BARE OF INSULATED COPPER WIRE.
WIRE SIZE SHALL BE AS FOLLOWS:
i. USE 4 AWG BETWEEN THE POWER SERVICE AND SUPPORTS, POLES, PEDESTALS, CONTROLLER OR FLASHER CABINETS.
ii. THE INSULATION SHALL BE GREEN OR GREEN WITH YELLOW STRIPE(S). FOR 4 AWG OR LARGER, INSULATION MAY ALSO BE BLACK WITH GREEN TAPE.LABELS INSTALLED AT ALL ACCESS POINTS.
B. IN A HIGHWAY LIGHTING SYSTEM, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE THE SAME SIZE AS THE DUCT CABLE OR DISTRIBUTION CABLE CIRCUIT CONDUCTORS, WITH THE MINIMUM CONDUCTOR SIZE OF 4 AWG. BONDING JUMPERS WILL BE MINIMUM SIZE 4 AWG.

GROUNDING AND BONDING (CONTINUED):

4. GROUND ROD
A. A 3/4 INCH SCHEDULE 40 PVC CONDUIT WILL BE USED IN FOUNDATIONS AND CONCRETE WALLS FOR THE GROUNDING CONDUCTOR (GROUND WIRE) RACEWAY TO THE GROUND ROD. SHOULD METALLIC CONDUIT BE USED, BOTH ENDS OF THE CONDUIT SHALL BE BONDED TO THE GROUNDING CONDUCTOR.
B. THE TYPICAL GROUNDING CONDUCTOR (GROUND WIRE) SHALL BE 4 AWG INSULATED, COPPER.

5. PAYMENT. ALL MATERIALS AND WORK REQUIRED TO COMPLETE THE EFFECTIVE GROUND FAULT CURRENT PATH SYSTEM ARE INCIDENTAL TO THE CONDUCTORS INSTALLED. IN A 3-WIRE HIGHWAY LIGHTING SYSTEM, THE NEUTRAL CONDUCTOR OF THE DISTRIUTION CABLE WILL BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR AND MAY AS SUCH BE PART OF THE CABLE BID ITEM.

ITEM 625 - CONNECTION, FUSED FULL APART, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S SPECIFICATIONS 625.18 AND 725.15, THE FOLLOWING REQUIREMENTS SHALL APPLY:

THE CONTRACTOR SHALL SUPPLY A 10 AMP FUSE FOR THE LUMINAIRES AND A 6 AMP FUSE FOR THE OUTLETS.

PAYMENT FOR ITEM 625 CONNECTION, FUSED PULL APART, AS PER PLAN, FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE AT THE CONTRACT EACH BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 625 - LIGHT POLE, AESTHETIC, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIALS SPECIFICATIONS, LIGHT POLES SHALL BE:

STERNBERG 2A-D650-5P-VCOB-4L30TS-MDL05-A/50PM/3912T4-.125-BCC-GFILPIUC/BK, OR EQUAL AS APPROVED BY THE ENGINEER.

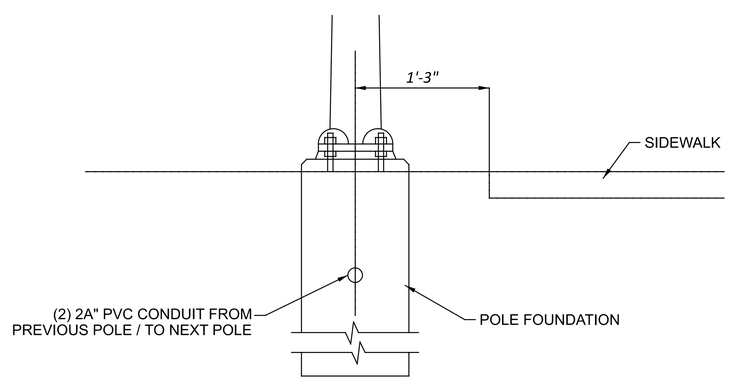
PAYMENT WILL BE MADE AT THE UNIT PRICE BID UNDER CMS ITEM 625, LIGHT POLE, AESTHETIC, AS PER PLAN, WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INDIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 625 - LIGHT POLE, MISC.: BOLLARD LIGHT, AS PER PLAN

BOLLARD LIGHTS SHALL BE:

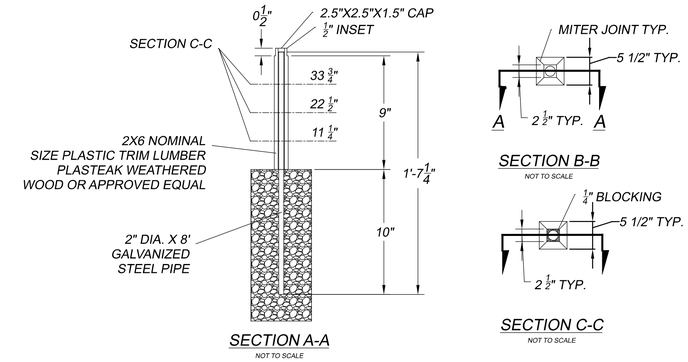
WISCONSIN LIGHTING LAB 20W, 42" RDB BOLLARD LED LIGHT FIXTURE, 3000 LUMENS, 5000 K, 120-277V INPUT VAC, TYPE V ROUND W/ CLEAR LENS DISTRIBUTION, DARK BRONZE FINISH (LP-RDB-42-20-50-MV-5C), OR EQUAL AS APPROVED BY THE ENGINEER.

PAYMENT WILL BE MADE AT THE UNIT PRICE BID UNDER CMS ITEM 625, LIGHT POLE, MISC.: BOLLARD LIGHT, AS PER PLAN, WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INDIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.



TYPICAL INSTALLATION DETAIL

(N.T.S)



TRAIL DIRECTIONAL SIGN DETAIL

NORTHLAND DRIVE RECONSTRUCTION PROJECT COORDINATION:

DURING THE SUMMER AND EARLY FALL OF 2026, THE EASTERN MOST APPROXIMATE 1,200 FEET OF NORTHLAND DRIVE WILL BE RECONSTRUCTED WHICH WILL INCLUDE WIDENING AND ADDING CURBING.

THE PEDESTRIAN LOOP CONTRACTOR WILL BE REQUIRED TO COORDINATE THE SIDEWALK AND CURB RAMP INSTALLATION IN THIS AREA WITH THE NORTHLAND DRIVE PROJECT. THIS INCLUDES INSTALLING THE NEW SIDEWALKS AND CURB RAMPS ALONG THE NEW ROAD RECONSTRUCTION PROJECT AFTER THE NEW CURBING IS INSTALLED.

ENVIRONMENTAL COMMITMENTS:

1. THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY ENDANGERED INDIANA BAT AND NORTHERN LONG-EARED BAT, AND THE STATE ENDANGERED LITTLE BROWN AND TRICOLORED BATS. 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 AND ORC 1531.25. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

2. ACCESS TO FROGGY PARK/FOUR SEASONS PARK SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES VIA FLAGGING OPERATIONS AND/OR APPROVED DETOUR.

3. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED ALONG PROPOSED CONSTRUCTION LIMITS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO PROTECT THE EXISTING SECTION 4(F) PROPERTIES AND THE PUBLIC.

4. APPROPRIATE SIGNAGE SHALL BE INSTALLED TO ALERT USERS OF FROGGY PARK AND FOUR SEASONS PART OF CONSTRUCTION ACTIVIES, ACCESS RESTRICTIONS OR CLOSURES, AND TO DIRECT USERS TO SECONDARY ACCESS POINTS.

5. THE CONTRACTOR SHALL BE REQUIRED TO CLOSELY COORDINATE THE CONSTRUCTION SCHEDULE WITH ODOT, THE VILLAGE OF KALIDA, AND MRS. BRITTNEY MORRISON (brittney_trentman@icloud.com) PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

6. TREES PROPOSED FOR REMOVAL WILL BE MARKED BY THE DESIGN/SURVEY TEAM PRIOR TO CONSTRUCTION. TREE CUTTING WILL BE LIMITED TO WHICH IS NECESSARY TO INSTALL THE PATH AND WILL NOT EXPAND BEYOND THOSE THAT ARE MARKED FOR REMOVAL.

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DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SHEET P.14 TOTAL 144

ITEM 608 WALKS, CURB RAMPS, AND STEPS, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S SPECIFICATIONS 608, THE FOLLOWING REQUIREMENT SHALL ALSO APPLY:

ONE-HALF (1/2) INCH EXPANSION JOINT TO BE INSTALLED WHERE SIDEWALK AND/OR DRIVES ABUT CURBS.

CONCRETE WALKS, DRIVES, AND CURB RAMPS SHALL BE REINFORCED AND DOWELED INTO THE PROPOSED CURBS.
TO CLARIFY, THIS APPLIES TO SIDEWALKS, DRIVE APRONS, AND CURB RAMPS. THE REINFORCING STEEL SHALL BE A #4 REBAR MAT IN THE CENTER OF THE CAST-IN-PLACE SLAB. A MAXIMUM 4-FOOT ON CENTER AND ALSO THE DOWELS SHALL BE AT A MAXIMUM FOUR (4) FOOT SPACING. A MINIMUM OF TWO (2) DOWELS SHALL BE USED AT EACH LOCATION. THE DOWELS SHALL BE #4 REBAR AND DRILLED INTO THE CURB, SIDEWALK, DRIVE, ETC. SAID DOWEL HOLES SHALL BE THREE-FOURTHS (3/4) INCH IN DIAMETER TO ALL FOR HORIZONTAL MOVEMENT.

ALL WALK SHALL AT A MINIMUM HAVE TWO (2) LONGITDUAL #4 REBAR RUNNING CONTINOUSLY WITH THE LENGTH OF THE WALK. SPLICES SHALL BE A MINIMUM OF EIGHTEEN (18) INCHES. INSTALL THE LONGITUDINAL REBAR SIX (6) INCHES FROM EACH OUTSIDE EDGE OF THE WALK. WALK WIDER THAN FIVE (5) FEET SHALL HAVE AN ADDITIONAL LONGITUDINAL REBAR. MAXIMUM SPACING FOR LONGITUDINAL REBAR SHALL NOT EXCEED FOUR (4) FEET.

TRANSVERSE REBAR SHALL BE #4 IN SIZE AND SPACING SHALL NOT EXCEED FOUR (4) FEET. INSTALL TRANSVERSE REBAR TO AVOID THE APPROXIMATELY FIVE (5) FOOT TRANSVERSE JOINTS EITHER SAW CUT, TROWELED OR FORMED. MINIMUM CLEARANCE FROM THE TRANSVERSE JOINT SHALL BE FIVE (5) INCHES.

PAYMENT WILL BE MADE AT UNIT PRICE UNDER CMS ITEM 608, WALK, CURB RAMPS, AND STEPS, AS PER PLAN, WHICH SHALL BE FULL COMPENSATION FOR ALL EXCAVATION, LABOR, 204 SUBGRADE COMPACTION, MATERIAL (FOUR (4) INCHES OF COMPACTED 411 AGGREGATE BASE, QC1 CONCRETE, REBAR, AND CURING COMPOUND, ETC.) AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 451 6"REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S SPECIFICATIONS 451, THE FOLLOWING REQUIREMENT SHALL ALSO APPLY.

ONE-HALF (1/2) INCH EXPANSION JOINT TO BE INSTALLED WHERE REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT ABUTS SIDEWALK AND/OR CURBS.

REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE DOWELED INTO THE PROPOSED CURBS AND/OR WALK THAT ABUTS REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
TO CLARIFY, THIS APPLIES TO WALK, DRIVE APRONS, AND CURB RAMPS. THE DOWELS SHALL BE AT A MAXIMUM FOUR (4) FOOT SPACING. A MINIMUM OF TWO (2) DOWELS SHALL BE USED AT EACH LOCATION. THE DOWELS SHALL BE #4 REBAR AND DRILLED INTO THE CURB, SIDEWALK, DRIVE, ETC. SAID DOWEL HOLES SHALL BE THREE-FOURTHS (3/4) INCH IN DIAMETER TO ALL FOR HORIZONTAL MOVEMENT.

WHERE REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT ABUTS ASPHALT PAVEMENT, THE REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT EDGE SHALL BE HELD IN A STRIAGHT ALINGMENT WITH THE ASPHALT AND ANY ASPHALT EDGE THAT IS BROKEN, LOOSED, DETERIORATED AND IRREGULARLY SHAPED ALONG THE REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT EDGE SHALL BE REPAIRED PER ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR.

PAYMENT WILL BE MADE AT UNIT PRICE UNDER CMS ITEM 451, REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, AS PER PLAN, WHICH SHALL BE FULL COMPENSATION FOR ALL EXCAVATION, LABOR, ITEM 204-SUBGRADE COMPACTION, MATERIAL (FOUR (4) INCHES OF COMPACTED 411 AGGREGATE BASE, QC1 CONCRETE, REBAR, AND CURING COMPOUND, ETC.), ITEM 251-PARTIAL DEPTH PAVEMENT REPAIR AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 451 8" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S SPECIFICATIONS 451, THE FOLLOWING REQUIREMENT SHALL ALSO APPLY.

ONE-HALF (1/2) INCH EXPANSION JOINT TO BE INSTALLED WHERE REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT ABUTS SIDEWALK AND/OR CURBS.

REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT SHALL BE DOWELED INTO THE PROPOSED CURBS AND/OR WALK THAT ABUTS REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
TO CLARIFY, THIS APPLIES TO WALK, DRIVE APRONS, AND CURB RAMPS. THE DOWELS SHALL BE AT A MAXIMUM FOUR (4) FOOT SPACING. A MINIMUM OF TWO (2) DOWELS SHALL BE USED AT EACH LOCATION. THE DOWELS SHALL BE #4 REBAR AND DRILLED INTO THE CURB, SIDEWALK, DRIVE, ETC. SAID DOWEL HOLES SHALL BE THREE-FOURTHS (3/4) INCH IN DIAMETER TO ALL FOR HORIZONTAL MOVEMENT.

WHERE REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT ABUTS ASPHALT PAVEMENT, THE REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT EDGE SHALL BE HELD IN A STRIAGHT ALINGMENT WITH THE ASPHALT AND ANY ASPHALT EDGE THAT IS BROKEN, LOOSED, DETERIORATED AND IRREGULARLY SHAPED ALONG THE REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT EDGE SHALL BE REPAIRED PER ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR.

PAYMENT WILL BE MADE AT UNIT PRICE UNDER CMS ITEM 451, REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, AS PER PLAN, WHICH SHALL BE FULL COMPENSATION FOR ALL EXCAVATION, LABOR, ITEM 204-SUBGRADE COMPACTION, MATERIAL (FOUR (4) INCHES OF COMPACTED 411 AGGREGATE BASE, QC1 CONCRETE, REBAR, AND CURING COMPOUND, ETC.), ITEM 251-PARTIAL DEPTH PAVEMENT REPAIR AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 614 - MAINTAINING TRAFFIC

TWO-WAY VEHICULAR TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. ONE LANE WILL BE PERMITTED TO BE CLOSED IN ACCORDANCE WITH SCD MT-95.30 DURING WORKING HOURS AND AT THE DIRECTION OF THE ENGINEER. TWO WAY TRAFFIC SHALL BE RESTORED AT THE COMPLETION OF WORK EACH DAY. ONE-LANE FLAGGING OPERATIONS IN ACCORDANCE WITH SCD MT-97.10 WILL BE PERMITTED AS NECESSARY AT INTERSECTIONS. WHEN NO WORK ACTIVITY IS BEING PERFORMED, A MINIMUM OF TWO 10-FOOT TRAVEL LANES (ONE IN EACH DIRECTION) SHALL BE PROVIDED WITH ONE-FOOT SHOULDERS ADJACENT TO CURB OR DRUMS.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OF RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN.

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.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

01/NFA: ITEM 616, WATER	3.0 M. GAL
02/STR: ITEM 616, WATER	2.0 M. GAL

MAINTENANCE OF DRAINAGE PATHWAYS

THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE PATHWAYS AT ALL TIMES DURING CONSTRUCTION. DRAINAGE PATHWAYS CAN BE MAINTAINED BY USE OF EXISTING, TEMPORARY, AND/OR PERMANENT DRAINAGE FEATURES. COST TO MAINTAIN DRAINAGE PATHWAYS IS TO BE INCLUDED IN THE LUMP SUM ITEM 614 - MAINTAINING TRAFFIC.

MAINTAINING PEDESTRIAN TRAFFIC

ON ROADWAYS WITH SIDEWALKS ON BOTH SIDES OF THE ROAD OR PLANNED TO BE INSTALLED ON BOTH SIDES OF THE ROAD AS PART OF THIS PROJECT THE CONTRACTOR IS REQUIRED TO MAINTAIN PEDESTRIAN TRAFFIC ON AT LEAST ONE SIDE OF THE ROADWAY AT ALL TIMES.

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DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886

SHEET NUMBER											PART.		ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	13	15	18	19	20	21	22	23	136		01/NFA	02/STR	(X)		EXT	TOTAL			
																		ROADWAY	
	LS										LS	LS		201	11000	LS		CLEARING AND GRUBBING	
			2	363	30						2	393		202	23000	395	SY	PAVEMENT REMOVED	
			16,781	6,019							11,182	11,618		202	30000	22,800	SF	WALK REMOVED	
			76									76		202	32000	76	FT	CURB REMOVED	
					7						2	5		202	58100	7	EACH	CATCH BASIN REMOVED	
								1,987			1,365	622		203	10000	1,987	CY	EXCAVATION	
								1,066			342	724		203	20000	1,066	CY	EMBANKMENT	
			95,017	14,993							78,964	31,046		608	10001	110,010	SF	4" CONCRETE WALK, AS PER PLAN	
				994							701	293		608	52000	994	SF	CURB RAMP	
				361							241	120		608	53020	361	SF	DETECTABLE WARNING	
LS											LS	LS		623	50000	LS		PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
LS											LS	LS		623	51000	LS		POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
					2							2		SPECIAL	69050350	2	EACH	MAILBOX REMOVED AND RESET	
				3								3		SPECIAL	69098000	3	EACH	BOLLARD REMOVED & RELOCATED	
																		EROSION CONTROL	
				36								36		601	32204	36	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	
							1,264				770	494		659	00300	1,264	CY	TOPSOIL	
								11,378			6,931	4,447		659	10000	11,378	SY	SEEDING AND MULCHING	
							569				347	222		659	14000	569	SY	REPAIR SEEDING AND MULCHING	
							569				347	222		659	15000	569	SY	INTER-SEEDING	
							1.59				0.97	0.62		659	20000	1.59	TON	COMMERCIAL FERTILIZER	
							2.35				1.43	0.92		659	31000	2.35	ACRE	LIME	
							63				38	25		659	35000	63	MGAL	WATER	
								11,037			7,984	3,053		670	00200	11,037	SY	VEGETATED SWALE EROSION PROTECTION	
LS											LS	LS		832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
LS											LS	LS		832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
LS											LS	LS		832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
8,000											4,000	4,000		832	30000	8,000	EACH	EROSION CONTROL	
																		DRAINAGE	
					234						130	104		611	01800	234	FT	8" CONDUIT, TYPE B, PVC	
					1,057						1,057			611	02000	1,057	FT	8" CONDUIT, TYPE C, PVC	
					7						2	5		611	98690	7	EACH	CATCH BASIN, MISC.:REUSE EXISTING CATCH BASIN	
					11						8	3		611	98690	11	EACH	CATCH BASIN, MISC.:KALIDA STANDARD TYPE 1	
					2						1	1		611	98630	2	EACH	CATCH BASIN ADJUSTED TO GRADE	
					5						5			611	99654	5	EACH	MANHOLE ADJUSTED TO GRADE	
					2						2			611	99900	2	EACH	DRAINAGE STRUCTURE, MISC.:RELOCATE 6" DRAIN	
																		PAVEMENT	
				325	830						800	355		451	10011	1,155	SY	6" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	
				1,400							1,400			451	13011	1,400	SY	8" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN	
				33								33		609	12001	33	FT	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	
																		WATER WORK	
							3				2	1		638	10300	3	EACH	FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE	
							1					1		638	10500	1	EACH	FIRE HYDRANT REMOVED AND RESET, RELOCATED	
							15				9	6		638	10800	15	EACH	VALVE BOX ADJUSTED TO GRADE	
																		TRAFFIC CONTROL	
						1					1			630	84900	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
						13					8	5		630	85100	13	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
						4						4		630	97700	4	EACH	SIGNING, MISC.:SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY	
						22					21	1		630	97700	22	EACH	SIGNING, MISC.:TRAIL DIRECTIONAL SIGN	
						4						4		632	64020	4	EACH	PEDESTAL FOUNDATION	
						393	53				389	57		644	00620	446	FT	CROSSWALK LINE, 12"	
						78						78		644	00630	78	FT	CROSSWALK LINE, 24"	
																		OTHER UTILITIES	
							7				2	5		SPECIAL	61199700	7	EACH	GAS VALVE BOX ADJUSTED TO GRADE	
																		MISCELLANEOUS STRUCTURE (KALIDA PEDESTRIAN BRIDGE)	
									LS			LS		503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
									LS			LS		503	21301	LS		UNCLASSIFIED EXCAVATION, AS PER PLAN	

GENERAL SUMMARY

PUT-KALIDA PEDESTRIAN LOOP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 1:49:56 PM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GG001.dgn

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SHEET P.16 TOTAL 144

SHEET NUMBER											PART.		ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	15	21	136								01/NFA	02/STR	(X)		EXT	TOTAL			
			150									150		507	00101	150	FT	STEEL PILES HP10X42, FURNISHED, AS PER PLAN	
			120									120		507	92201	120	FT	PREBORED HOLES, AS PER PLAN	
			5,219									5,219		509	10001	5,219	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	
			18									18		511	46510	18	CY	CLASS QC1 CONCRETE, FOOTING	
			34									34		511	44110	34	CY	CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING	
			19									19		511	32210	19	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE	
			35									35		512	10100	35	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
			LS									LS		513	95020	LS		STRUCTURAL STEEL, MISC.:WEATHERING STEEL PREFABRICATED PEDESTRIAN BRIDGE INCLUDING ANCHORS (INCLUDES ST	
			22									22		516	10000	22	FT	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL*(705.11)	
			2									2		516	13600	2	SF	1" PREFORMED EXPANSION JOINT FILLER	
			2									2		517	76302	2	EACH	RAILING, MISC.:SAFETY HANDRAIL ON RETURN WINGWALL, AS PER PLAN	
			46									46		518	39800	46	FT	4" PERFORATED CORRUGATED PLASTIC PIPE	
			30									30		518	39900	30	FT	4" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
			LS									LS		518	21230	LS		POROUS BACKFILL WITH GEOTEXTILE FABRIC	
			210									210		608	13001	210	SF	6" CONCRETE WALK, AS PER PLAN	
			2									2		SPECIAL	69050610	2	EACH	BOLLARD, HINGED, AS PER PLAN	
			2									2		SPECIAL	69098000	2	EACH	STAINLESS STEEL DRIP EDGE ON ABUTMENTS, AS PER PLAN	
			LS									LS		SPECIAL	69012160	LS		TESTING	
																		MAINTENANCE OF TRAFFIC	
	5										3	2		616	10000	5	MGAL	WATER	
																		INCIDENTALS	
LS											LS	LS		614	11000	LS		MAINTAINING TRAFFIC	
LS											LS	LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
LS											LS	LS		624	10000	LS		MOBILIZATION	
																		ADDITIVE ALTERNATE #1: S.R. 115 LIGHTING	
		7										7	X	625	00450	7	EACH	CONNECTION, FUSED PULL APART	
		7										7	X	625	10481	7	EACH	LIGHT POLE, AESTHETIC, AS PER PLAN, STERNBURG	
		7										7	X	625	14100	7	EACH	LIGHT POLE FOUNDATION, 24" X 8' DEEP	
		1,450										1,450	X	625	25906	1,450	FT	CONDUIT, JACKED OR DRILLED, 725.051, 1 1/4"	
		1,660										1,660	X	625	23304	1,660	FT	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	
		1										1		625	34001	1	EACH	POWER SERVICE, AS PER PLAN	
LS												LS	X	614	11000	LS		MAINTAINING TRAFFIC	
LS												LS	X	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
LS												LS	X	624	10000	LS		MOBILIZATION	
																		ADDITIVE ALTERNATE #2: BOLLARD LIGHTING	
		57									57		X	625	00450	57	EACH	CONNECTION, FUSED PULL APART	
		57									57		X	625	10500	57	EACH	LIGHT POLE, MISC.:BOLLARD LIGHTS	
		2,880									2,880		X	625	23304	2,880	FT	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	
		2,880									2,880		X	625	25204	2,880	FT	CONDUIT, 1-1/4", 725.051	
		2,880									2,880		X	625	29002	2,880	FT	TRENCH, 24" DEEP	
		1									1		X	625	34001	1	EACH	POWER SERVICE, AS PER PLAN	
		1									1		X	625	34450	1	EACH	CONTROL CENTER CABINET, COMPLETE	
LS											LS		X	614	11000	LS		MAINTAINING TRAFFIC	
LS											LS		X	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
LS											LS		X	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

PUT-KALIDA PEDESTRIAN LOOP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 12:40:07 PM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GG002.dgn

DESIGN AGENCY
Bockrath & Associates
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115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886

REF. NO.	SHEET NO.	STATION TO STATION		SIDE	PARTICIPATION	ROADWAY									EROSION CONTROL		DRAINAGE						PAVEMENT		
						202				608				690	601		611						451	452	609
						WALK REMOVED	PAVEMENT REMOVED	CURB REMOVED	CATCH BASIN REMOVED	4" CONCRETE WALK	6" CONCRETE WALK	CURB RAMP	DETECTABLE WARNING	SPECIAL - MAILBOX REMOVED AND RESET	ROCK CHANNEL PROTECTION TYPE C WITH GEOT3EXTILE FABRIC		8" CONDUIT, TYPE B	8" CONDUIT, TYPE C	CATCH BASIN, MISC.: KALIDA STANDARD TYPE 1	CATCH BASIN, MISC.: REUSE EXISTING CATCH BASIN	CATCH BASIN ADJUSTED TO GRADE	MANHOLE ADJUSTED TO GRADE	8" REINFORCED CONCRET PAVEMENT, CLASS QC 1P	6" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
						SQ FT	SQ YD	FT	EACH	SQ FT	SQ FT	SQ FT	SQ FT	EACH	CU YD		FT	FT	EACH	EACH	EACH	EACH	SY	SY	FT
R1	31	37+70	37+90	LT/RT	02/STR	77																			
R2	35	60+28	60+34	RT	01/NFA		2																		
R3	60	204+66	204+71	RT	02/STR	32																			
R4	31	39+62	40+00	LT	02/STR			38																	
R5	32	40+48	40+83	LT	02/STR			38																	
SW1	25	9+51	9+66	LT	01/NFA	69				58															
SW2	25	9+40	12+64	LT/RT	01/NFA	1138				1417															
SW3	26	12+99	13+78	LT/RT	01/NFA	390				445															
SW4	26	14+01	15+00	LT	01/NFA	349				463															
SW5	26	15+37	16+01	LT	01/NFA	314				391															
SW6	27	16+01	19+35	LT	02/STR	1608				1775															
SW7	27	19+56	19+17	LT	02/STR	41				58															
SW8	27	19+38	19+99	LT	02/STR	41				56															
SW9	27/28	20+19	21+13	LT	02/STR	356				472															
SW10	28	21+43	22+57	LT	02/STR	436				571															
SW11	28	22+94	23+62	LT	02/STR	262				338															
SW12	28	23+86	24+30	LT	02/STR	171				219															
SW13	28/29	24+53	26+57	LT	02/STR	83				1020															
SW14	29/30	27+13	32+66	LT/RT	02/STR					2912															
SW15	30/31	33+88	37+90	LT/RT	02/STR					2142															
SW16	31	38+55	39+85	LT	02/STR	559				651															
SW17	32	40+67	43+00	LT	02/STR					1166															
SW18	33/34	43+00	51+96	LT	01/NFA					8985															
SW19	35/36	60+00	67+74	RT	01/NFA					8325															
SW20	36/37	68+08	72+93	RT	01/NFA					4924															
SW21	37	73+36	73+55	RT	01/NFA					273															
SW22	38	80+00	81+65	LT	01/NFA					1630															
SW23	39	90+00	91+32	RT	01/NFA					1320															
SW24	40/41	100+00	108+48	LT/RT	01/NFA					9482															
SW25	42	109+60	110+87	LT	01/NFA					1075															
SW26	43/44	120+00	125+83	LT	01/NFA					2910															
SW27	44/45	126+30	130+28	LT	01/NFA					1991															
SW28	45/46	130+70	134+64	LT	01/NFA	709				1974															
SW29	45	132+43	133+18	LT	01/NFA	284				356															
SW30	45/46	133+36	134+72	LT	01/NFA	536				680															
SW31	46	134+90	136+70	LT	01/NFA	705				899															
SW32	46	135+07	138+26	LT	01/NFA	1322				1596															
SW33	46	136+94	138+44	LT	01/NFA	597				749															
SW34	46/47	138+67	139+56	LT	01/NFA	362				448															
SW35	46/47	138+67	141+86	LT	01/NFA	1317				1593															
SW36	47	139+68	139+93	LT	01/NFA	97				124															
SW37	47	140+19	144+14	LT	01/NFA	1559				1964															
SW38	47	142+27	142+74	LT	01/NFA	206				233															
SW39	47	143+03	144+00	LT	01/NFA					480															
SW40	48	144+37	145+50	LT	01/NFA	445				566															
SW41	48	144+51	146+08	LT	01/NFA	608				824															
SW42	48	145+62	145+99	LT	01/NFA	175				184															
SW43	49-53	150+21	169+00	LT	01/NFA					22605															
SW44	56	179+84	182+82	RT	02/STR					1536															
SW45	56	180+28	180+62	RT	02/STR	92				162															
SW46	56	180+79	182+14	RT	02/STR	537				680															
SW47	56/57	182+36	186+14	RT	02/STR	1304				1885															
SW48	56	183+18	184+00	RT	02/STR					410															
TOTALS CARRIED TO GENERAL SUMMARY						**16781**	**2**	**76**	**0**	**95017**	**0**	**0**	**0**	**0**	**0**		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

SUBSUMMARIES

PUT-KALIDA PEDESTRIAN LOOP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/2/2026 TIME: 9:07:06 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GS001.dgn

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SHEET P.18 TOTAL 144

REF. NO.	SHEET NO.	STATION TO STATION		SIDE	PARTICIPATION	ROADWAY										EROSION CONTROL		DRAINAGE						PAVEMENT		
						202				608				690		601		611						451	452	609
						WALK REMOVED	PAVEMENT REMOVED	CURB REMOVED	CATCH BASIN REMOVED	4" CONCRETE WALK	6" CONCRETE WALK	CURB RAMP	DETECTABLE WARNING	SPECIAL - MAILBOX REMOVED AND RESET	SPECIAL - BOLLARD REMOVED AND RELOCATED	ROCK CHANNEL PROTECTION TYPE C WITH GEOT3EXTILE FABRIC		8" CONDUIT, TYPE B	8" CONDUIT, TYPE C	CATCH BASIN, MISC.: KALIDA STANDARD TYPE 1	CATCH BASIN, MISC.: REUSE EXISTING CATCH BASIN	CATCH BASIN ADJUSTED TO GRADE	MANHOLE ADJUSTED TO GRADE	8" REINFORCED CONCRET PAVEMENT, CLASS QC 1P	6" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
						SQ FT	SQ YD	FT	EACH	SQ FT	SQ FT	SQ FT	SQ FT	EACH	EACH	CU YD		FT	FT	EACH	EACH	EACH	EACH	SY	SY	FT
SW49	57	184+35	186+01	RT	02/STR	660				814																
SW50	57	186+27	187+76	RT	02/STR	583				747																
SW51	57	186+42	186+84	RT	02/STR	154				201																
SW52	57	186+96	188+91	RT	02/STR	758				972																
SW53	57/58	188+13	191+38	RT	02/STR	1282				1611																
SW54	57/58	189+13	189+82	RT	02/STR	263				343																
SW55	58	190+08	190+71	RT	02/STR	248				314																
SW56	58	190+86	191+02	RT	02/STR	65				81																
SW57	58/59	191+20	197+96	RT	02/STR	397				5522																
SW58	58	191+81	193+52	RT	02/STR	672				846																
SW59	58/59	193+87	196+18	RT	02/STR	937				1180																
SW60	59/60	200+00	204+61	RT	02/STR					2362																
SW61	NOT	USED																								
SW62	NOT	USED																								
SW63	53-55	169+00	179+66	LT	01/NFA																			1400		
CR1	25	9+50	9+59	LT	01/NFA							35	10													
CR2	25	12+59	12+67	LT/RT	01/NFA							35	10													
CR3	26	12+95	13+03	LT/RT	01/NFA							35	10													
CR4	31	39+85	39+98	LT/RT	02/STR							62	10													16
CR5	32	40+52	40+67	LT/RT	02/STR							72	10													17
CR6	36	67+74	67+80	LT/RT	01/NFA							64	20													
CR7	36	68+03	68+08	LT/RT	01/NFA							58	20													
CR8	37	72+93	73+00	LT/RT	01/NFA							74	20													
CR9	37	73+30	73+36	LT/RT	01/NFA							70	20													
CR10	46	134+64	134+71	LT/RT	01/NFA							41	10													
CR11	46	135+00	135+07	LT/RT	01/NFA							41	10													
CR12	46	138+26	138+32	LT/RT	01/NFA							37	10													
CR13	46	138+60	138+67	LT/RT	01/NFA							41	10													
CR14	47	141+86	141+92	LT/RT	01/NFA							37	10													
CR15	47	142+20	142+27	LT/RT	01/NFA							40	10													
CR16	56	182+82	182+88	LT/RT	02/STR							36	10													
CR17	56	183+12	183+18	LT/RT	02/STR							37	10													
CR18	56	184+00	184+08	LT/RT	02/STR							43	10													
CR19	57	184+27	184+35	LT/RT	02/STR							43	10													
CR20	40	102+14	102+22	LT	01/NFA							48	16													
CR21	41	107+00	107+11	LT	01/NFA							45	15													
DW1	26	13+06	13+11	LT	01/NFA								10													
DW2	26	16+00	16+00	LT	01/NFA								10													
DW3	26	16+01	16+01	LT	02/STR								10													
DW4	48	145+99	146+04	LT	01/NFA								10													
DW5	48	145+92	145+97	LT	01/NFA								10													
DW6	56	179+85	179+90	RT	02/STR								10													
DW7	56	179+84	179+89	RT	02/STR								10													
DW8	57	189+10	189+12	RT	02/STR								10													
DW9	57	186+29	186+31	RT	02/STR								10													
DW10	60	204+66	204+71	RT	02/STR								10													
E1	30	32+71	32+92	RT/LT	02/STR											20										
E2	30	33+66	33+89	RT/LT	02/STR											16										
DR1	27	17+30	17+75	LT	02/STR		57																		48	
DR2	27	18+45	18+69	LT	02/STR		35																		32	
DR3	31/32	39+64	000+41	LT	02/STR		156																		156	
DR4	56	180+38	180+26	LT/RT	02/STR		38								3										25	
DR5	56	183+99	184+20	RT	02/STR		43																		41	
DR6	57	184+99	185+75	RT	02/STR		34																		23	
TOTALS CARRIED TO GENERAL SUMMARY						**6019**	**363**	**0**	**0**	**14993**	**0**	**994**	**361**	**0**	**3**	**36**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1400**	**325**	**33**

PUT-KALIDA PEDESTRIAN LOOP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 1:44:55 PM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GS002.dgn

SUBSUMMARIES

DESIGN AGENCY
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115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SHEET P.19 TOTAL 144

REF. NO.	SHEET NO.	STATION TO STATION		SIDE	PARTICIPATION	ROADWAY									EROSION CONTROL		DRAINAGE							PAVEMENT		
						202				608				690	601		611							451	452	609
						WALK REMOVED	PAVEMENT REMOVED	CURB REMOVED	CATCH BASIN REMOVED	4" CONCRETE WALK	6" CONCRETE WALK	CURB RAMP	DETECTABLE WARNING	SPECIAL - MAILBOX REMOVED AND RESET	ROCK CHANNEL PROTECTION TYPE C WITH GEOT3EXTILE FABRIC		8" CONDUIT, TYPE B	8" CONDUIT, TYPE C	CATCH BASIN, MISC.: KALIDA STANDARD TYPE 1	CATCH BASIN, MISC.: REUSE EXISTING CATCH BASIN	CATCH BASIN ADJUSTED TO GRADE	MANHOLE ADJUSTED TO GRADE	DRAINAGE STRUCTURE MISC.: RELOCATE 6" DRAIN	8" REINFORCED CONCRET PAVEMENT, CLASS QC 1 P	6" REINFORCED CONCRETE PAVEMENT, CLASS QC 1 P	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
						SQ FT	SQ YD	FT	EACH	SQ FT	SQ FT	SQ FT	SQ FT	EACH	CU YD		FT	FT	EACH	EACH	EACH	EACH	EACH	SY	SY	FT
DR7	28	23+58	23+87	LT	02/STR		15																		15	
DR8	28	24+29	24+54	LT	02/STR		15																		15	
P1	34	49+07	49+21	LT	01/NFA																				100	
P2	35	63+24	63+34	RT	01/NFA																				100	
P3	36	67+64	67+74	RT	01/NFA																				100	
P4	37	72+46	72+56	RT	01/NFA																				100	
P5	49	153+08	153+18	LT	01/NFA																				100	
P6	51	159+57	159+67	LT	01/NFA																				100	
P7	52	167+95	168+05	LT	01/NFA																				100	
P8	55	176+88	176+98	LT	01/NFA																				100	
D1	26	13+02	13+02	LT	01/NFA																1					
D2	26	16+01	16+01	LT	02/STR																1					
D3	37	73+49	73+49	RT	01/NFA																	1				
D4	43	123+95	123+95	RT	01/NFA																	1				
D5	45	132+63	132+63	LT	01/NFA																	1				
D6	46	138+68	138+68	LT	01/NFA																	1				
D7	46	138+73	138+73	LT	01/NFA																	1				
D8	48	146+00	146+00	RT	01/NFA				1											1						
D9	55	179+02	179+02	LT	01/NFA				1											1						
D10	56	182+63	182+63	RT	02/STR				1											1						
D11	57	184+38	184+38	RT	02/STR				1											1						
D12	57	185+90	185+90	RT	02/STR				1											1						
D13	57	186+07	186+07	RT	02/STR				1											1						
D14	34	50+58	50+58	LT	01/NFA														1							
D15	34	49+06	50+58	LT	01/NFA													148								
D16	34	49+06	49+06	LT	01/NFA														1							
D17	35	60+29	63+35	RT	01/NFA												40	269								
D18	35	63+35	63+35	RT	01/NFA														1							
D19	35/36	63+35	65+00	RT	01/NFA													155								
D20	36	65+00	65+00	RT	01/NFA														1							
D21	36	68+53	68+53	RT	01/NFA														1							
D22	36/37	68+53	70+08	RT	01/NFA												20	146								
D23	37	70+08	70+08	RT	01/NFA														1							
D24	37	70+08	72+42	RT	01/NFA													232								
D25	37	72+42	72+42	RT	01/NFA														1							
D26	39	90+17	91+23	LT	01/NFA													107								
D27	34	50+58	50+72	LT/RT	01/NFA												40									
D28	28	24+76	24+76	LT	02/STR				1											1						
D29	44	126+47	126+47	LT	01/NFA																		1			
D30	45	130+87	130+87	LT	01/NFA																		1			
D31	48	145+69	145+96	LT/RT	01/NFA												30									
D32	48	145+69	145+69	LT	01/NFA														1							
D33	56	182+63	182+63	RT	02/STR														1							
D34	56	182+63	183+57	RT	02/STR												94									
D35	56	183+57	183+57	RT	02/STR														1							
D36	56	183+57	183+57	LT/RT	02/STR												10									
D37	56	183+57	183+57	LT	02/STR														1							
M1	56	182+39	182+39	RT	02/STR									1												
M2	57	185+84	185+84	RT	02/STR									1												
TOTALS CARRIED TO GENERAL SUMMARY						**0**	**30**	**0**	**7**	**0**	**0**	**0**	**0**	**2**	**0**		**234**	**1057**	**11**	**7**	**2**	**5**	**2**	**0**	**830**	**0**

SUBSUMMARIES

PUT-KALIDA PEDESTRIAN LOOP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/2/2026 TIME: 1:52:24 PM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GS003.dgn

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886

REF. NO.	SHEET NO.	STATION TO STATION		SIDE	PARTICIPATION	WATERWORKS			LIGHTING										TRAFFIC CONTROL							OTHER UTILITIES	
						638			625										630				632	644		611	
						FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE	FIRE HYDRANT REMOVED AND RELOCATED	VALVE BOX ADJUSTED TO GRADE	LIGHT POLE, AESTHETIC, AS PER PLAN	LIGHT POLE FOUNDATION, 24" X 8' DEEP	LIGHT POLE, MISC.: BOLLARD LIGHT	CONNECTION, FUSED PULL APART	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	CONDUIT, 1-1/4", 725.051	CONDUIT, JACKED OR DRILLED, 725.051, 1 1/4"	TRENCH, 24" DEEP	POWER SERVICE, AS PER PLAN	CONTROL CENTER CABINET, COMPLETE	SIGNING, MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)SIGN ASSEMBLY	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	SIGNING, MISC.: TRAIL DIRECTIONAL SIGN	PEDESTAL FOUNDATION	CROSSWALK LINE, 12"	CROSSWALK LINE, 24"	GAS VALVE BOX ADJUSTED TO GRADE	
						EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	FT	FT	EACH	
R2	35	60+28	60+34	RT	01/NFA																1						
L1	56	179+30	179+30	LT	02/STR				1	1		1	200		200												
L2	56	181+50	181+50	RT	02/STR				1	1		1	200		200												
L3	56	183+50	183+50	RT	02/STR				1	1		1	195		195												
L4	57	185+45	185+45	RT	02/STR				1	1		1	220		220												
L5	57	187+60	187+60	RT	02/STR				1	1		1	235		235												
L6	58	190+00	190+00	RT	02/STR				1	1		1	200		200												
L7	58	192+00	192+00	RT	02/STR				1	1		1	200		200												
L8	49-55	150+50	179+50	RT	01/NFA						57	57	2880	2880		2880											
L9	55	177+26	177+26	LT	01/NFA												1	1									
L10	58	192+00	192+00	RT	02/STR								210				1										
S1	24	-	-	-	01/NFA																	7					
S2	25	9+07	9+07	LT	01/NFA																	1					
S3	25	9+52	9+52	RT	01/NFA															1							
S4	25	12+44	12+44	LT	01/NFA															1							
S5	26	13+00	13+00	RT	01/NFA															1							
S6	26	15+98	15+98	LT	01/NFA															1							
S7	32	43+05	43+05	LT	01/NFA																	1					
S8	34	48+76	48+76	RT	01/NFA																	1					
S9	35	62+14	62+14	RT	01/NFA																	1					
S10	36	67+74	67+74	LT	01/NFA																	1					
S11	37	70+00	70+00	RT	01/NFA																	1					
S12	38	81+57	81+57	RT	01/NFA																	1					
S13	41	104+70	104+70	RT	01/NFA																	1					
S14	41	108+42	108+42	LT	01/NFA																	1					
S15	43	120+04	120+04	RT	01/NFA																	1					
S16	46	135+05	135+05	LT	01/NFA															1							
S17	46	138+65	138+65	LT	01/NFA															1							
S18	47	142+25	142+25	LT	01/NFA															1							
S19	48	145+82	145+82	LT	01/NFA																	1					
S20	48	145+89	145+89	LT	01/NFA															1							
S21	48	145+97	145+97	LT	02/STR														1				1				
S22	48	146+42	146+42	LT	02/STR														1				1				
S23	49	150+17	150+17	LT	01/NFA																	1					
S24	56	181+15	181+15	RT	02/STR															1							
S25	58	189+69	189+69	RT	02/STR															1							
S26	58	191+81	191+81	RT	02/STR															1							
S27	59	194+50	194+50	RT	02/STR															1							
S28	59	195+25	195+25	RT	02/STR															1							
S29	59	198+55	198+55	RT	02/STR																	1					
S30	60	204+72	204+72	RT	02/STR														1				1				
S31	60	204+64	204+62	RT	02/STR														1				1				
S32	34	51+95	51+95	LT	01/NFA																	1					
S33	39	-	-	-	01/NFA																	1					
CW1	26	16+00	16+00	LT	02/STR																			57			
CW2	44	125+42	126+24	LT	01/NFA																			59			
CW3	45	130+33	130+64	LT	01/NFA																			57			
CW4	46	134+72	135+00	LT	01/NFA																			53			
CW5	46	138+34	138+59	LT	01/NFA																			49			
CW6	47	141+94	142+19	LT	01/NFA																			49			
CW7	56	179+84	179+90	RT	02/STR																				36		
CW8	56	179+96	180+28	RT	01/NFA																			69			
CW9	60	204+65	204+72	RT	02/STR																				42		
TOTALS CARRIED TO GENERAL SUMMARY						**0**	**0**	**0**	**7**	**7**	**57**	**64**	**4540**	**2880**	**1450**	**2880**	**2**	**1**	**4**	**13**	**1**	**22**	**4**	**393**	**78**	**0**	

PUT-KALIDA PEDESTRIAN LOOP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 10:30:30 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GS004.dgn

SUBSUMMARIES

DESIGN AGENCY
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Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SHEET P.21 TOTAL 144

REF. NO.	SHEET NO.	STATION TO STATION		SIDE	PARTICIPATION	WATERWORKS			LIGHTING										TRAFFIC CONTROL							OTHER UTILITIES	
						638			625										630				632	644		611	
						FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE	FIRE HYDRANT REMOVED AND RELOCATED	VALVE BOX ADJUSTED TO GRADE	LIGHT POLE, AESTHETIC, AS PER PLAN	LIGHT POLE FOUNDATION, 24" X 8' DEEP	LIGHT POLE, MISC.: BOLLARD LIGHT	CONNECTION, FUSED PULL APART	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	CONDUIT, 1-1/4", 725.051	CONDUIT, JACKED OR DRILLED, 725.051, 1 1/4"	TRENCH, 24" DEEP	POWER SERVICE, AS PER PLAN	CONTROL CENTER CABINET, COMPLETE	SIGNING, MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)SIGN ASSEMBLY	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	SIGNING, MISC.: TRAIL DIRECTIONAL SIGN	PEDESTAL FOUNDATION	CROSSWALK LINE, 12"	CROSSWALK LINE, 24"	GAS VALVE BOX ADJUSTED TO GRADE	
						EACH	EACH	EACH	EACH	EACH	EACH	EACH	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	FT	FT	EACH	
CW10	43	199+90	120+00	LT	01/NFA																			53			
W1	26	15+97	15+97	RT	01/NFA			1																			
W2	26	16+03	16+03	LT	02/STR	1																					
W3	29	26+32	26+32	LT	02/STR		1	1																			
W4	43	120+22	120+22	LT	01/NFA	1																					
W5	43	123+87	123+87	RT	01/NFA	1																					
W6	44	125+75	125+81	LT	01/NFA			3																			
W7	44	126+38	126+38	LT	01/NFA			1																			
W8	46	134+65	134+65	LT	01/NFA			1																			
W9	46	138+85	138+85	LT	01/NFA			1																			
W10	47	141+84	141+84	LT	01/NFA			1																			
W11	47	143+91	143+91	LT	01/NFA			1																			
W12	56	180+55	180+55	RT	02/STR			1																			
W13	60	203+89	203+89	LT	02/STR			1																			
W14	60	204+34	204+34	RT	02/STR			1																			
W15	56	180+00	180+00	RT	02/STR			1																			
W16	58	192+23	192+23	RT	02/STR			1																			
G1	27	18+41	18+41	LT	02/STR																				1		
G2	28	23+33	23+33	LT	02/STR																				1		
G3	29	26+16	26+16	LT	02/STR																				1		
G4	46	137+25	137+25	LT	01/NFA																				1		
G5	47	140+52	140+52	LT	01/NFA																				1		
G6	57	186+86	186+86	RT	02/STR																				1		
G7	28	22+18	22+18	LT	02/STR																				1		
TOTALS CARRIED TO GENERAL SUMMARY						**3**	**1**	**15**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**53**	**0**	**7**		

EROSION CONTROL

ITEM 659 - TOPSOIL

(11378 SQ YD) x (4 IN) x (1 FT / 12 IN) x (1 YD / 3 FT) = 1264 CU YD

ITEM 659 - REPAIR SEEDING AND MULCHING

(11378 SQ YD) x (0.05) = 569 SQ YD

ITEM 659 - INTER-SEEDING

(11378 SQ YD) x (0.05) = 569 SQ YD

ITEM 659 - COMMERCIAL FERTILIZER

{(11378 SQ YD) x (30 LBS / 1000 SQ FT)+ 0.05 x (11378 SQ YD) x (20 LBS / 1000 SQ FT)} x (9 SQ FT / SQ YD) x (1 TON / 2000 LBS) = 1.59 TON

ITEM 659 - LIME

(11378 SQ YD) x (9 SQ FT / SQ YD) x (1 ACRE / 43,560 SQ FT) = 2.35 ACRE

ITEM 659 - WATER

(2 APPLICATIONS) x (11378 SQ YD) x (300 GAL / 1000 SQ FT) x (9 SQ FT / SQ YD) x (1 MGAL / 1000 GAL) + 0.05 x (11378 SQ YD) x (300 GAL / 1000 SQ FT) x (9 SQ FT / SQ YD) x (1 MGAL / 1000 GAL) = 63 MGAL

DESIGN AGENCY
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Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886

EARTHWORK

SHEET NO.	203 EXCAVATION	203 EMBANKMENT	659 SEEDING AND MULCHING
	CU YD	CU YD	SQ YD
61	16	0	88
62	22	0	77
63	18	0	111
64	15	0	77
65	27	0	194
66	24	0	138
67	14	19	272
68	6	43	428
69	6	519	649
70	10	37	272
71	42	0	44
72	12	2	88
73	45	4	132
74	56	6	155
75	62	12	289
76	88	0	339
77	101	0	512
78	63	4	389
79	22	2	127
80	54	2	317
81	58	0	294
82	17	8	192
83	1	9	60
84	20	8	67
85	111	4	222
86	26	34	173
87	7	1	17
88	10	0	66
89	8	18	183
90	13	0	67
91	21	0	89
92	36	0	144
93	45	0	200
94	53	0	212
95	35	0	161
96	20	0	100
97	8	9	89
98	65	11	295
99	17	28	305
100	47	25	378
101	31	18	194
102	51	12	156
103	23	47	184
104	44	14	190
105	27	20	201
106	37	33	201
107	5	30	172
108	13	50	461
109	22	4	216
110	26	4	161
111	33	0	155
112	49	6	267
113	79	10	320
114	190	1	242
115	15	2	77
116	21	10	169
TOTALS CARRIED TO GENERAL SUMMARY	**1987**	**1066**	**11378**

VEGETATED FILTER STRIP

FILTER STRIP	BEGIN STATION	END STATION	SIDE	FILTER STRIP WIDTH (FEET)	FILTER STRIP AREA (SQ. YD.)
VEGETATED FILTER STRIP #1	9+53	9+65	LT	8	11
VEGETATED FILTER STRIP #2	9+89	12+55	LT	6	177
VEGETATED FILTER STRIP #3	13+11	13+78	LT	6	45
VEGETATED FILTER STRIP #4	14+01	15+01	LT	6	67
VEGETATED FILTER STRIP #5	15+37	16+01	LT	6	43
VEGETATED FILTER STRIP #6	16+02	17+41	LT	6	93
VEGETATED FILTER STRIP #7	17+58	18+47	LT	6	59
VEGETATED FILTER STRIP #8	18+68	19+35	LT	6	45
VEGETATED FILTER STRIP #9	19+55	19+67	LT	6	8
VEGETATED FILTER STRIP #10	19+88	19+99	LT	6	7
VEGETATED FILTER STRIP #11	20+19	21+13	LT	6	63
VEGETATED FILTER STRIP #12	21+43	22+58	LT	6	77
VEGETATED FILTER STRIP #13	22+95	23+63	LT	6	45
VEGETATED FILTER STRIP #14	23+87	24+30	LT	6	29
VEGETATED FILTER STRIP #15	24+54	26+54	LT	6	133
VEGETATED FILTER STRIP #16	28+00	32+00	LT	6	267
VEGETATED FILTER STRIP #17	34+43	37+50	LT	6	205
VEGETATED FILTER STRIP #18	38+47	39+27	LT	6	53
VEGETATED FILTER STRIP #19	39+47	39+78	LT	6	21
VEGETATED FILTER STRIP #20	40+59	43+00	LT	6	161
VEGETATED FILTER STRIP #21	43+00	48+50	LT	4	244
VEGETATED FILTER STRIP #22	46+07	51+88	LT	12	775
VEGETATED FILTER STRIP #23	60+20	62+52	RT	12	309
VEGETATED FILTER STRIP #24	62+60	67+82	RT	12	696
VEGETATED FILTER STRIP #25	68+07	68+65	RT	12	77
VEGETATED FILTER STRIP #26	70+00	72+22	RT	12	296
VEGETATED FILTER STRIP #27	80+00	81+62	LT	12	216
VEGETATED FILTER STRIP #28	90+00	91+32	RT	10	147
VEGETATED FILTER STRIP #29	102+50	104+77	RT	11	277
VEGETATED FILTER STRIP #30	120+00	121+47	RT	5	82
VEGETATED FILTER STRIP #31	121+61	123+75	RT	5	119
VEGETATED FILTER STRIP #32	123+75	125+85	LT	6	140
VEGETATED FILTER STRIP #33	126+30	130+28	LT	6	265
VEGETATED FILTER STRIP #34	130+70	134+66	LT	6	264
VEGETATED FILTER STRIP #35	132+41	133+15	LT	5	41
VEGETATED FILTER STRIP #36	133+38	134+72	LT	5	74
VEGETATED FILTER STRIP #37	134+92	136+70	LT	6	118
VEGETATED FILTER STRIP #38	135+05	138+29	LT	6	216
VEGETATED FILTER STRIP #39	136+93	138+44	LT	6	101
VEGETATED FILTER STRIP #40	138+64	141+88	LT	6	216
VEGETATED FILTER STRIP #41	138+66	139+58	LT	6	61
VEGETATED FILTER STRIP #42	139+71	139+95	LT	6	16
VEGETATED FILTER STRIP #43	140+21	144+06	LT	6	257
VEGETATED FILTER STRIP #44	142+23	142+74	LT	6	34
VEGETATED FILTER STRIP #45	143+03	143+99	LT	6	64
VEGETATED FILTER STRIP #46	144+38	145+49	LT	6	74
VEGETATED FILTER STRIP #47	144+53	145+92	LT	6	93
VEGETATED FILTER STRIP #48	145+62	145+98	LT	6	24
VEGETATED FILTER STRIP #49	150+21	161+00	RT	5	599
VEGETATED FILTER STRIP #50	162+00	167+95	LT	9	595
VEGETATED FILTER STRIP #51	168+05	176+88	LT	9	883
VEGETATED FILTER STRIP #52	176+98	179+66	LT	9	268
VEGETATED FILTER STRIP #53	179+84	180+41	LT	4	25
VEGETATED FILTER STRIP #54	180+66	182+87	LT	5	123
VEGETATED FILTER STRIP #55	183+13	184+07	LT	5	52
VEGETATED FILTER STRIP #56	184+31	185+94	RT	6	109
VEGETATED FILTER STRIP #57	186+34	187+74	RT	6	93

VEGETATED FILTER STRIP (CONT.)

FILTER STRIP	BEGIN STATION	END STATION	SIDE	FILTER STRIP WIDTH (FEET)	FILTER STRIP AREA (SQ. YD.)
VEGETATED FILTER STRIP #58	186+45	186+84	RT	6	26
VEGETATED FILTER STRIP #59	186+96	188+91	RT	6	130
VEGETATED FILTER STRIP #60	188+13	191+38	RT	6	217
VEGETATED FILTER STRIP #61	189+13	189+80	RT	6	45
VEGETATED FILTER STRIP #62	190+08	190+71	RT	6	39
VEGETATED FILTER STRIP #63	190+86	191+02	RT	3	5
VEGETATED FILTER STRIP #64	191+20	193+00	RT	6	120
VEGETATED FILTER STRIP #65	191+86	193+47	RT	6	107
VEGETATED FILTER STRIP #66	193+00	197+92	LT	6	328
VEGETATED FILTER STRIP #67	193+95	196+12	RT	6	145
VEGETATED FILTER STRIP #68	200+00	203+35	LT	6	223
TOTALS CARRIED TO GENERAL SUMMARY					**11037**

SUBSUMMARIES

PUT-KALIDA PEDESTRIAN LOOP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/2/2026 TIME: 9:19:31 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GS006.dgn

DESIGN AGENCY
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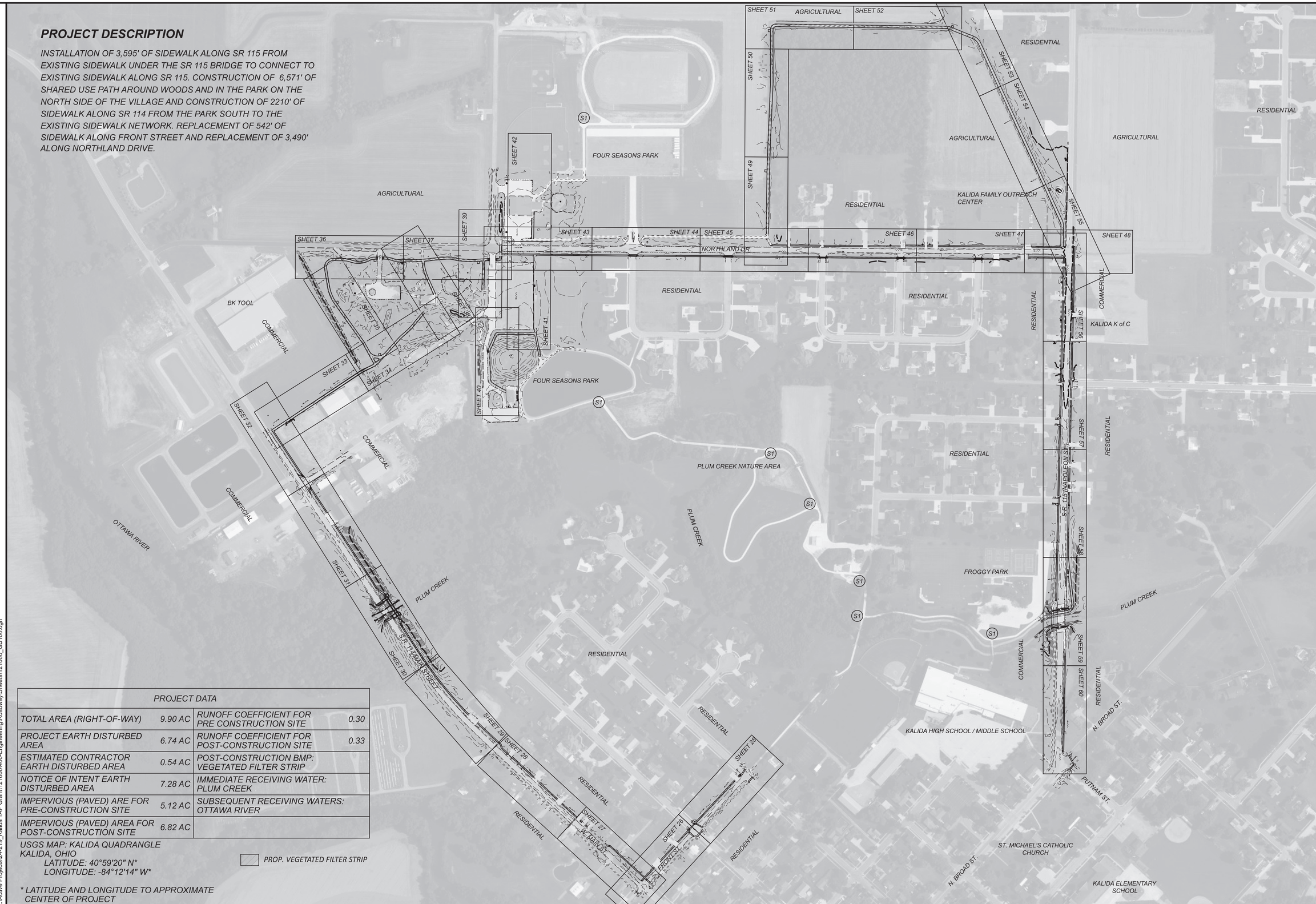
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SHEET P.23 TOTAL 144

PROJECT DESCRIPTION

INSTALLATION OF 3,595' OF SIDEWALK ALONG SR 115 FROM EXISTING SIDEWALK UNDER THE SR 115 BRIDGE TO CONNECT TO EXISTING SIDEWALK ALONG SR 115. CONSTRUCTION OF 6,571' OF SHARED USE PATH AROUND WOODS AND IN THE PARK ON THE NORTH SIDE OF THE VILLAGE AND CONSTRUCTION OF 2210' OF SIDEWALK ALONG SR 114 FROM THE PARK SOUTH TO THE EXISTING SIDEWALK NETWORK. REPLACEMENT OF 542' OF SIDEWALK ALONG FRONT STREET AND REPLACEMENT OF 3,490' ALONG NORTHLAND DRIVE.



PROJECT DATA			
TOTAL AREA (RIGHT-OF-WAY)	9.90 AC	RUNOFF COEFFICIENT FOR PRE CONSTRUCTION SITE	0.30
PROJECT EARTH DISTURBED AREA	6.74 AC	RUNOFF COEFFICIENT FOR POST-CONSTRUCTION SITE	0.33
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	0.54 AC	POST-CONSTRUCTION BMP: VEGETATED FILTER STRIP	
NOTICE OF INTENT EARTH DISTURBED AREA	7.28 AC	IMMEDIATE RECEIVING WATER: PLUM CREEK	
IMPERVIOUS (PAVED) ARE FOR PRE-CONSTRUCTION SITE	5.12 AC	SUBSEQUENT RECEIVING WATERS: OTTAWA RIVER	
IMPERVIOUS (PAVED) AREA FOR POST-CONSTRUCTION SITE	6.82 AC		

USGS MAP: KALIDA QUADRANGLE
KALIDA, OHIO
LATITUDE: 40°59'20" N*
LONGITUDE: -84°12'14" W*

* LATITUDE AND LONGITUDE TO APPROXIMATE CENTER OF PROJECT

PROP. VEGETATED FILTER STRIP

HORIZONTAL SCALE IN FEET
0 100 200 400

SITE PLAN

PUT-KALIDA PEDESTRIAN LOOP

MODEL: SitePlan PAPERSIZE: 17x11 (in.) DATE: 1/8/2026 TIME: 9:57:28 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GB100.dgn

DESIGN AGENCY
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Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.24 TOTAL 144

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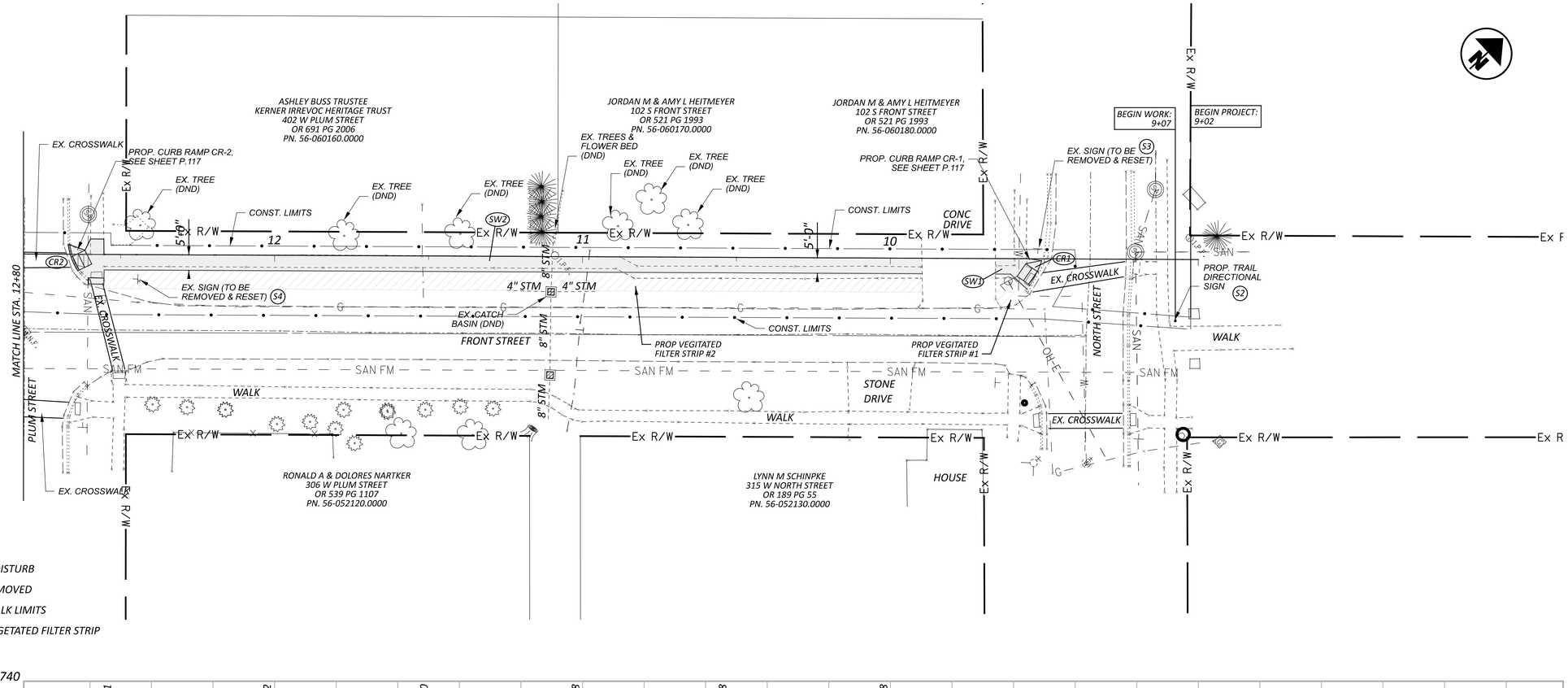
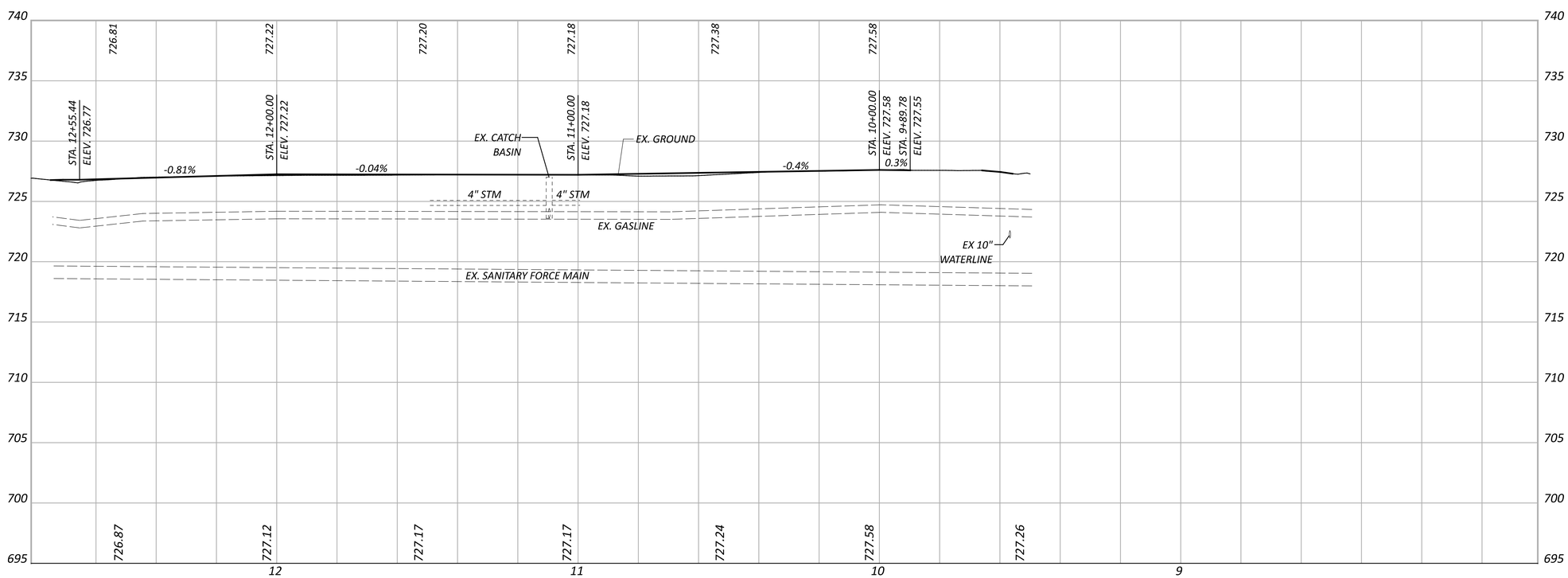


LEGEND:

DND	DO NOT DISTURB
TBR	TO BE REMOVED
	PROP. WALK LIMITS
	PROP. VEGETATED FILTER STRIP



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:02:53 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GP001.dgn

DESIGN AGENCY
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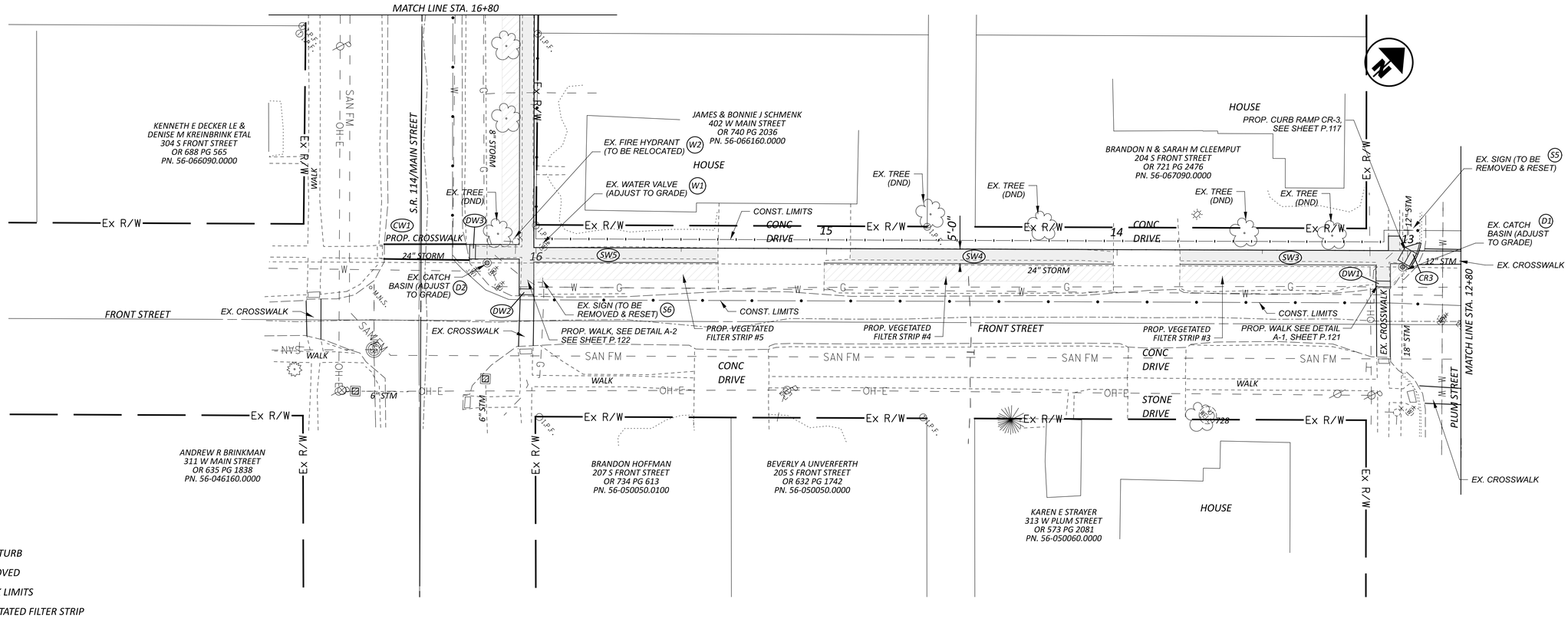
Phone: 419.523.5789

DESIGNER	KMB
REVIEWER	GAB 12-30-25
PROJECT ID	121886
SHEET	P.25
TOTAL	144



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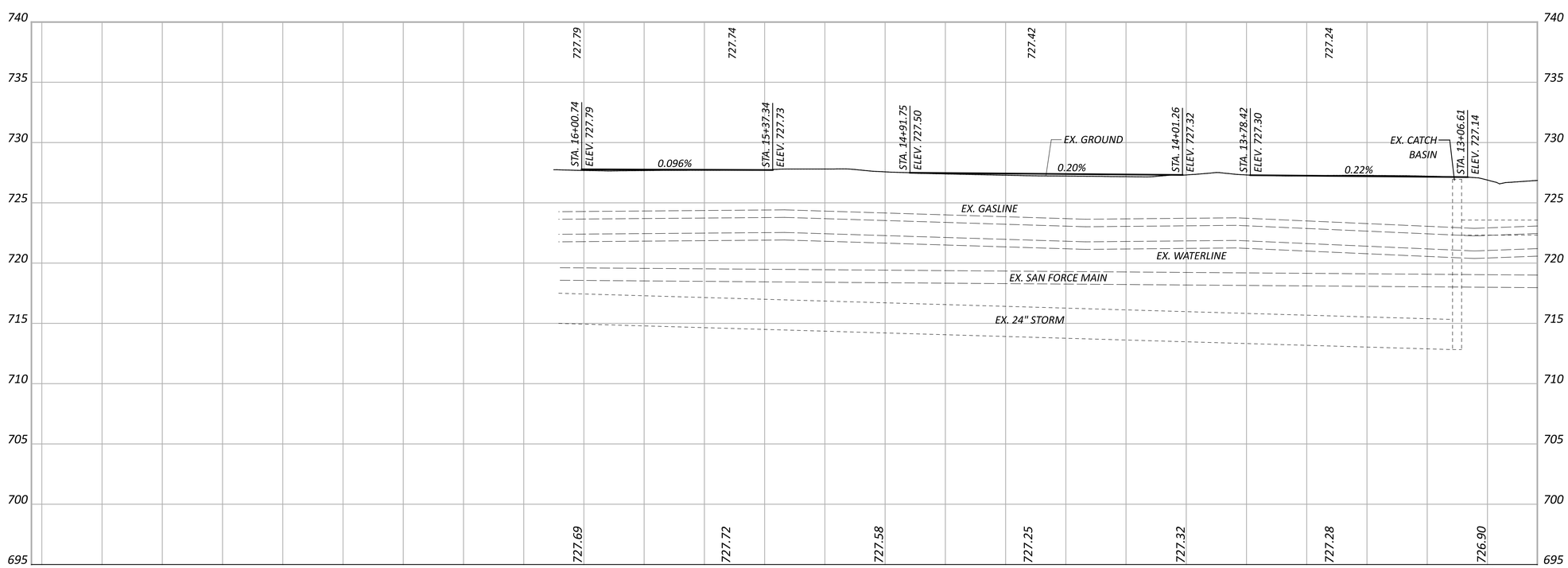
TBR	TO BE REMOVED
	PROP. WALK LIMITS
	PROP. VEGETATED FILTER STRIP



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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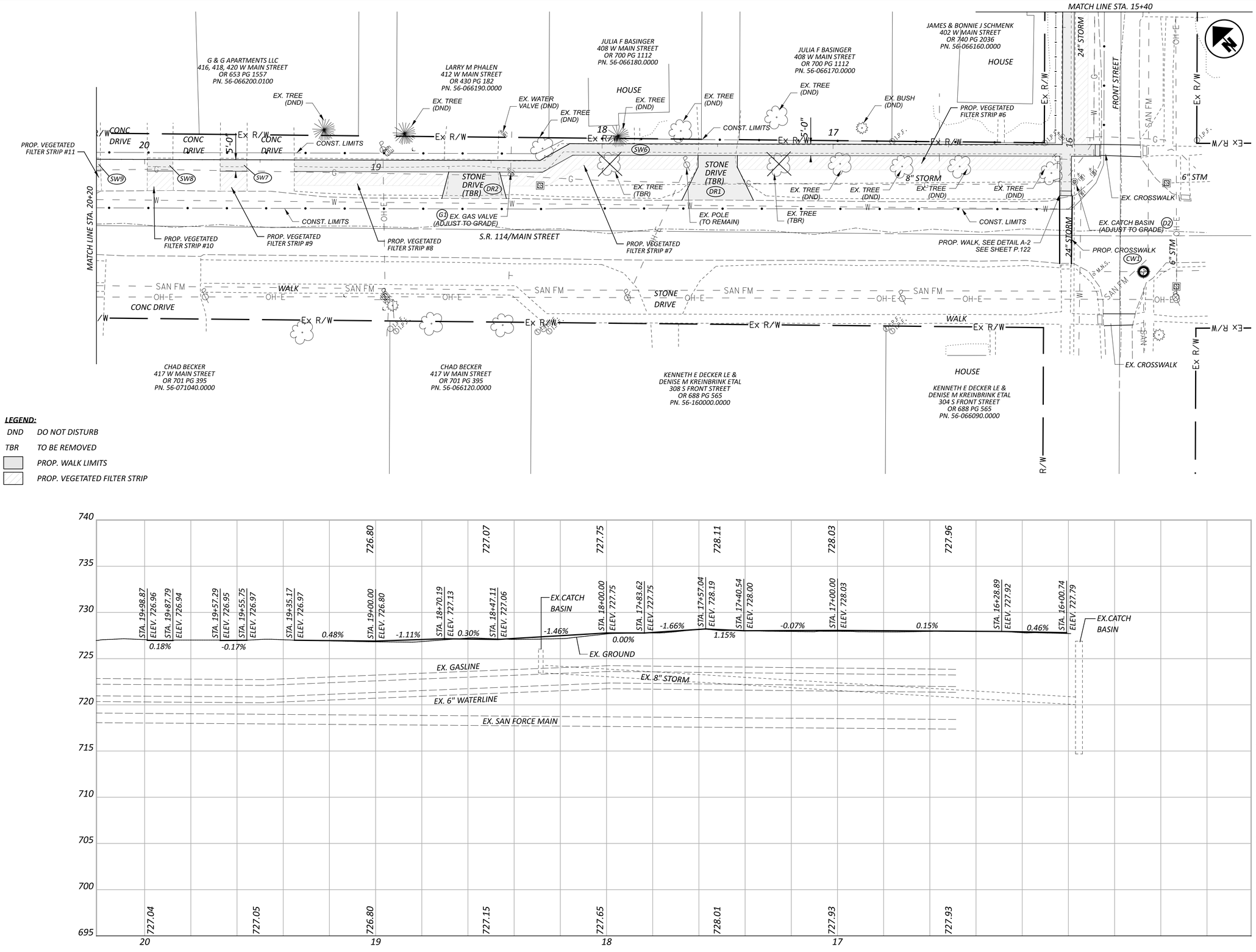
DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.26 TOTAL 144



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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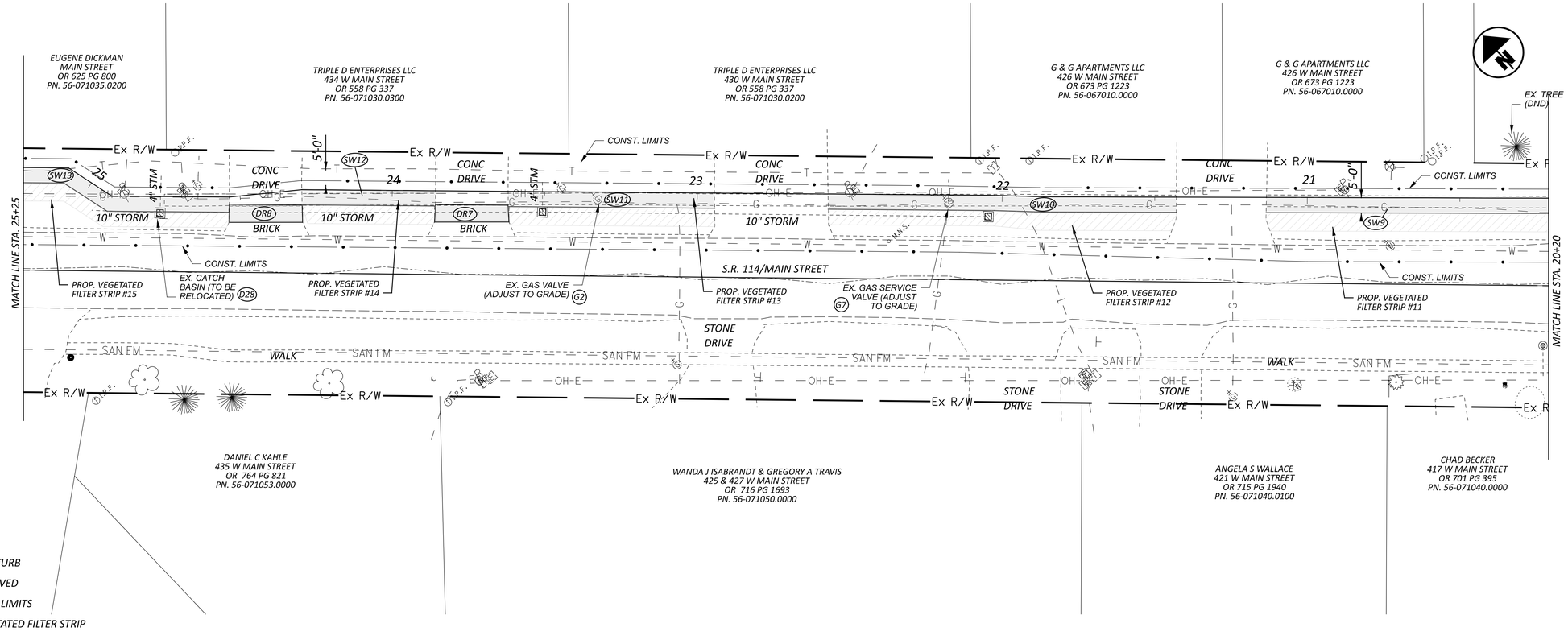
DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.27 TOTAL 144



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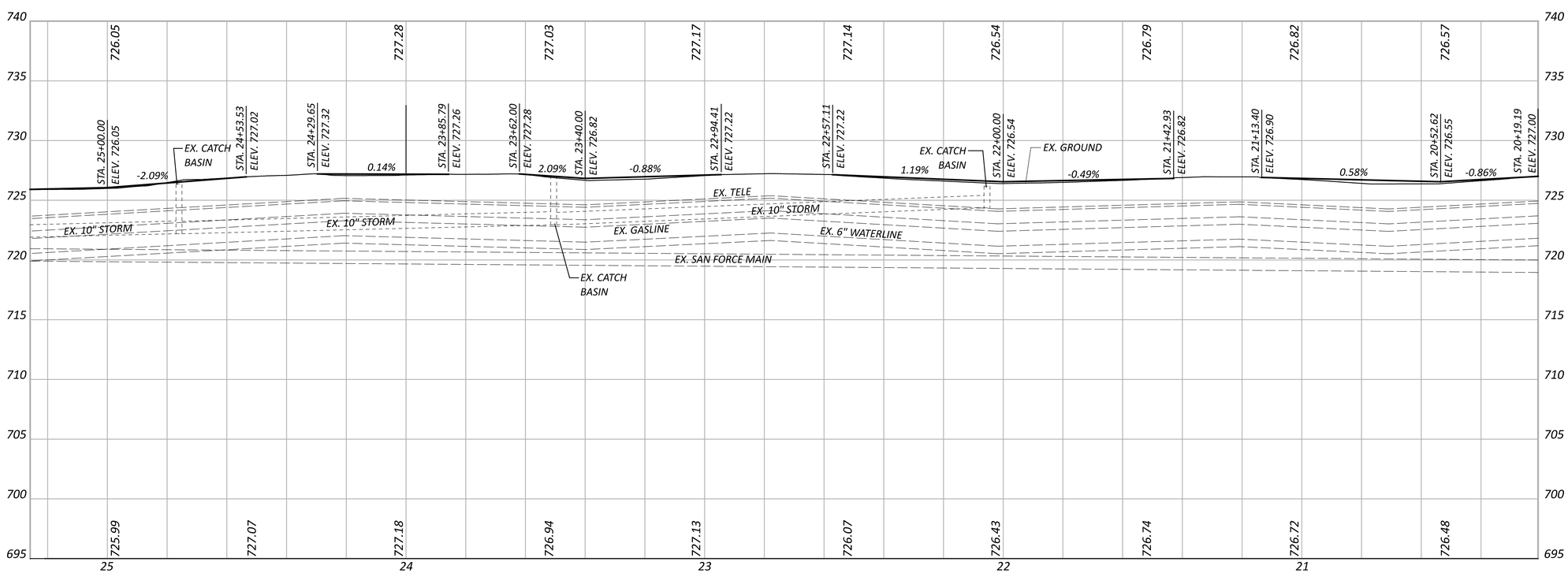
TBR	TO BE REMOVED
	PROP. WALK LIMITS
	PROP. VEGETATED FILTER STRIP



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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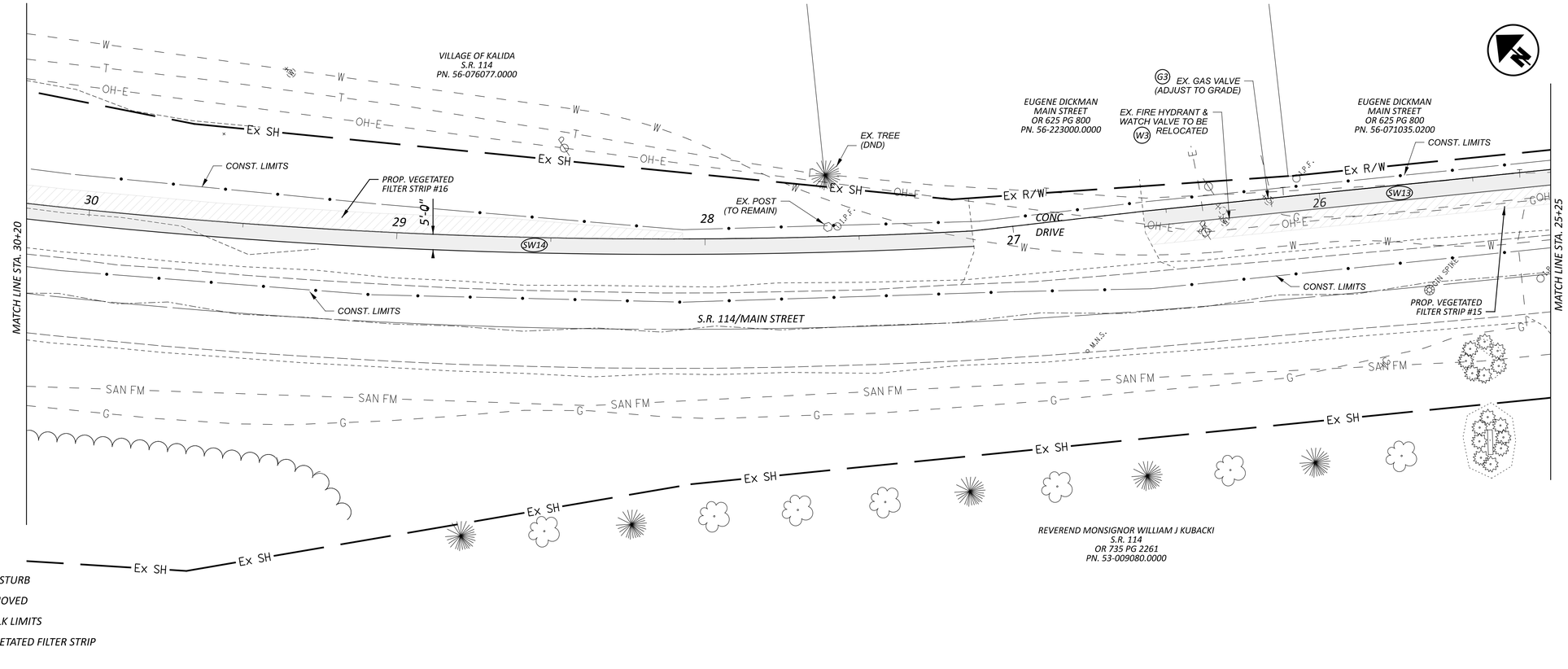
DESIGNER	KMB
REVIEWER	GAB 12-30-25
PROJECT ID	121886
SHEET	P.28
TOTAL	144



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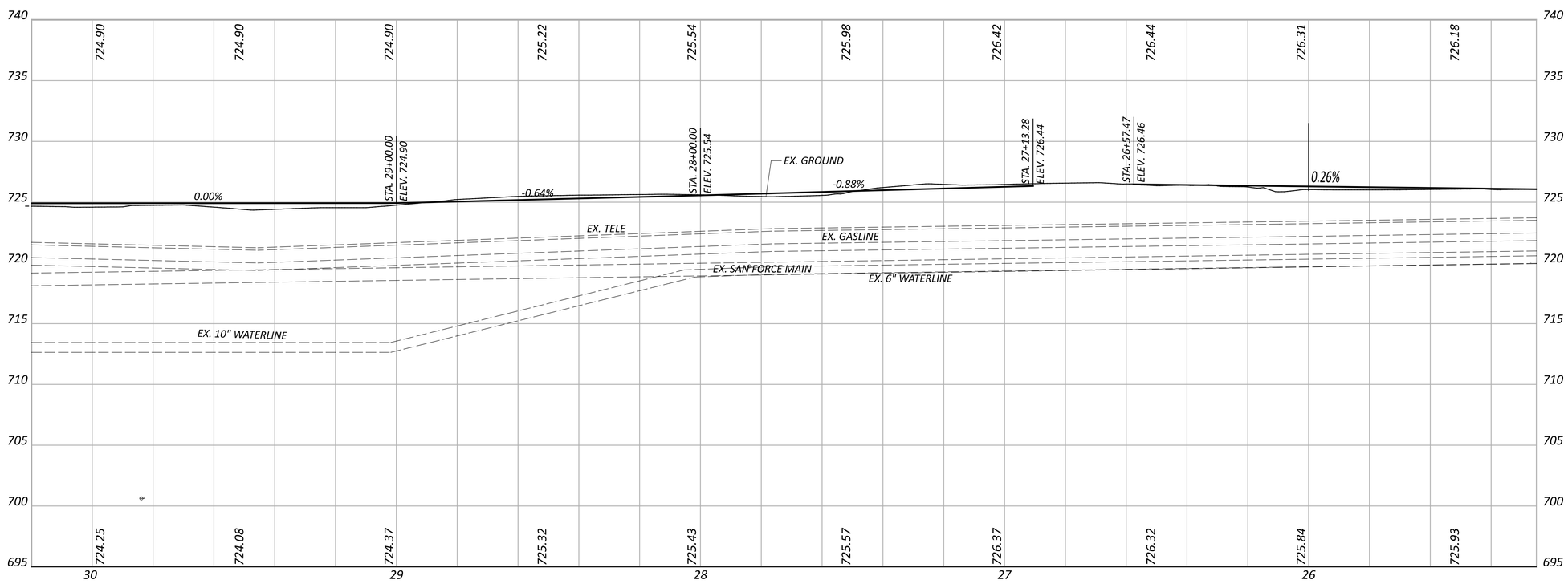
TBR	TO BE REMOVED
	PROP. WALK LIMITS
	PROP. VEGETATED FILTER STRIP



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 7:13:58 AM USER: kbuss
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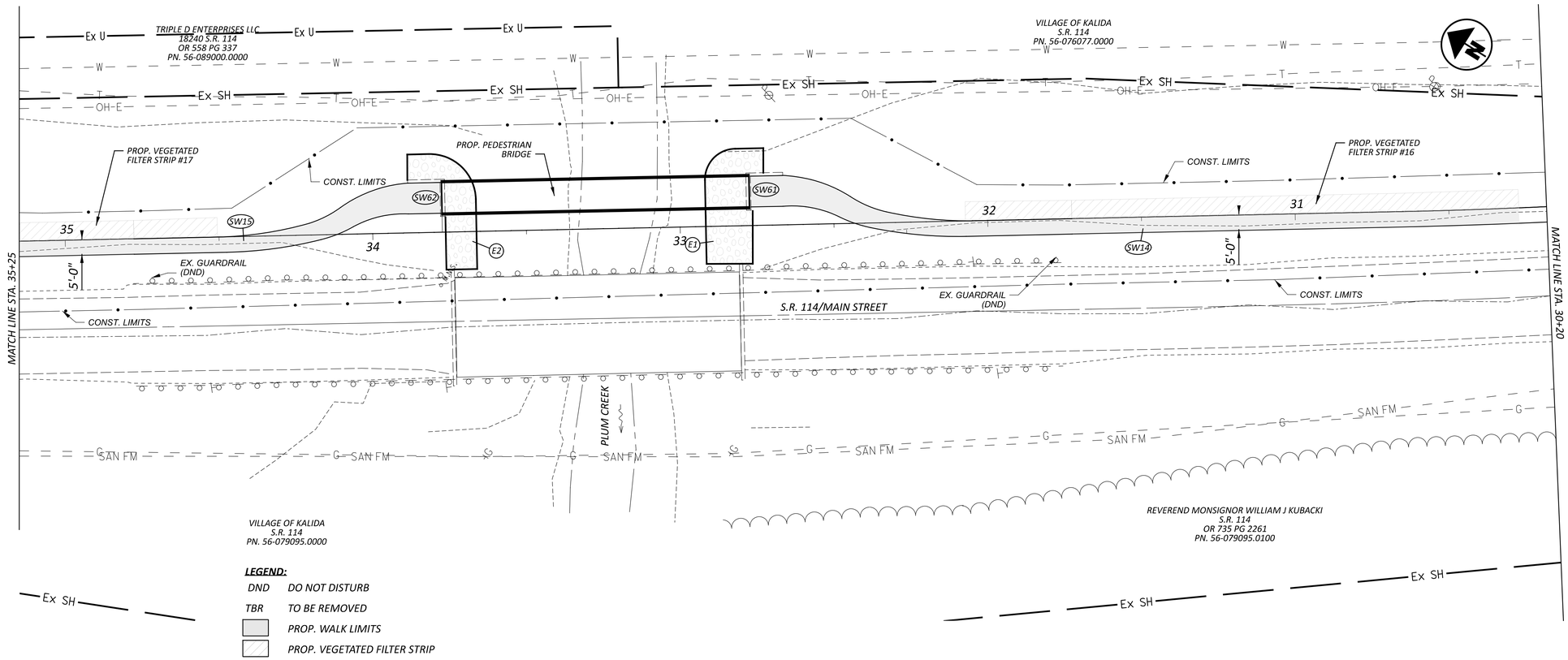
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.29 TOTAL: 144



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TBR	TO BE REMOVED
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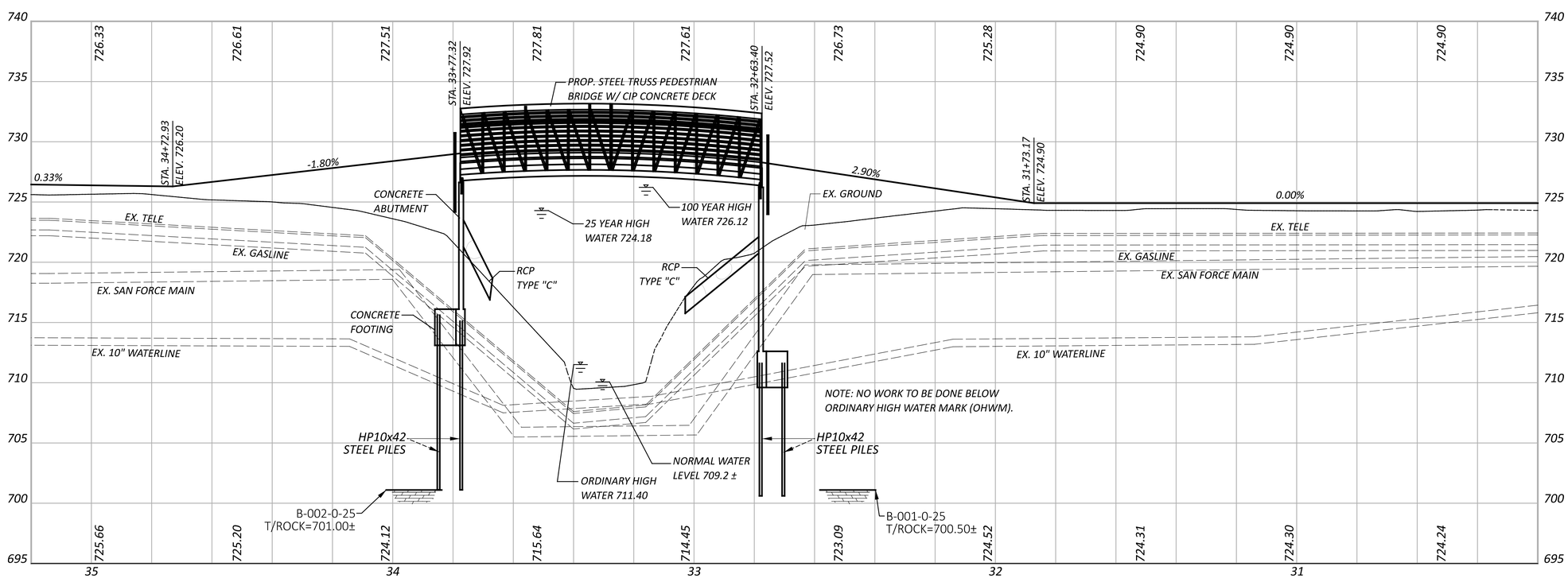
	PROP. VEGETATED FILTER STRIP



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:07:43 AM USER: kbuss
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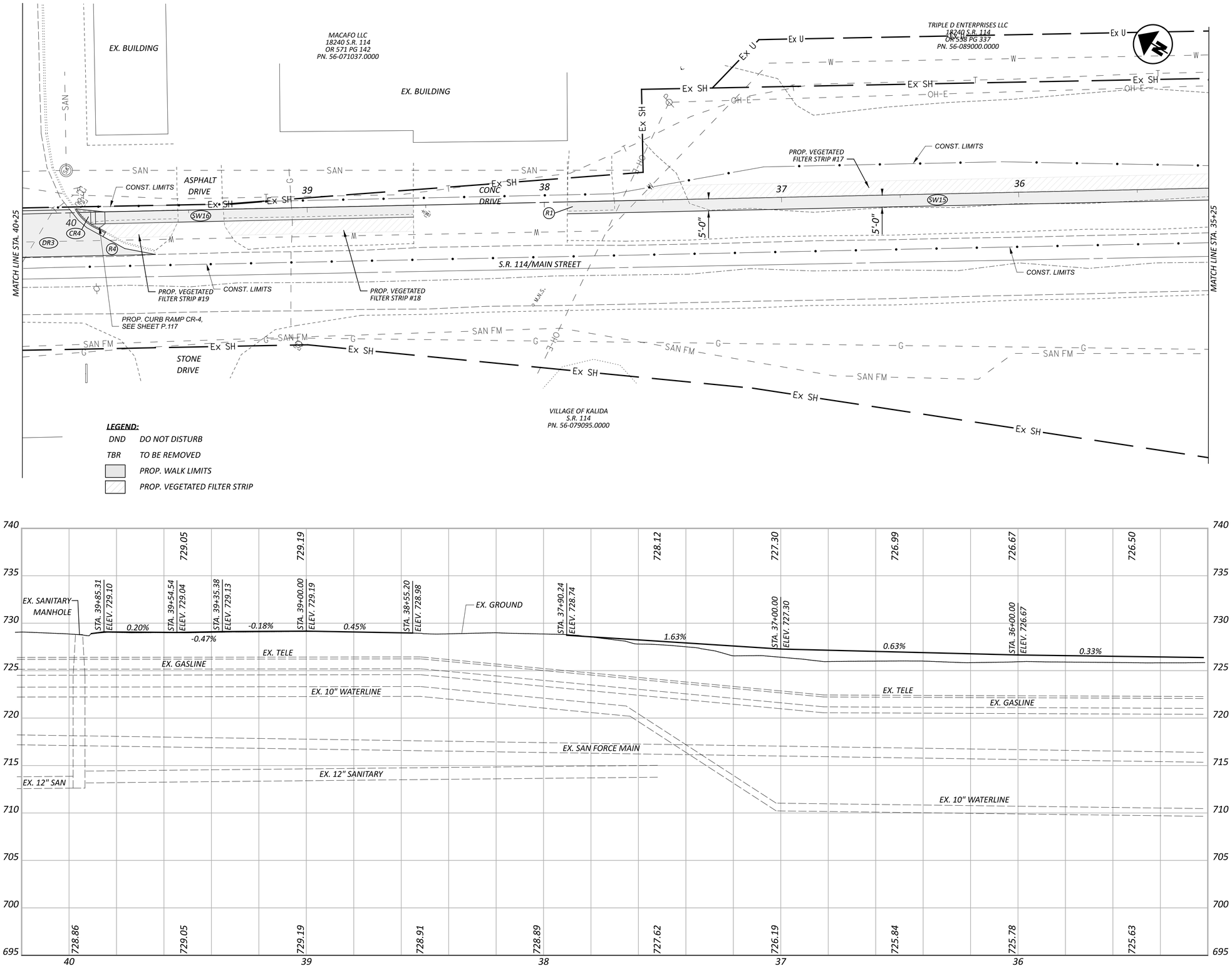
DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.30 TOTAL 144



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:08:13 AM USER: kbuss
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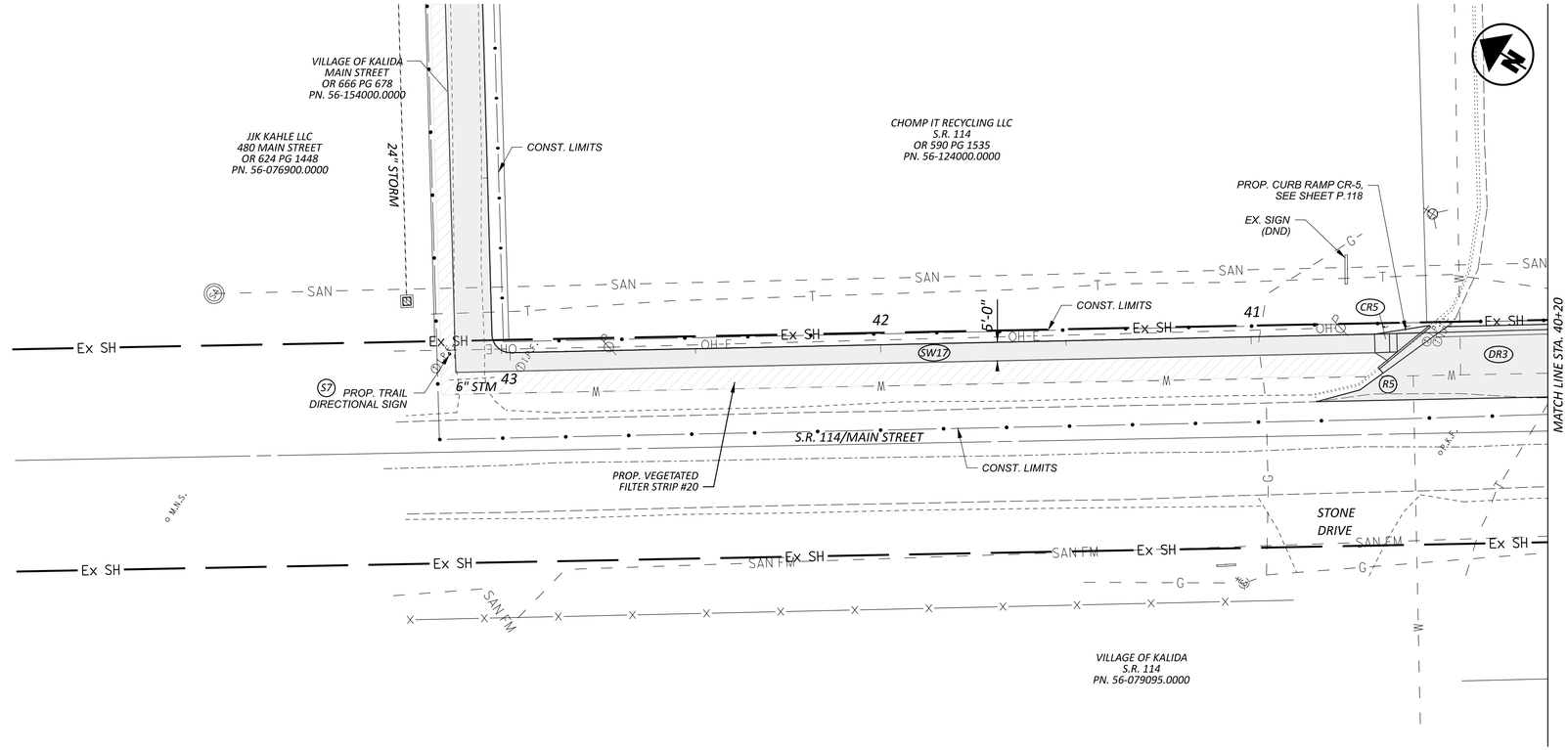
PROJECT ID
121886

SHEET P.31 TOTAL 144



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TBR	TO BE REMOVED
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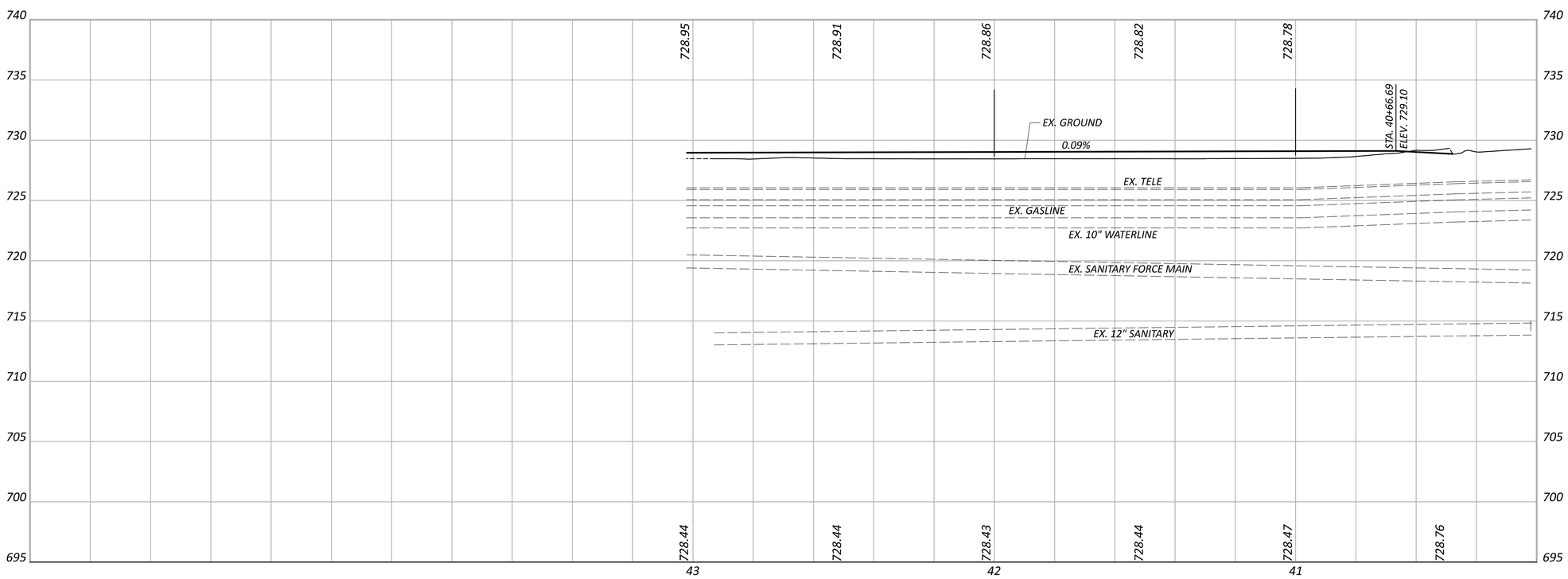

HORIZONTAL
SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

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PROJECT ID
121886

SHEET P.32 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 7:23:27 AM USER: kbuss
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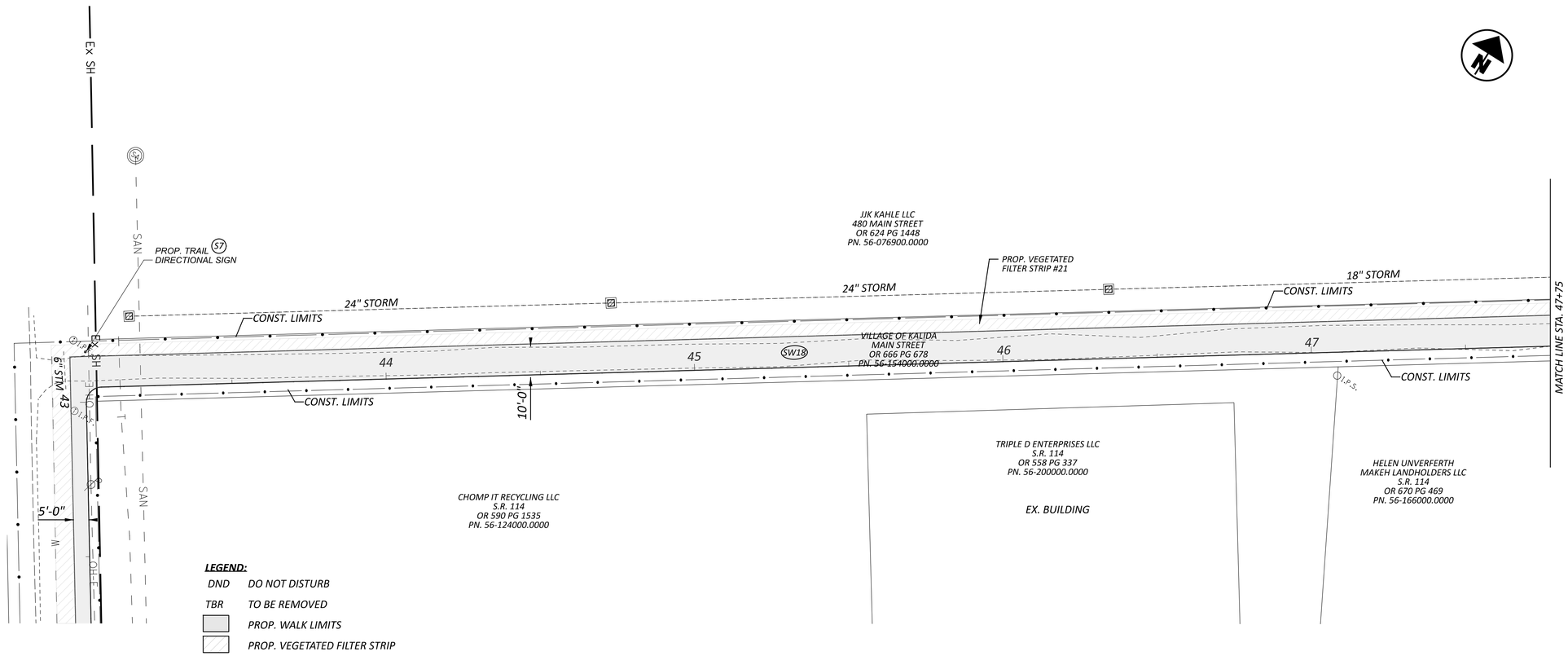

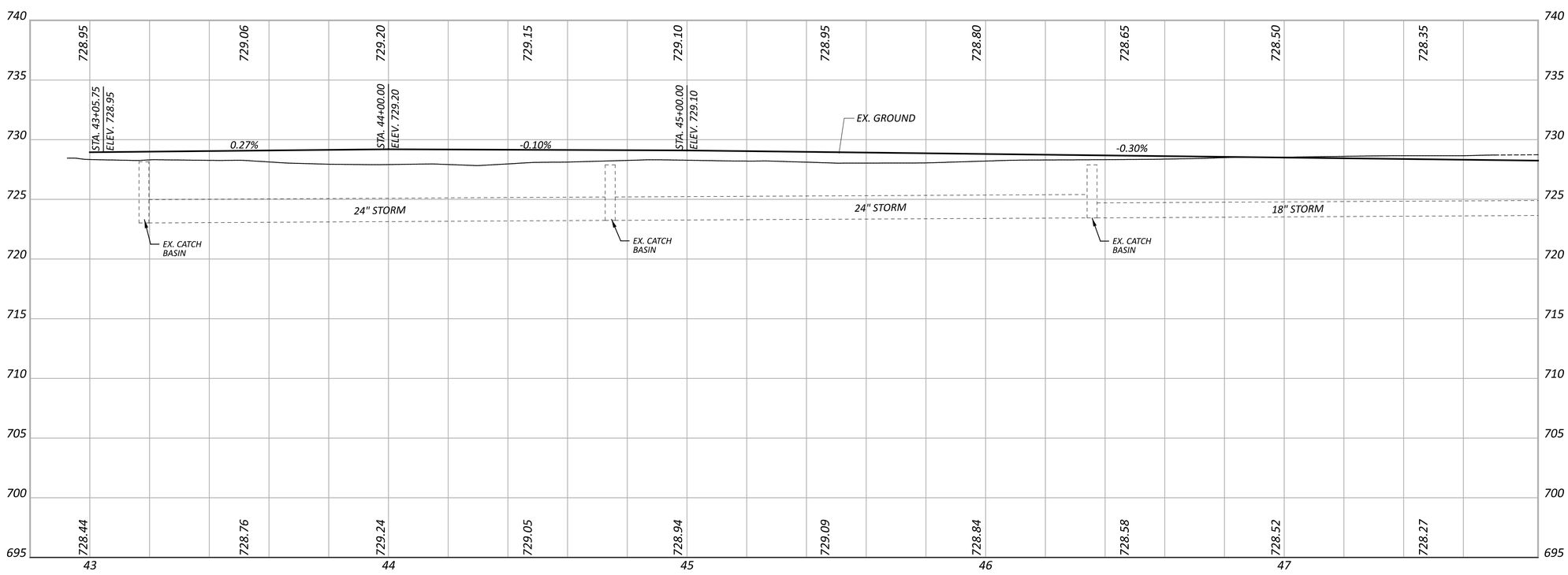

HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:09:08 AM USER: kbuss
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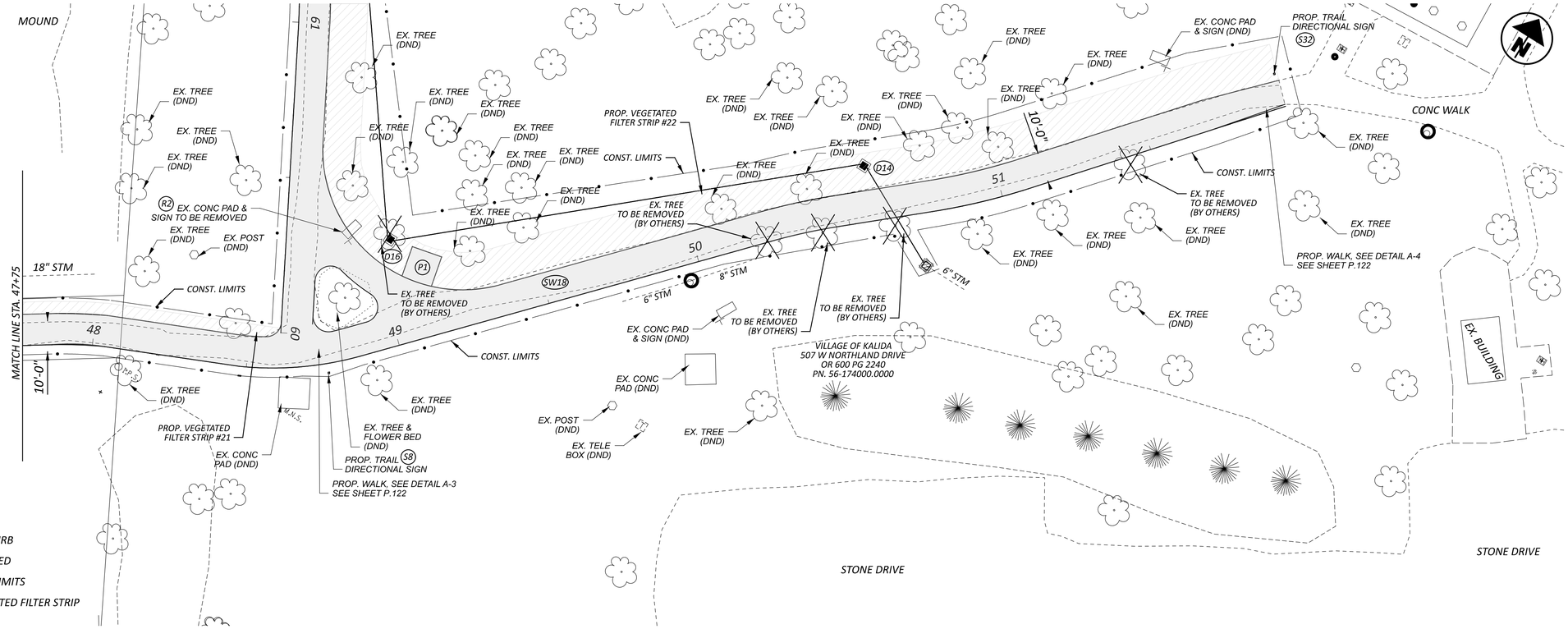
PROJECT ID
121886

SHEET P.33 TOTAL 144



LEGEND:

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TBR	TO BE REMOVED
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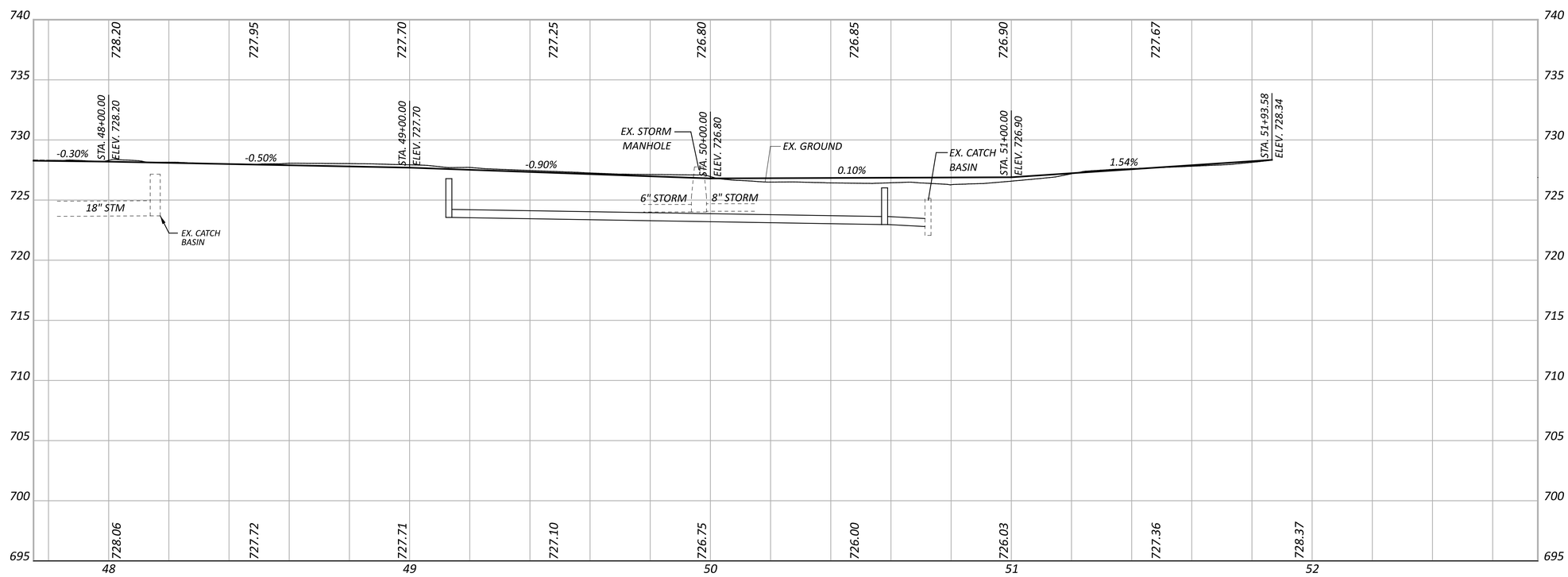

HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

DESIGN AGENCY
Bockrath & Associates
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115 S. Fair Avenue, Suite A - Ottawa - Ohio
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DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.34 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:09:39 AM USER: kbuss
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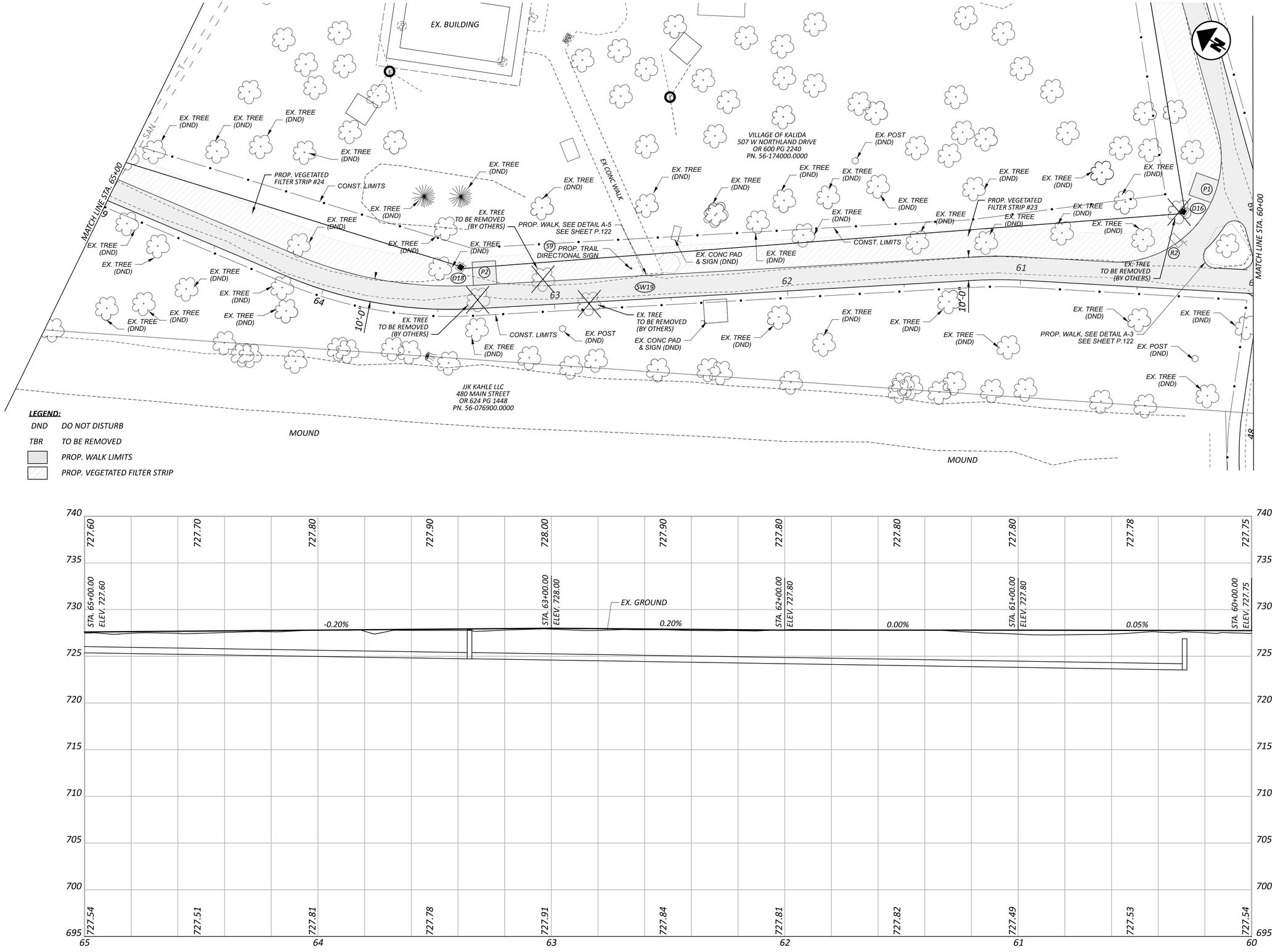

HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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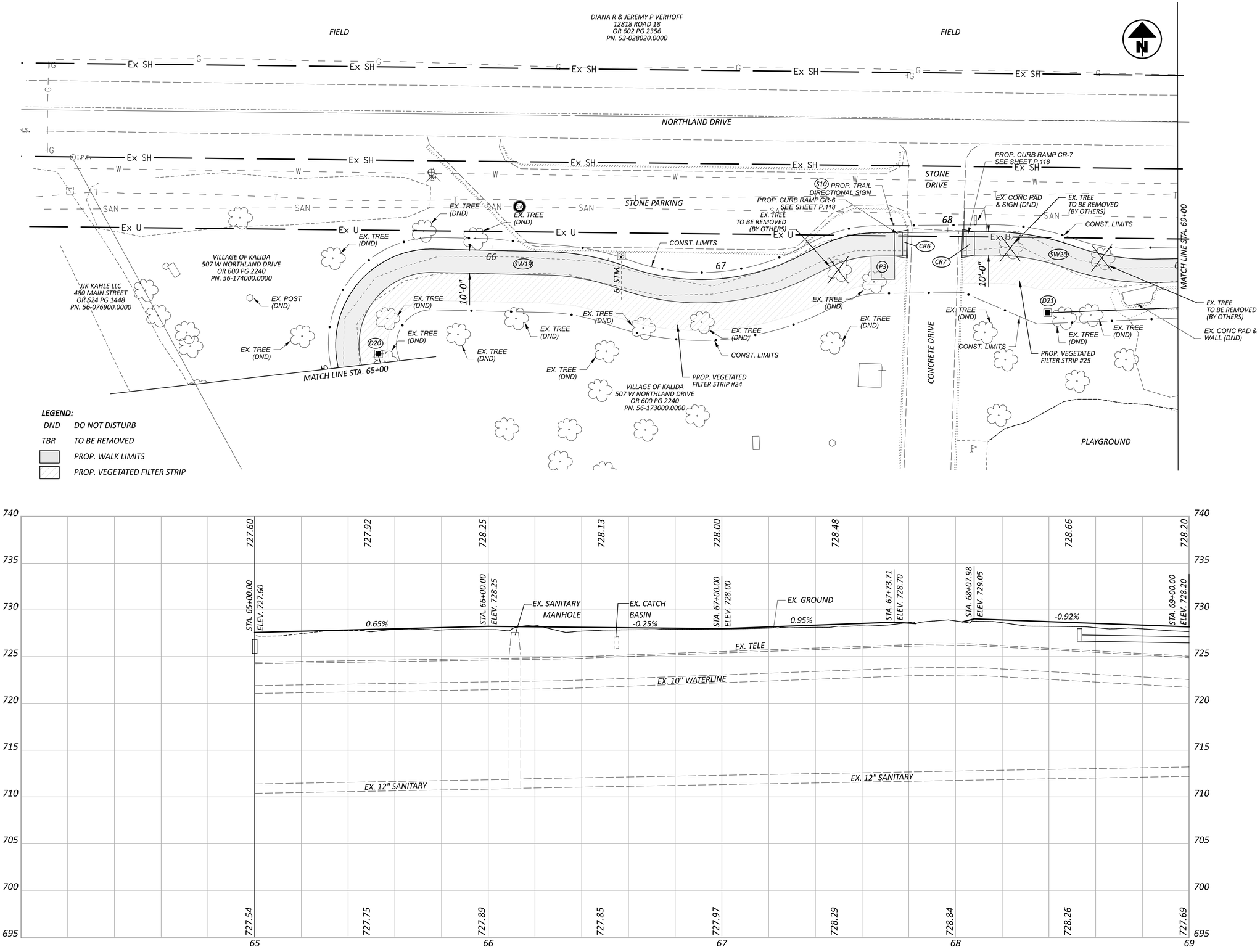
DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.35 TOTAL 144



HORIZONTAL SCALE IN FEET
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SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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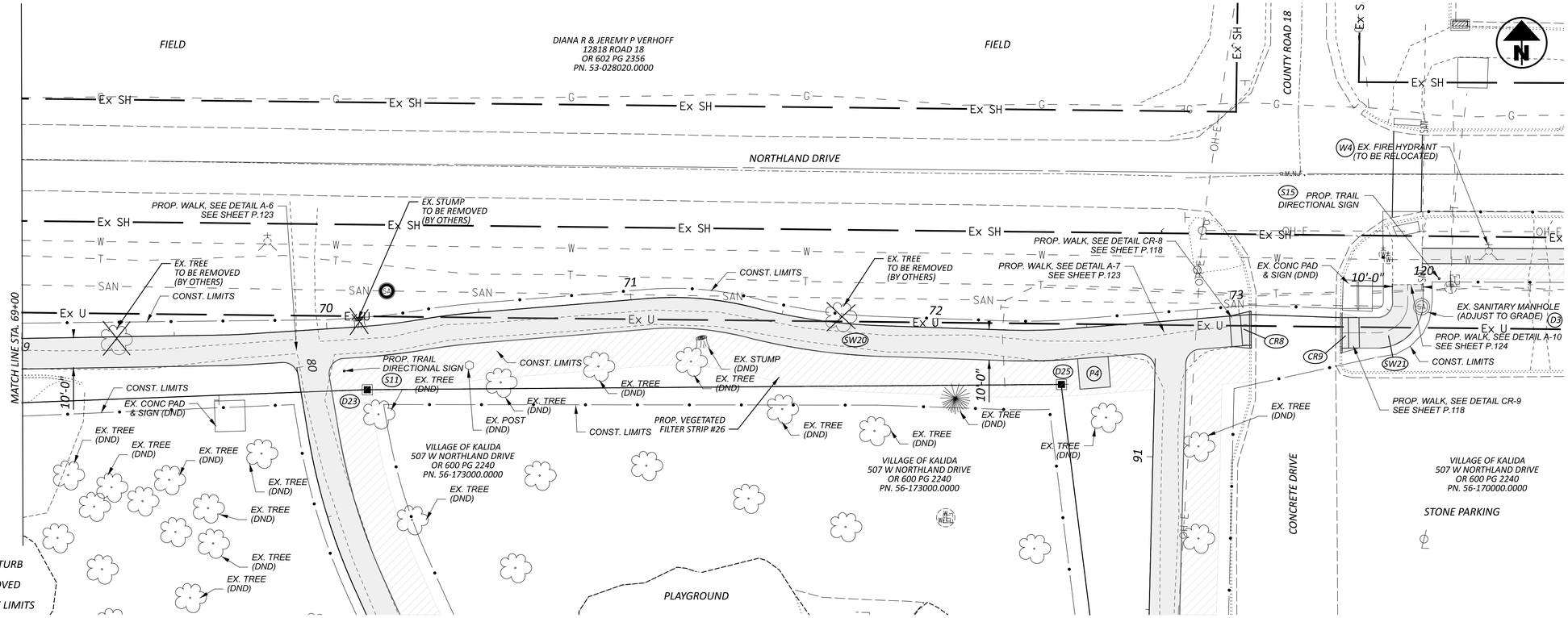
PROJECT ID
121886

SHEET P.36 TOTAL 144



LEGEND:

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TBR	TO BE REMOVED
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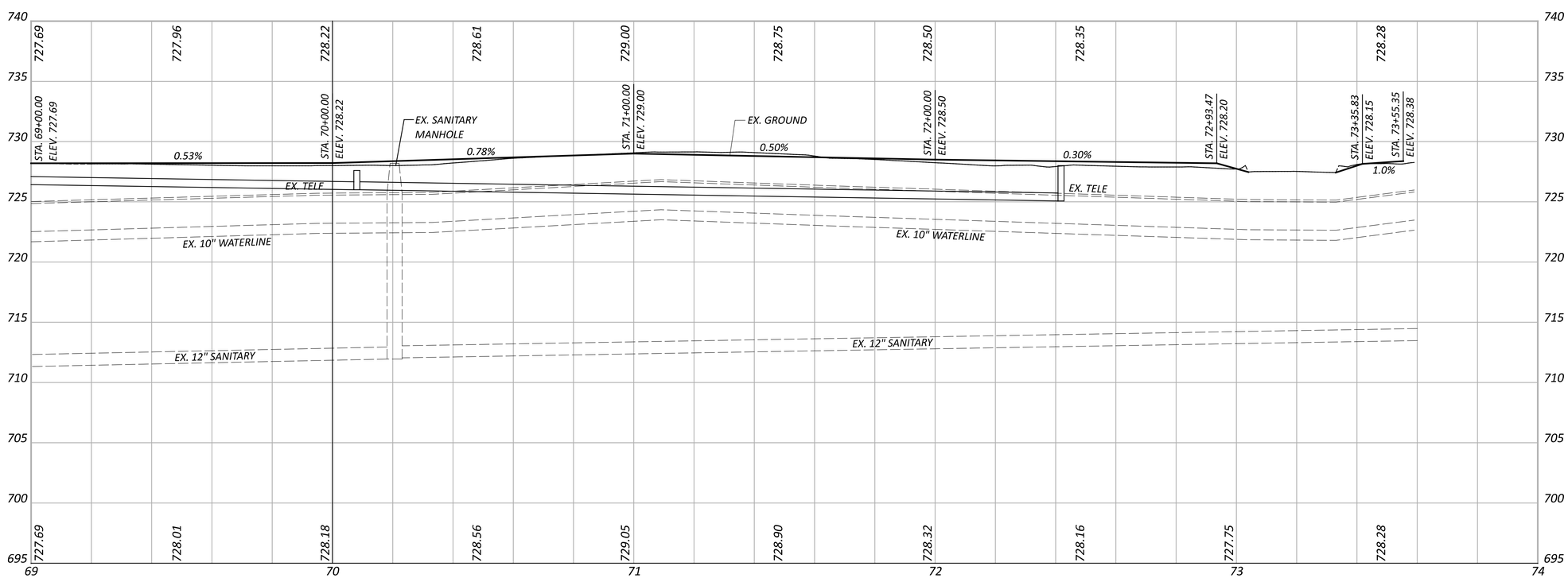
	PROP. VEGETATED FILTER STRIP



HORIZONTAL
SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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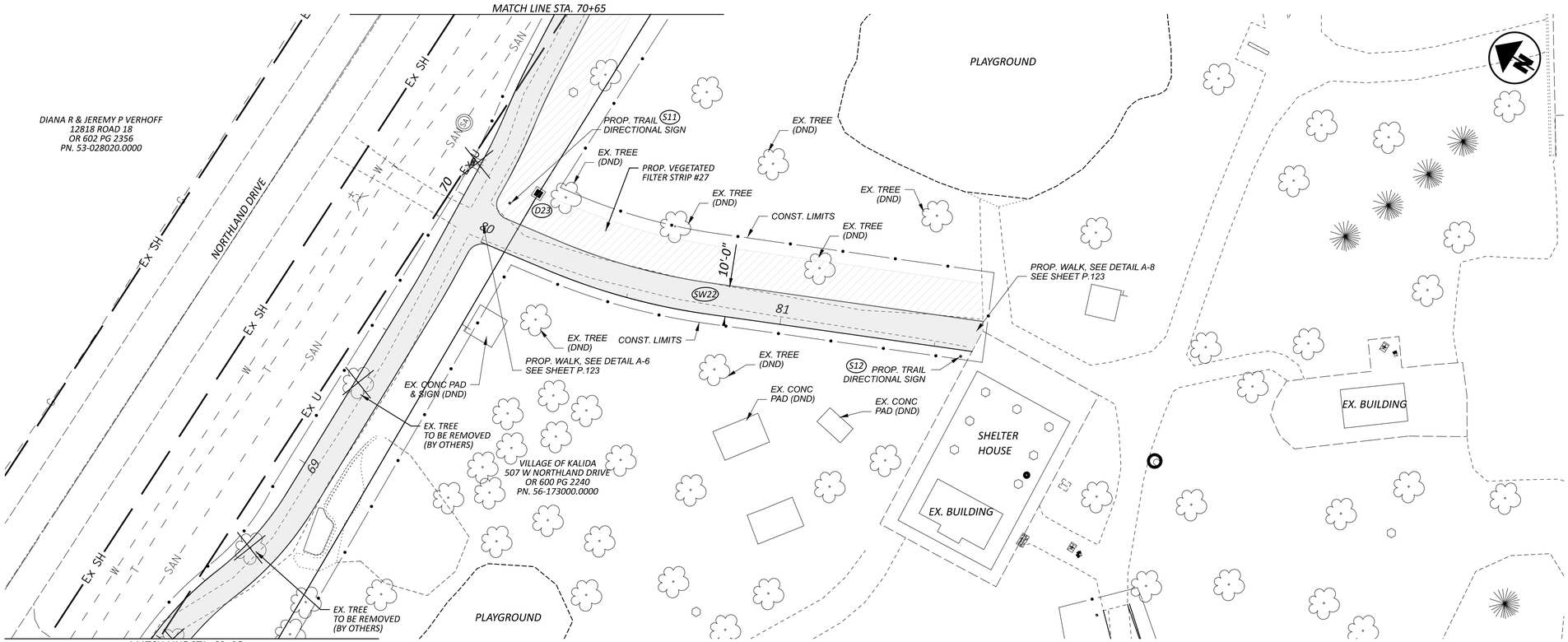
GAB 12-30-25

PROJECT ID
121886



LEGEND:

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TBR	TO BE REMOVED
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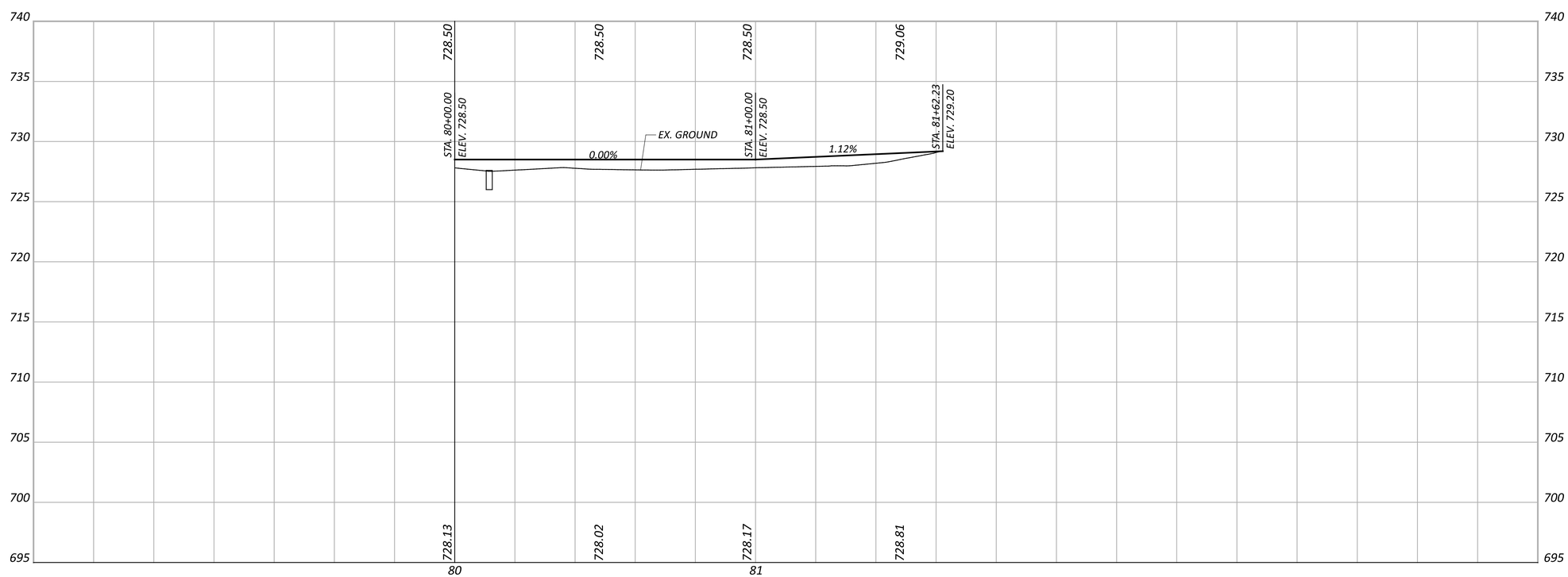

HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:16:58 AM USER: kbuss
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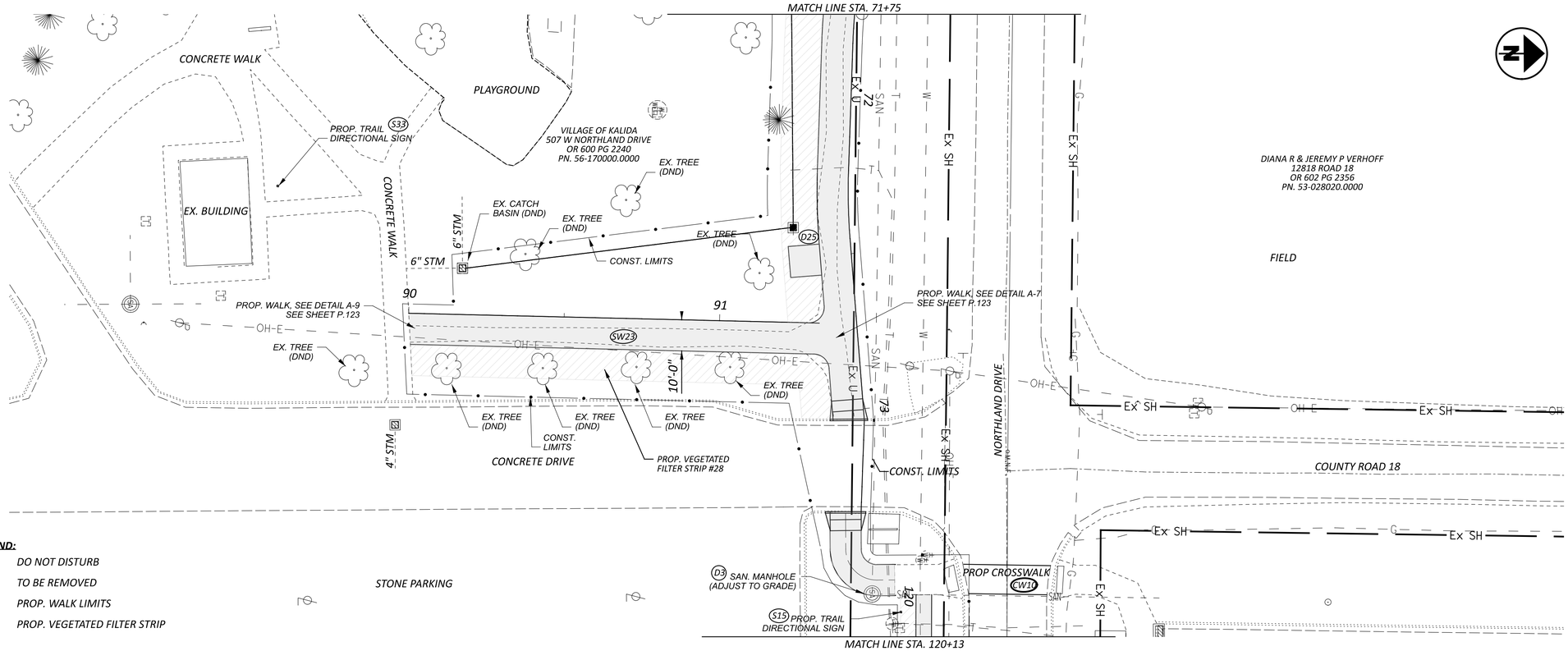
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.38 TOTAL: 144



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TBR	TO BE REMOVED
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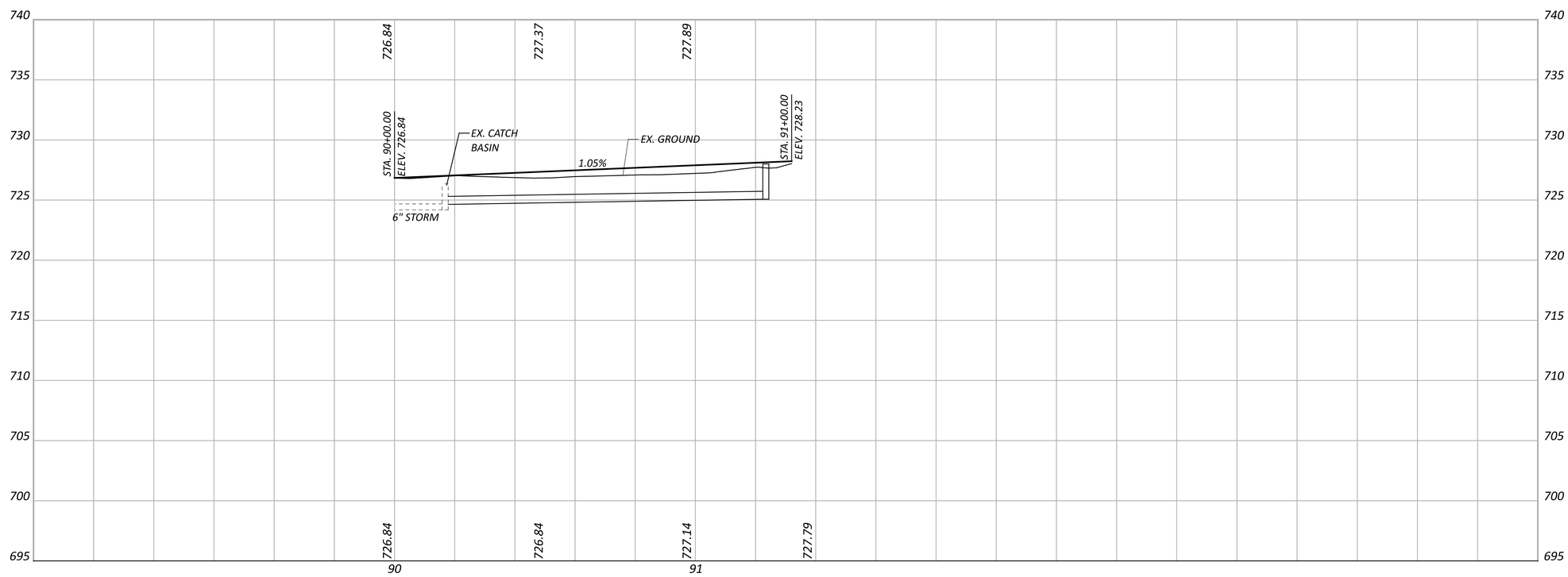
	PROP. VEGETATED FILTER STRIP



SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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Phone: 419.523.5789

DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.39 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

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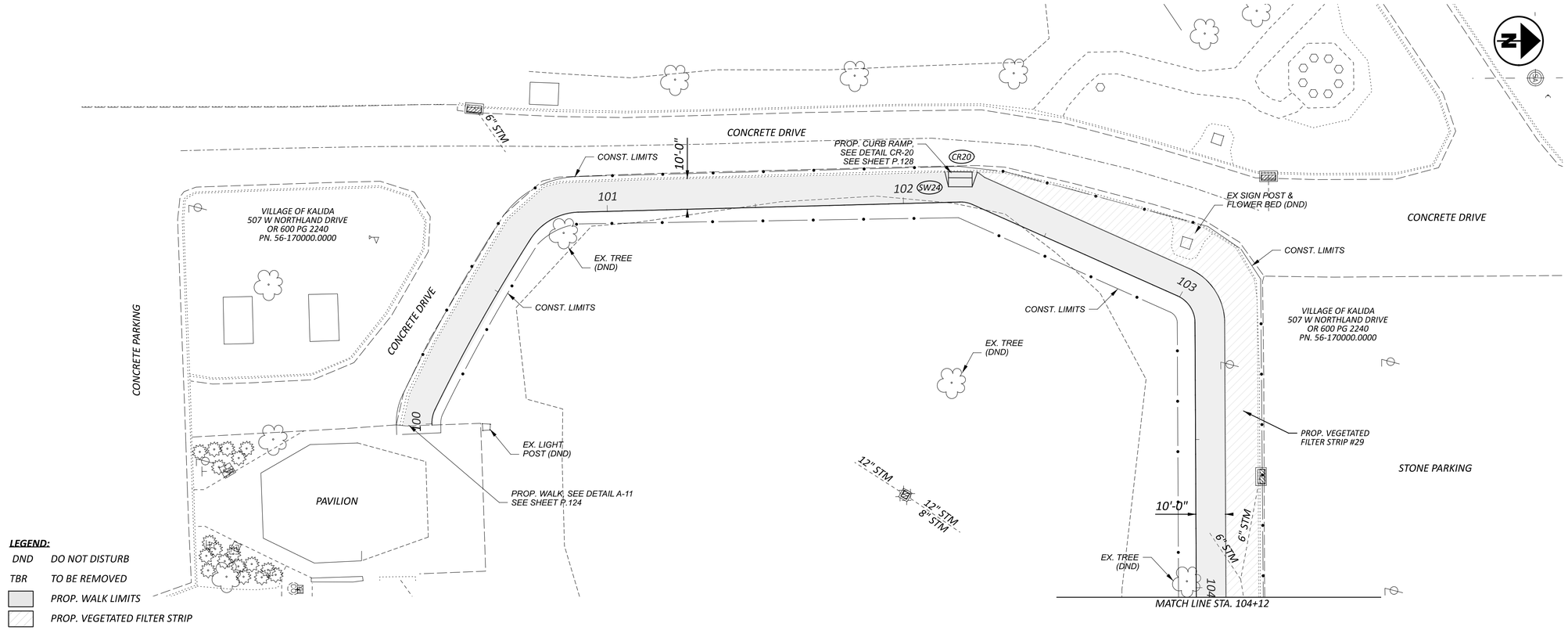

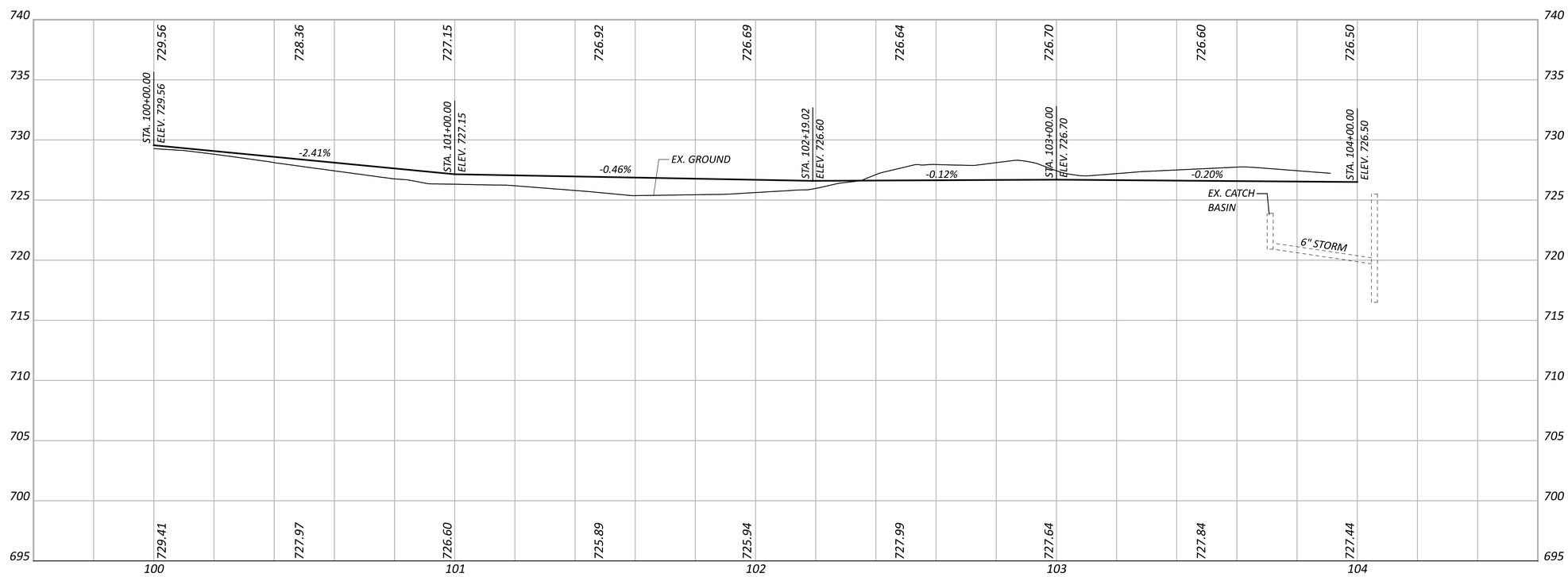

HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

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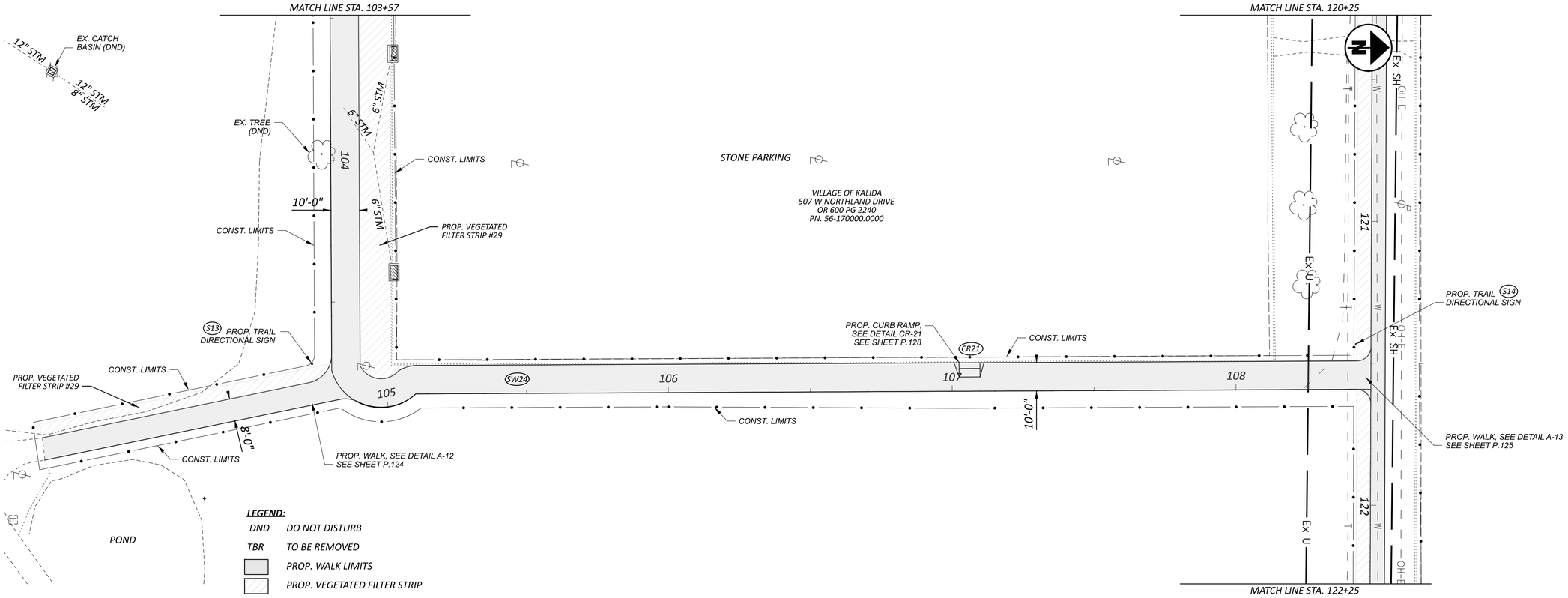
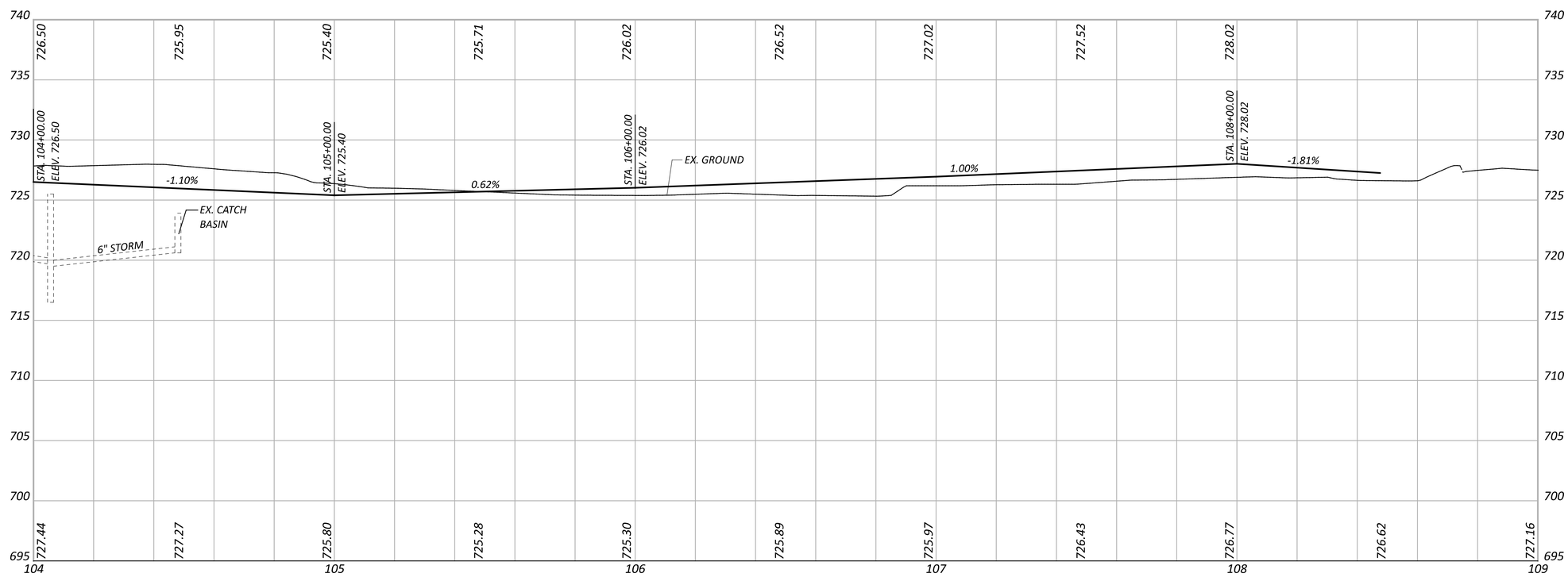
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.40 TOTAL 144





HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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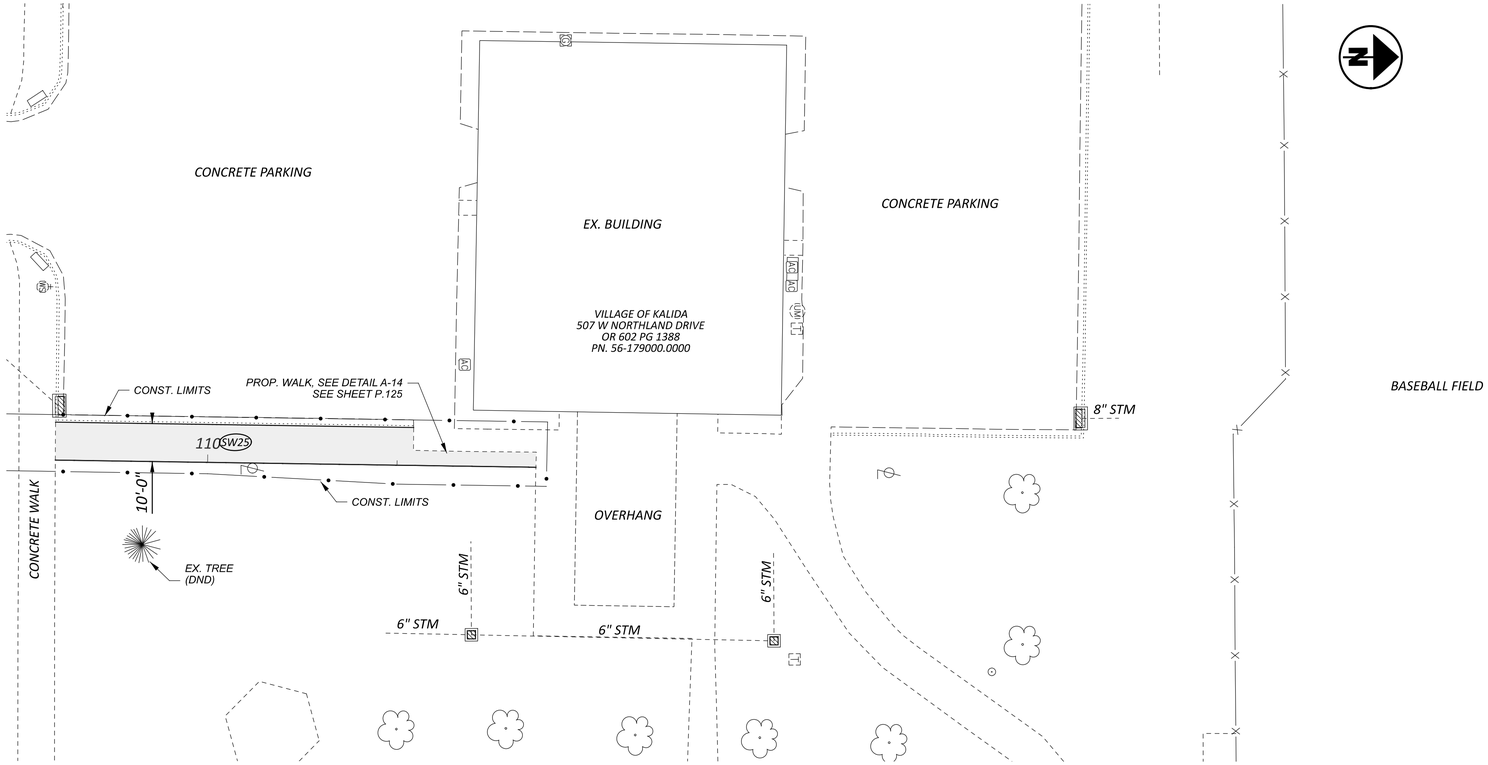
REVIEWER GAB 12-30-25
PROJECT ID 121886



LEGEND:

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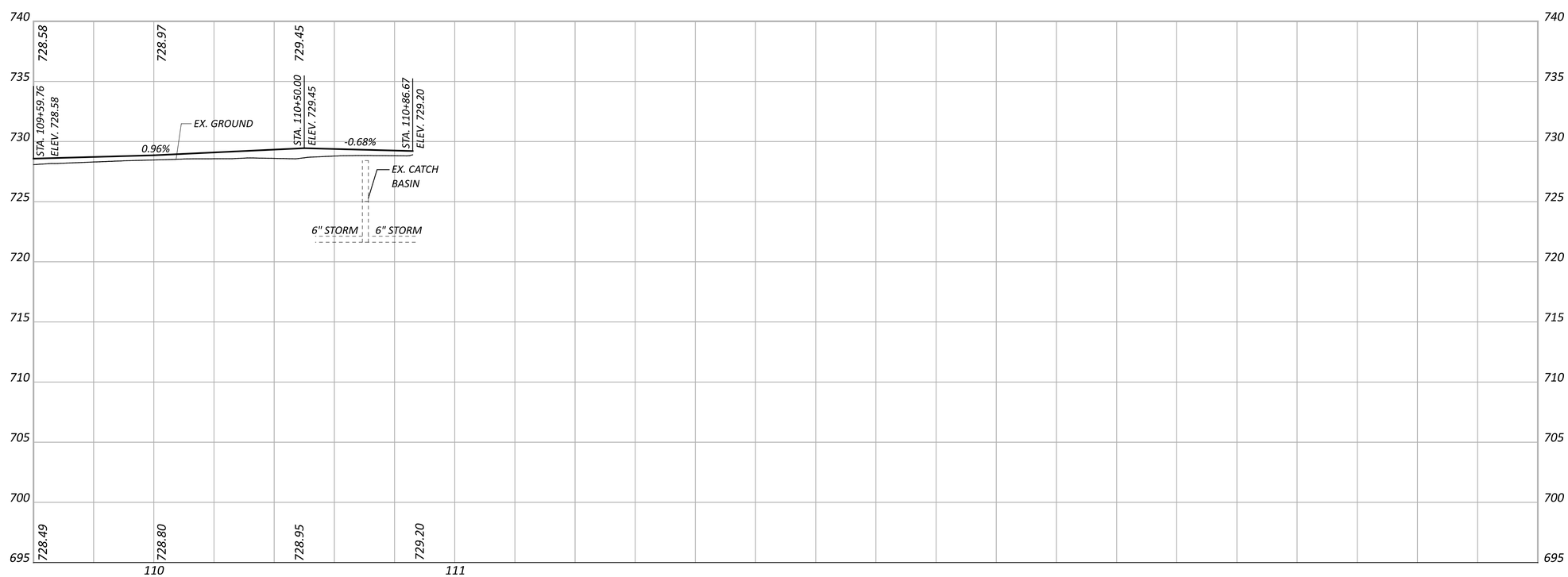
TBR	TO BE REMOVED
	PROP. WALK LIMITS
	PROP. VEGETATED FILTER STRIP



HORIZONTAL
SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER
KMB

REVIEWER
GAB 12-30-25

PROJECT ID
121886

SHEET P.42 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:19:05 AM USER: kbuss
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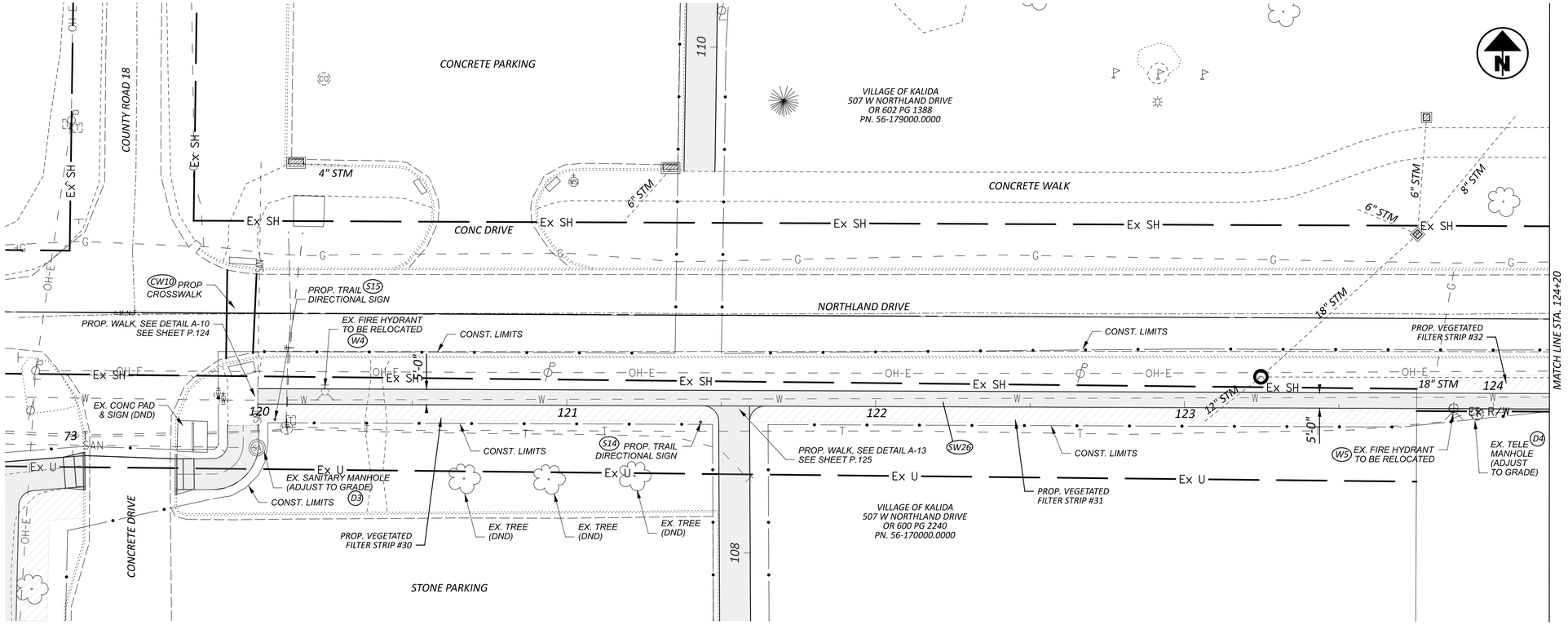

LEGEND:

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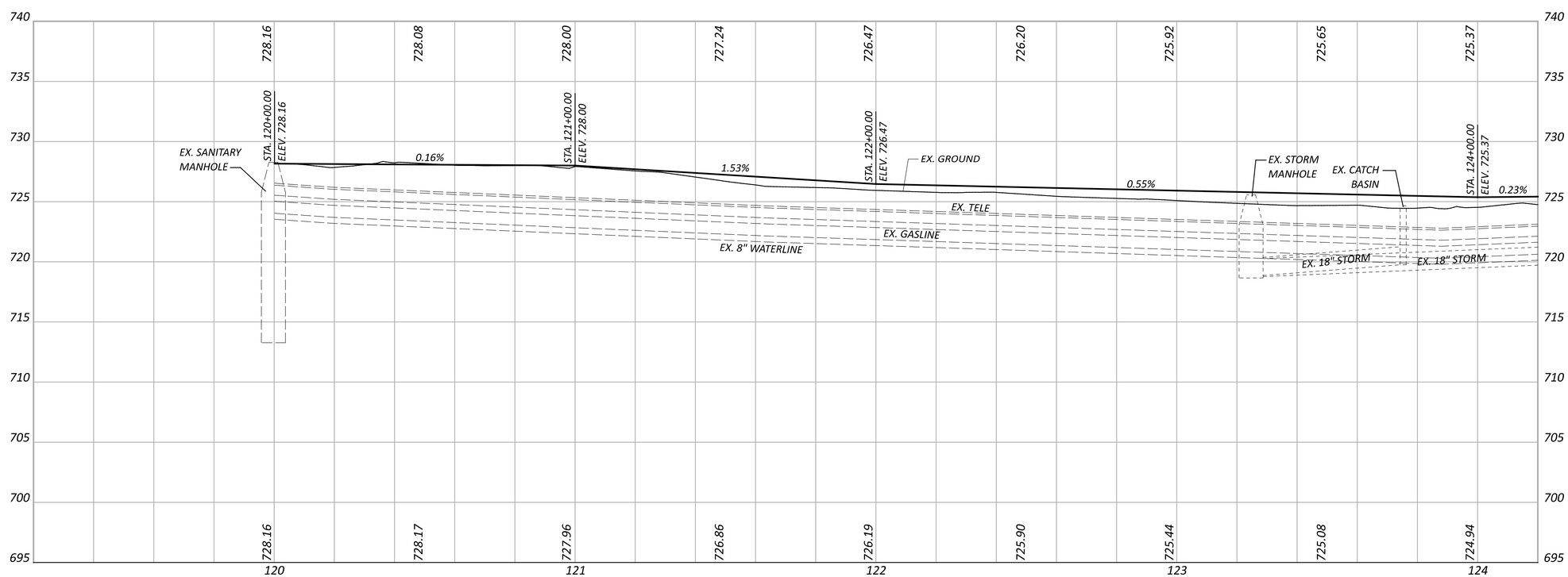
TBR	TO BE REMOVED
	PROP. WALK LIMITS
	PROP. VEGETATED FILTER STRIP



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:19:53 AM USER: kbuss
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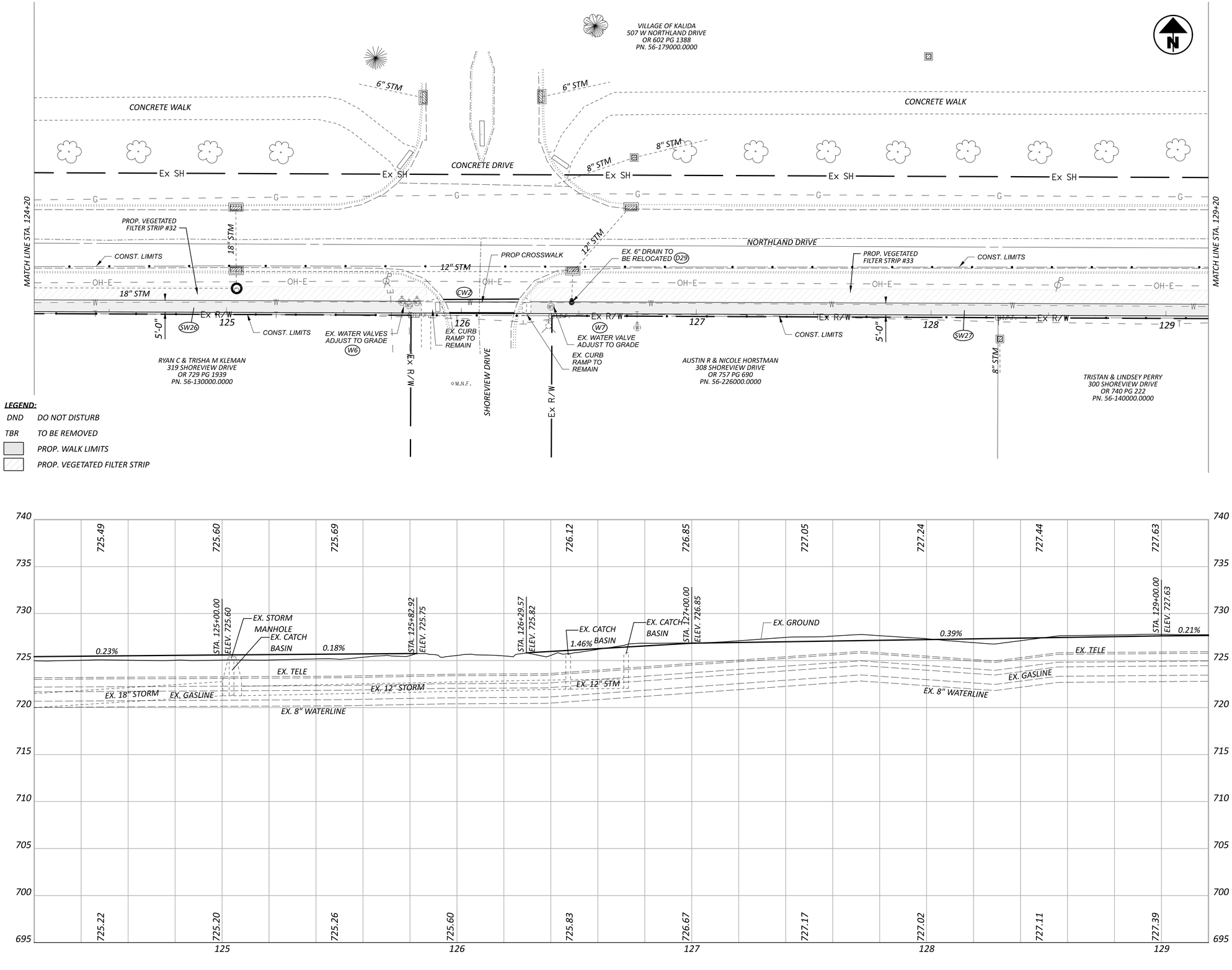
Phone: 419.523.5789

DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.43 TOTAL: 144



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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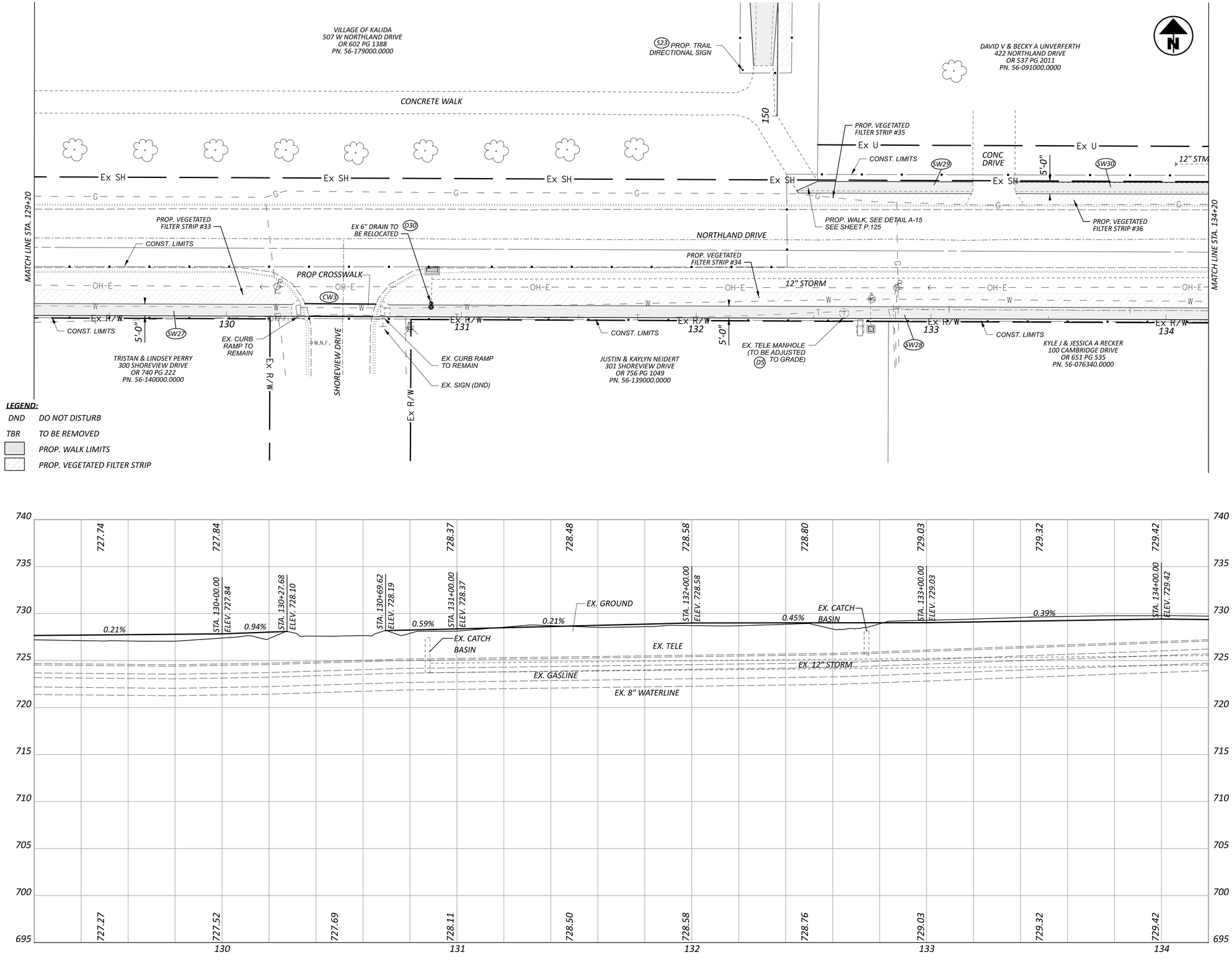
DESIGNER
KMB

REVIEWER
GAB 12-30-25

PROJECT ID
121886

SHEET P.44 TOTAL 144



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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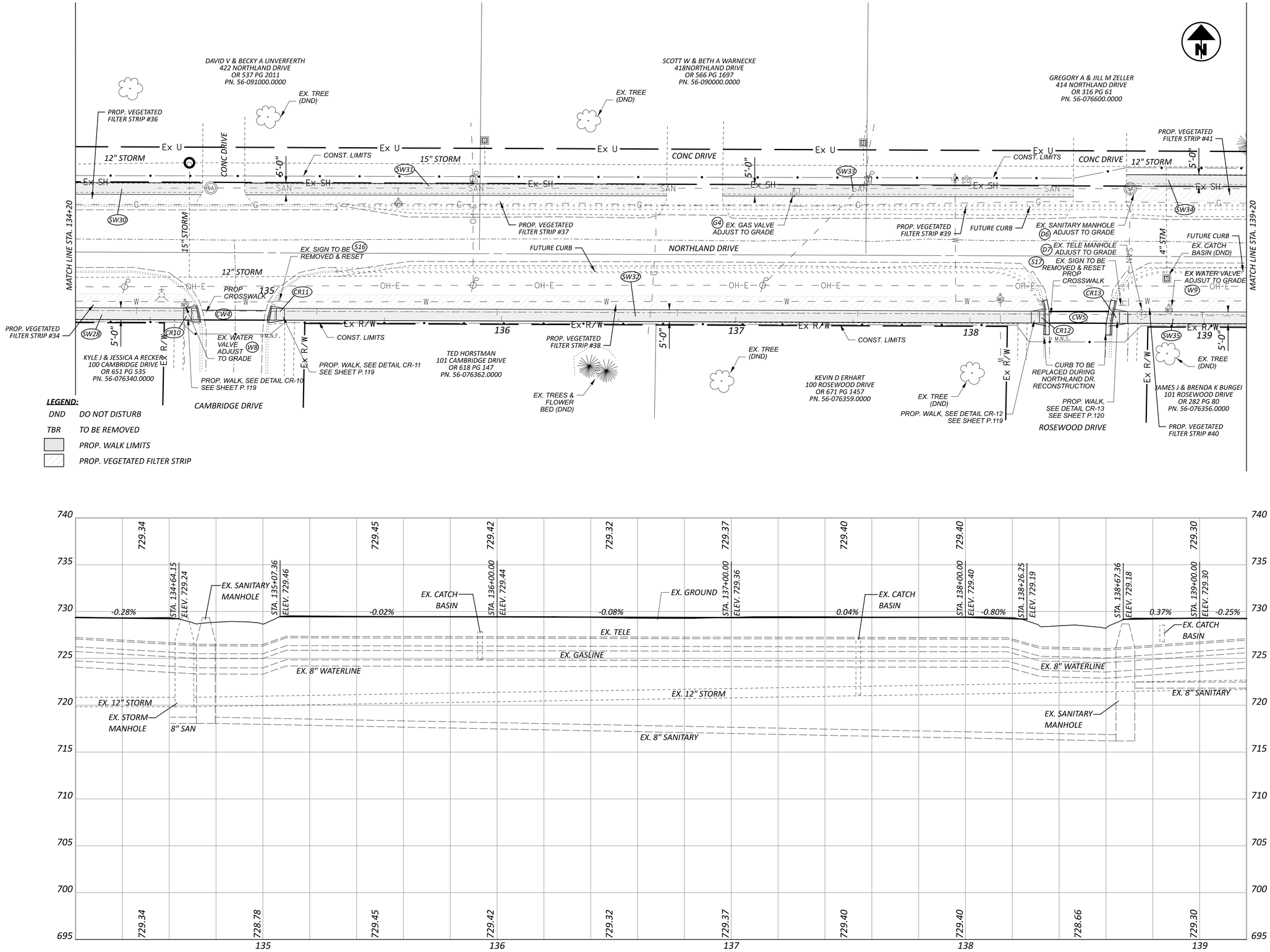
DESIGNER	KMB
REVIEWER	GAB 12-30-25
PROJECT ID	121886
SHEET	P.45
TOTAL	144



HORIZONTAL SCALE IN FEET
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SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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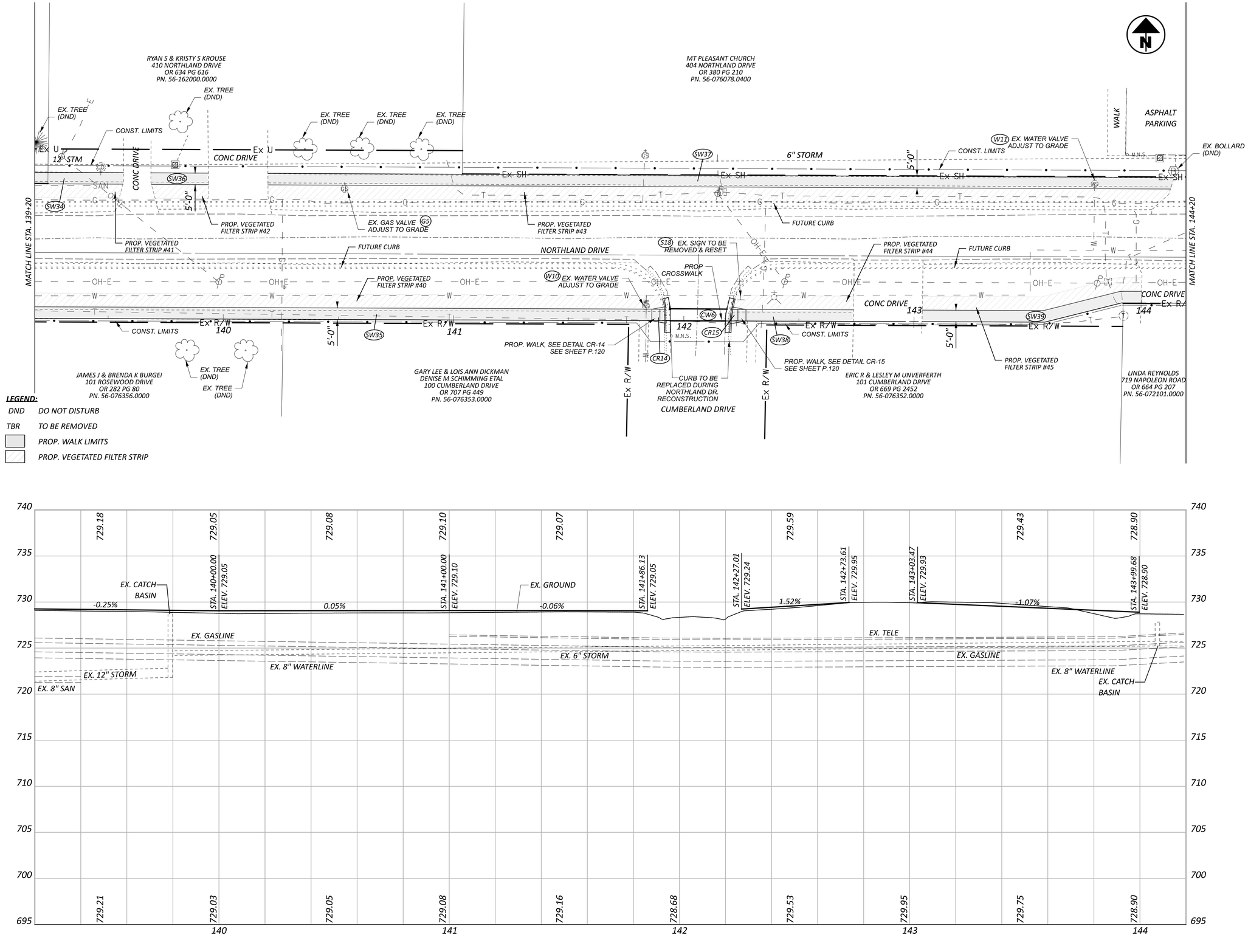
DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.46 TOTAL 144



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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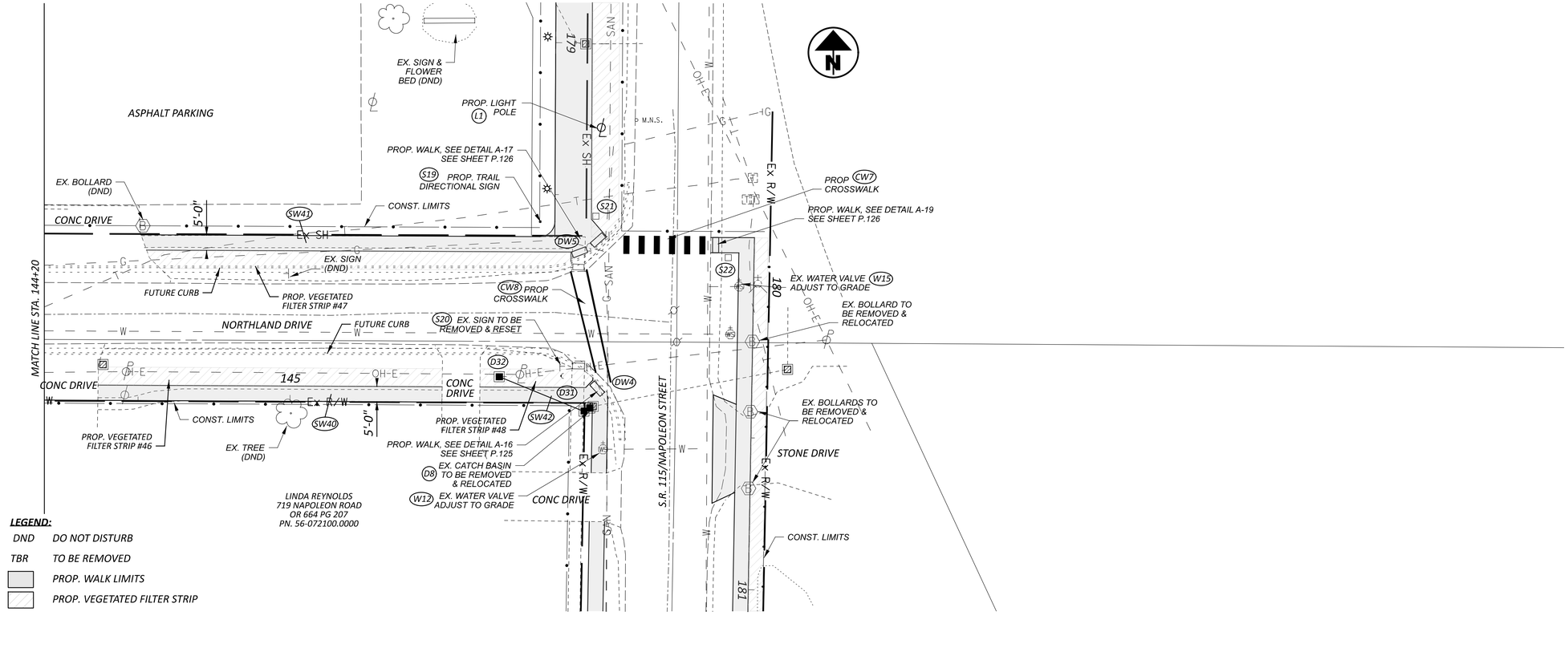
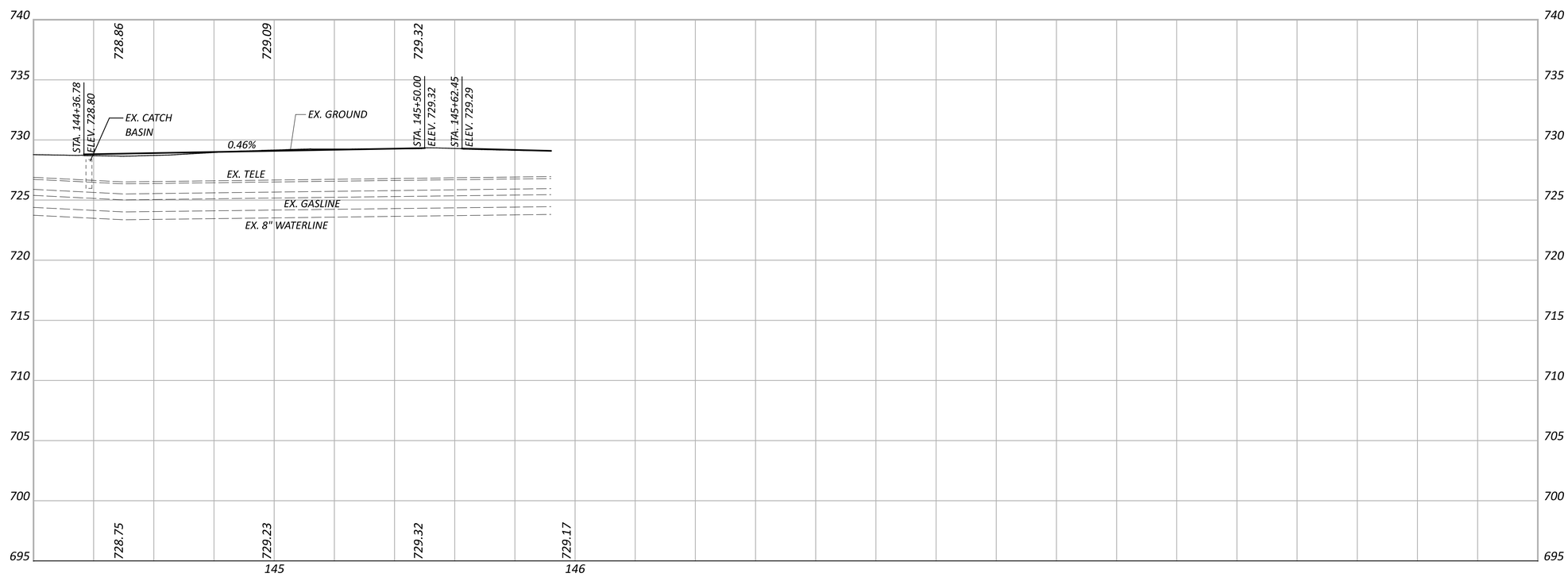
DESIGNER	KMB
REVIEWER	GAB 12-30-25
PROJECT ID	121886
SHEET	P.47
TOTAL	144





HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

DESIGN AGENCY
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DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SHEET P.48 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/2/2026 TIME: 11:41:23 AM USER: kbuss
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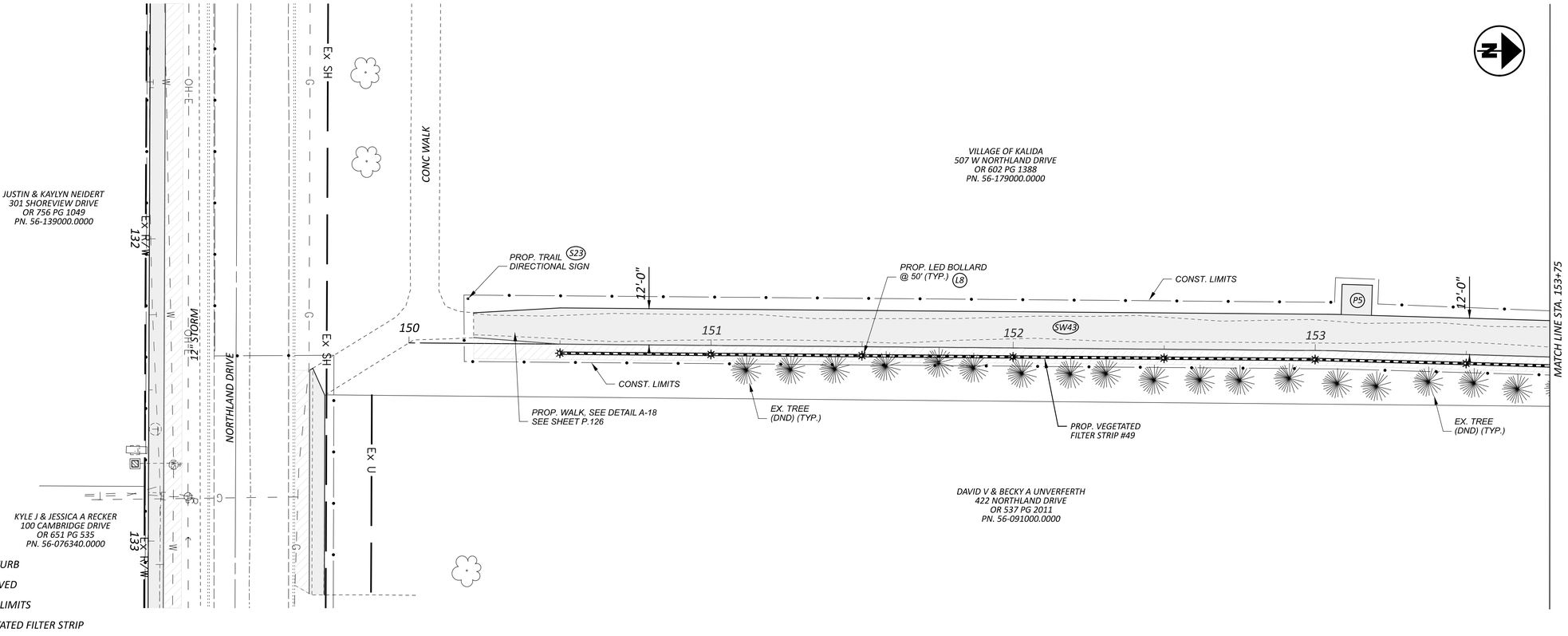

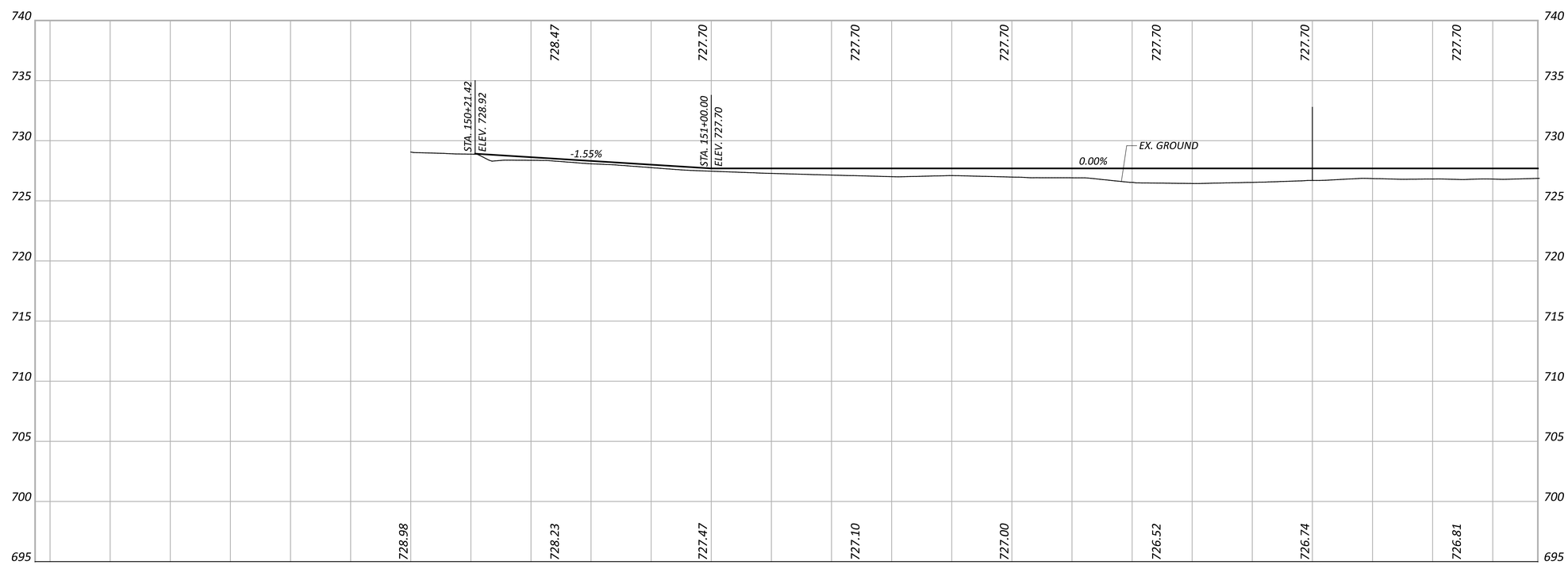

HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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DESIGNER
KMB

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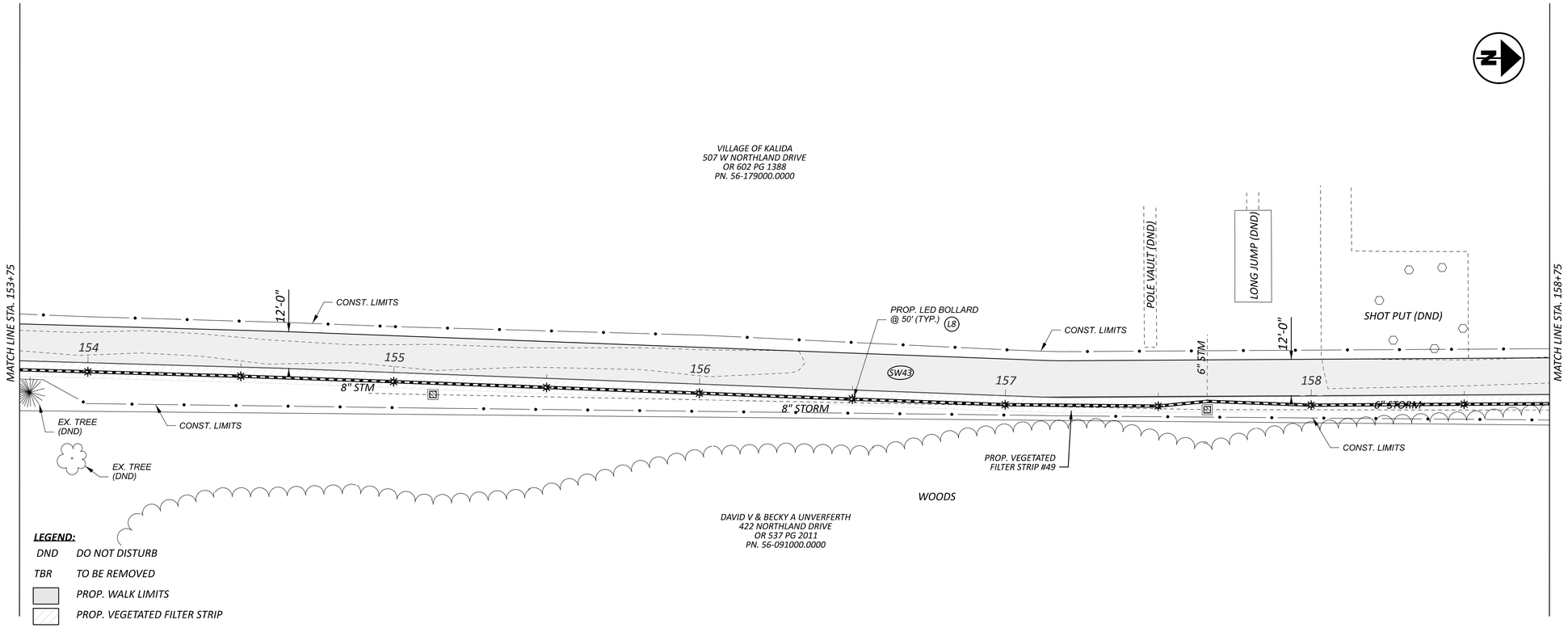
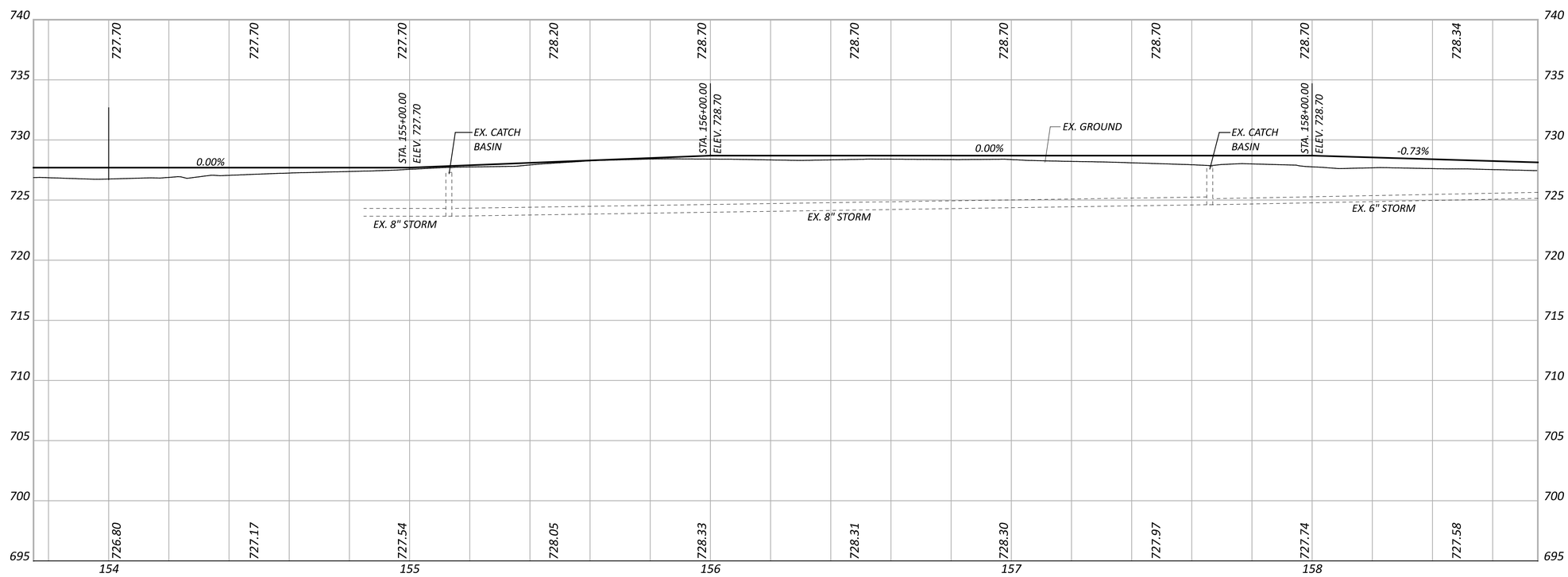
GAB 12-30-25

PROJECT ID
121886

SHEET P.49 TOTAL 144





HORIZONTAL
SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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Phone: 419.523.5789

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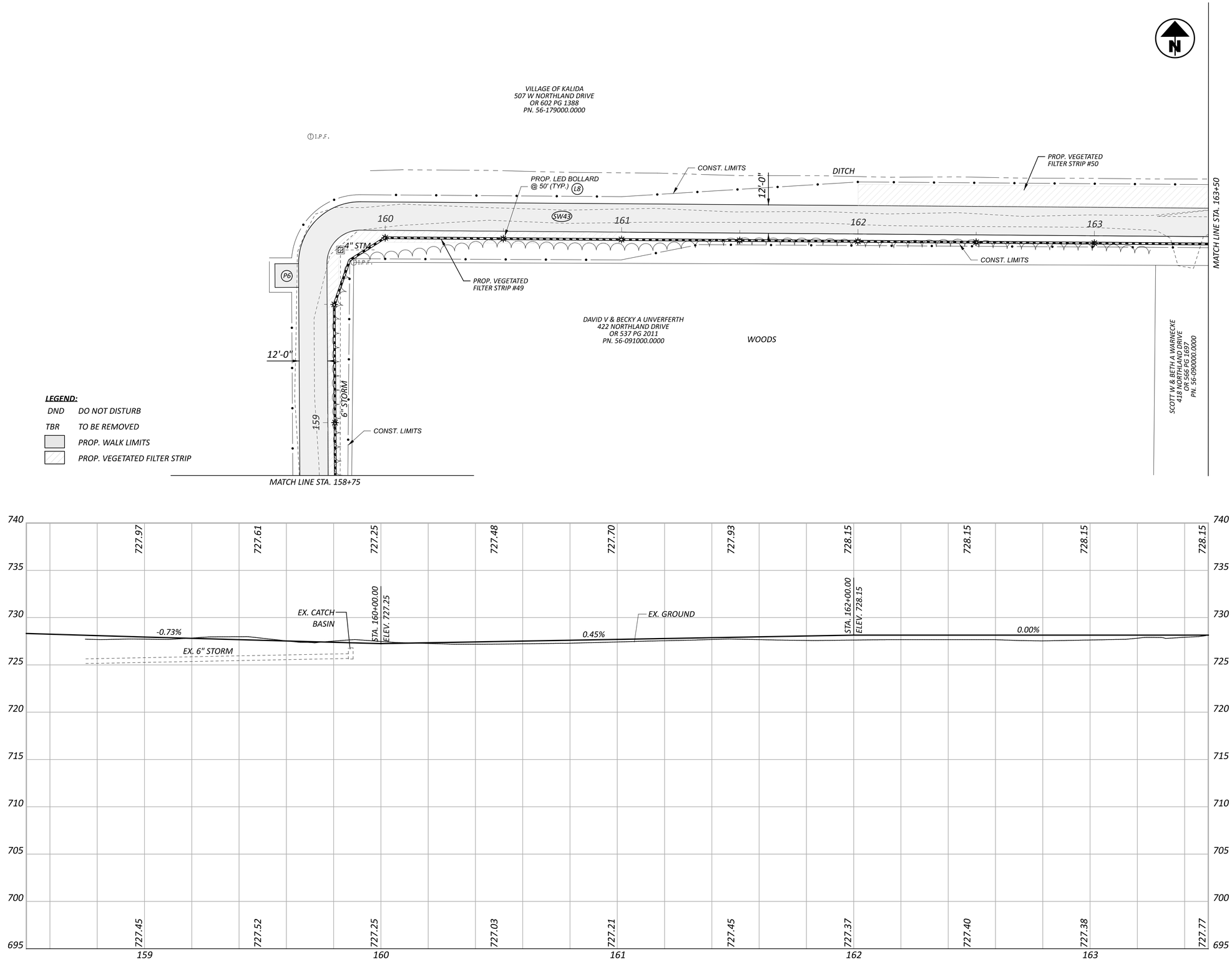
KMB

REVIEWER
GAB 12-30-25

PROJECT ID
121886

SHEET P.50 TOTAL 144



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.51 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:27:16 AM USER: kbuss
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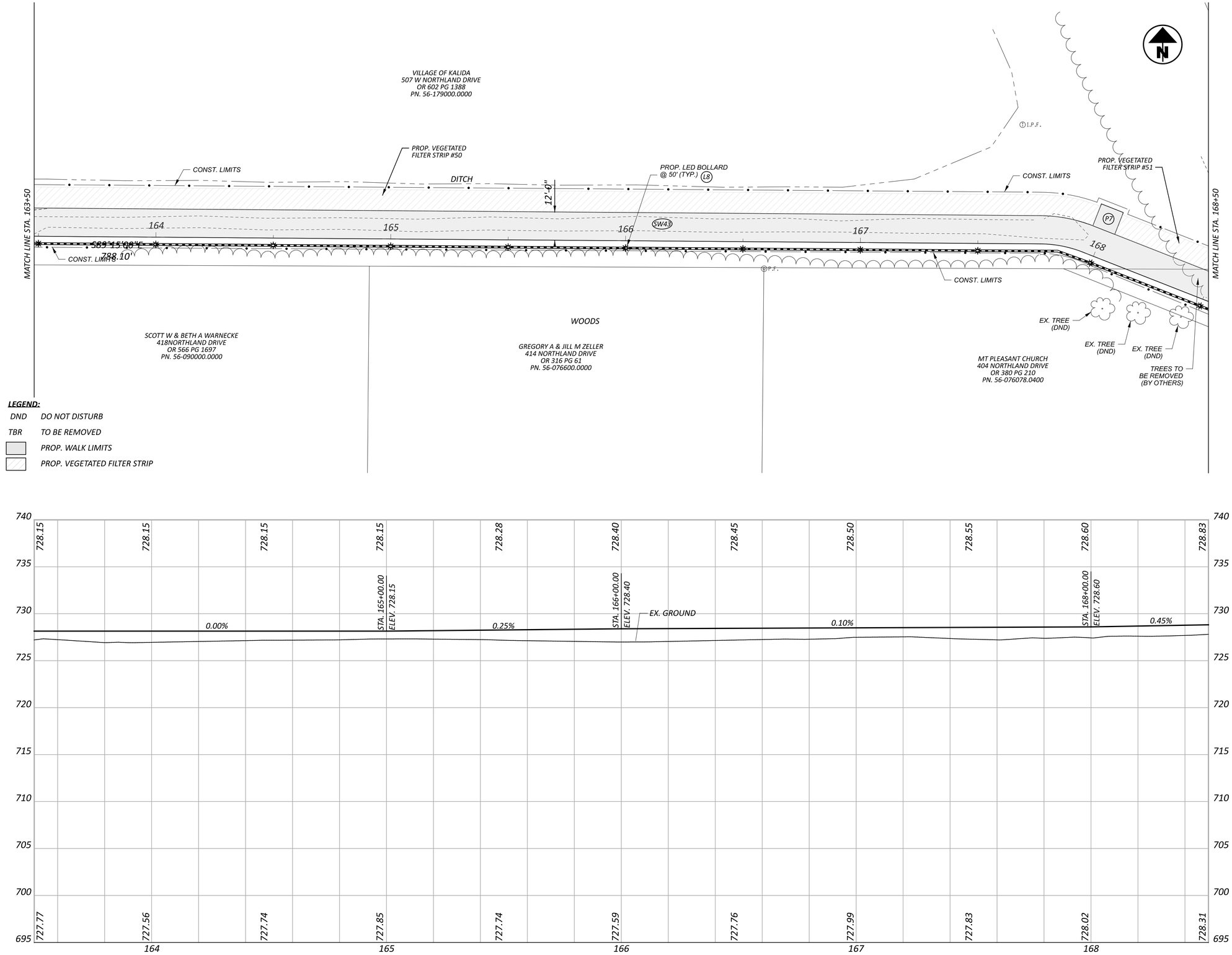

HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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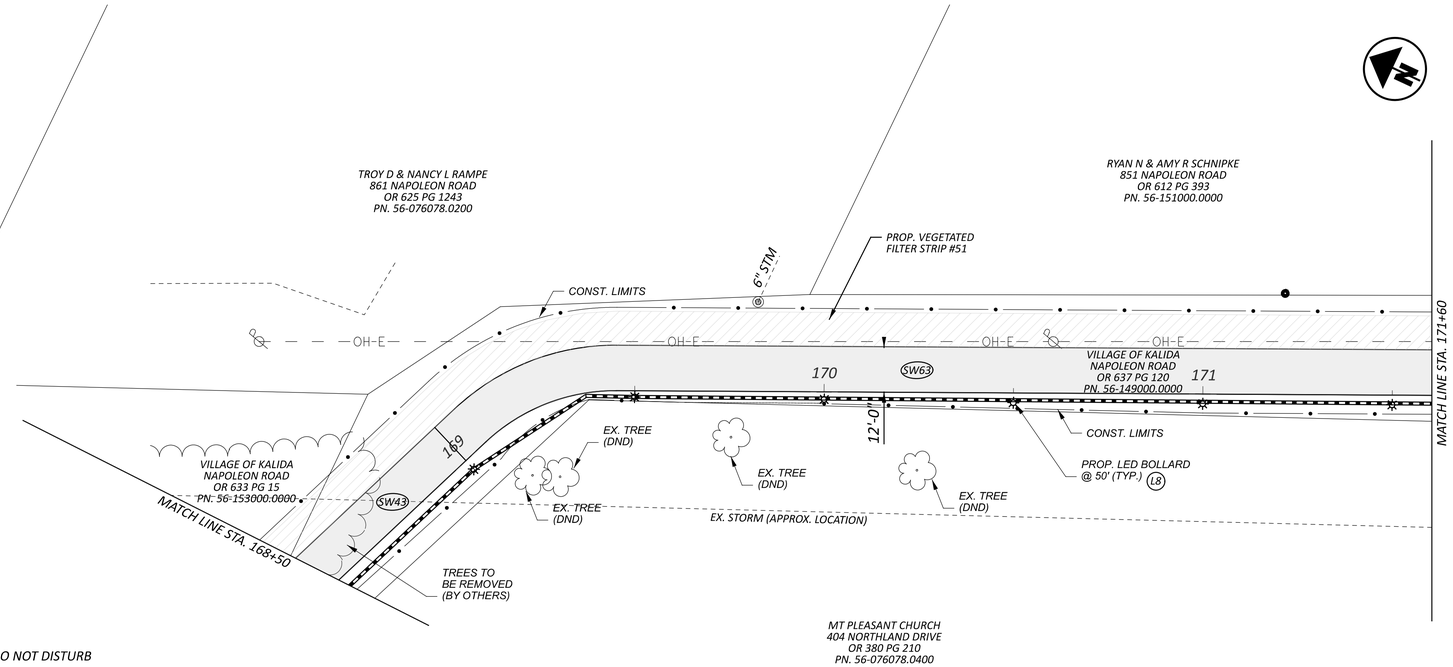
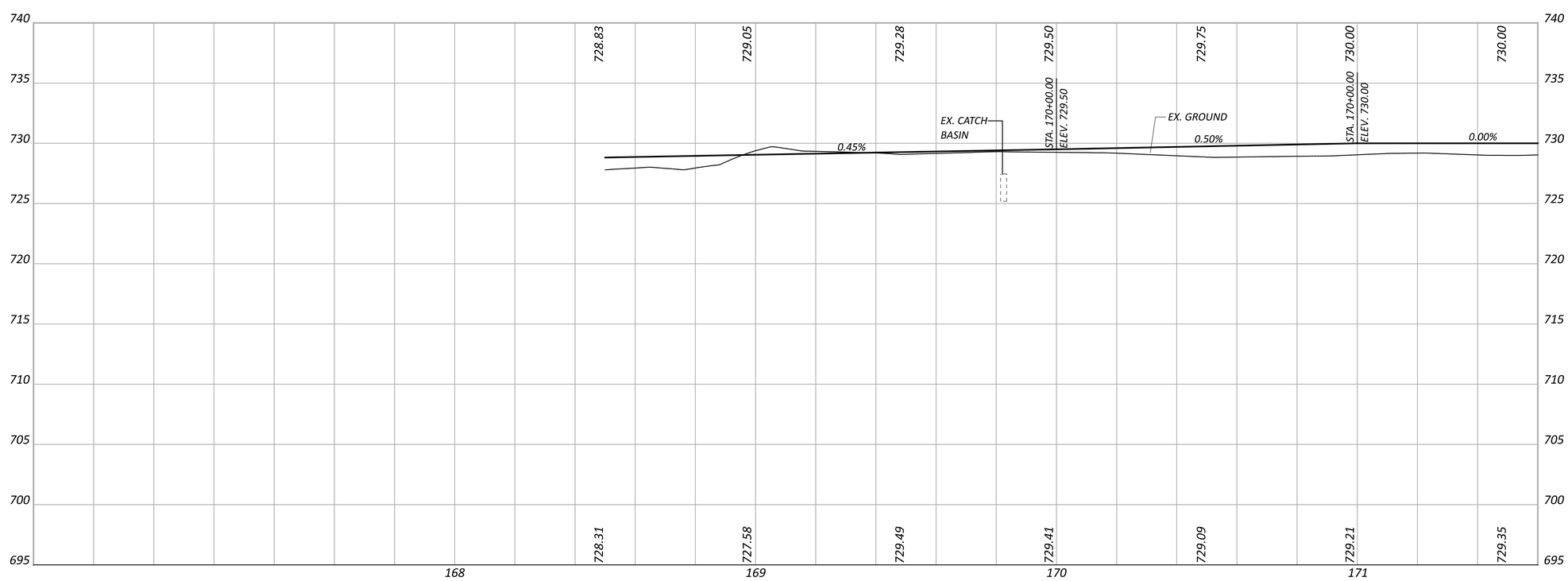
DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.52 TOTAL 144



LEGEND:

DND	DO NOT DISTURB
TBR	TO BE REMOVED
	PROP. WALK LIMITS
	PROP. VEGETATED FILTER STRIP



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.53 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:29:10 AM USER: kbuss
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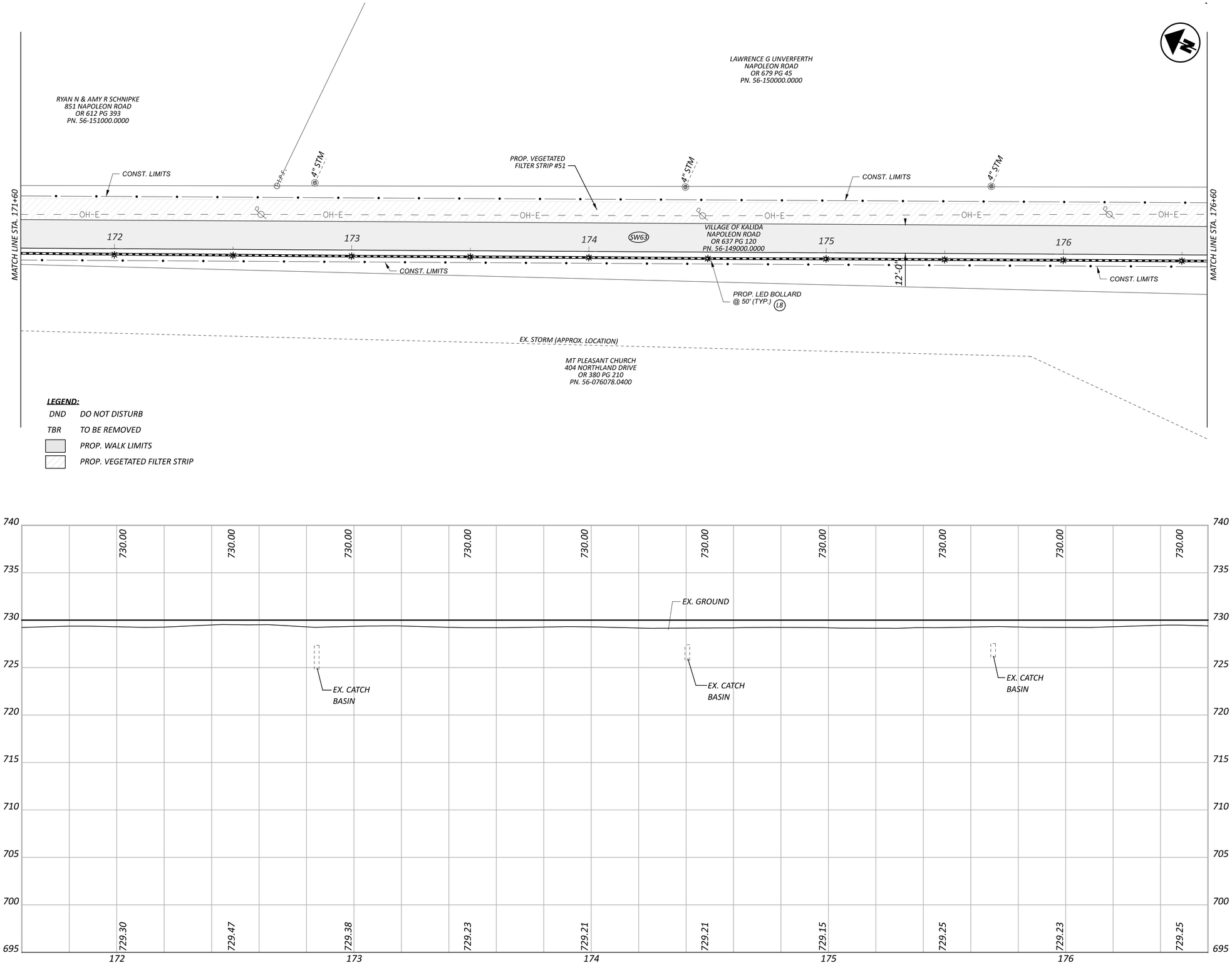

HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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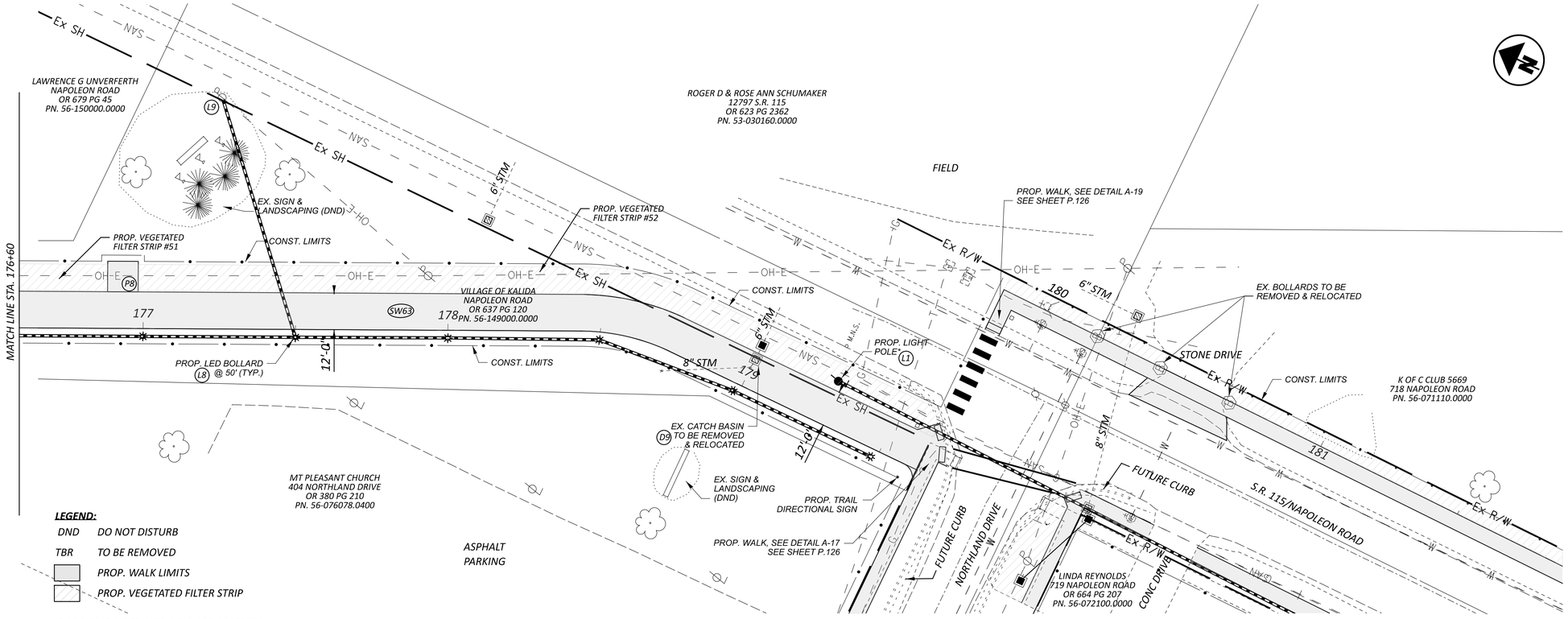
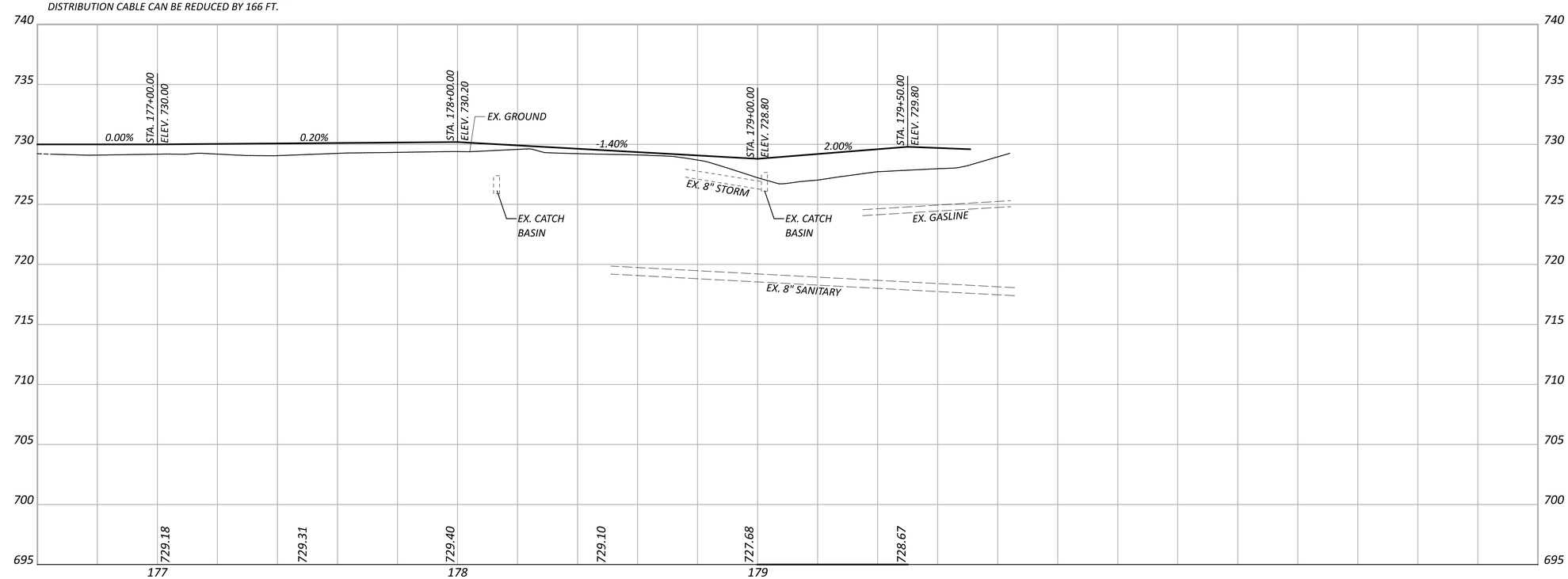
DESIGNER
KMB

REVIEWER
GAB 12-30-25

PROJECT ID
121886

SHEET P.54 TOTAL 144





HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 8:40:32 AM USER: kbuss
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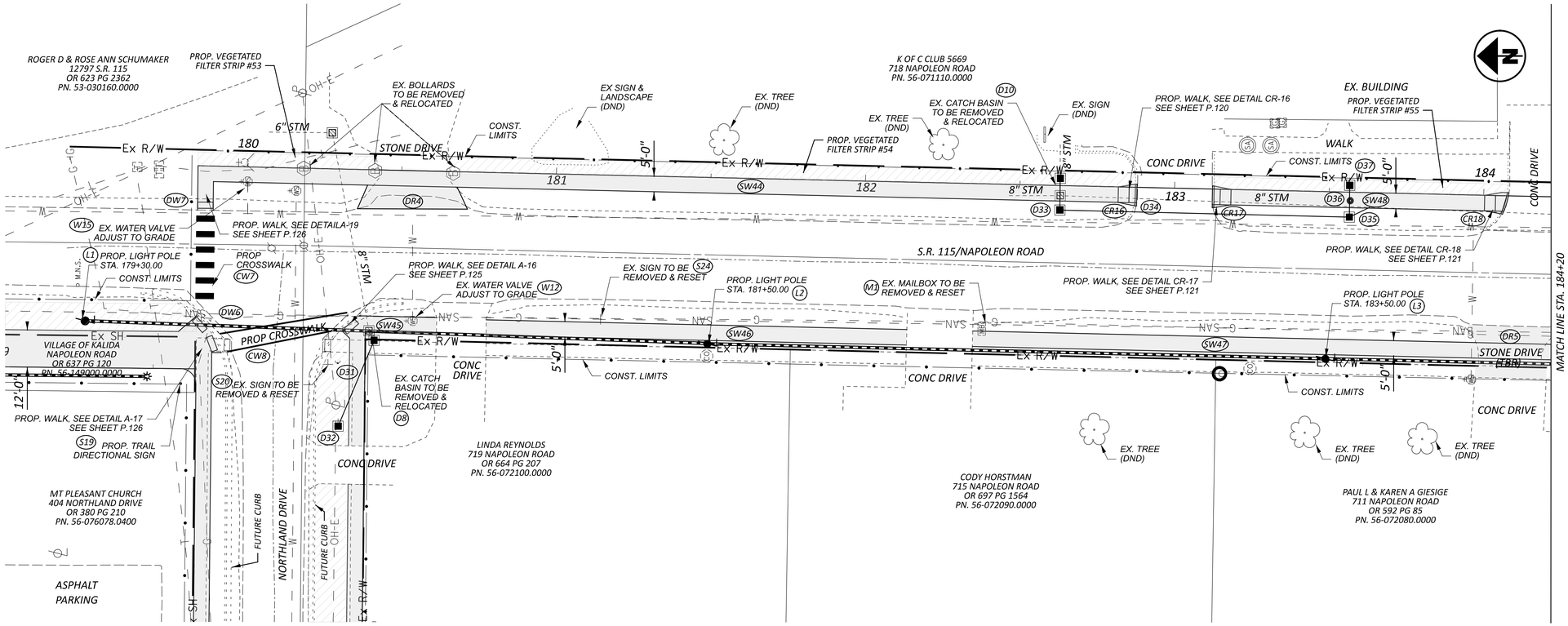
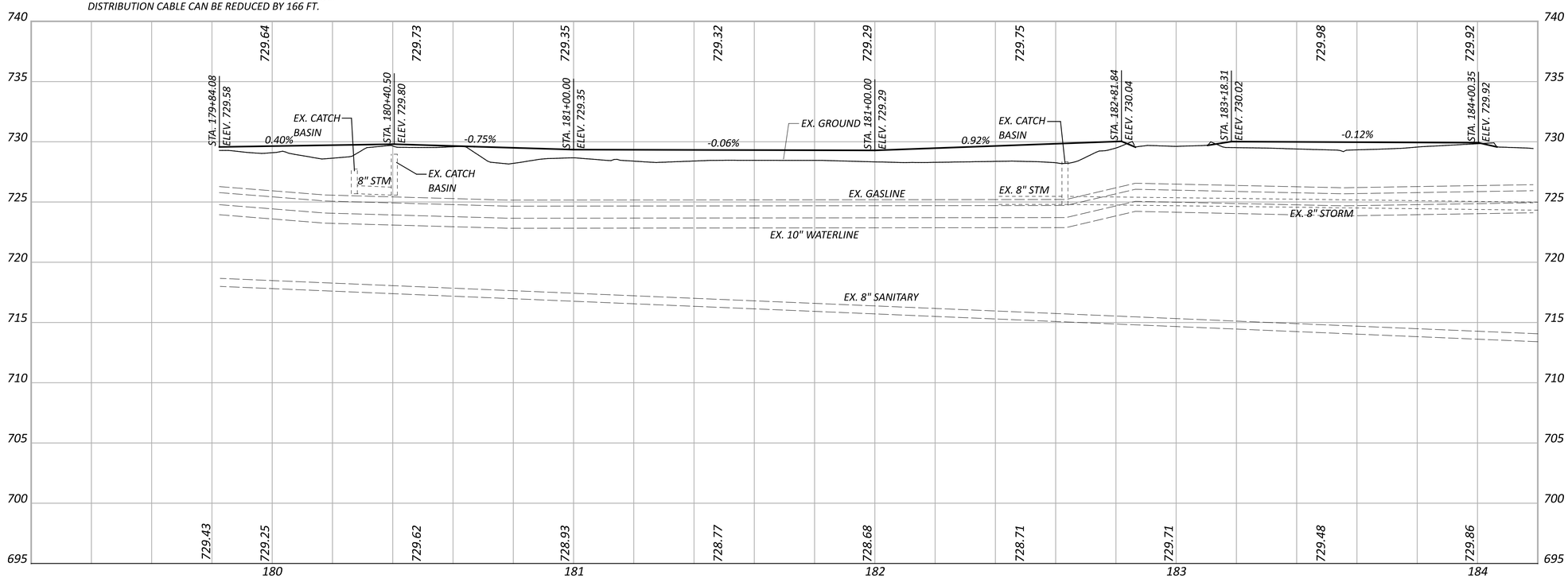
DESIGNER
KMB

REVIEWER
GAB 2-2-26

PROJECT ID
121886

SHEET P.55 TOTAL 144





HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

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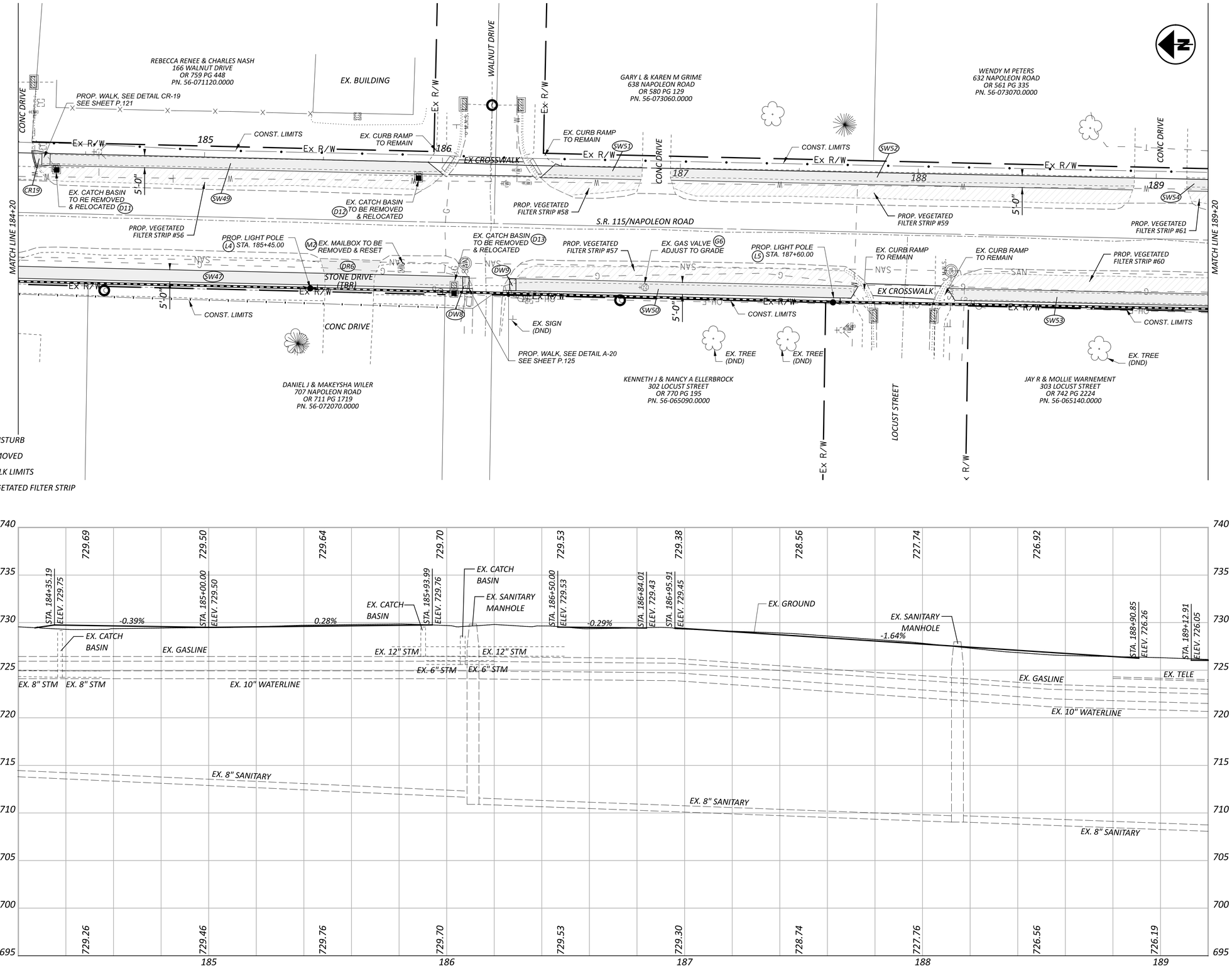
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SHEET P.56 TOTAL 144



HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/2/2026 TIME: 12:00:11 PM USER: kbuss
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Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER
KMB

REVIEWER
GAB 2-2-26

PROJECT ID
121886

SHEET P.57 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/2/2026 TIME: 2:37:44 PM USER: kbuss
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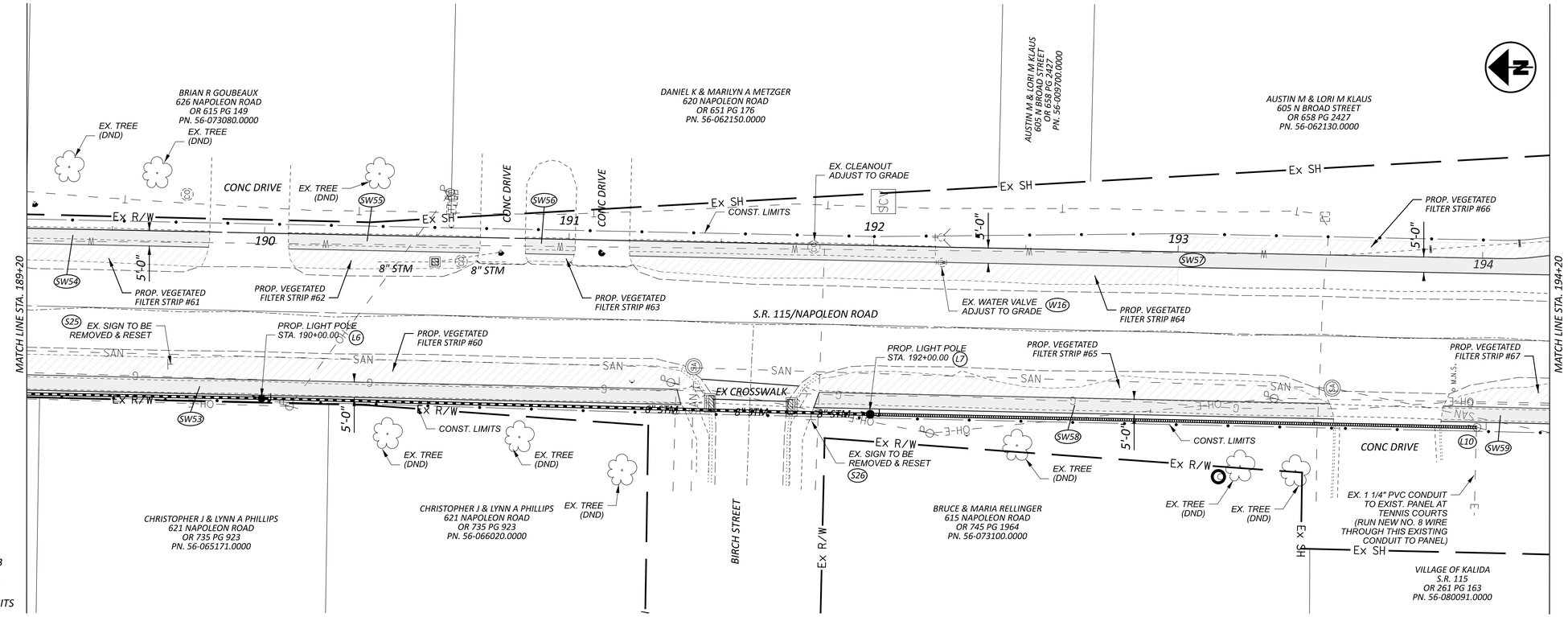

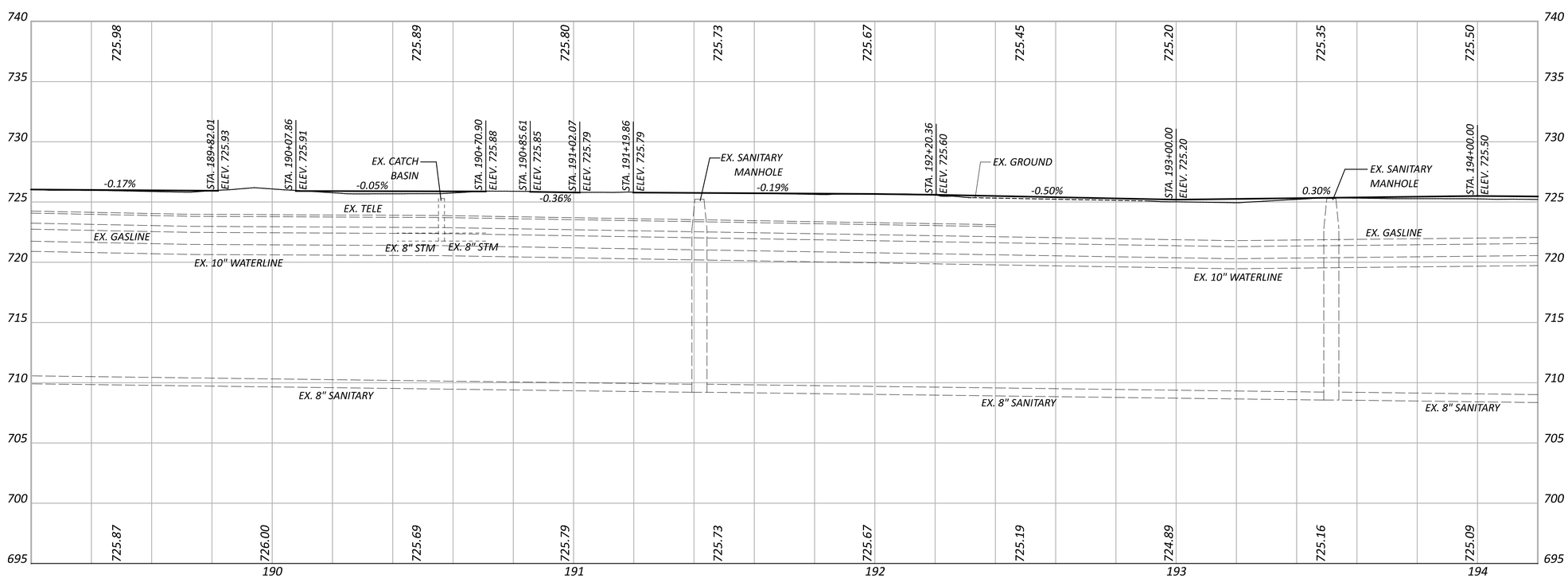

HORIZONTAL SCALE IN FEET
0 10 20 40

SIDEWALK PLAN AND PROFILE

DESIGN AGENCY
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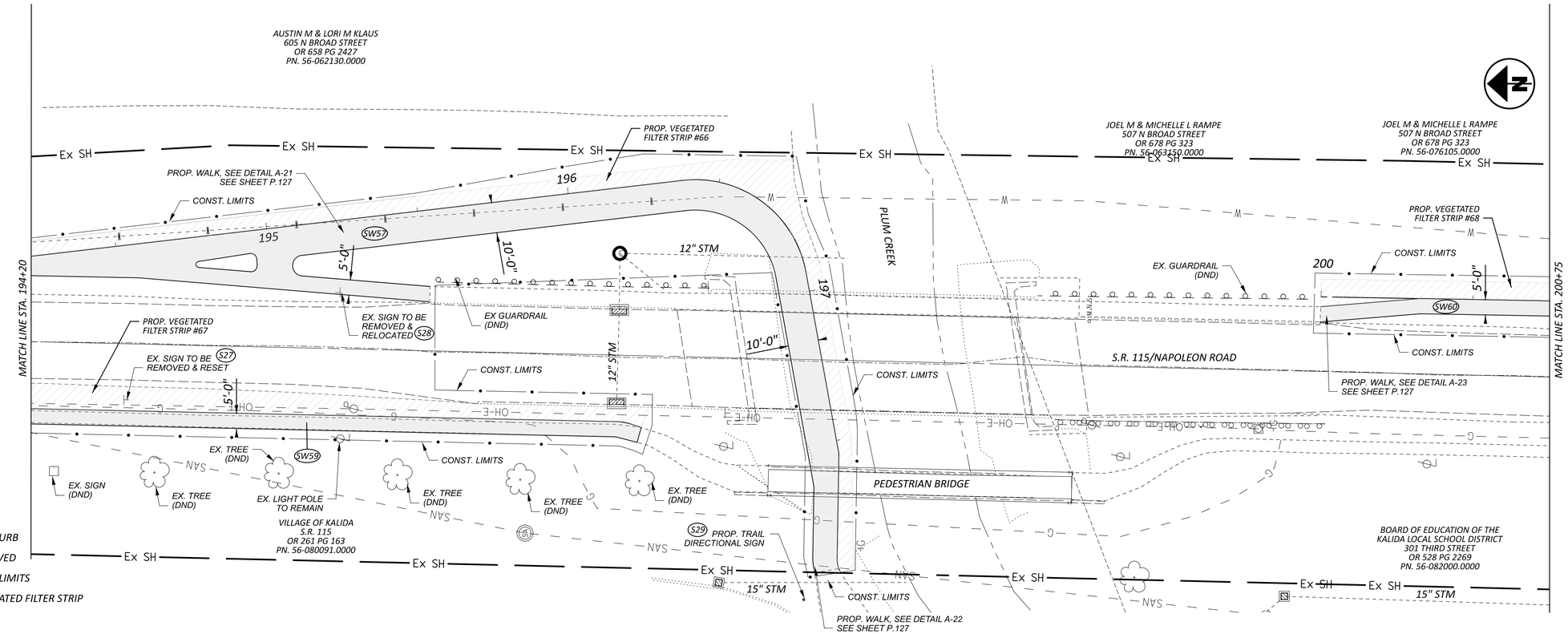
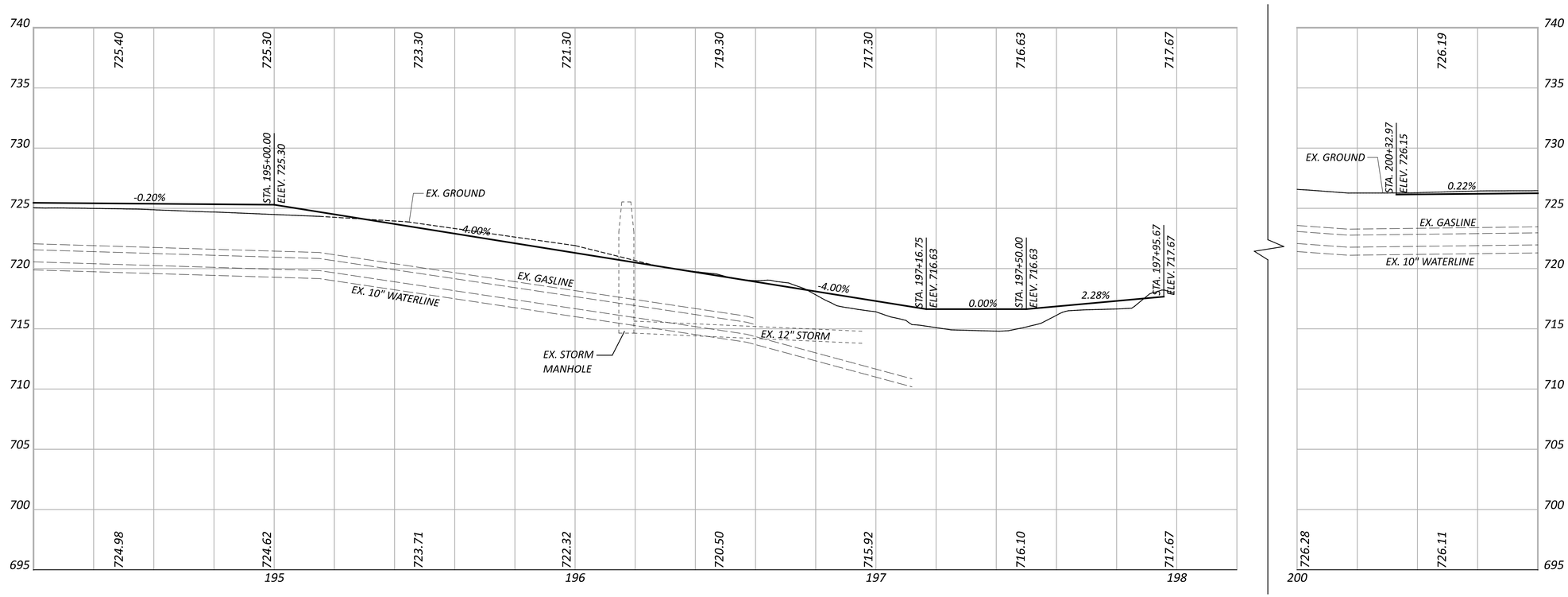
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SHEET P.58 TOTAL 144





HORIZONTAL SCALE IN FEET
0 10 20 40

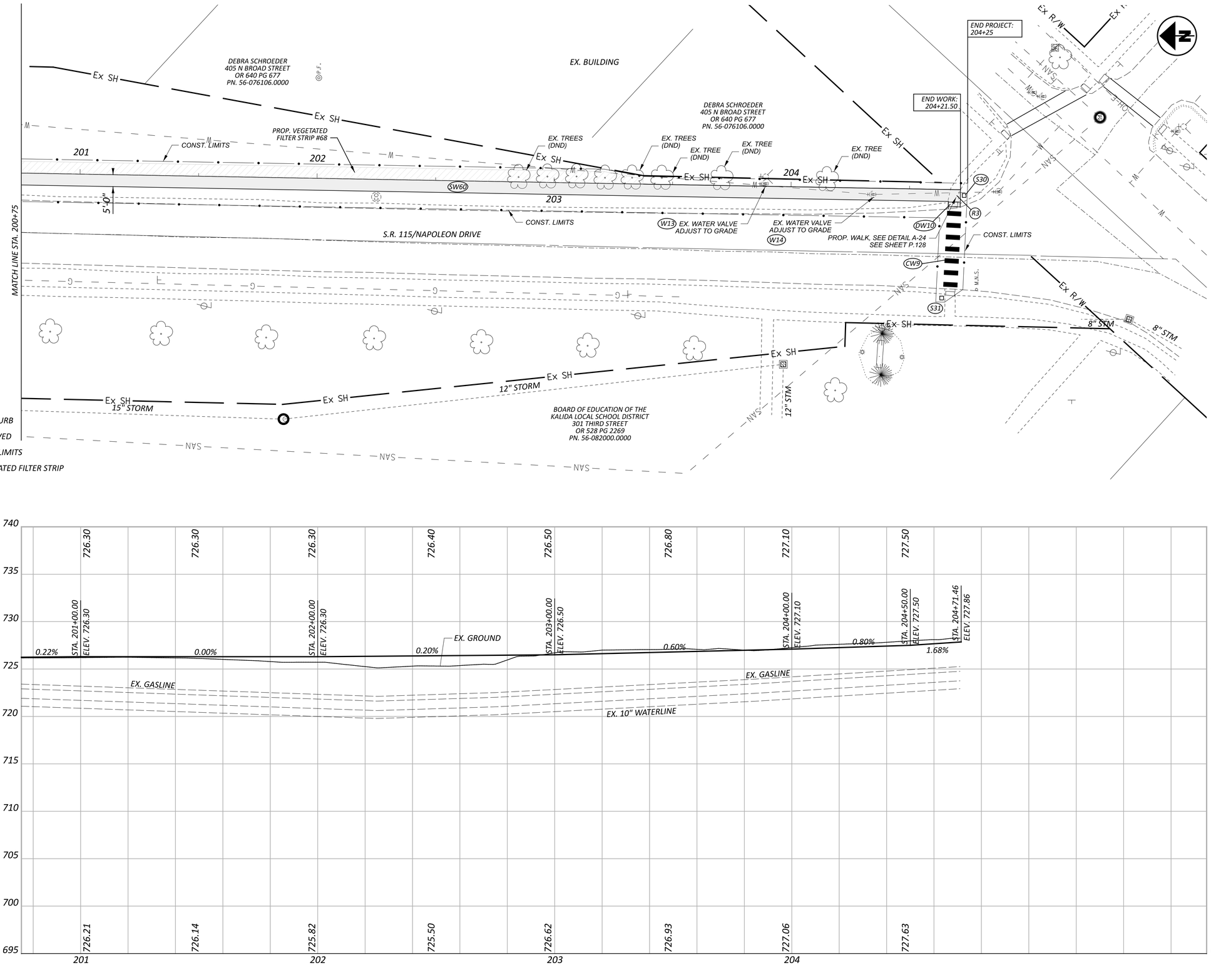
SIDEWALK PLAN AND PROFILE

PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:35:33 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GP035.dgn

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.59 TOTAL 144



PUT-KALIDA PEDESTRIAN LOOP

MODEL: GE_P_Alignment_16 - Plan 1-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:36:05 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GP036.dgn

SIDEWALK PLAN AND PROFILE

DESIGN AGENCY
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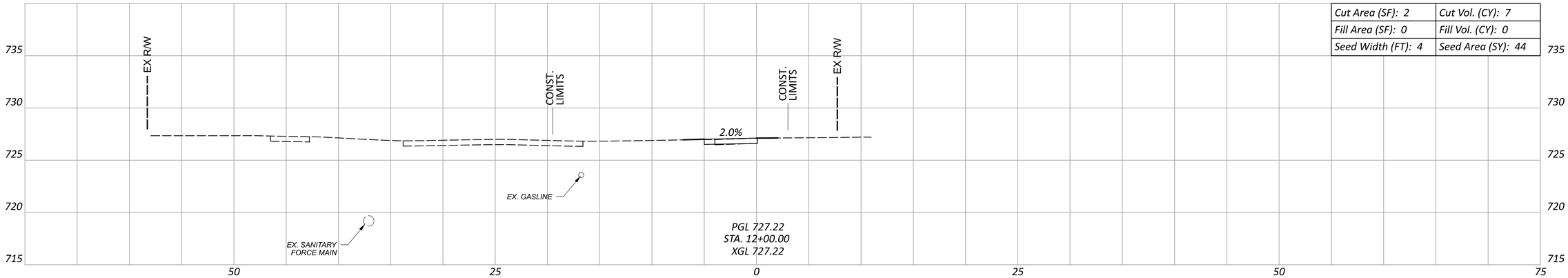
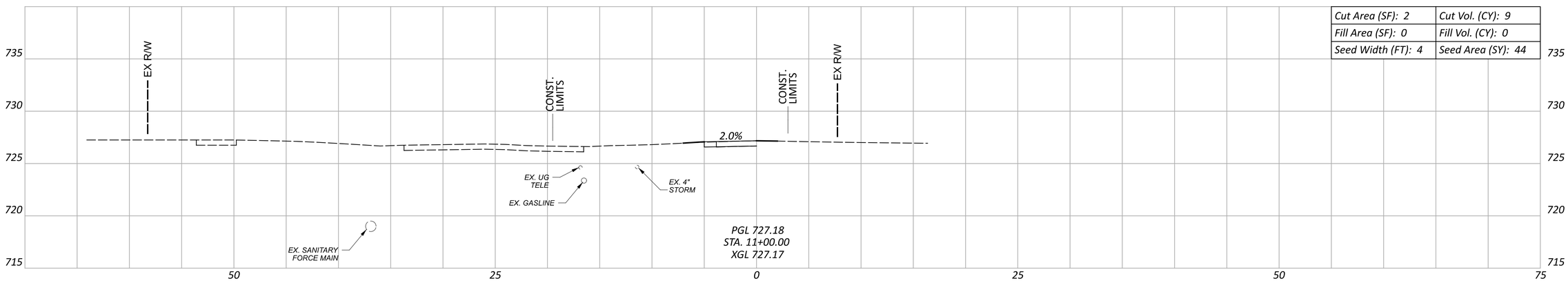
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

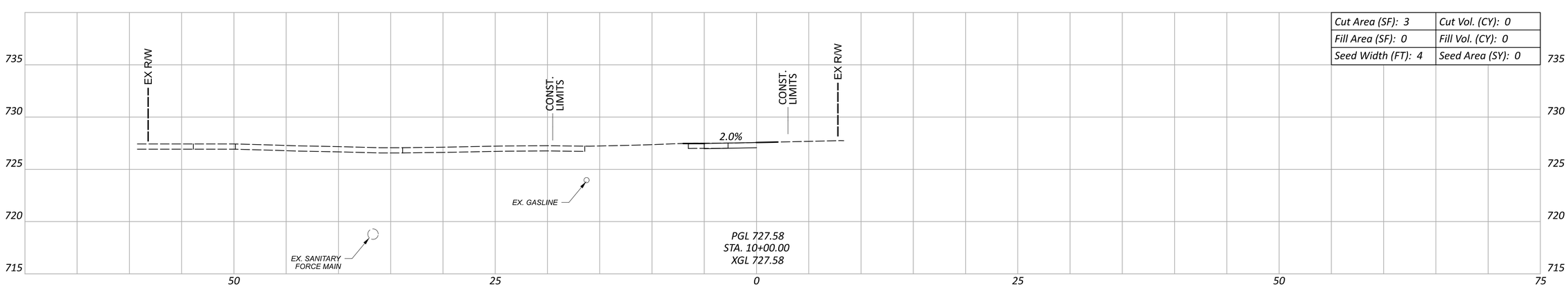
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.60 TOTAL: 144



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 2	Cut Vol. (CY): 9
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 3	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 0

Sheet Totals		
Seeding	Cut	Fill
88	16	0

CROSS SECTIONS
STA. 10+00 TO STA. 12+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:38:07 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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DESIGNER
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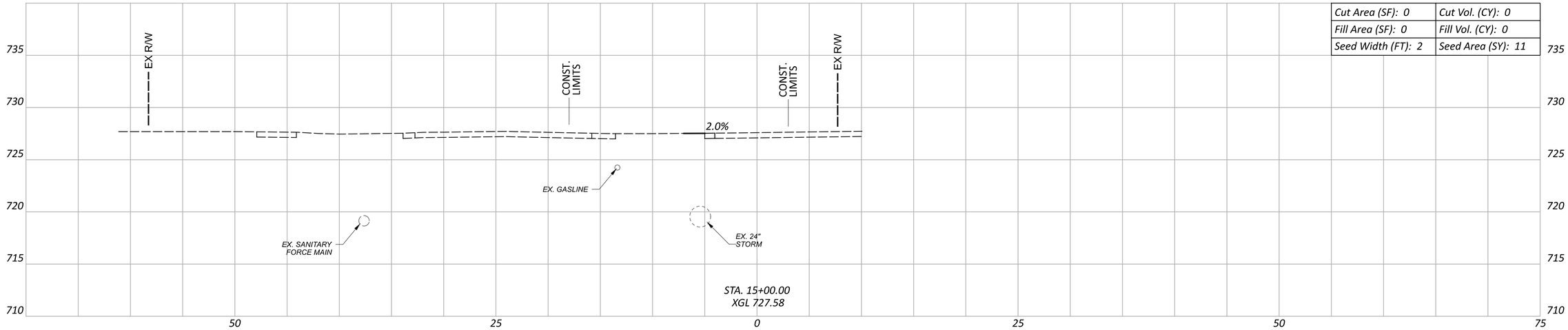
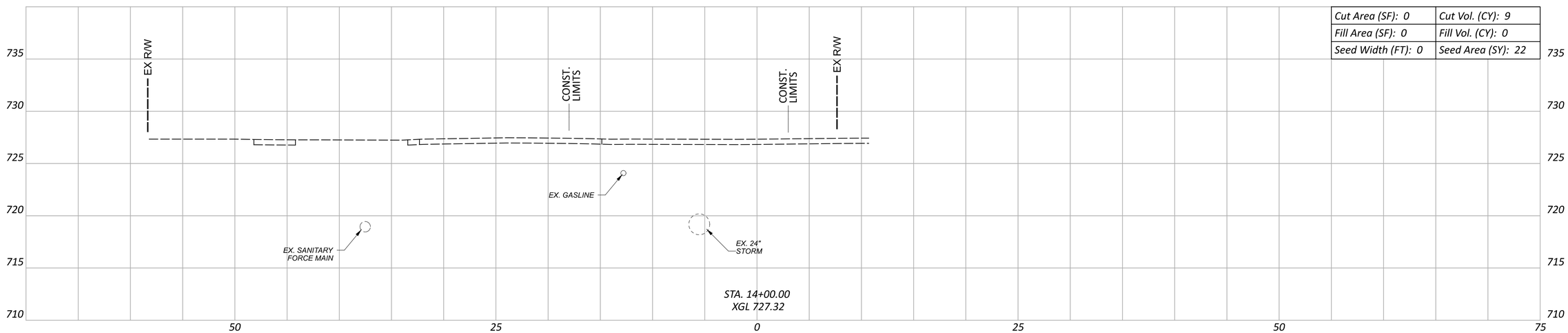
REVIEWER
GAB 12-30-25

PROJECT ID
121886

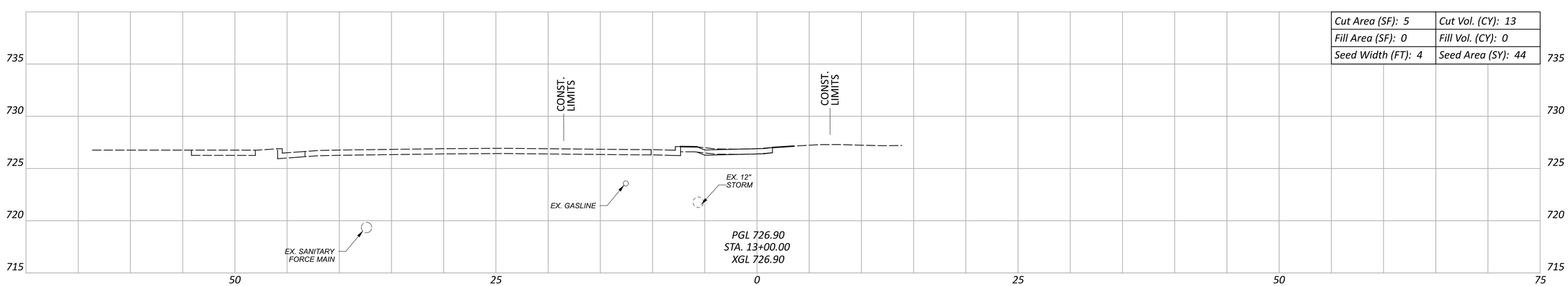
SHEET P.61 TOTAL 144



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 2	Seed Area (SY): 11



Cut Area (SF): 0	Cut Vol. (CY): 9
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 22



Cut Area (SF): 5	Cut Vol. (CY): 13
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44

Sheet Totals		
Seeding	Cut	Fill
77	22	0

CROSS SECTIONS
STA. 13+00 TO STA. 15+00

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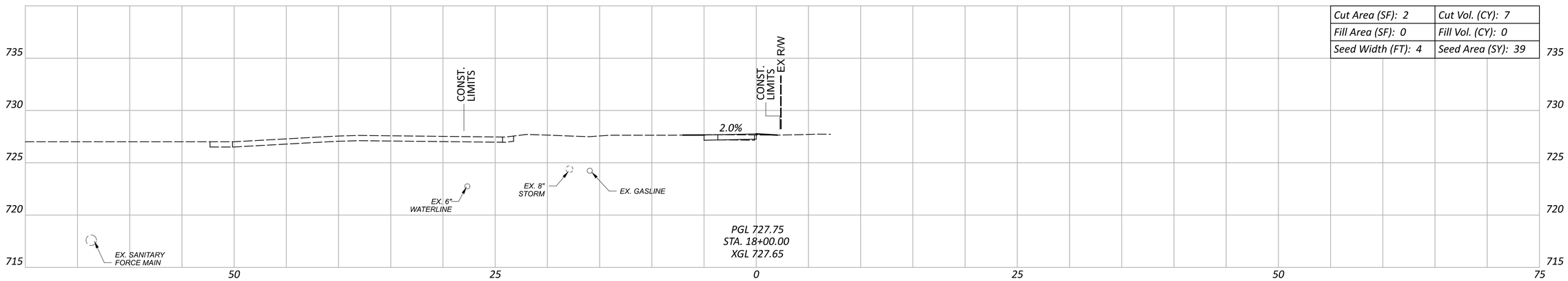
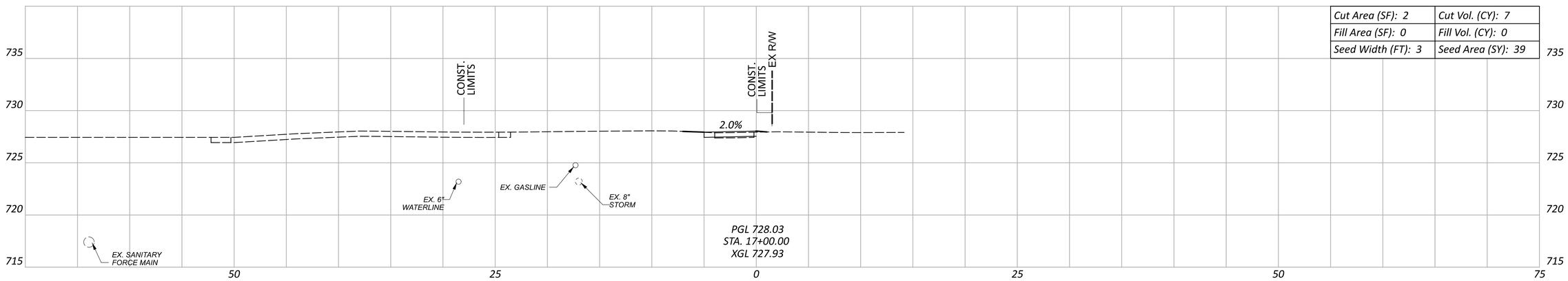
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.62 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

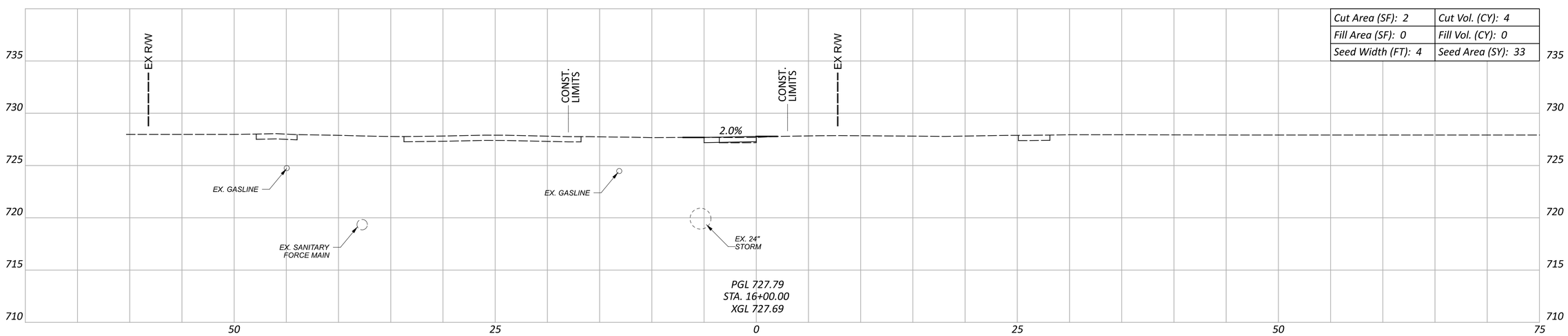
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:38:40 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 39



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 3	Seed Area (SY): 39



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 33

Sheet Totals		
Seeding	Cut	Fill
111	18	0

CROSS SECTIONS
STA. 16+00 TO STA. 18+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:39:17 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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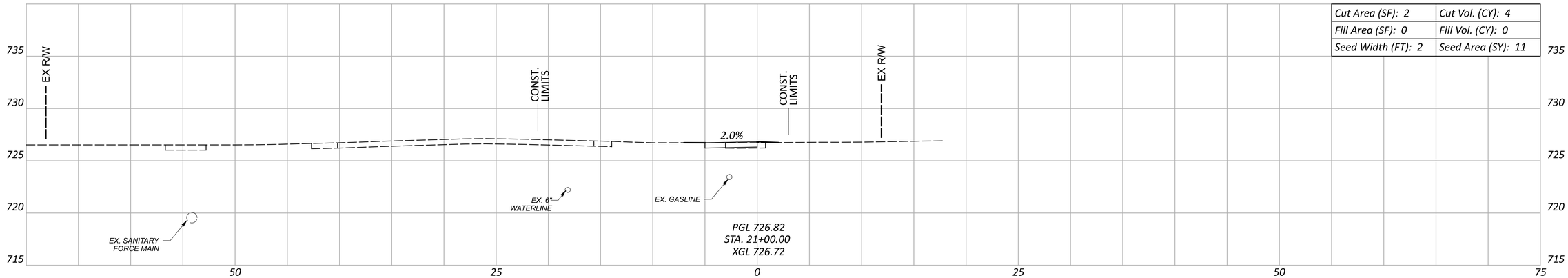
Phone: 419.523.5789

DESIGNER
KMB

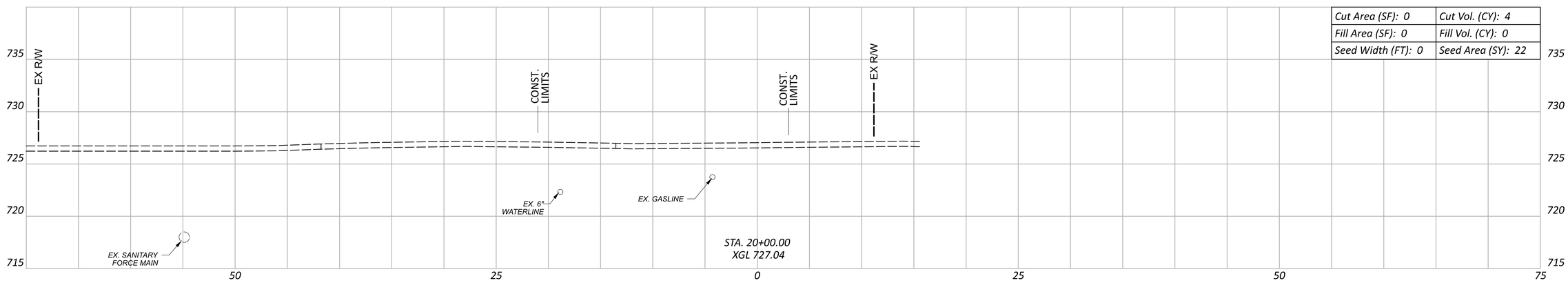
REVIEWER
GAB 12-30-25

PROJECT ID
121886

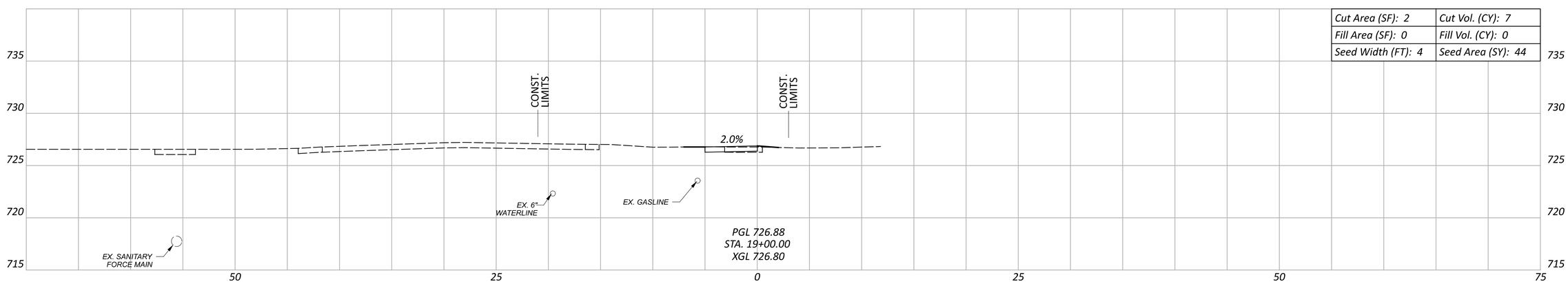
SHEET P.63 TOTAL 144



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 2	Seed Area (SY): 11



Cut Area (SF): 0	Cut Vol. (CY): 4
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 22



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44

Sheet Totals		
Seeding	Cut	Fill
77	15	0

CROSS SECTIONS
STA. 19+00 TO STA. 21+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:39:43 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

DESIGN AGENCY
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DESIGNER
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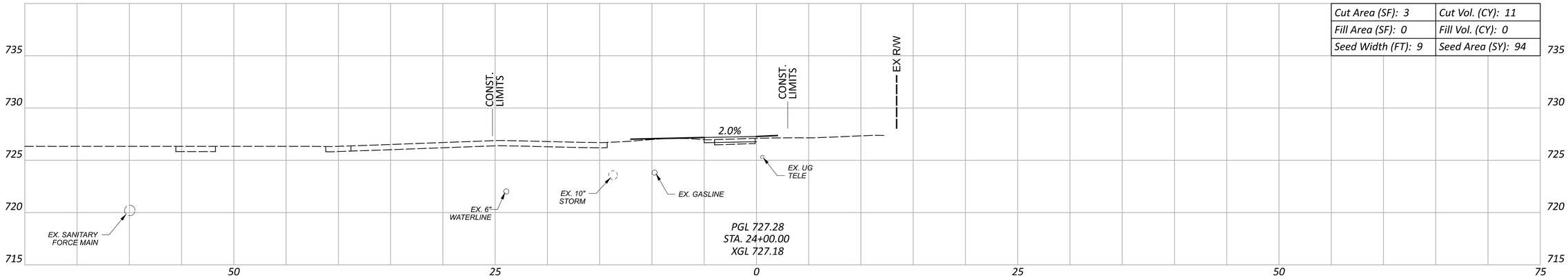
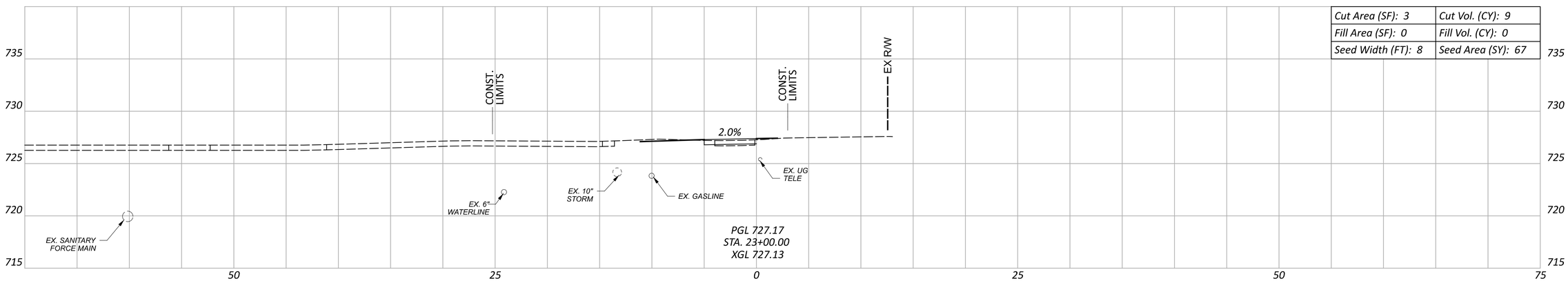
REVIEWER
GAB 12-30-25

PROJECT ID
121886

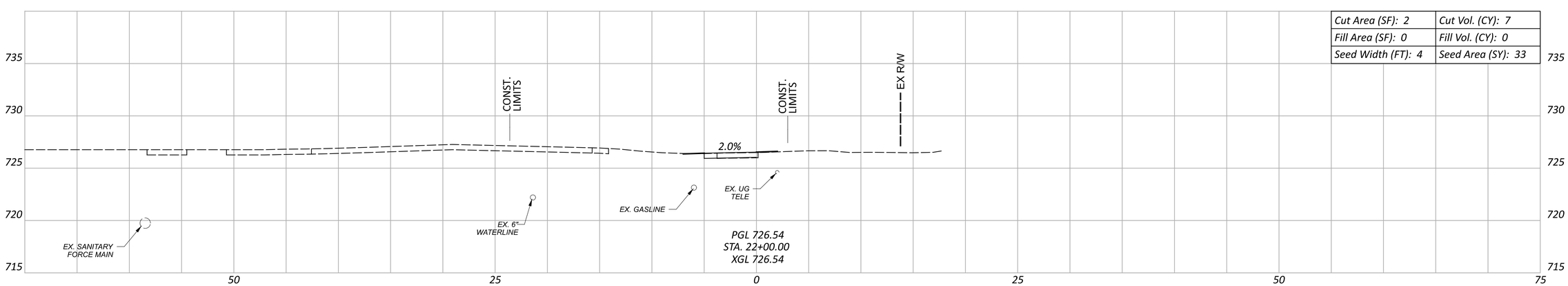
SHEET P.64 TOTAL 144



Cut Area (SF): 3	Cut Vol. (CY): 11
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 9	Seed Area (SY): 94



Cut Area (SF): 3	Cut Vol. (CY): 9
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 8	Seed Area (SY): 67



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 33

Sheet Totals		
Seeding	Cut	Fill
194	27	0

CROSS SECTIONS
STA. 22+00 TO STA. 24+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:40:11 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

DESIGN AGENCY
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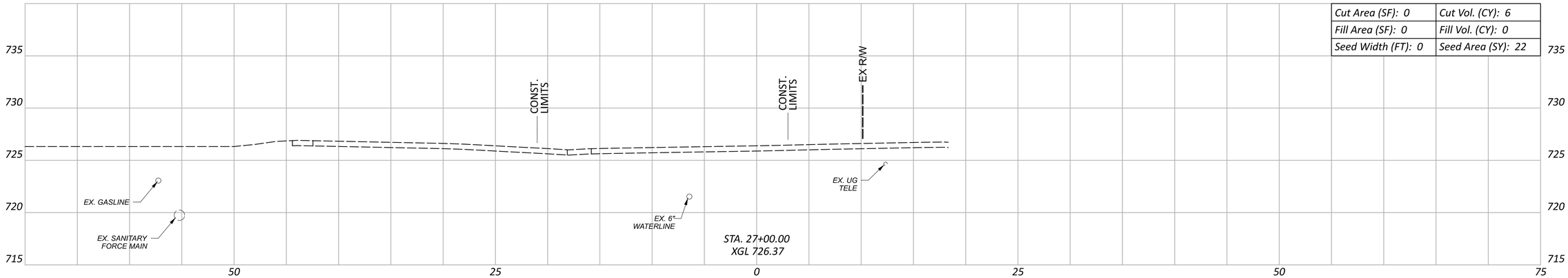
DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886



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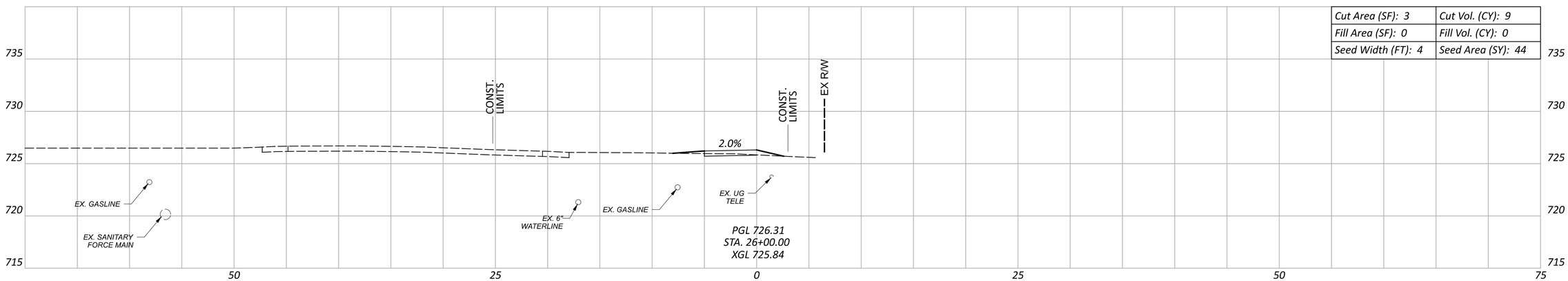
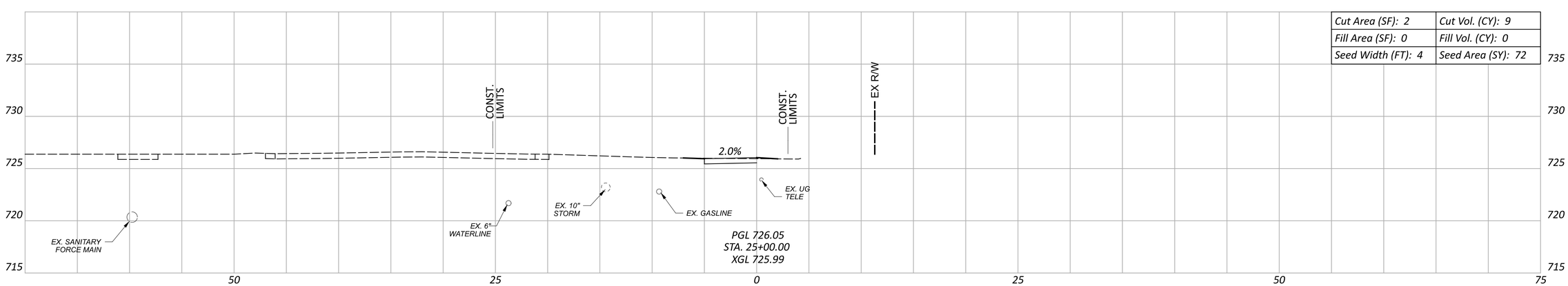
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 22



Cut Area (SF): 3	Cut Vol. (CY): 9
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 2	Cut Vol. (CY): 9
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 72

Sheet Totals		
Seeding	Cut	Fill
138	24	0

CROSS SECTIONS
STA. 25+00 TO STA. 27+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 7:19:23 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

DESIGN AGENCY
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115 S. Fair Avenue, Suite A - Ottawa - Ohio
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DESIGNER
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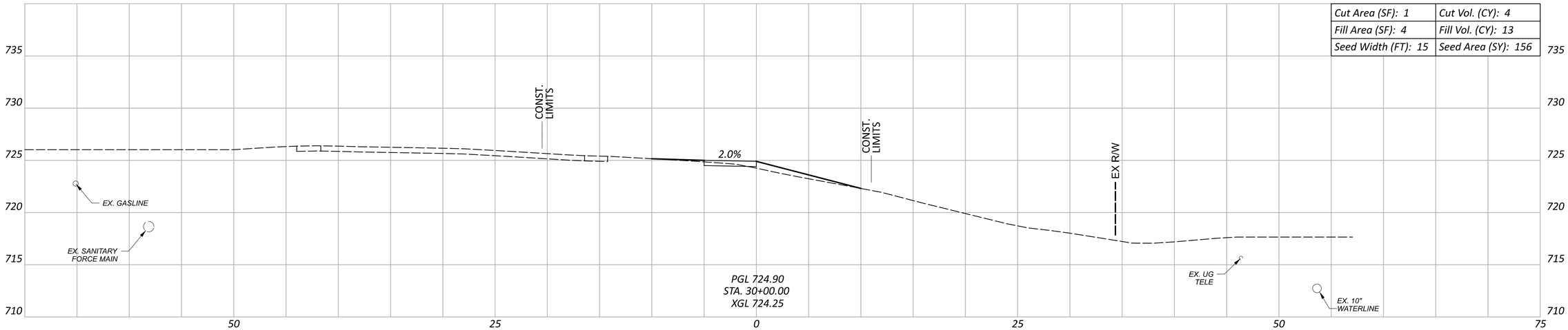
REVIEWER
GAB 12-30-25

PROJECT ID
121886

SHEET	TOTAL
P.66	144



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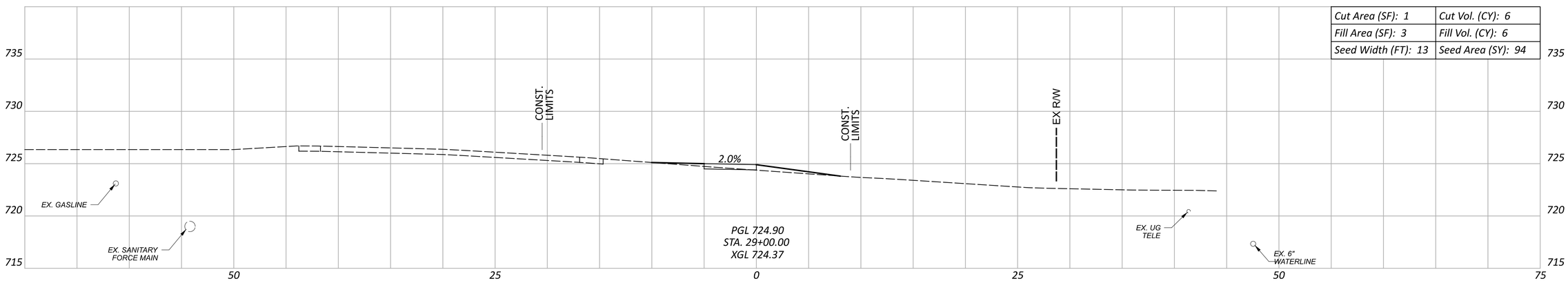
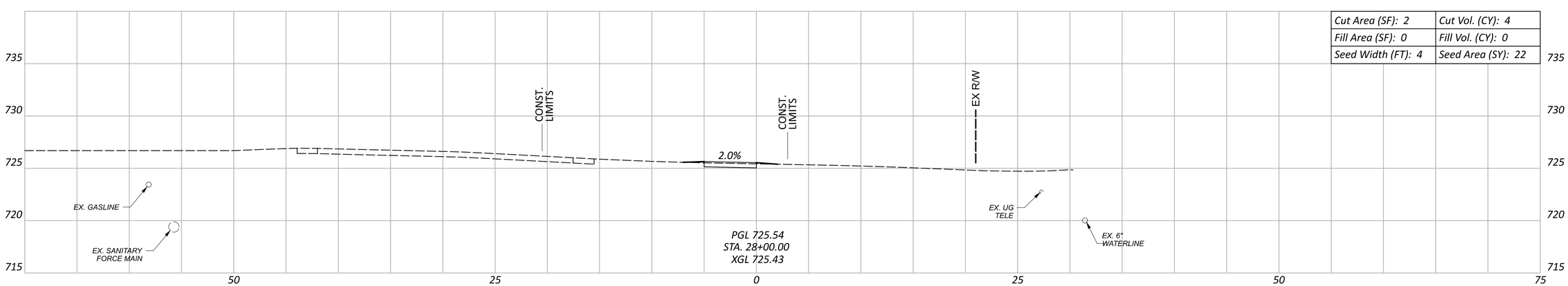
Fill Area (SF): 4	Fill Vol. (CY): 13
Seed Width (FT): 15	Seed Area (SY): 156



Cut Area (SF): 1	Cut Vol. (CY): 6
Fill Area (SF): 3	Fill Vol. (CY): 6
Seed Width (FT): 13	Seed Area (SY): 94



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 22

Sheet Totals		
Seeding	Cut	Fill
272	14	19

CROSS SECTIONS
STA. 28+00 TO STA. 30+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:42:08 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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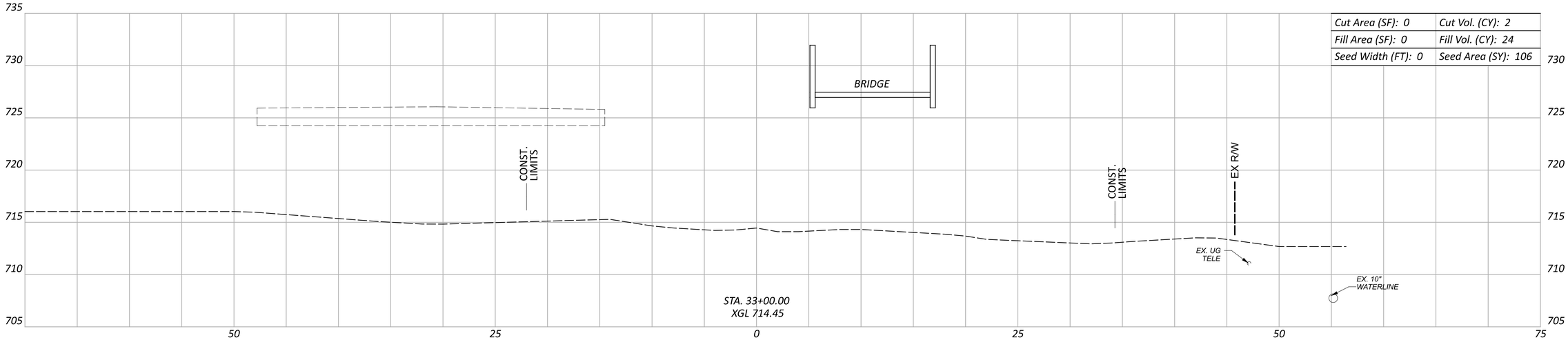
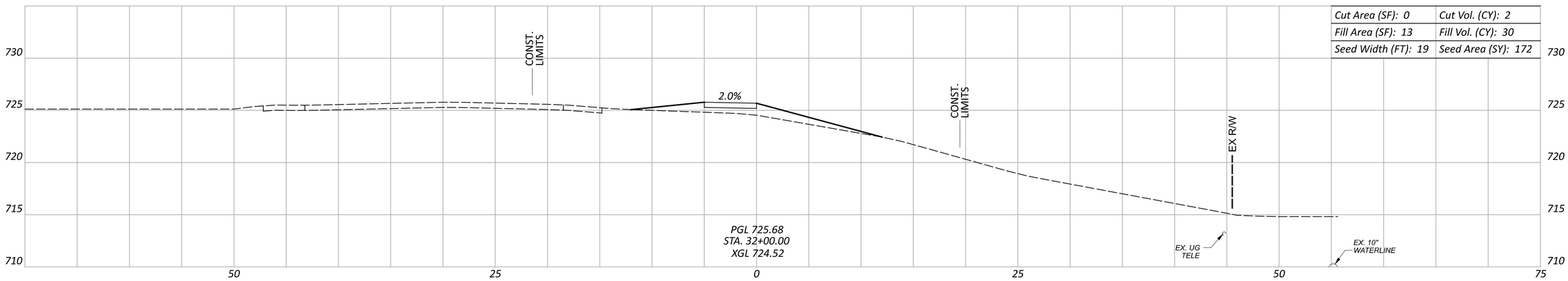
REVIEWER
GAB 12-30-25

PROJECT ID
121886

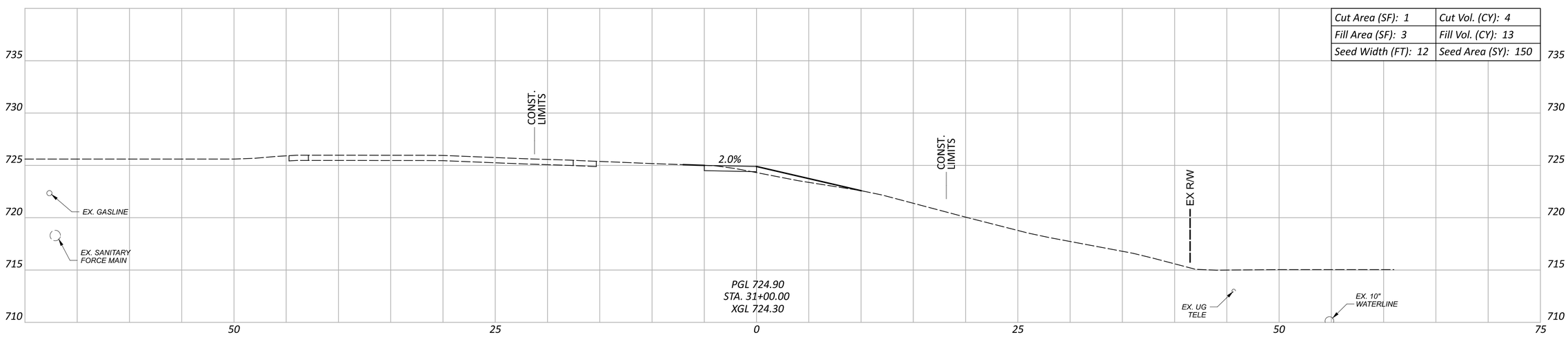
SHEET P.67 TOTAL 144



Cut Area (SF): 0	Cut Vol. (CY): 2
Fill Area (SF): 0	Fill Vol. (CY): 24
Seed Width (FT): 0	Seed Area (SY): 106



Cut Area (SF): 0	Cut Vol. (CY): 2
Fill Area (SF): 13	Fill Vol. (CY): 30
Seed Width (FT): 19	Seed Area (SY): 172



Cut Area (SF): 1	Cut Vol. (CY): 4
Fill Area (SF): 3	Fill Vol. (CY): 13
Seed Width (FT): 12	Seed Area (SY): 150

CROSS SECTIONS
STA. 31+00 TO STA. 33+00

Sheet Totals		
Seeding	Cut	Fill
428	6	43

DESIGN AGENCY
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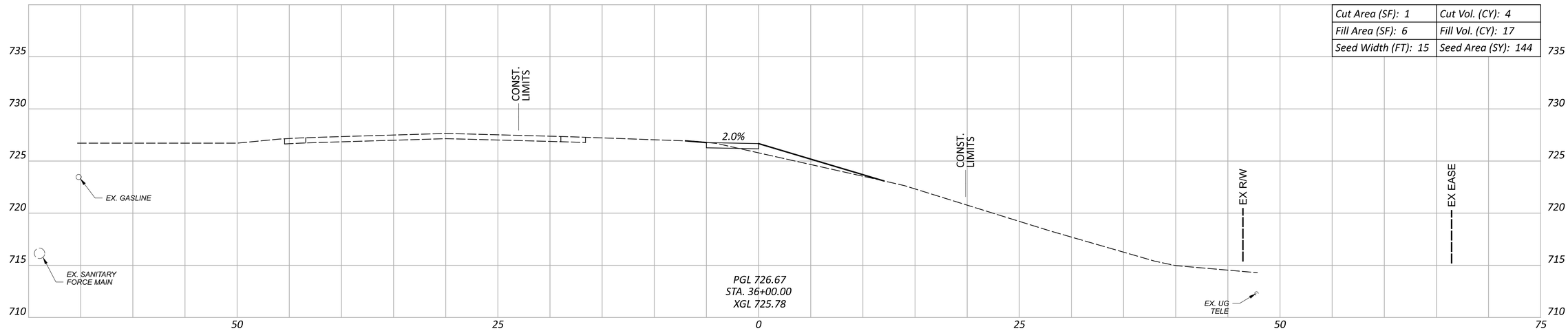
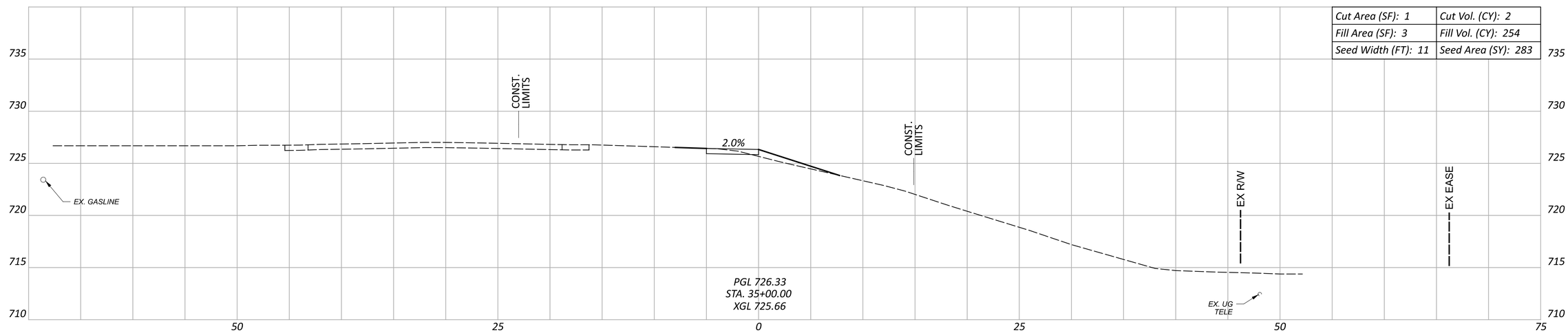
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.68 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

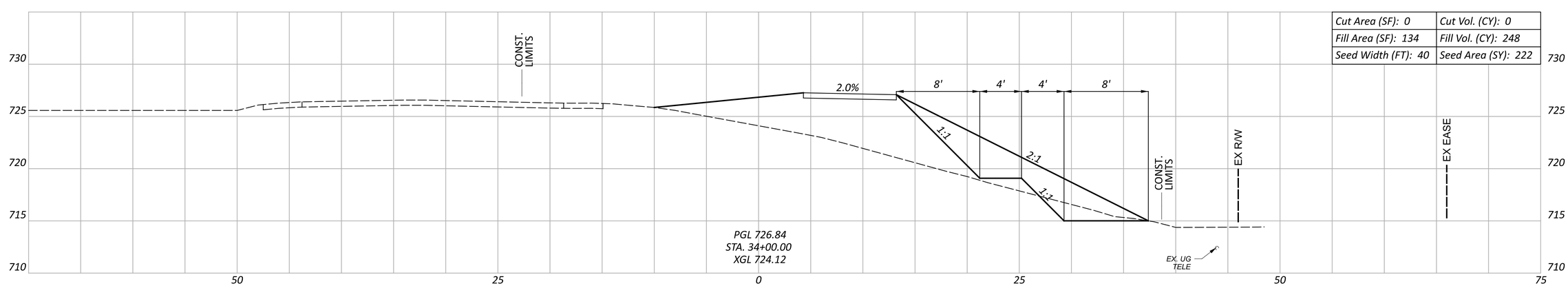
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:42:35 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 1	Cut Vol. (CY): 4
Fill Area (SF): 6	Fill Vol. (CY): 17
Seed Width (FT): 15	Seed Area (SY): 144



Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 3	Fill Vol. (CY): 254
Seed Width (FT): 11	Seed Area (SY): 283



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 134	Fill Vol. (CY): 248
Seed Width (FT): 40	Seed Area (SY): 222

CROSS SECTIONS
STA. 34+00 TO STA. 36+00

Sheet Totals		
Seeding	Cut	Fill
649	6	519

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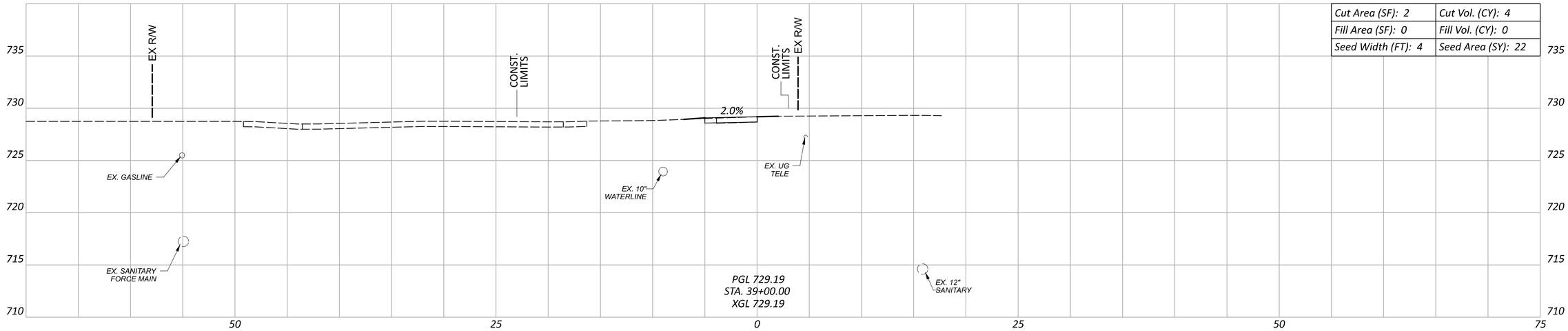
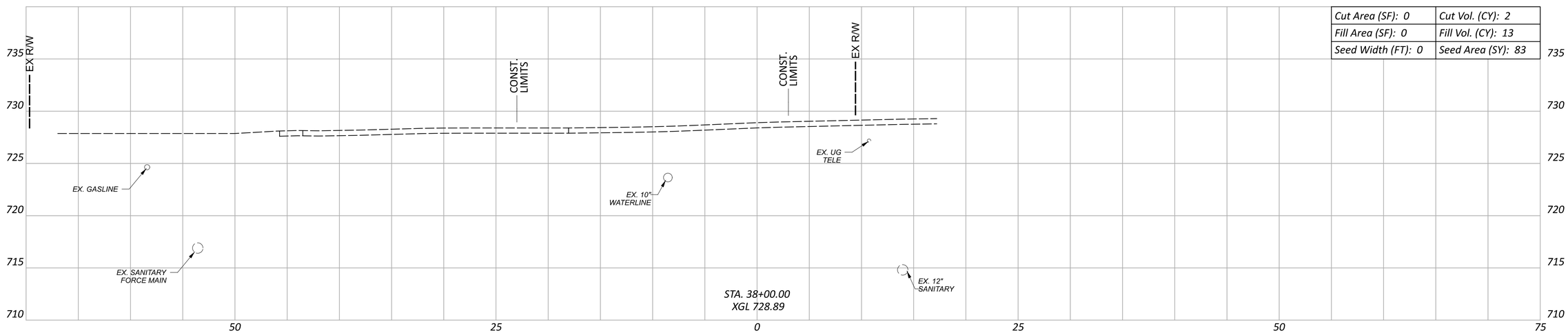
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.69 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

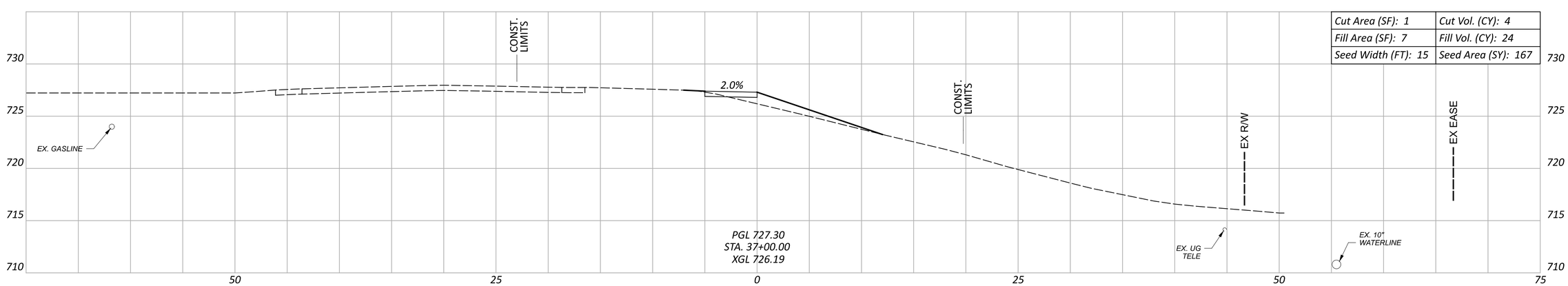
MODEL: CLK_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:43:04 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 22



Cut Area (SF): 0	Cut Vol. (CY): 2
Fill Area (SF): 0	Fill Vol. (CY): 13
Seed Width (FT): 0	Seed Area (SY): 83



Cut Area (SF): 1	Cut Vol. (CY): 4
Fill Area (SF): 7	Fill Vol. (CY): 24
Seed Width (FT): 15	Seed Area (SY): 167

Sheet Totals		
Seeding	Cut	Fill
272	10	37

CROSS SECTIONS
STA. 37+00 TO STA. 39+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:43:33 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

DESIGN AGENCY
Bockrath & Associates
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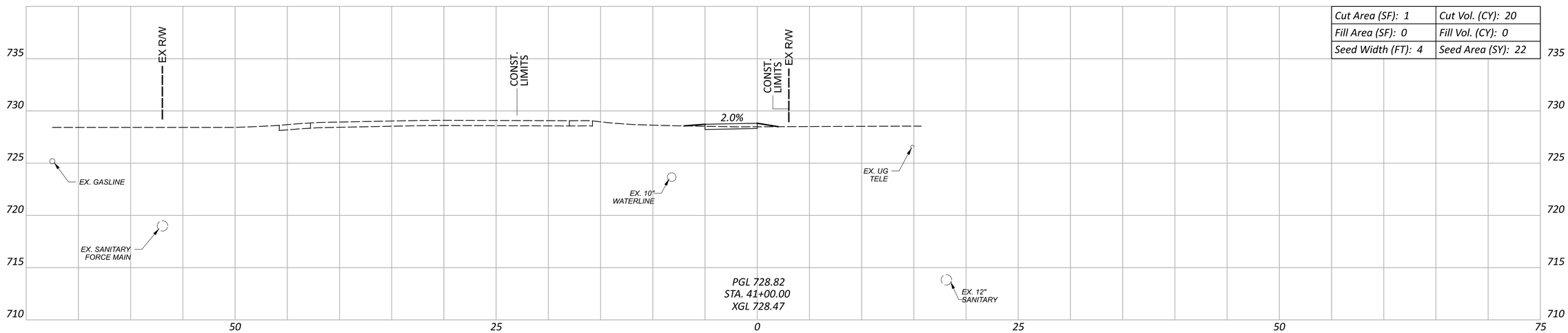
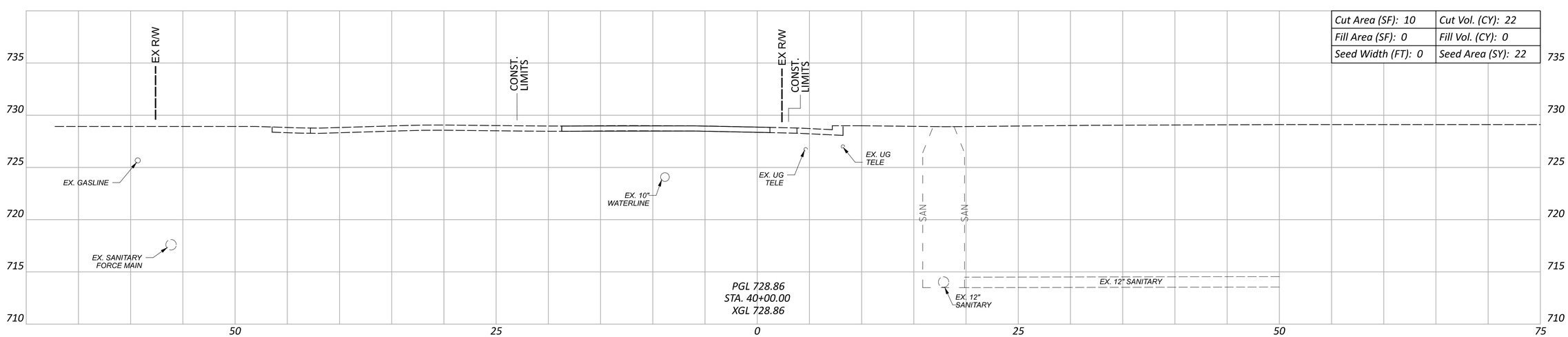
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886



Cut Area (SF): 1	Cut Vol. (CY): 20
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 22



Cut Area (SF): 10	Cut Vol. (CY): 22
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 22

Sheet Totals		
Seeding	Cut	Fill
44	42	0

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

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 7:44:31 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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KMB

REVIEWER
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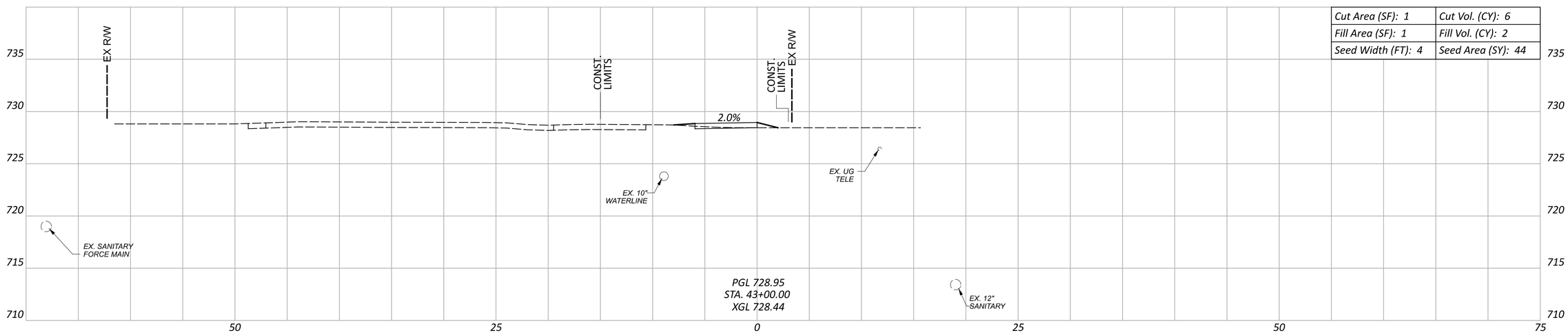
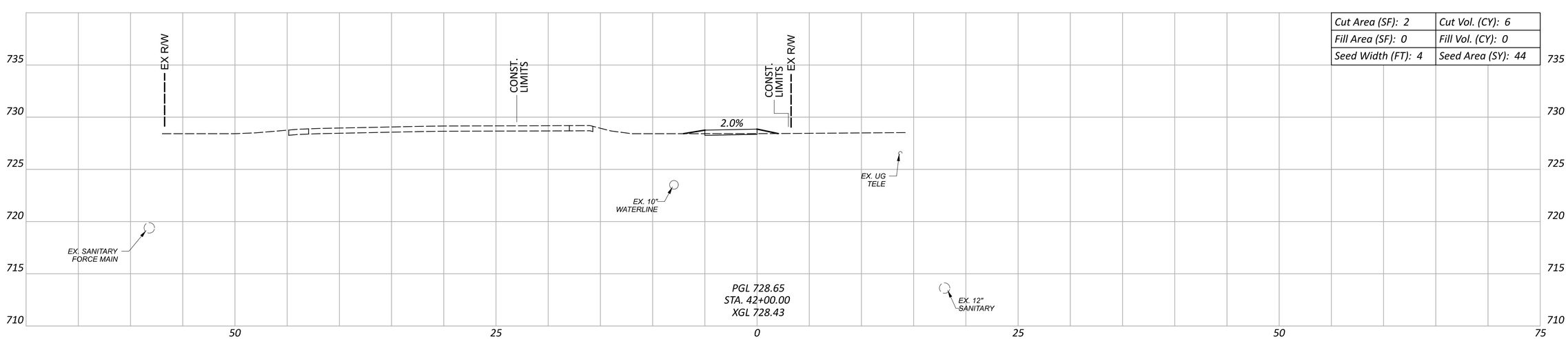
PROJECT ID
121886

SHEET P.71 TOTAL 144



Cut Area (SF): 1	Cut Vol. (CY): 6
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 2	Cut Vol. (CY): 6
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44

CROSS SECTIONS
STA. 42+00 TO STA. 43+00

Sheet Totals		
Seeding	Cut	Fill
88	12	2

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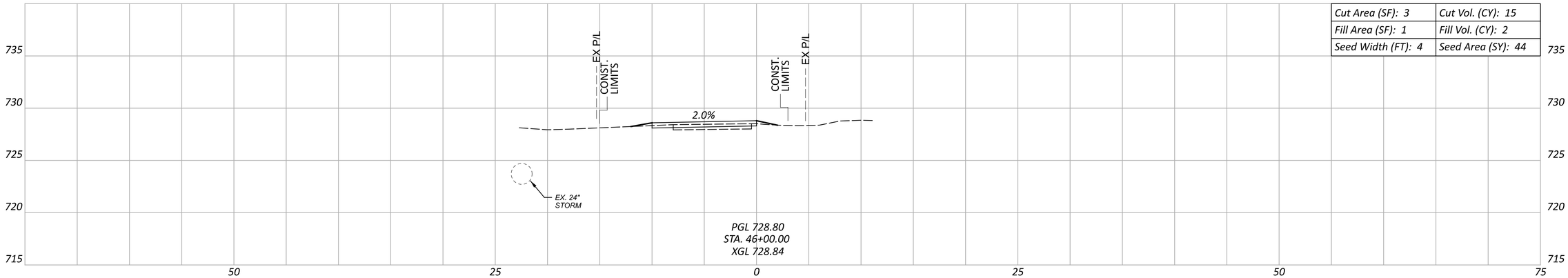
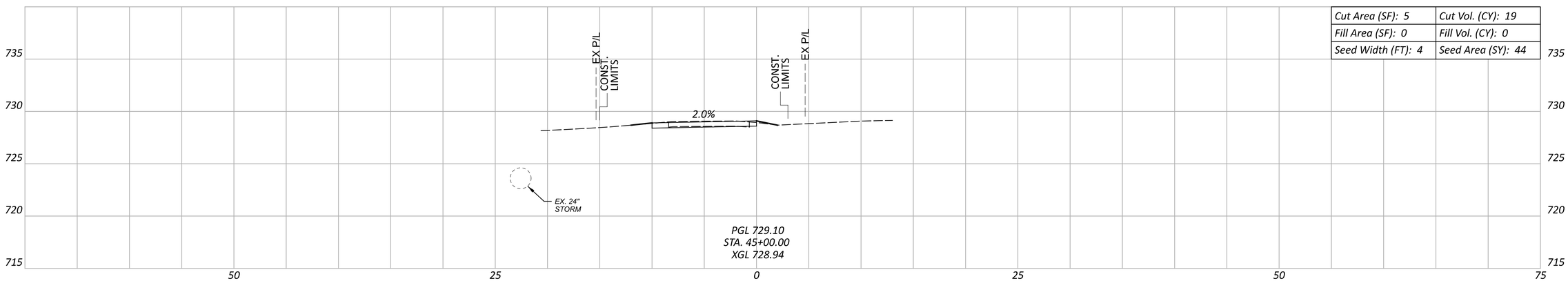
SHEET P.72 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

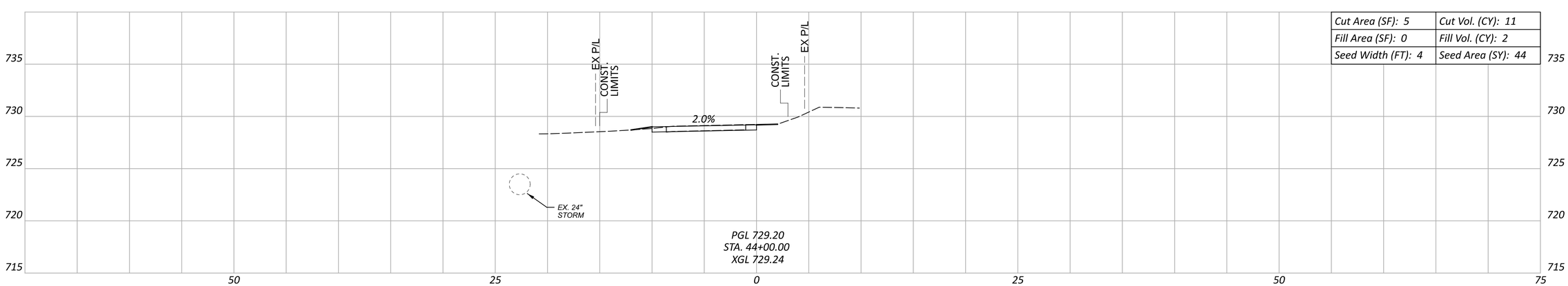
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 7:46:26 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 3	Cut Vol. (CY): 15
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 5	Cut Vol. (CY): 19
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 5	Cut Vol. (CY): 11
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT): 4	Seed Area (SY): 44

Sheet Totals		
Seeding	Cut	Fill
132	45	4

CROSS SECTIONS
STA. 44+00 TO STA. 46+00

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PROJECT ID
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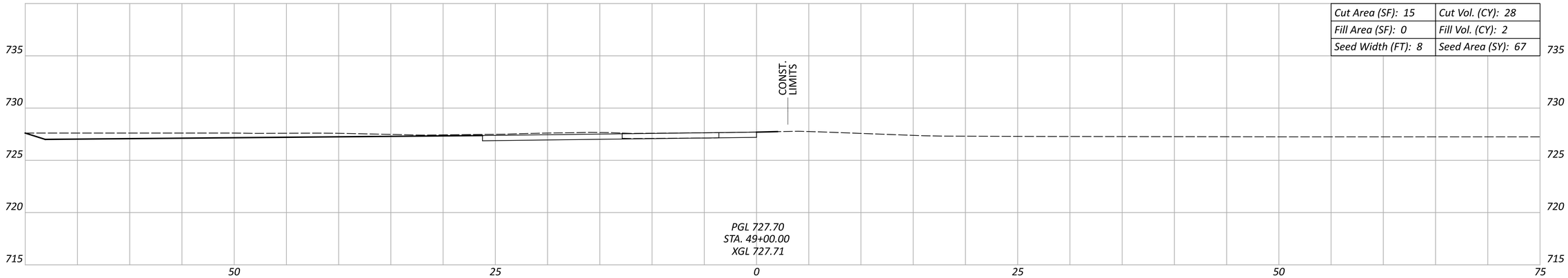
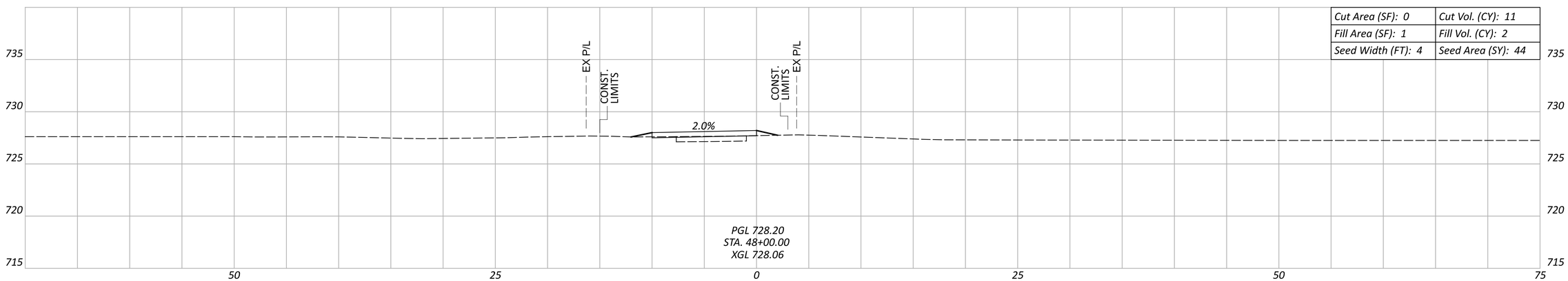
SHEET P.73 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

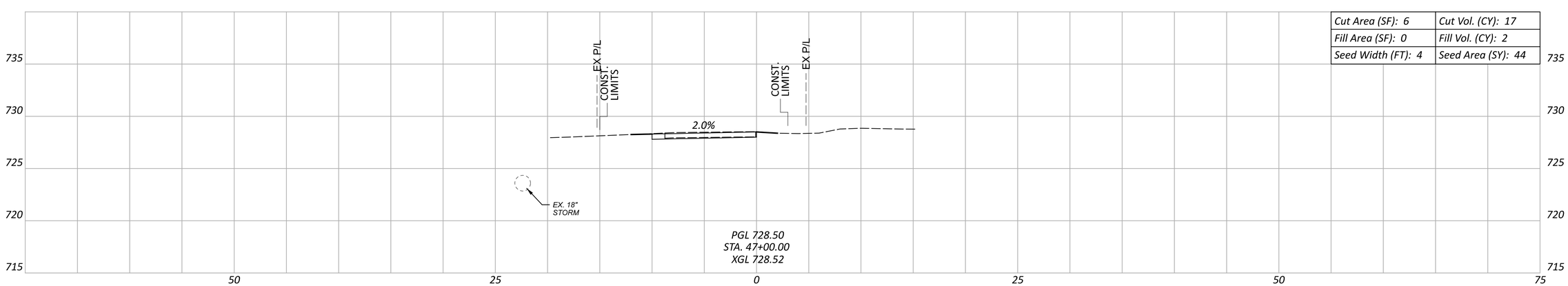
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:45:32 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 15	Cut Vol. (CY): 28
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT): 8	Seed Area (SY): 67



Cut Area (SF): 0	Cut Vol. (CY): 11
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 6	Cut Vol. (CY): 17
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT): 4	Seed Area (SY): 44

Sheet Totals		
Seeding	Cut	Fill
155	56	6

CROSS SECTIONS
STA. 47+00 TO STA. 49+00

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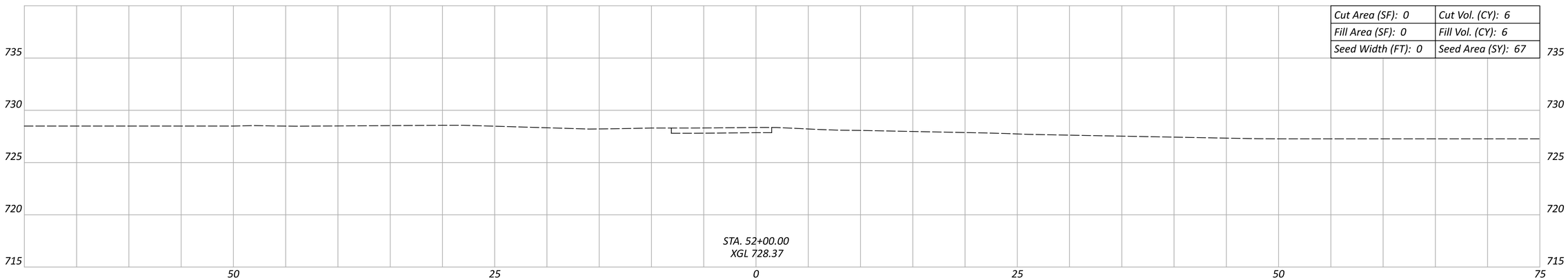
SHEET P.74 TOTAL 144

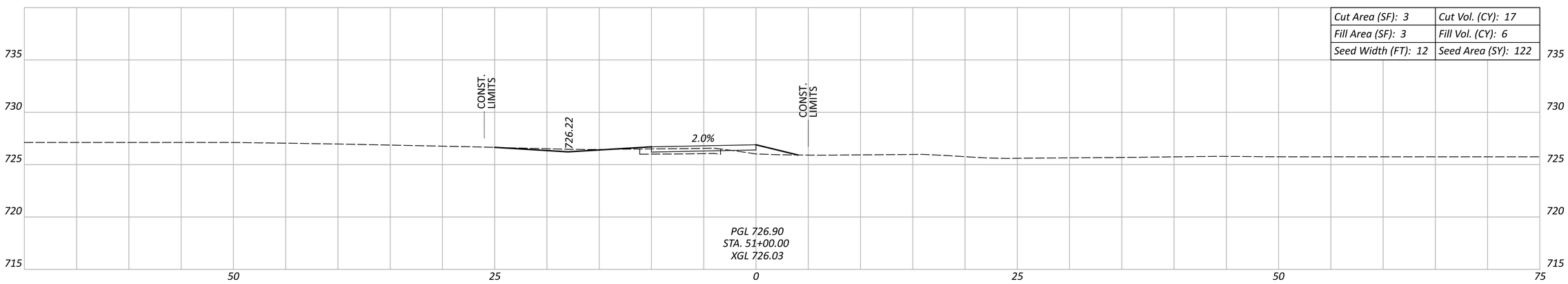
PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:45:58 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

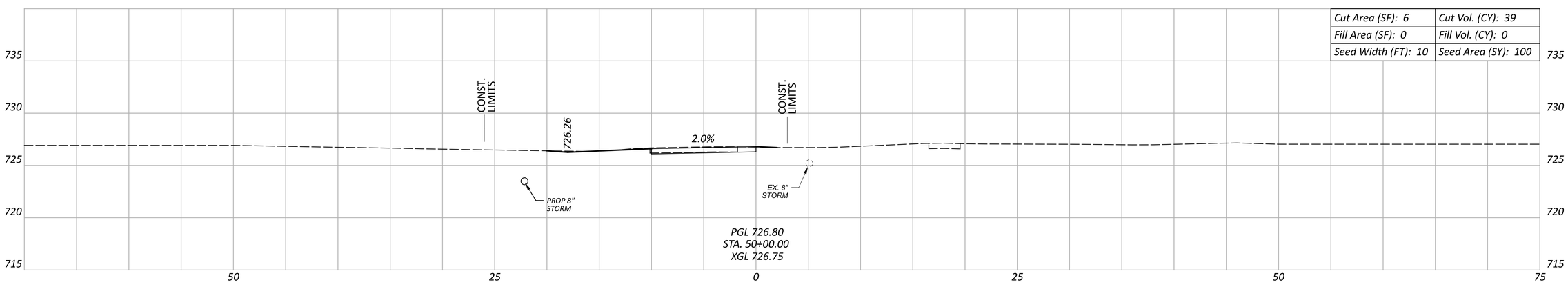
CROSS SECTIONS
STA. 50+00 TO STA. 52+00



Cut Area (SF): 0	Cut Vol. (CY): 6
Fill Area (SF): 0	Fill Vol. (CY): 6
Seed Width (FT): 0	Seed Area (SY): 67



Cut Area (SF): 3	Cut Vol. (CY): 17
Fill Area (SF): 3	Fill Vol. (CY): 6
Seed Width (FT): 12	Seed Area (SY): 122



Cut Area (SF): 6	Cut Vol. (CY): 39
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 10	Seed Area (SY): 100

Sheet Totals		
Seeding	Cut	Fill
289	62	12

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:46:29 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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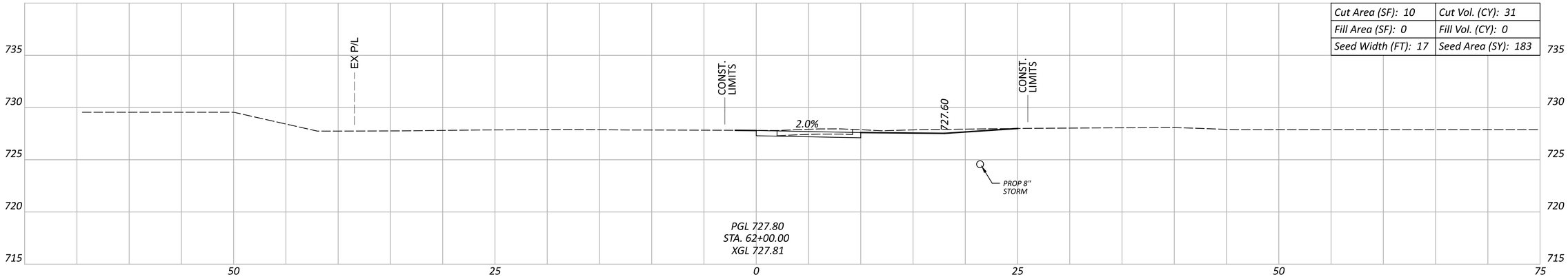
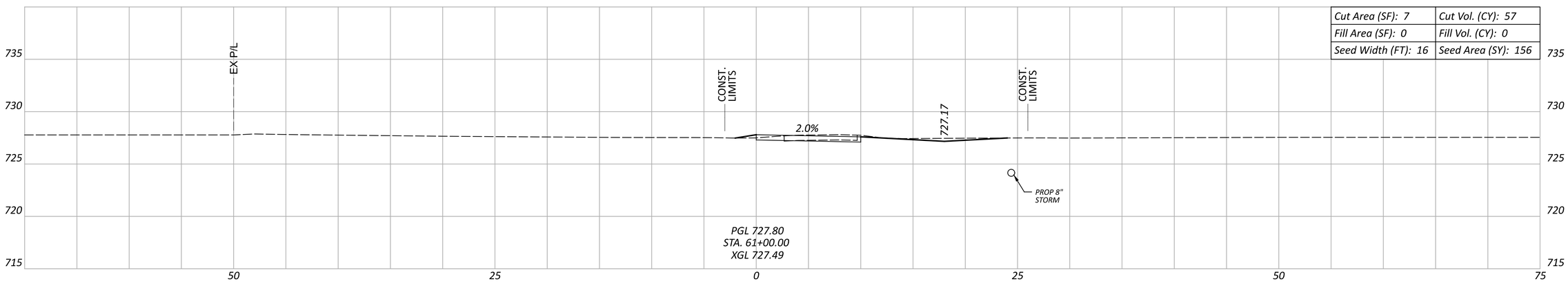
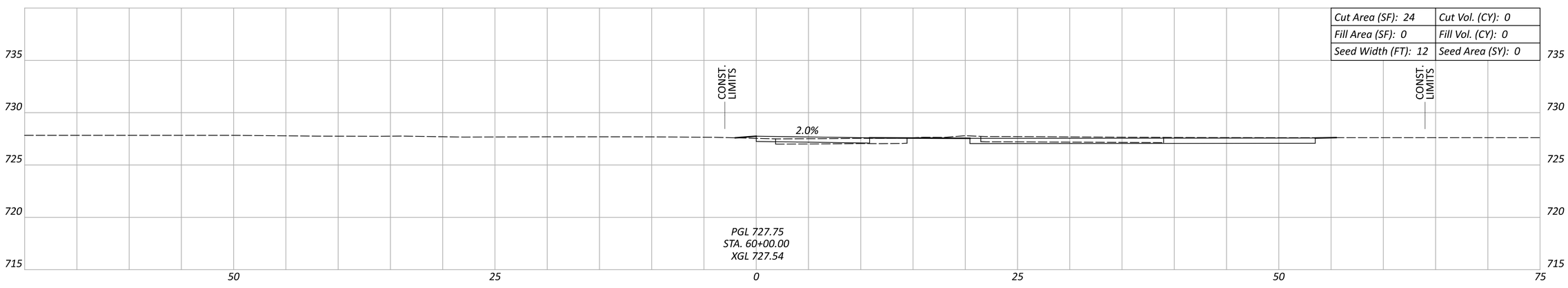
SHEET P.75 TOTAL 144







Sheet Totals		
Seeding	Cut	Fill
339	88	0

CROSS SECTIONS
STA. 60+00 TO STA. 62+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:54:47 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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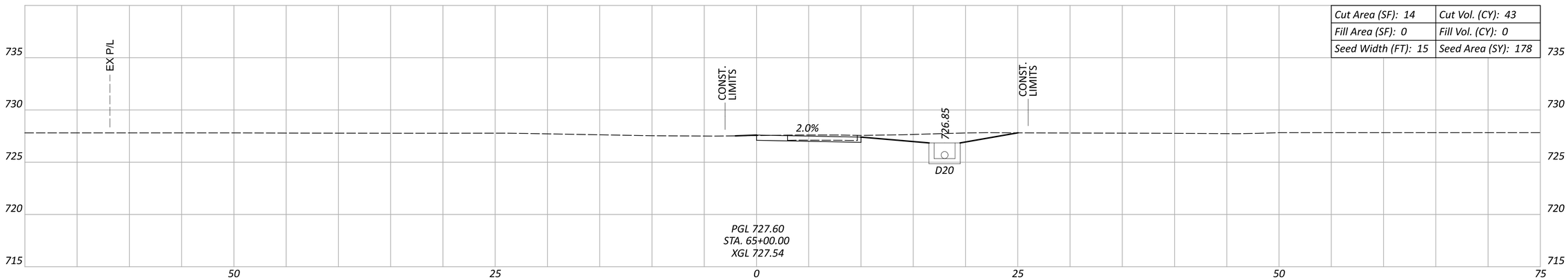
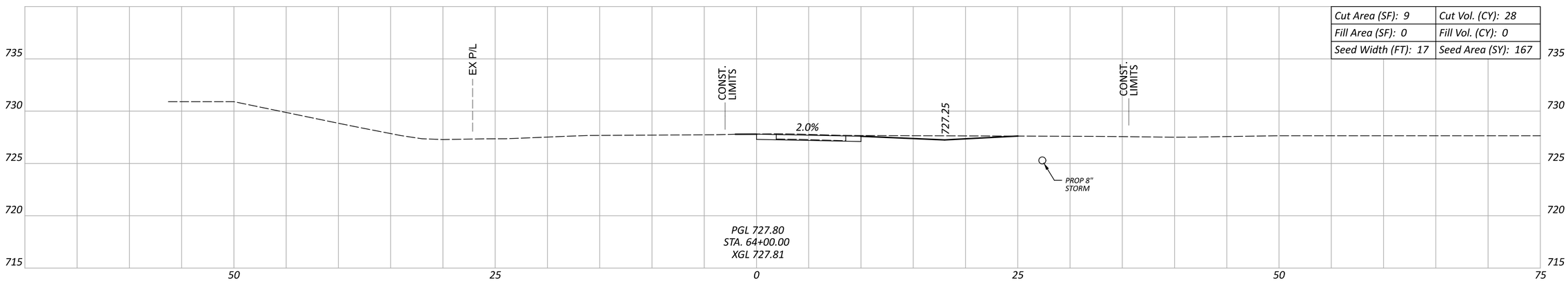
GAB 12-30-25

PROJECT ID
121886

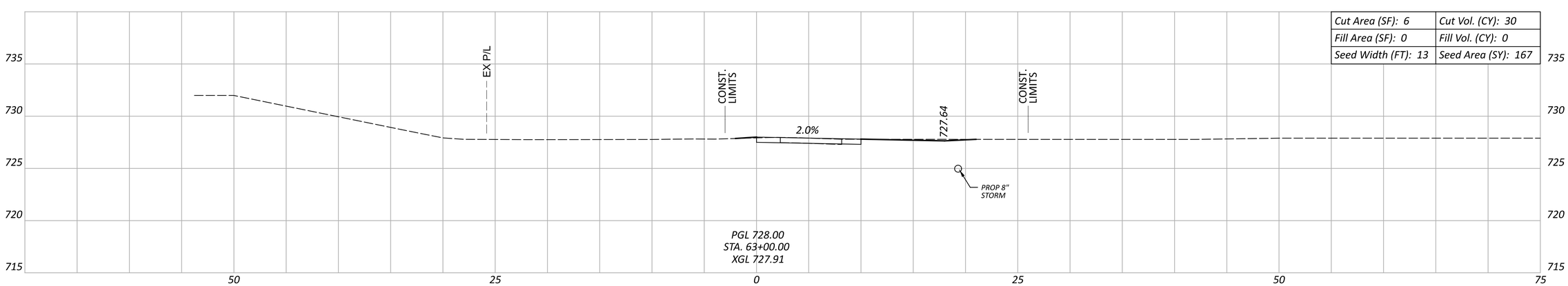
SHEET P.76 TOTAL 144



Cut Area (SF): 14	Cut Vol. (CY): 43
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 15	Seed Area (SY): 178



Cut Area (SF): 9	Cut Vol. (CY): 28
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 17	Seed Area (SY): 167



Cut Area (SF): 6	Cut Vol. (CY): 30
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 13	Seed Area (SY): 167

Sheet Totals		
Seeding	Cut	Fill
512	101	0

CROSS SECTIONS
STA. 63+00 TO STA. 65+00

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DESIGNER: KMB
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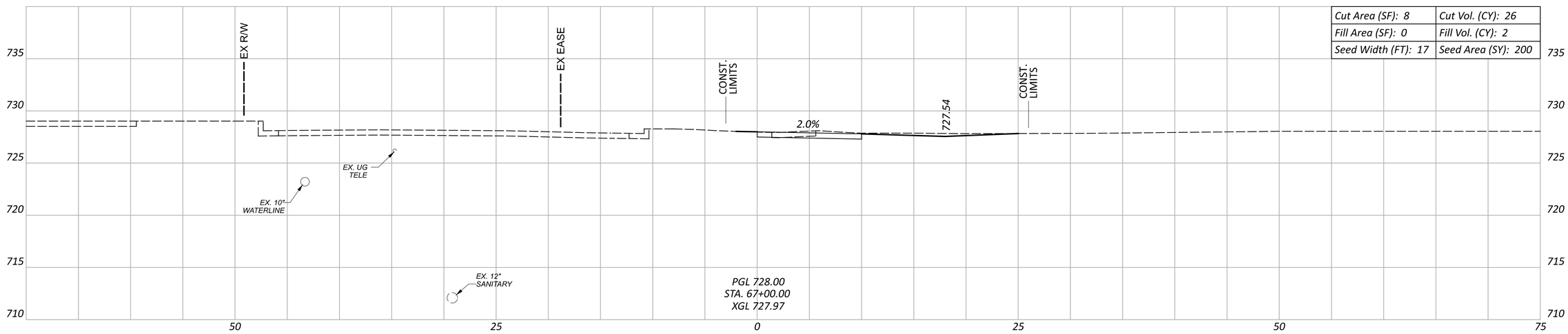
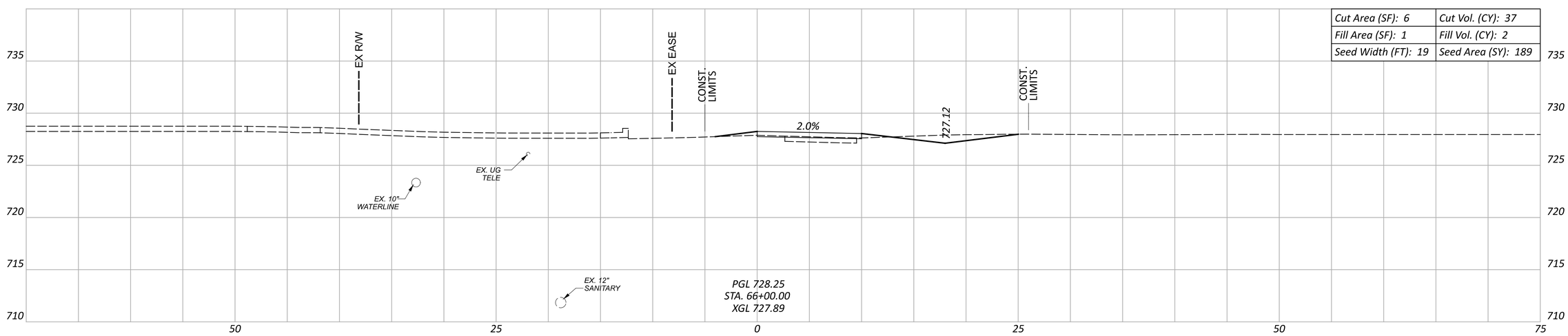
PROJECT ID: 121886
SHEET: P.77 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:55:13 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 8	Cut Vol. (CY): 26
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT): 17	Seed Area (SY): 200



Cut Area (SF): 6	Cut Vol. (CY): 37
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 19	Seed Area (SY): 189

Sheet Totals		
Seeding	Cut	Fill
389	63	4

CROSS SECTIONS
STA. 66+00 TO STA. 67+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:55:39 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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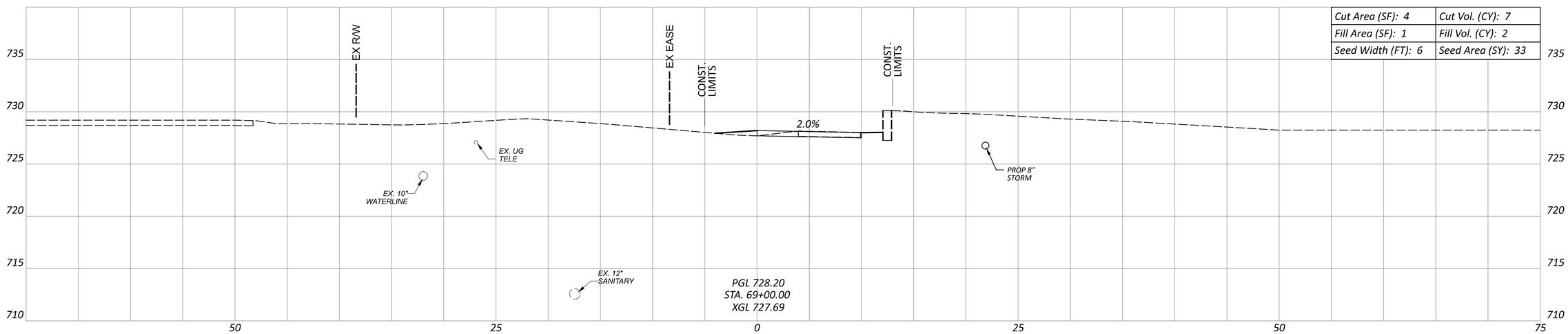
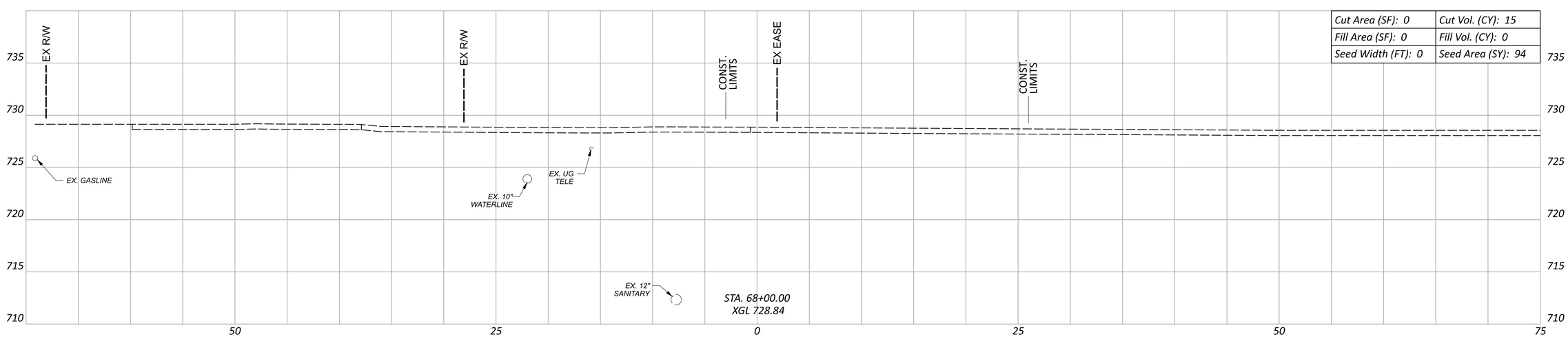
PROJECT ID
121886

SHEET P.78 TOTAL 144



Cut Area (SF): 4	Cut Vol. (CY): 7
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 6	Seed Area (SY): 33



Cut Area (SF): 0	Cut Vol. (CY): 15
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 94

Sheet Totals		
Seeding	Cut	Fill
127	22	2

CROSS SECTIONS
STA. 68+00 TO STA. 69+00

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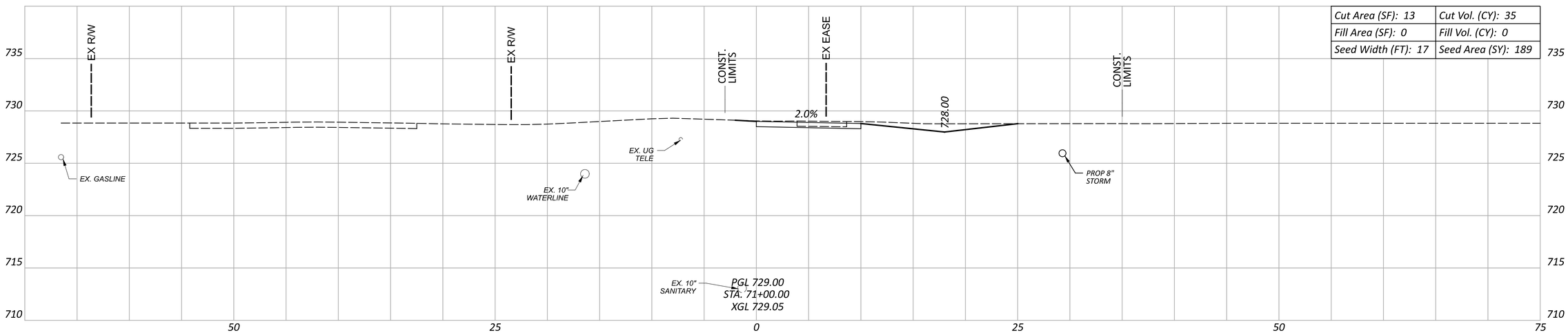
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.79 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

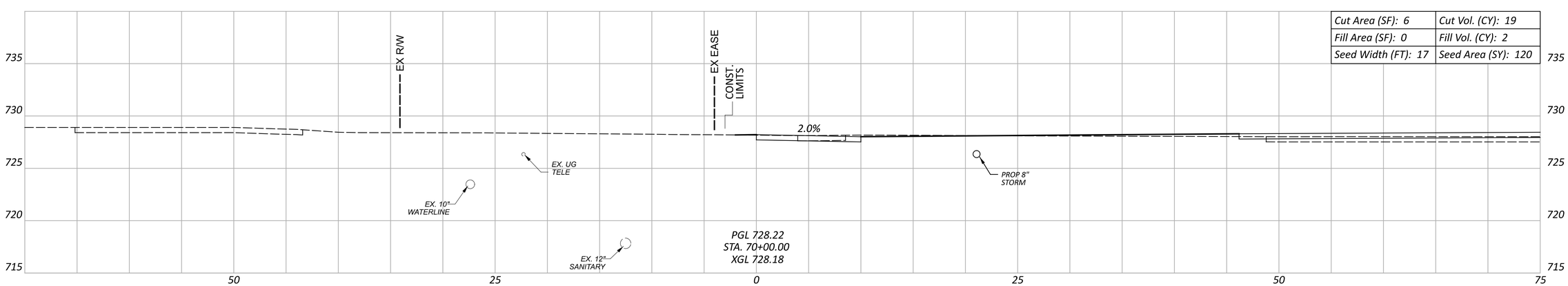
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:56:07 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

CROSS SECTIONS
STA. 70+00 TO STA. 71+00

Cut Area (SF): 13	Cut Vol. (CY): 35
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 17	Seed Area (SY): 189



Cut Area (SF): 6	Cut Vol. (CY): 19
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT): 17	Seed Area (SY): 120



Sheet Totals		
Seeding	Cut	Fill
317	54	2

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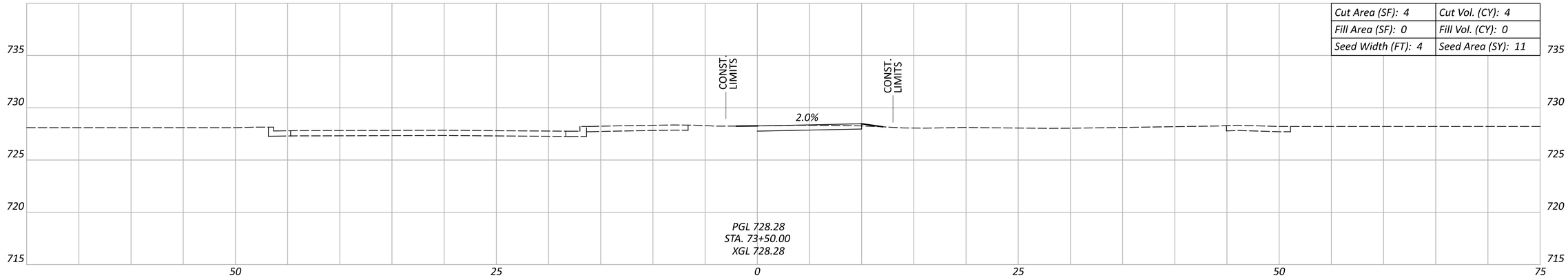
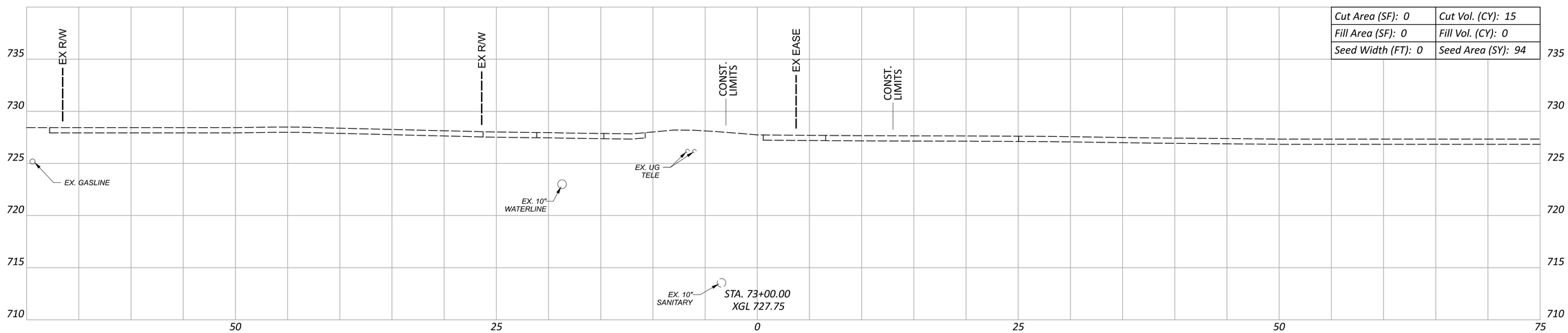
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.80 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

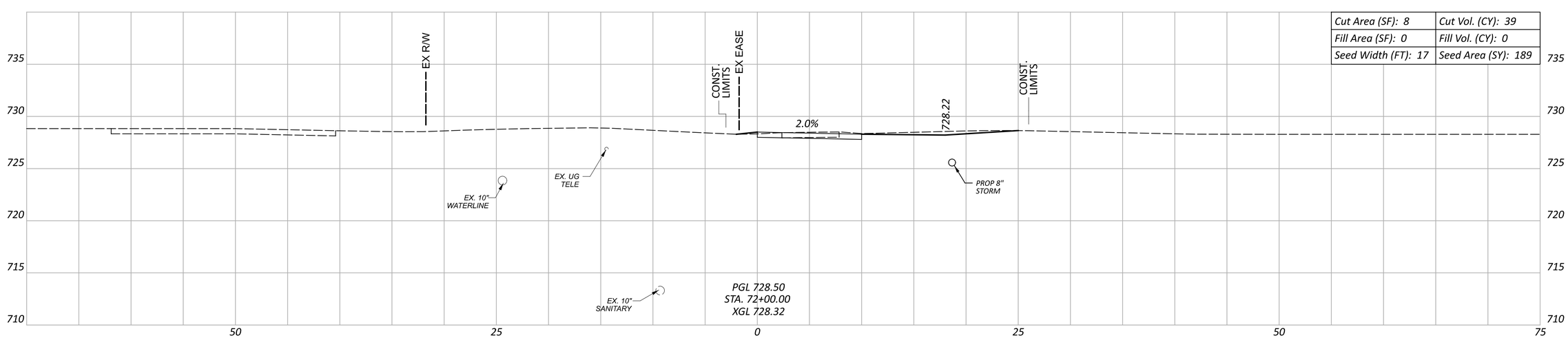
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:56:31 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 4	Cut Vol. (CY): 4
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 11



Cut Area (SF): 0	Cut Vol. (CY): 15
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 94



Cut Area (SF): 8	Cut Vol. (CY): 39
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 17	Seed Area (SY): 189

Sheet Totals		
Seeding	Cut	Fill
294	58	0

CROSS SECTIONS
STA. 72+00 TO STA. 73+50

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:56:57 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

DESIGN AGENCY
Bockrath & Associates
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DESIGNER
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REVIEWER
GAB 12-30-25

PROJECT ID
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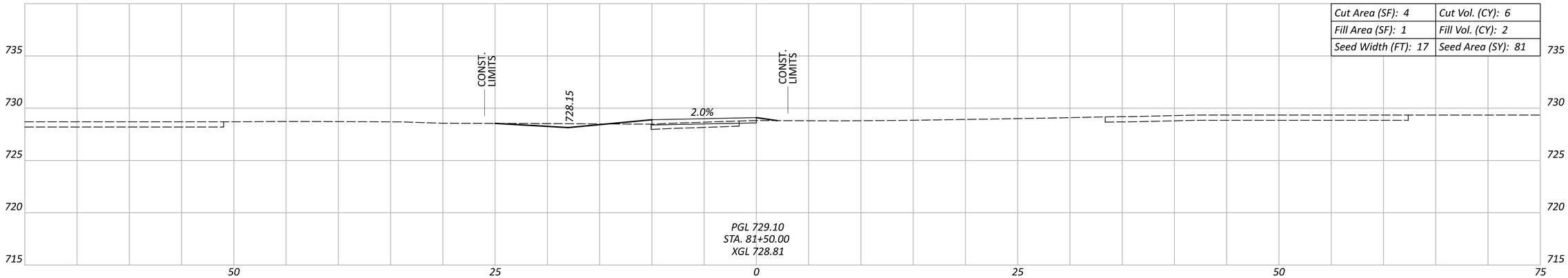
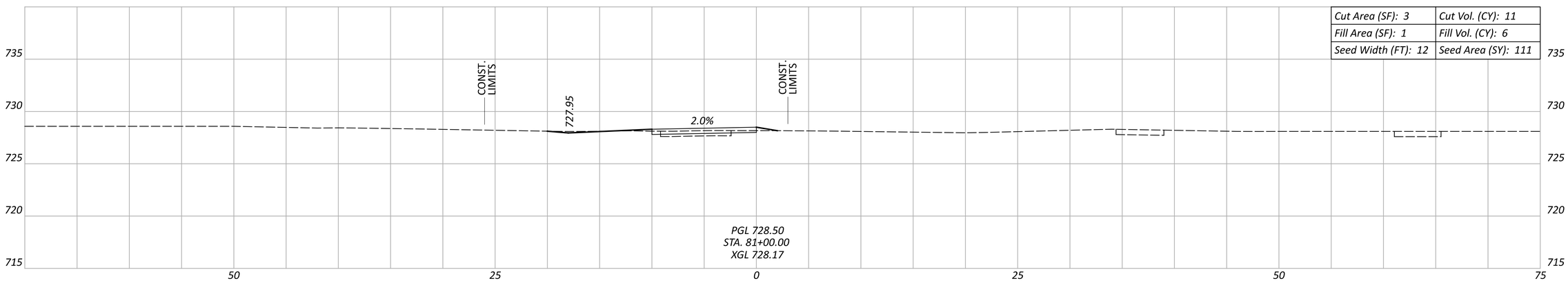
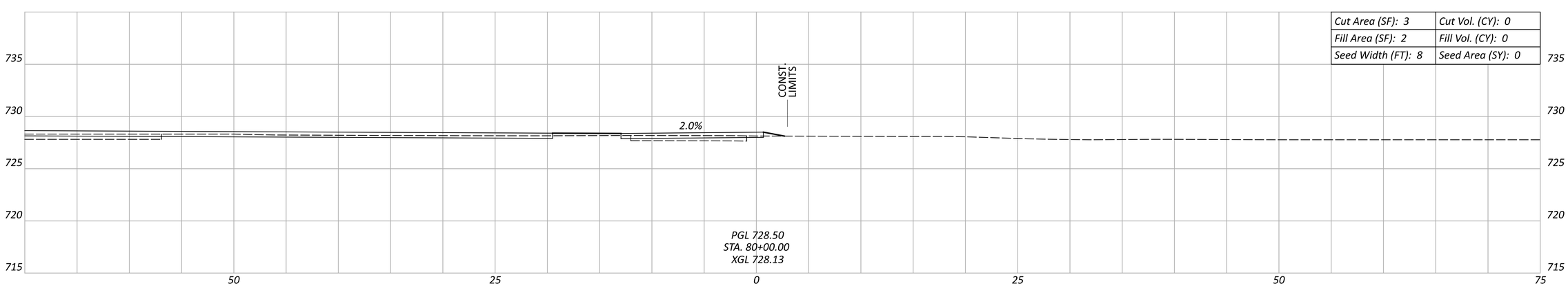
SHEET P.81 TOTAL 144



Cut Area (SF): 4	Cut Vol. (CY): 6
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 17	Seed Area (SY): 81



Cut Area (SF): 3	Cut Vol. (CY): 11
Fill Area (SF): 1	Fill Vol. (CY): 6
Seed Width (FT): 12	Seed Area (SY): 111



Cut Area (SF): 3	Cut Vol. (CY): 0
Fill Area (SF): 2	Fill Vol. (CY): 0
Seed Width (FT): 8	Seed Area (SY): 0

Sheet Totals		
Seeding	Cut	Fill
192	17	8

CROSS SECTIONS
STA. 80+00 TO STA. 81+50

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PROJECT ID
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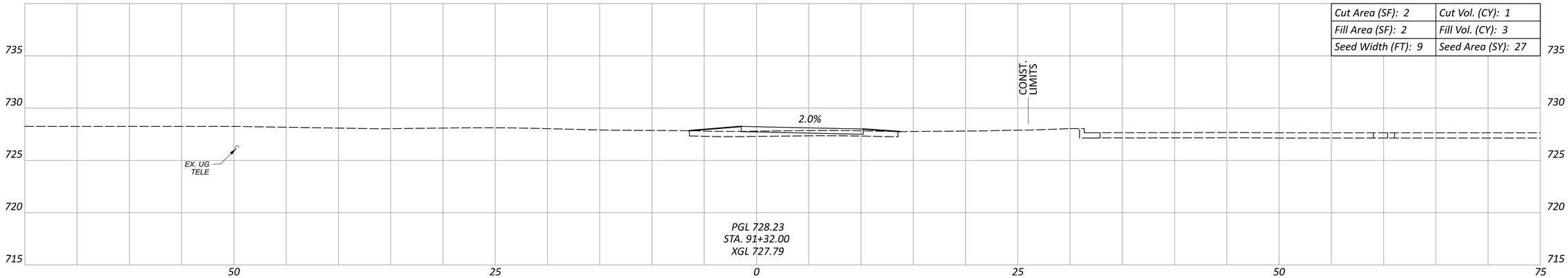
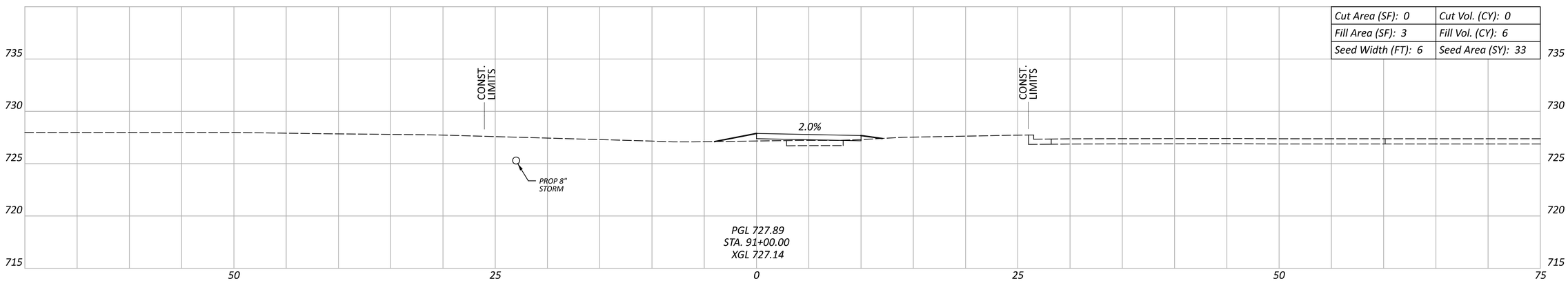
SHEET P.82 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

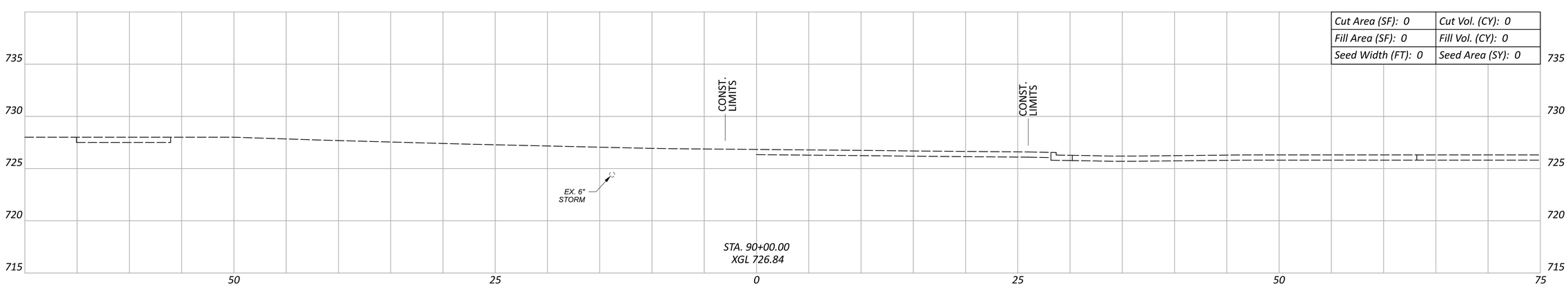
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:57:24 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 2	Cut Vol. (CY): 1
Fill Area (SF): 2	Fill Vol. (CY): 3
Seed Width (FT): 9	Seed Area (SY): 27



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 3	Fill Vol. (CY): 6
Seed Width (FT): 6	Seed Area (SY): 33



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

Sheet Totals		
Seeding	Cut	Fill
60	1	9

CROSS SECTIONS
STA. 90+00 TO STA. 91+32

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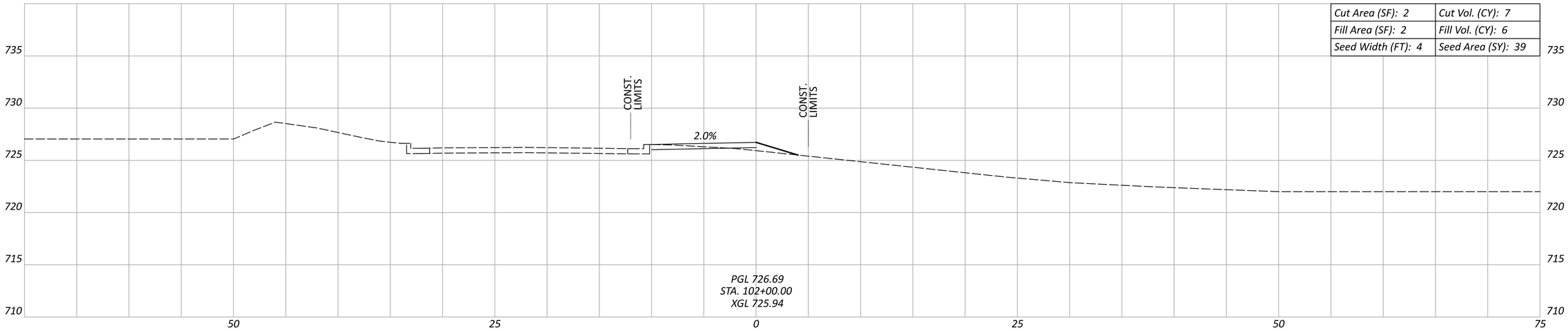
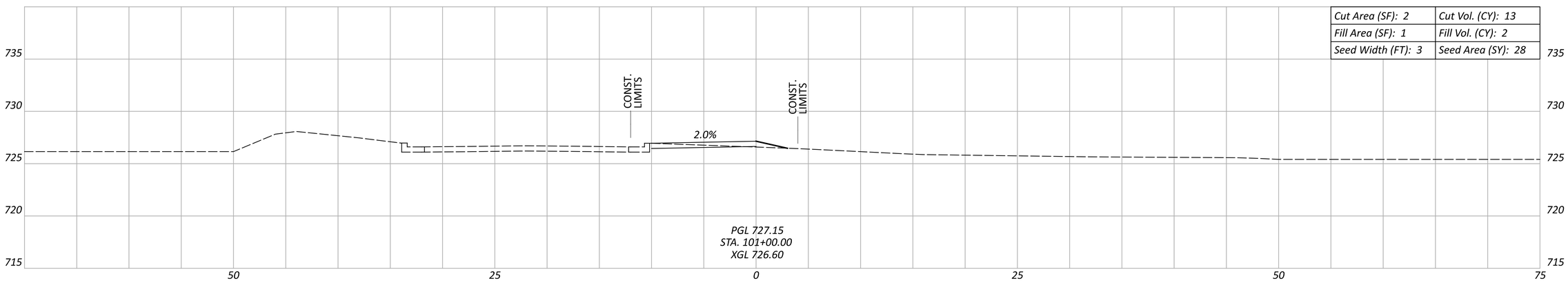
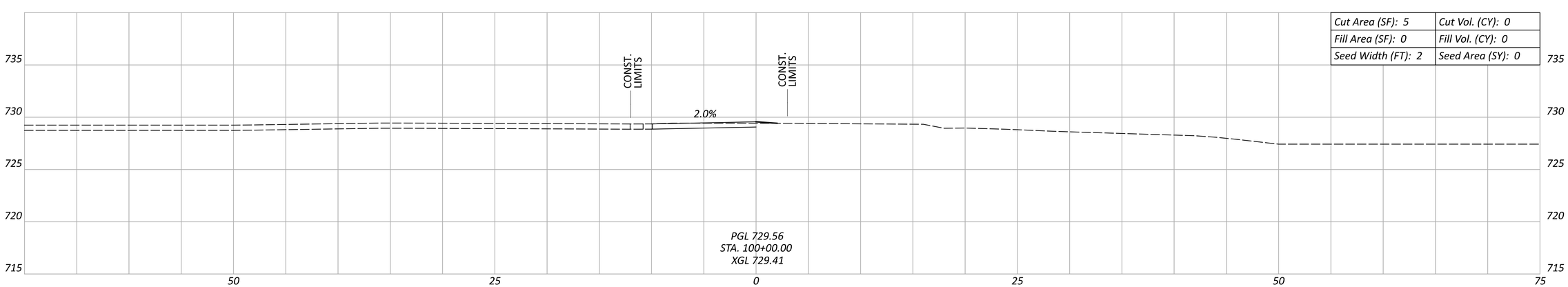
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.83 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:57:48 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn







Sheet Totals		
Seeding	Cut	Fill
67	20	8

CROSS SECTIONS
STA. 100+00 TO STA. 102+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:58:20 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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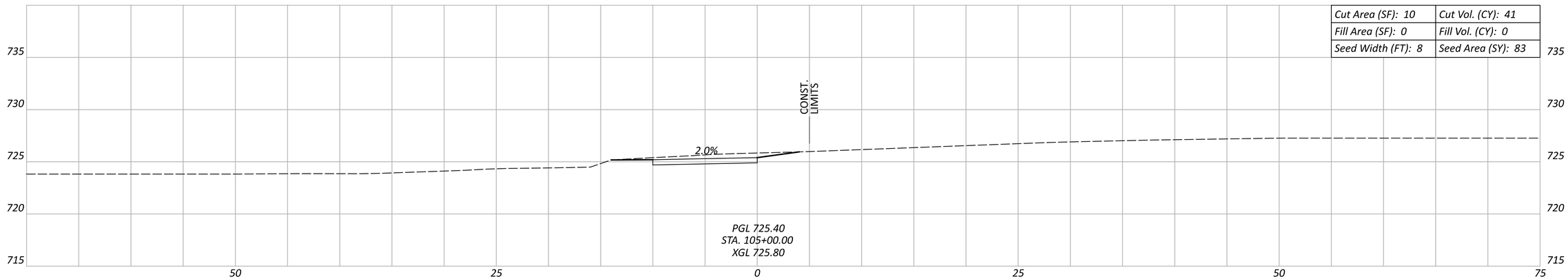
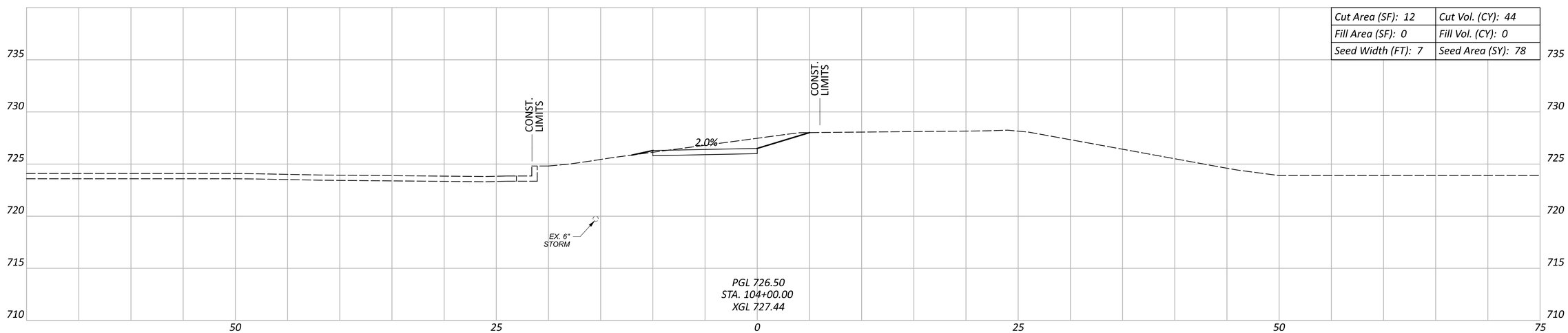
PROJECT ID
121886

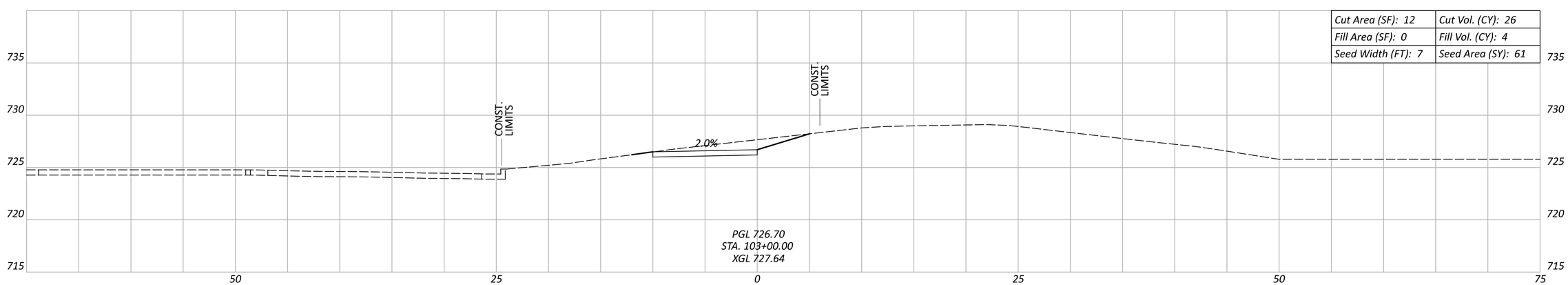
SHEET P.84 TOTAL 144



Cut Area (SF): 10	Cut Vol. (CY): 41
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 8	Seed Area (SY): 83



Cut Area (SF): 12	Cut Vol. (CY): 44
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 7	Seed Area (SY): 78



Cut Area (SF): 12	Cut Vol. (CY): 26
Fill Area (SF): 0	Fill Vol. (CY): 4
Seed Width (FT): 7	Seed Area (SY): 61

Sheet Totals		
Seeding	Cut	Fill
222	111	4

CROSS SECTIONS
STA. 103+00 TO STA. 105+00

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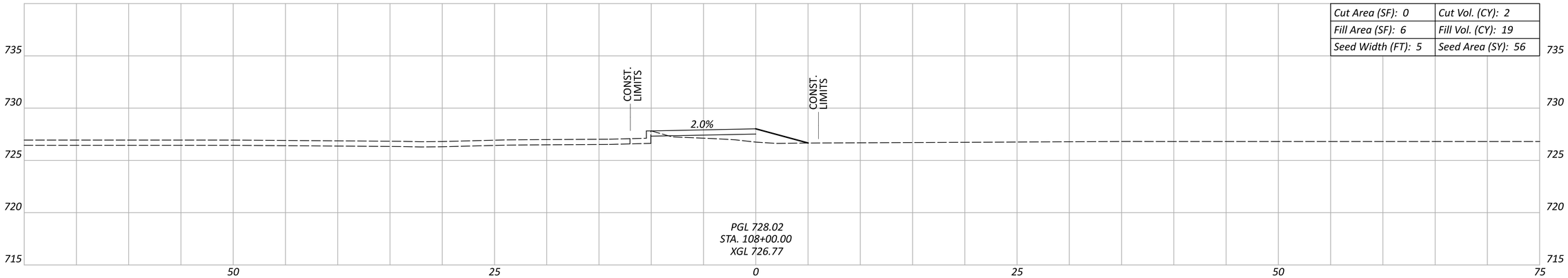
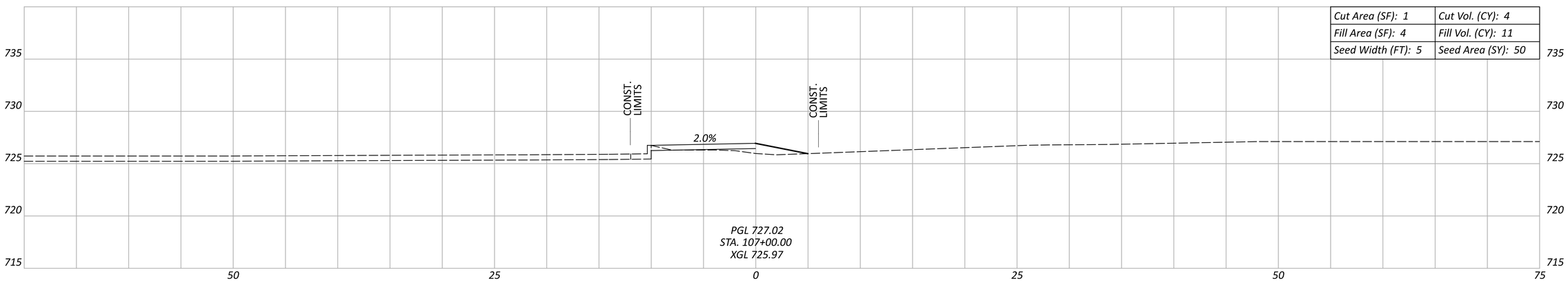
PROJECT ID 121886
SHEET P.85 TOTAL 144

'PUT-KALIDA PEDESTRIAN LOOP

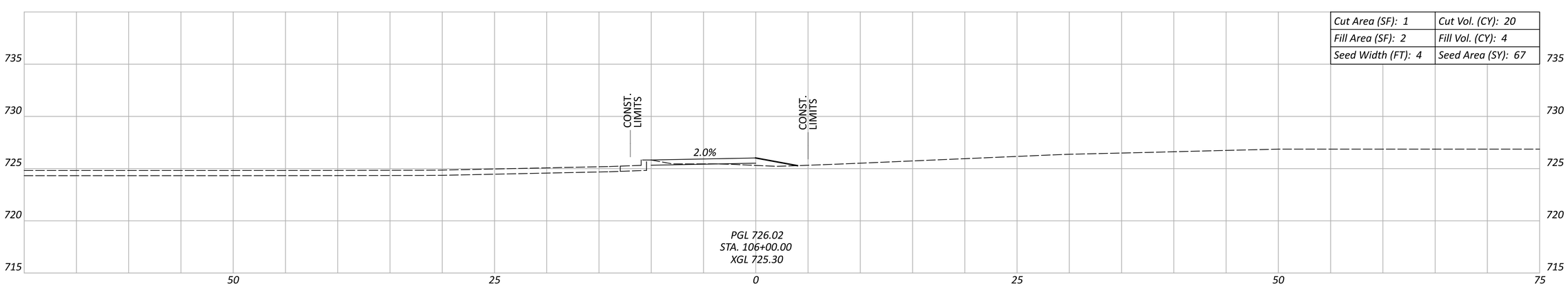
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:58:45 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 0	Cut Vol. (CY): 2
Fill Area (SF): 6	Fill Vol. (CY): 19
Seed Width (FT): 5	Seed Area (SY): 56



Cut Area (SF): 1	Cut Vol. (CY): 4
Fill Area (SF): 4	Fill Vol. (CY): 11
Seed Width (FT): 5	Seed Area (SY): 50



Cut Area (SF): 1	Cut Vol. (CY): 20
Fill Area (SF): 2	Fill Vol. (CY): 4
Seed Width (FT): 4	Seed Area (SY): 67

Sheet Totals		
Seeding	Cut	Fill
173	26	34

CROSS SECTIONS
STA. 106+00 TO STA. 108+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:59:10 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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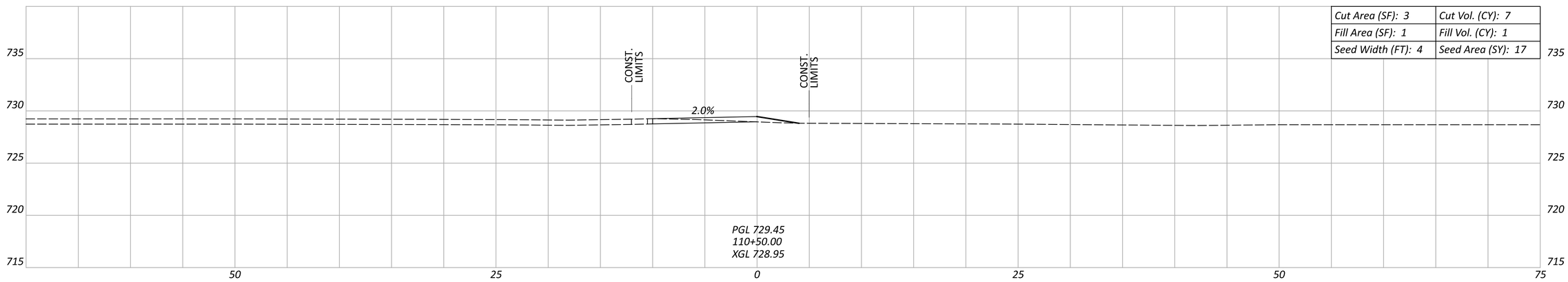
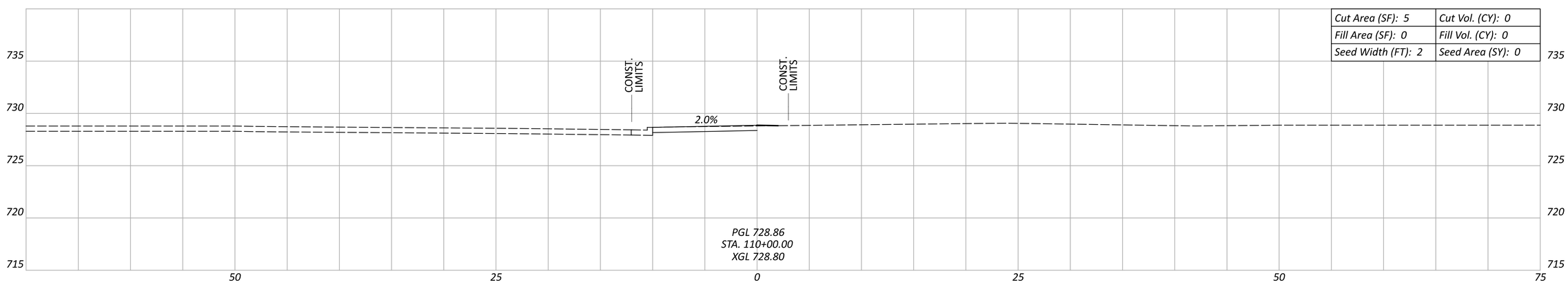
REVIEWER: GAB 12-30-25
PROJECT ID: 121886





CROSS SECTIONS
STA. 110+00 TO STA. 110+50

Sheet Totals		
Seeding	Cut	Fill
17	7	1

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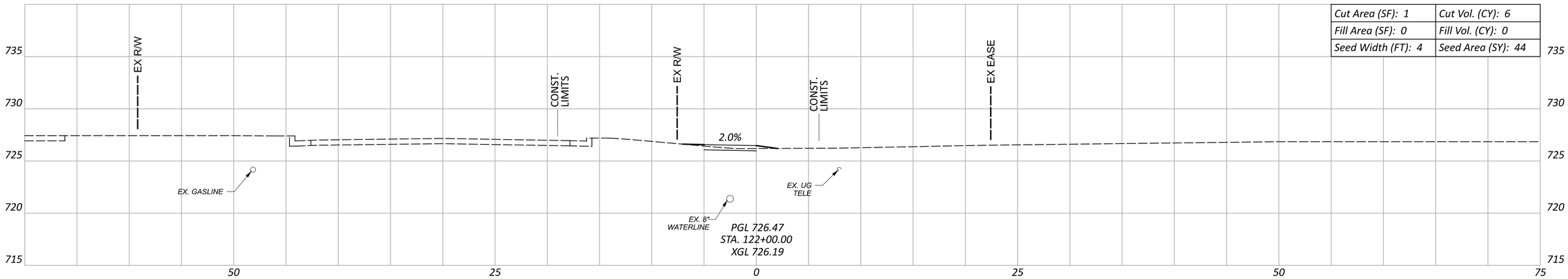
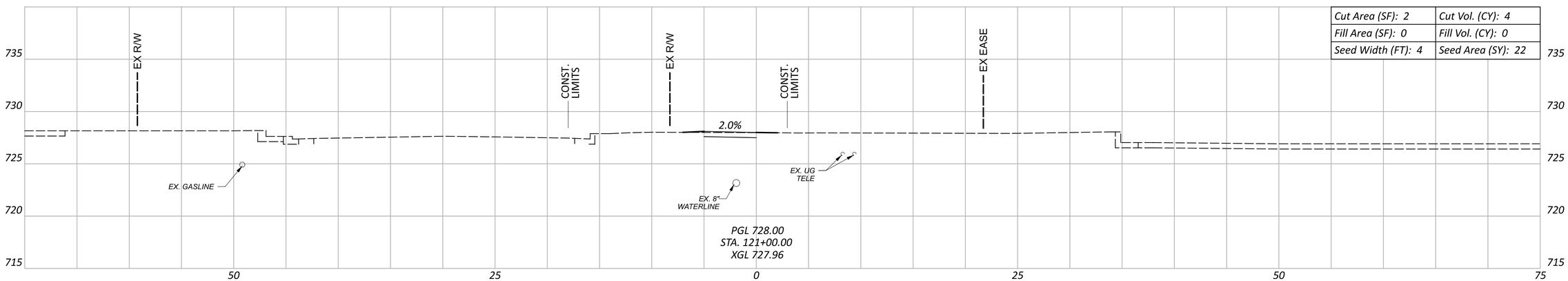
PROJECT ID: 121886
SHEET: P.87 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

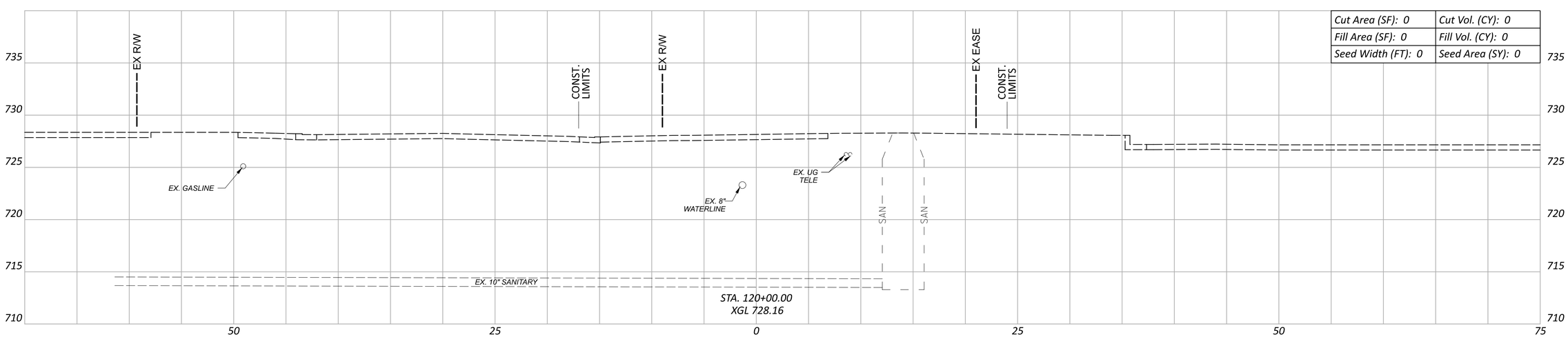
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 10:59:41 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 1	Cut Vol. (CY): 6
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 22



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

Sheet Totals		
Seeding	Cut	Fill
66	10	0

CROSS SECTIONS
STA. 120+00 TO STA. 122+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:00:05 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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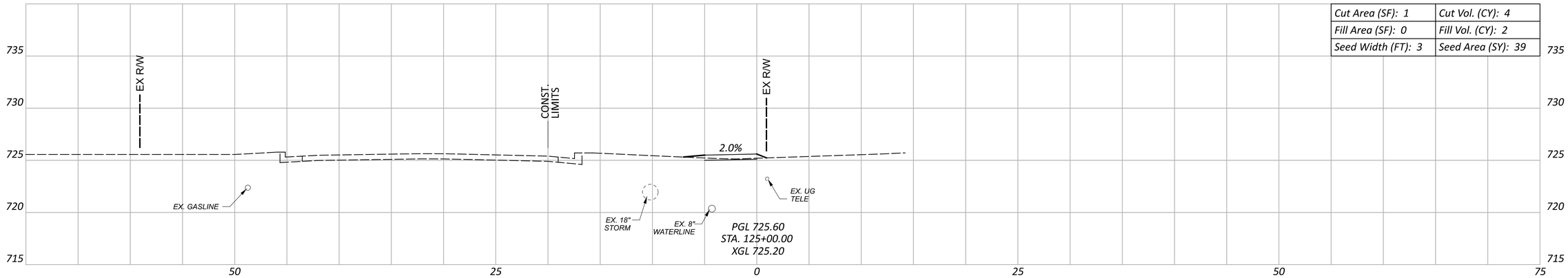
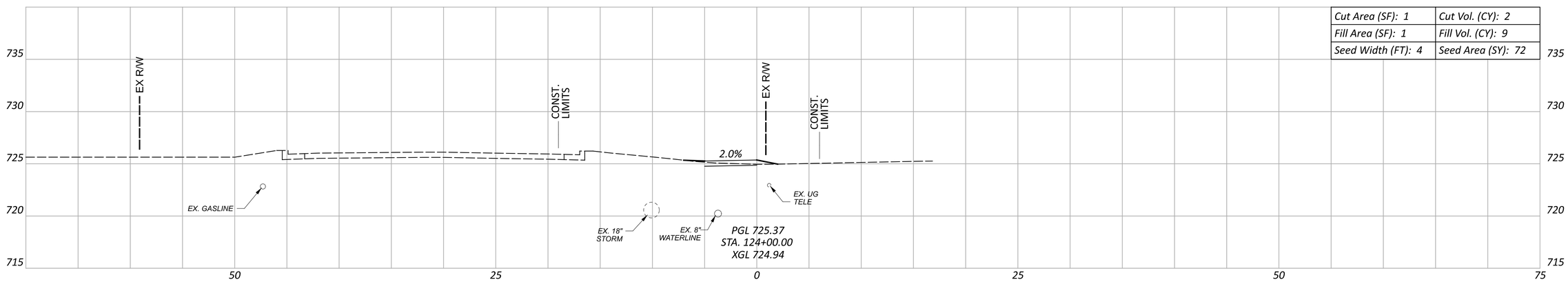
PROJECT ID
121886

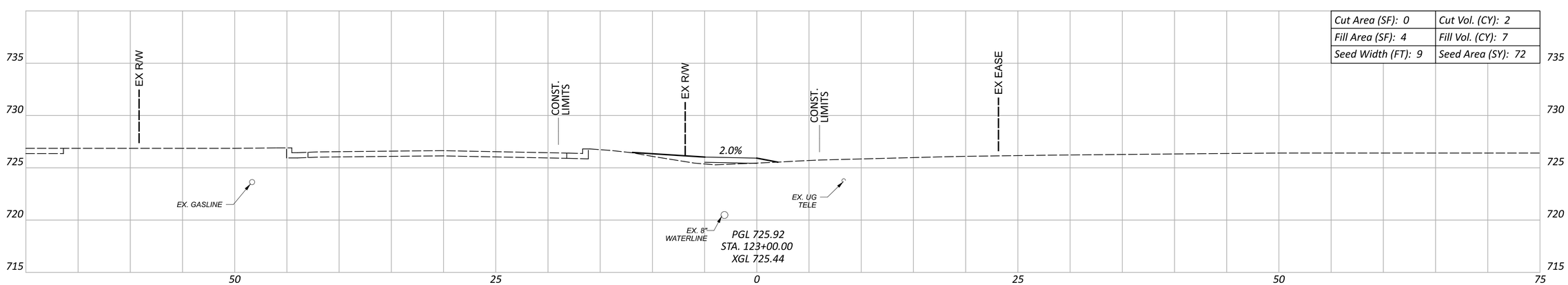
SHEET P.88 TOTAL 144



Cut Area (SF): 1	Cut Vol. (CY): 4
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT): 3	Seed Area (SY): 39



Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 1	Fill Vol. (CY): 9
Seed Width (FT): 4	Seed Area (SY): 72



Cut Area (SF): 0	Cut Vol. (CY): 2
Fill Area (SF): 4	Fill Vol. (CY): 7
Seed Width (FT): 9	Seed Area (SY): 72

CROSS SECTIONS
STA. 123+00 TO STA. 125+00

Sheet Totals		
Seeding	Cut	Fill
183	8	18

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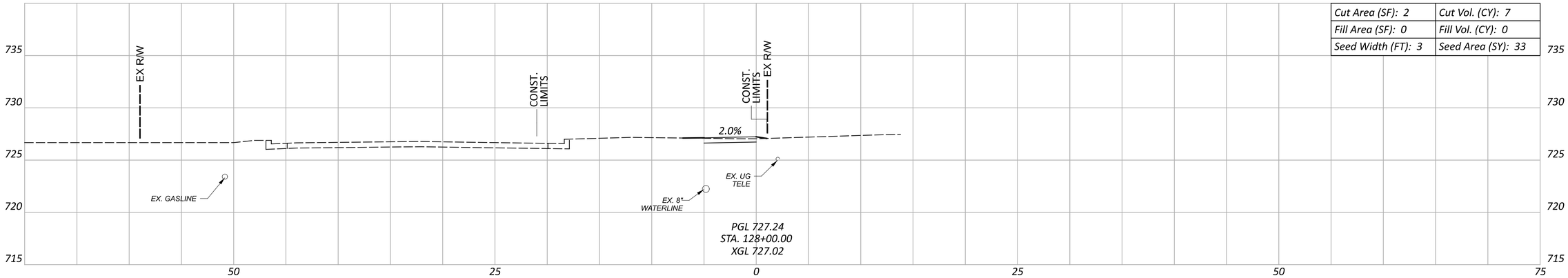
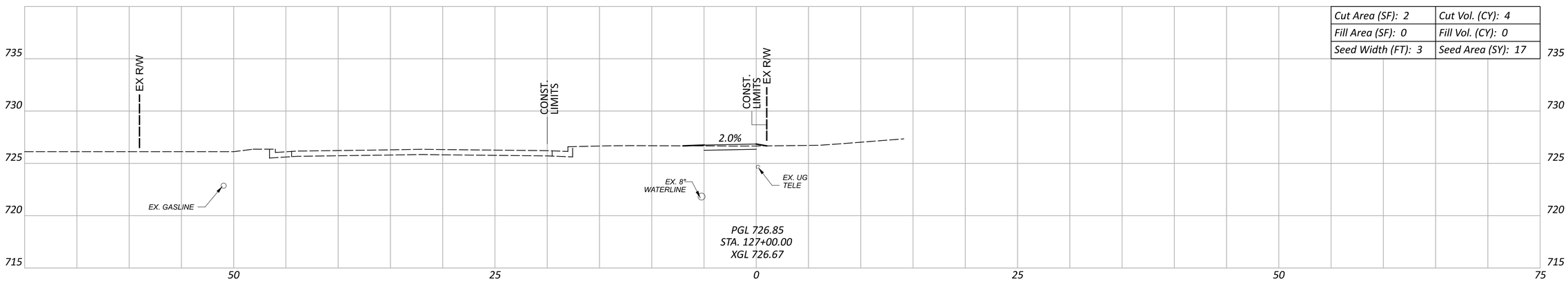
SHEET P.89 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

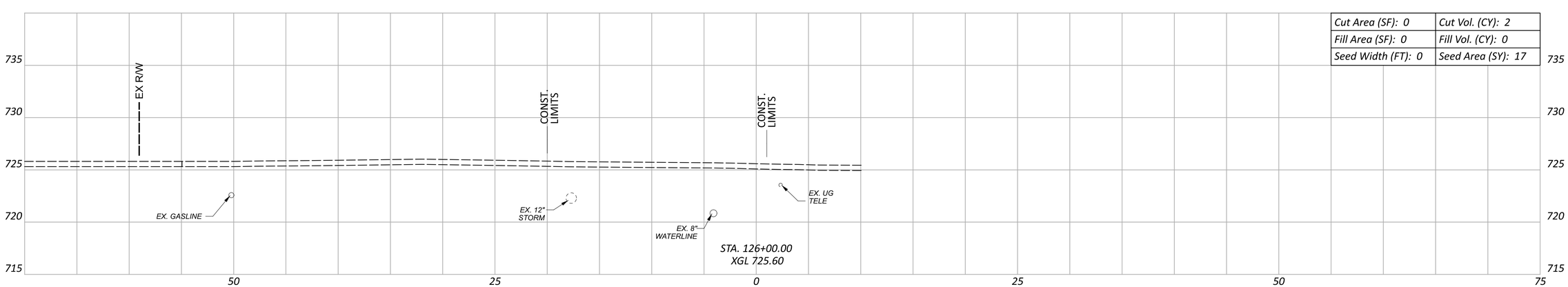
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:00:30 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 3	Seed Area (SY): 33



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 3	Seed Area (SY): 17



Cut Area (SF): 0	Cut Vol. (CY): 2
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 17

Sheet Totals		
Seeding	Cut	Fill
67	13	0

CROSS SECTIONS
STA. 126+00 TO STA. 128+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:00:57 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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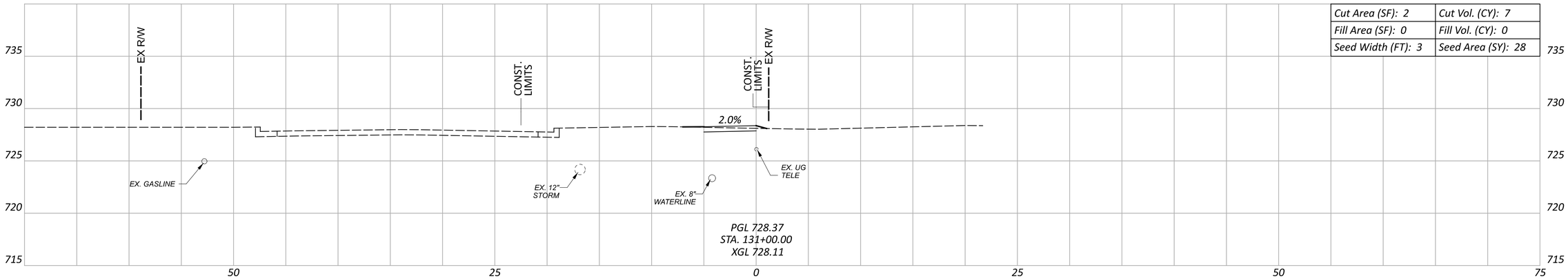
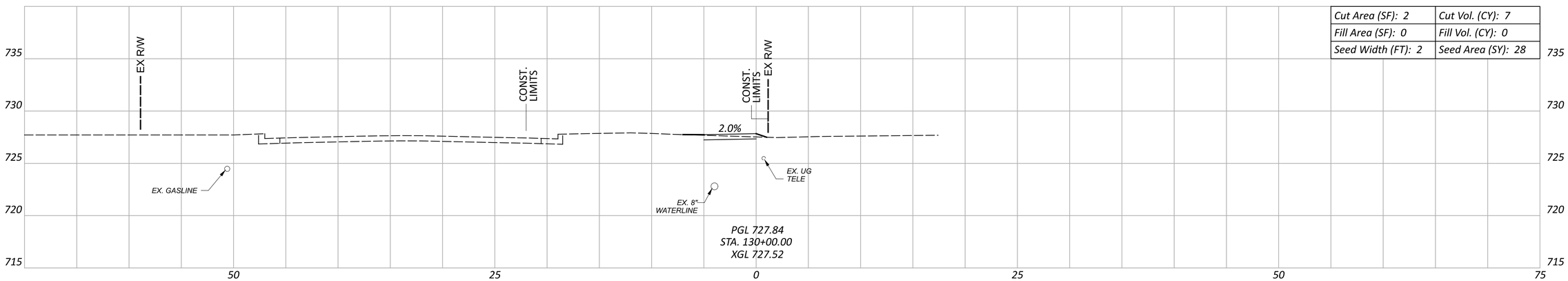
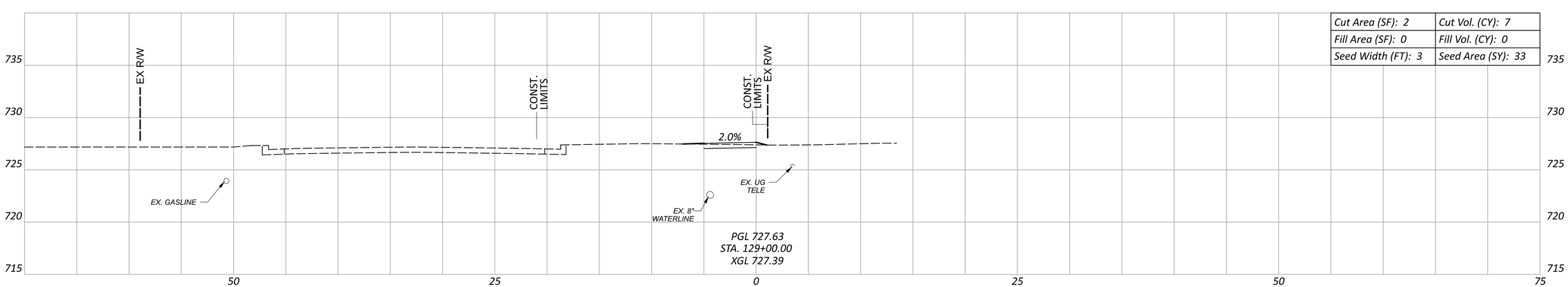
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 3	Seed Area (SY): 28



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 2	Seed Area (SY): 28



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 3	Seed Area (SY): 33

Sheet Totals		
Seeding	Cut	Fill
89	21	0

CROSS SECTIONS
STA. 129+00 TO STA. 131+00

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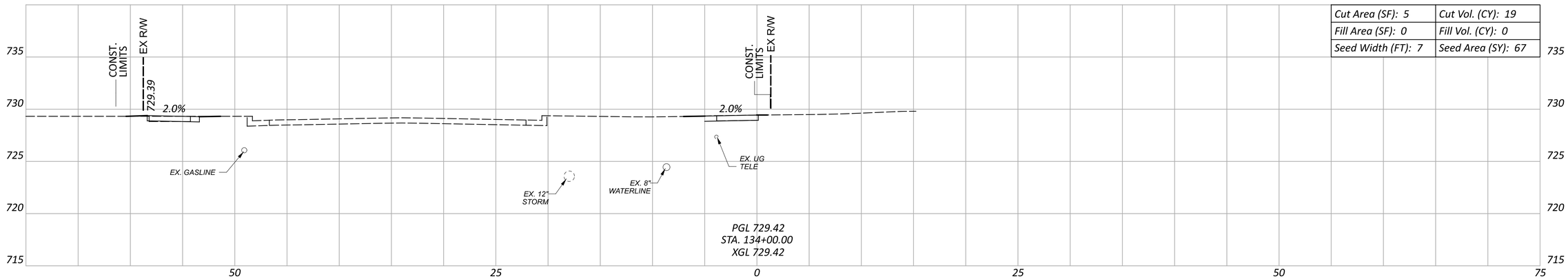
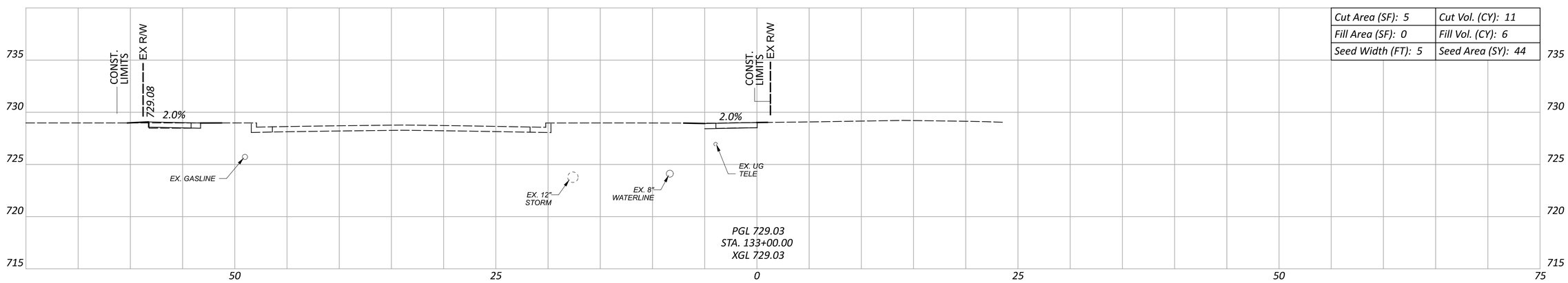
PROJECT ID: 121886
SHEET: P.91 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

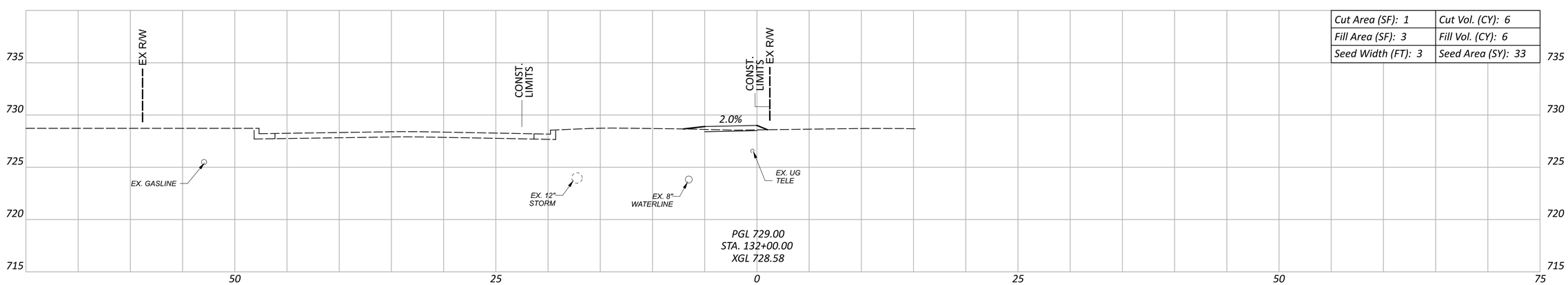
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:01:21 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 5	Cut Vol. (CY): 19
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 7	Seed Area (SY): 67



Cut Area (SF): 5	Cut Vol. (CY): 11
Fill Area (SF): 0	Fill Vol. (CY): 6
Seed Width (FT): 5	Seed Area (SY): 44



Cut Area (SF): 1	Cut Vol. (CY): 6
Fill Area (SF): 3	Fill Vol. (CY): 6
Seed Width (FT): 3	Seed Area (SY): 33

Sheet Totals		
Seeding	Cut	Fill
144	36	0

CROSS SECTIONS
STA. 132+00 TO STA. 134+00

DESIGN AGENCY
Bockrath & Associates
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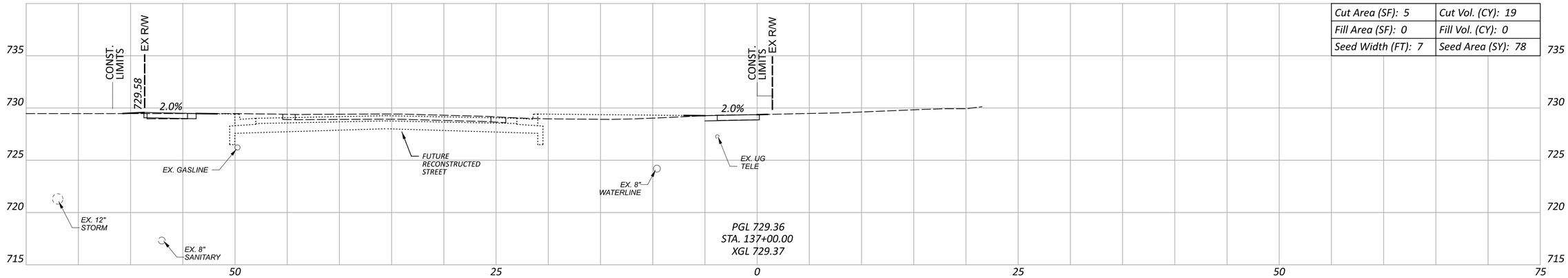
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

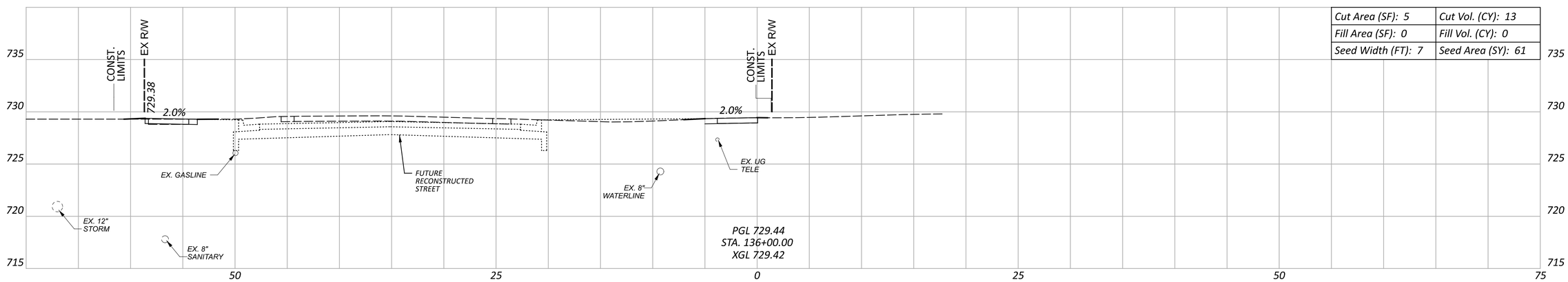
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.92 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

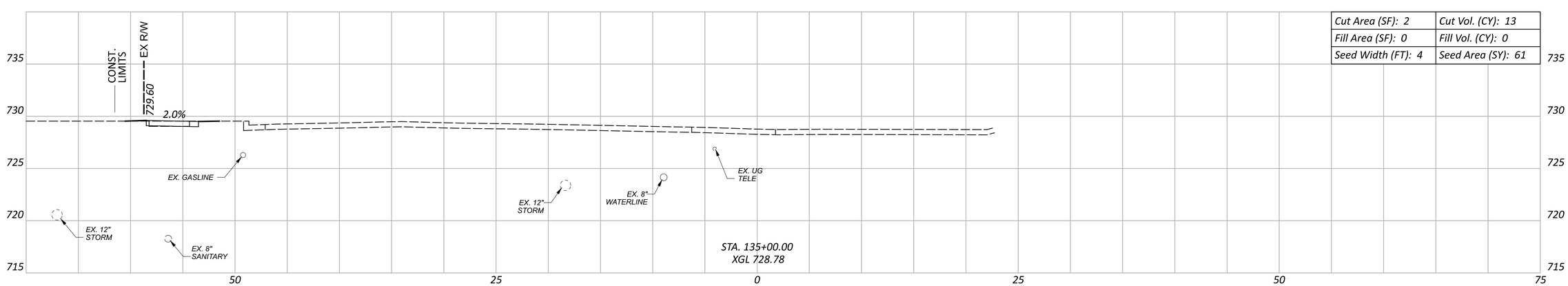
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:01:44 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 5	Cut Vol. (CY): 19
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 7	Seed Area (SY): 78



Cut Area (SF): 5	Cut Vol. (CY): 13
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 7	Seed Area (SY): 61



Cut Area (SF): 2	Cut Vol. (CY): 13
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 61

Sheet Totals		
Seeding	Cut	Fill
200	45	0

CROSS SECTIONS
STA. 135+00 TO STA. 137+00

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DESIGNER
KMB

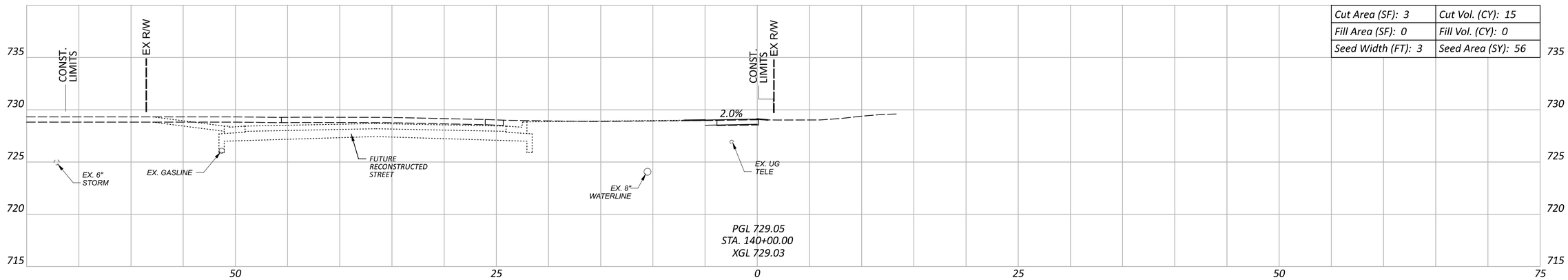
REVIEWER
GAB 2-2-26

PROJECT ID
121886

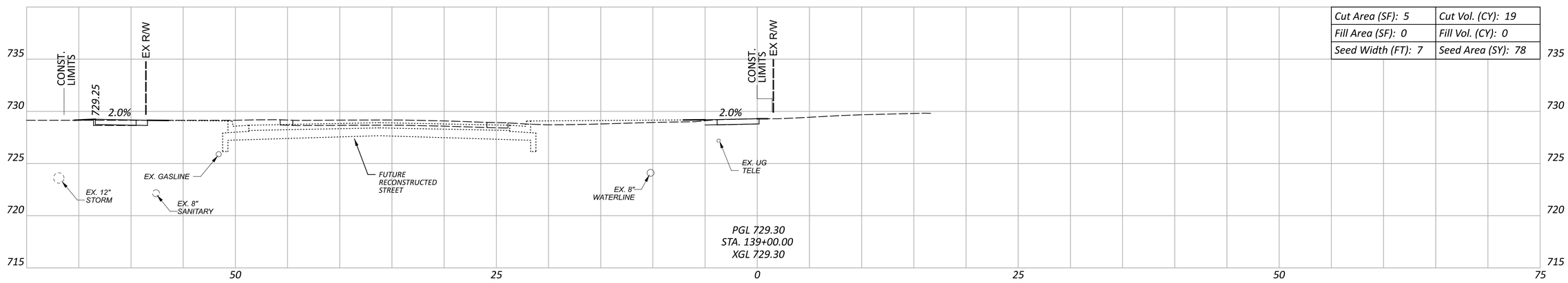
SHEET P.93 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

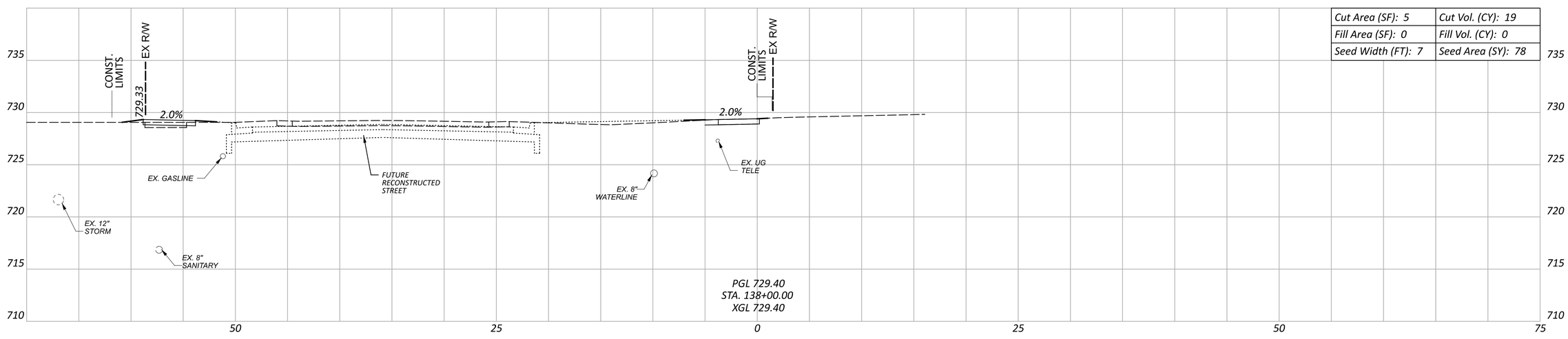
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 2/2/2026 TIME: 12:51:41 PM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 3	Cut Vol. (CY): 15
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 3	Seed Area (SY): 56



Cut Area (SF): 5	Cut Vol. (CY): 19
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 7	Seed Area (SY): 78



Cut Area (SF): 5	Cut Vol. (CY): 19
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 7	Seed Area (SY): 78

Sheet Totals		
Seeding	Cut	Fill
212	53	0

CROSS SECTIONS
STA. 138+00 TO STA. 140+00

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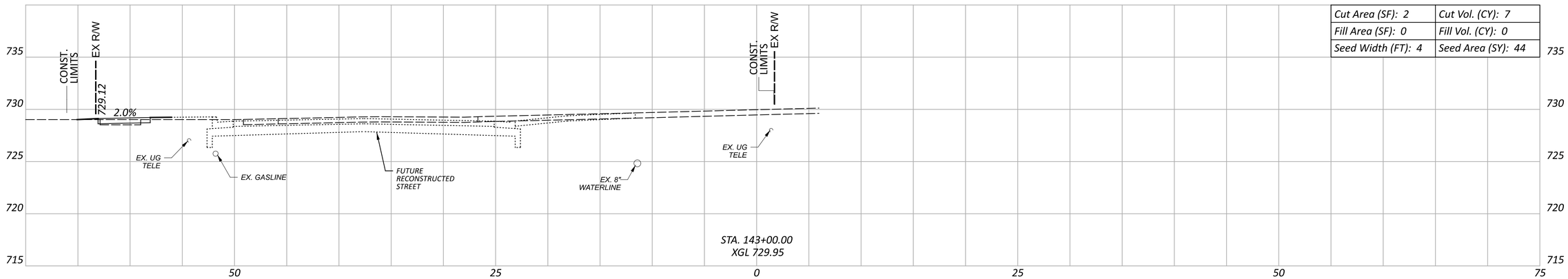
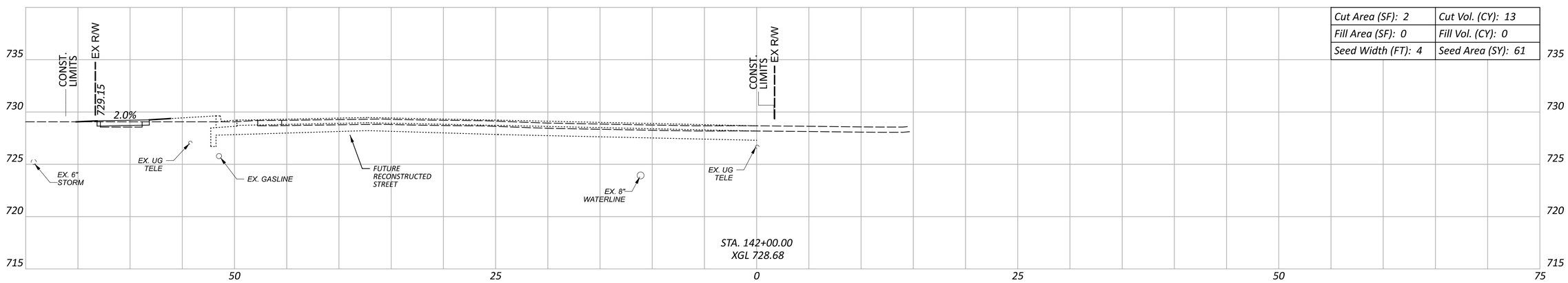
DESIGNER: KMB
REVIEWER: GAB 2-2-26
PROJECT ID: 121886
SHEET: P.94 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

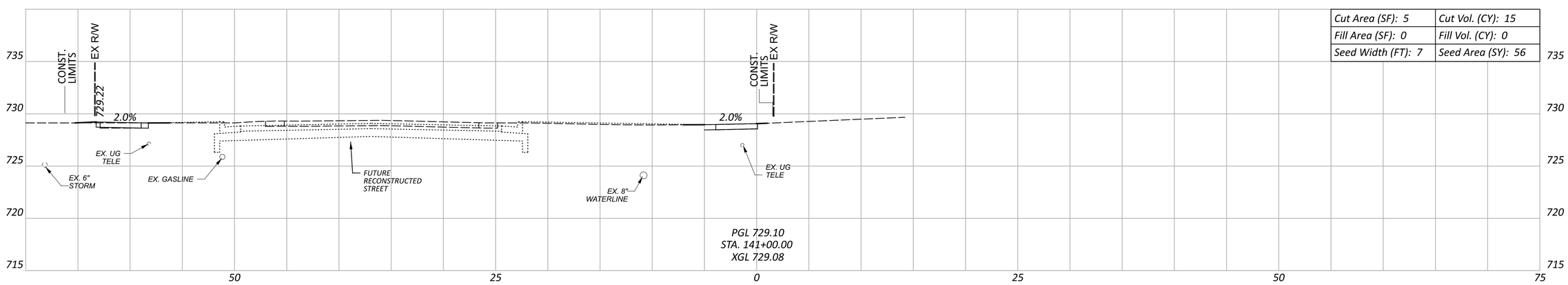
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 2/2/2026 TIME: 12:52:15 PM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 2	Cut Vol. (CY): 13
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 61



Cut Area (SF): 5	Cut Vol. (CY): 15
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 7	Seed Area (SY): 56

Sheet Totals		
Seeding	Cut	Fill
161	35	0

CROSS SECTIONS
STA. 141+00 TO STA. 143+00

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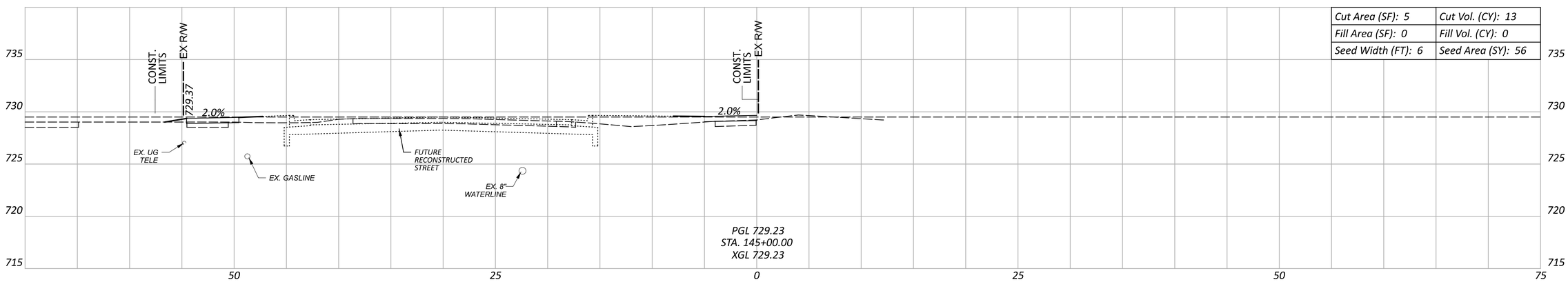
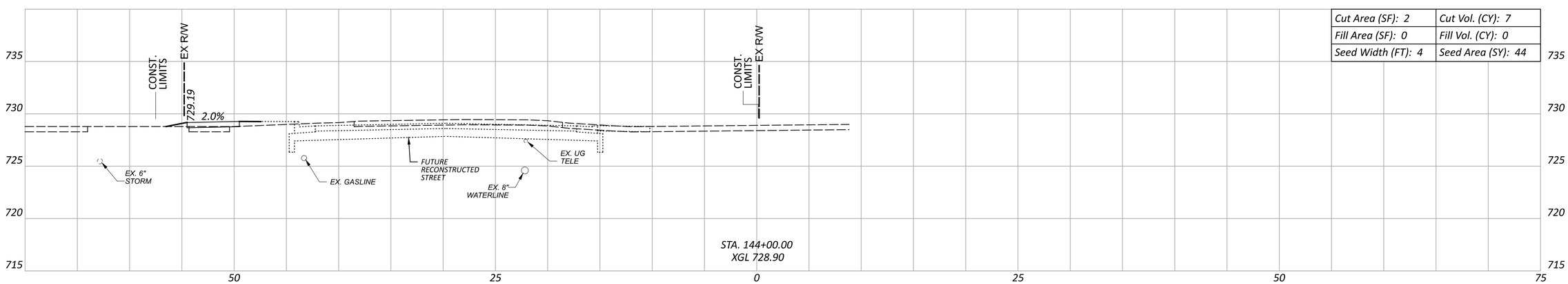
DESIGNER: KMB
REVIEWER: GAB 2-2-26
PROJECT ID: 121886
SHEET: P.95 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 2/2/2026 TIME: 1:27:40 PM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 5	Cut Vol. (CY): 13
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 6	Seed Area (SY): 56



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44

Sheet Totals		
Seeding	Cut	Fill
100	20	0

CROSS SECTIONS
STA. 144+00 TO STA. 145+00

DESIGN AGENCY
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KMB

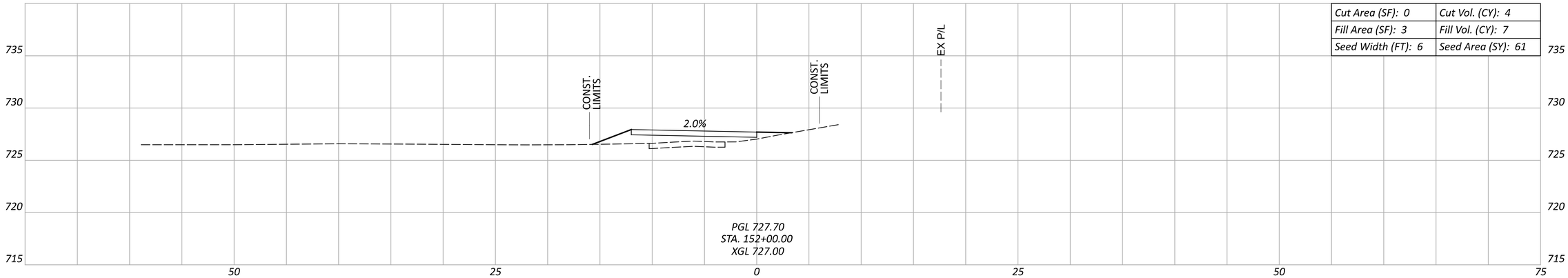
REVIEWER
GAB 2-2-26

PROJECT ID
121886

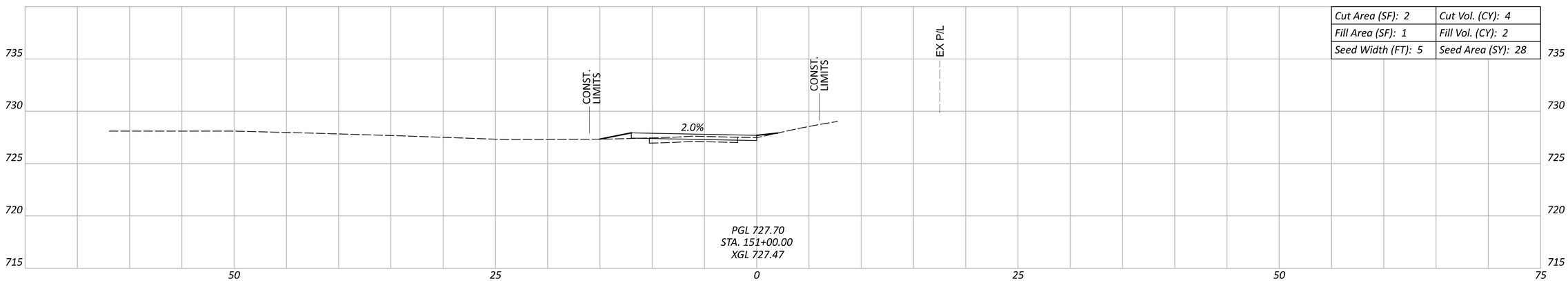
SHEET P.96 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

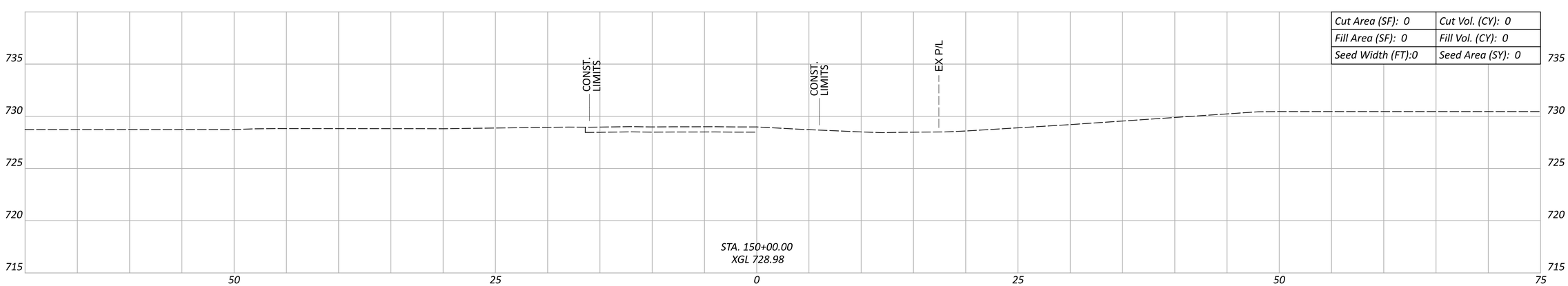
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 2/2/2026 TIME: 1:28:28 PM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 0	Cut Vol. (CY): 4
Fill Area (SF): 3	Fill Vol. (CY): 7
Seed Width (FT): 6	Seed Area (SY): 61



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 5	Seed Area (SY): 28



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

Sheet Totals		
Seeding	Cut	Fill
89	8	9

CROSS SECTIONS
STA. 150+00 TO STA. 152+00

DESIGN AGENCY
Bockrath & Associates Engineering and Surveying, LLC
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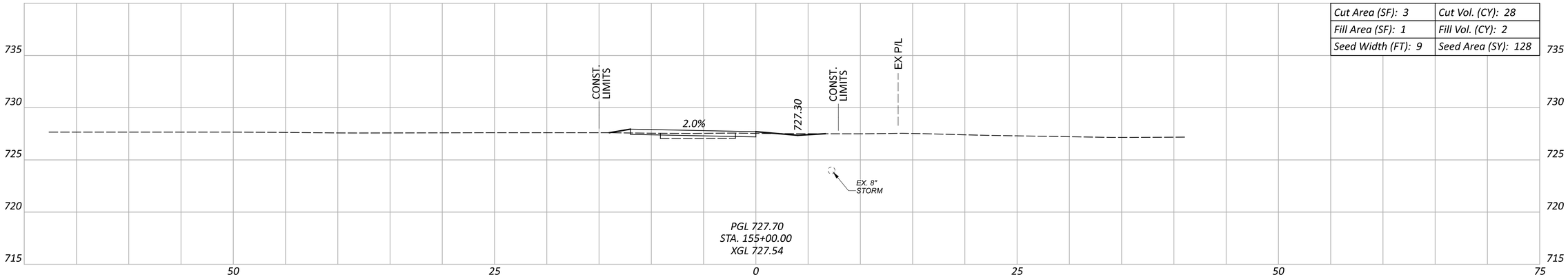
Phone: 419.523.5789

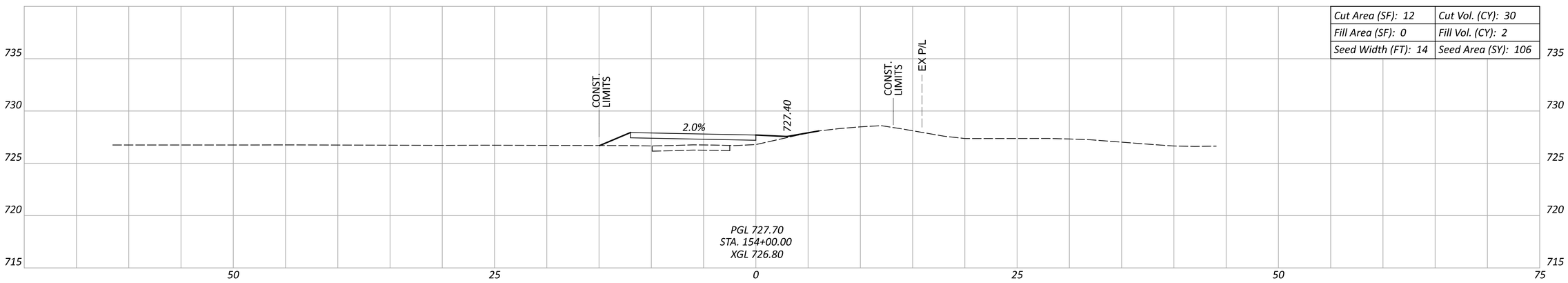
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.97 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

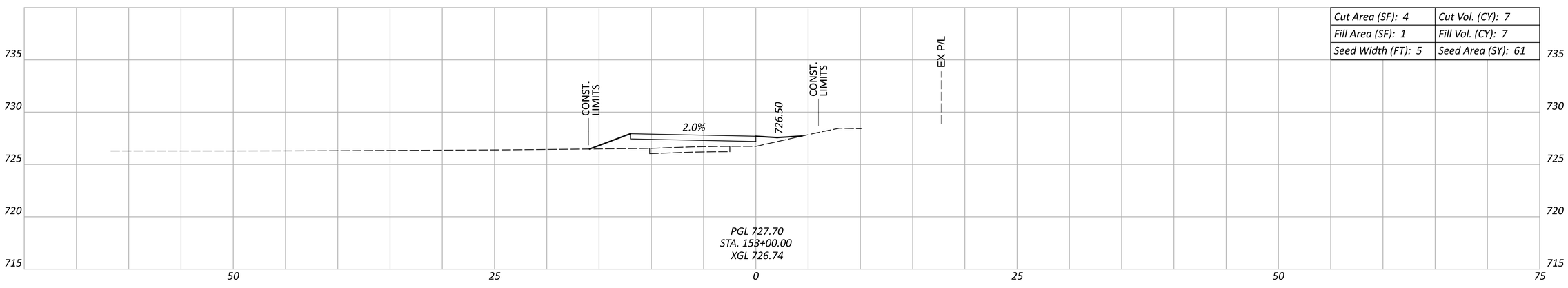
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 8:24:50 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 3	Cut Vol. (CY): 28
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 9	Seed Area (SY): 128



Cut Area (SF): 12	Cut Vol. (CY): 30
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT): 14	Seed Area (SY): 106



Cut Area (SF): 4	Cut Vol. (CY): 7
Fill Area (SF): 1	Fill Vol. (CY): 7
Seed Width (FT): 5	Seed Area (SY): 61

Sheet Totals		
Seeding	Cut	Fill
295	65	11

CROSS SECTIONS
STA. 153+00 TO STA. 155+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 2/20/2026 TIME: 8:29:56 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

DESIGN AGENCY
Bockrath & Associates
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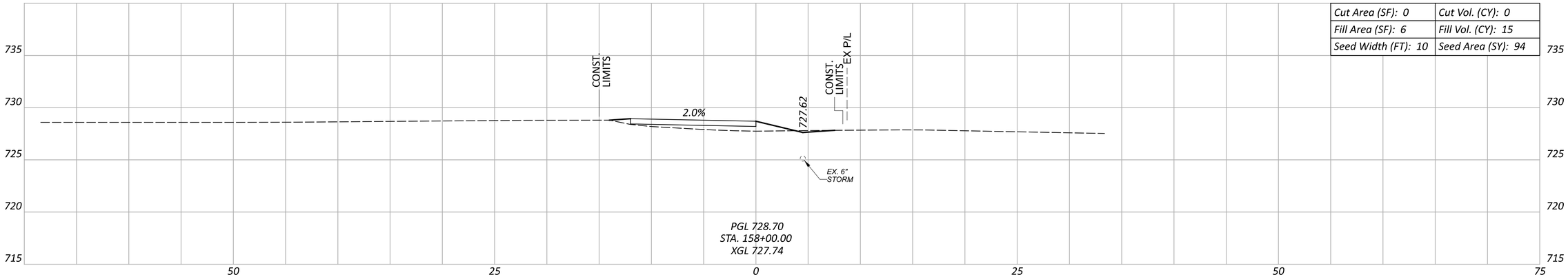
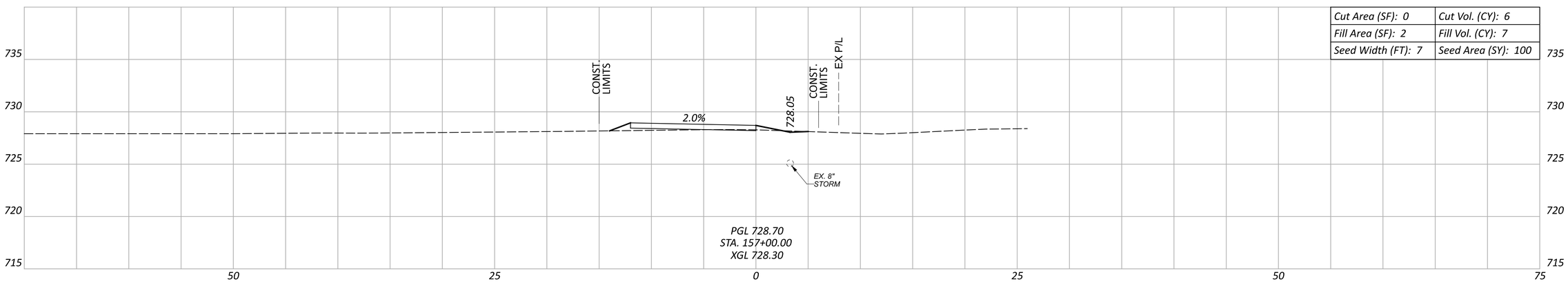
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

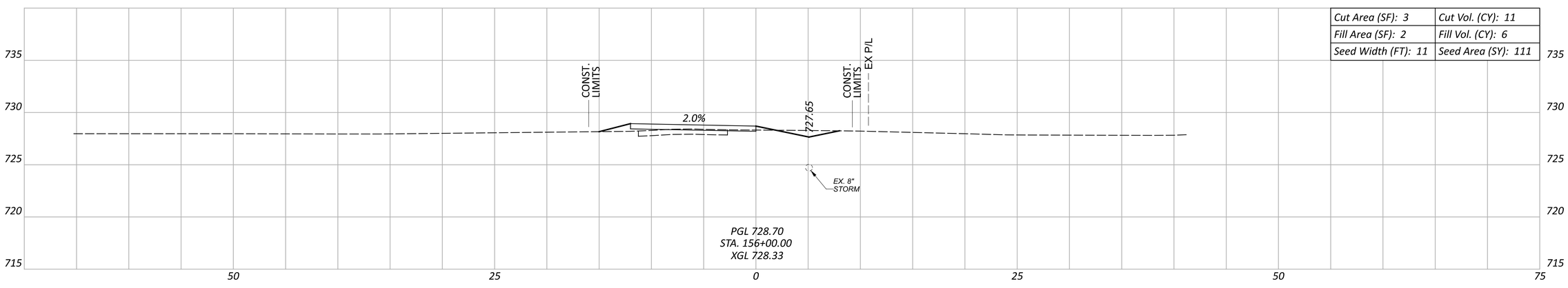
DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 6	Fill Vol. (CY): 15
Seed Width (FT): 10	Seed Area (SY): 94



Cut Area (SF): 0	Cut Vol. (CY): 6
Fill Area (SF): 2	Fill Vol. (CY): 7
Seed Width (FT): 7	Seed Area (SY): 100



Cut Area (SF): 3	Cut Vol. (CY): 11
Fill Area (SF): 2	Fill Vol. (CY): 6
Seed Width (FT): 11	Seed Area (SY): 111

Sheet Totals		
Seeding	Cut	Fill
305	17	28

CROSS SECTIONS
STA. 156+00 TO STA. 158+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:04:53 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

DESIGN AGENCY
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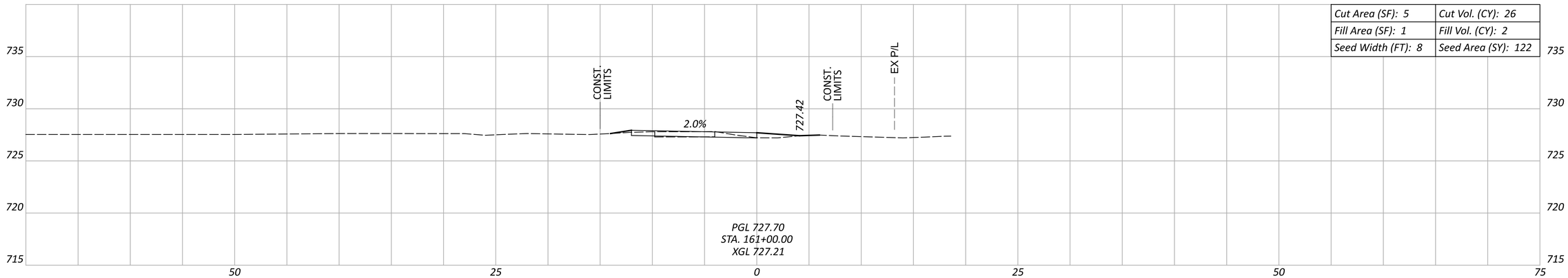
DESIGNER
KMB

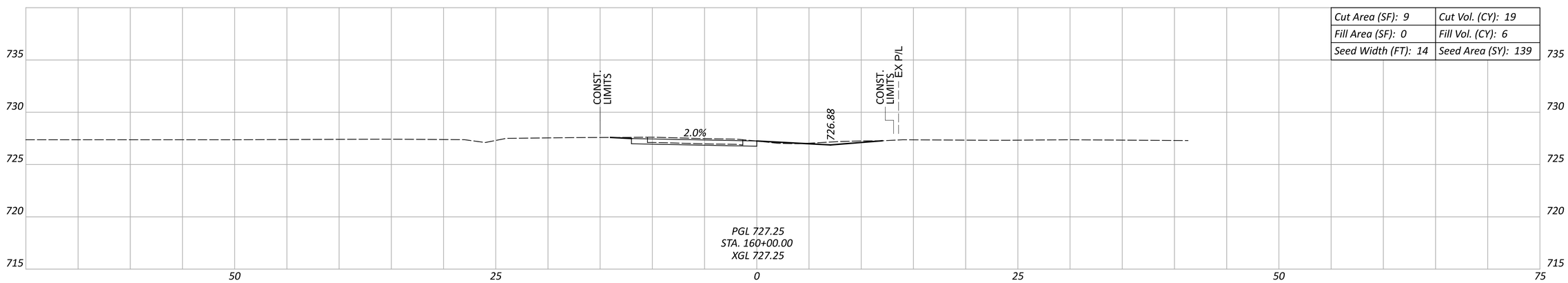
REVIEWER
GAB 12-30-25

PROJECT ID
121886

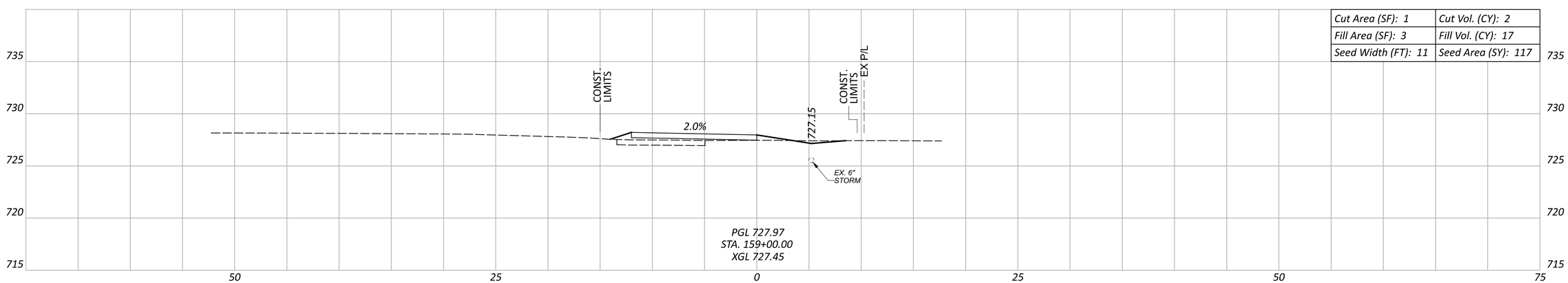
SHEET P.99 TOTAL 144



Cut Area (SF): 5	Cut Vol. (CY): 26
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 8	Seed Area (SY): 122



Cut Area (SF): 9	Cut Vol. (CY): 19
Fill Area (SF): 0	Fill Vol. (CY): 6
Seed Width (FT): 14	Seed Area (SY): 139



Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 3	Fill Vol. (CY): 17
Seed Width (FT): 11	Seed Area (SY): 117

CROSS SECTIONS
STA. 159+00 TO STA. 161+00

Sheet Totals		
Seeding	Cut	Fill
378	47	25

DESIGN AGENCY
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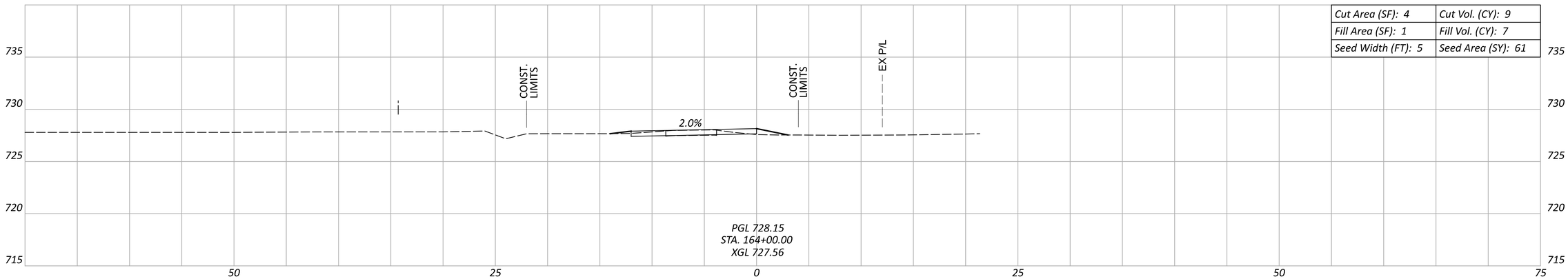
Phone: 419.523.5789

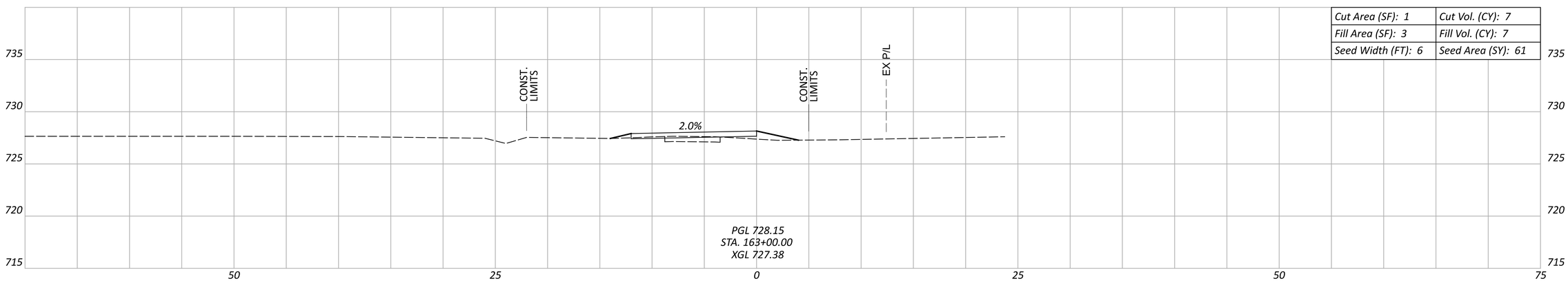
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.100 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

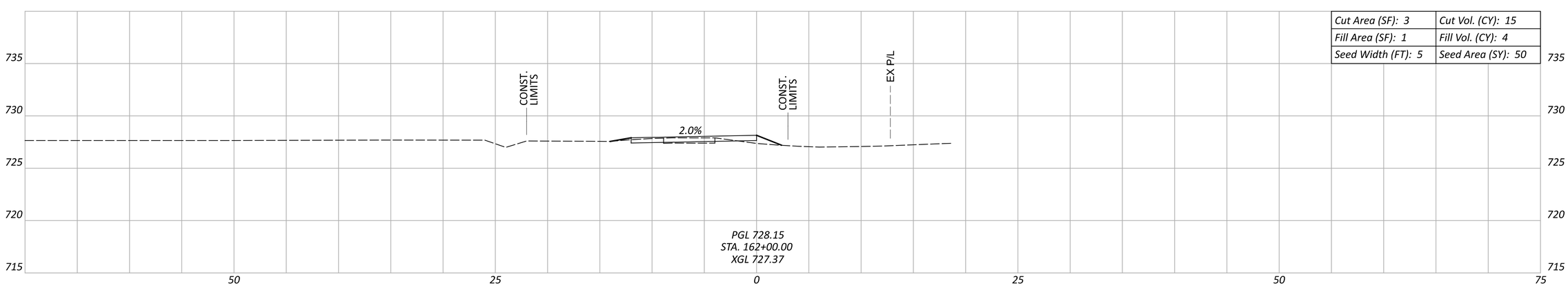
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:05:19 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 4	Cut Vol. (CY): 9
Fill Area (SF): 1	Fill Vol. (CY): 7
Seed Width (FT): 5	Seed Area (SY): 61



Cut Area (SF): 1	Cut Vol. (CY): 7
Fill Area (SF): 3	Fill Vol. (CY): 7
Seed Width (FT): 6	Seed Area (SY): 61



Cut Area (SF): 3	Cut Vol. (CY): 15
Fill Area (SF): 1	Fill Vol. (CY): 4
Seed Width (FT): 5	Seed Area (SY): 50

Sheet Totals		
Seeding	Cut	Fill
194	31	18

CROSS SECTIONS
STA. 162+00 TO STA. 164+00

DESIGN AGENCY
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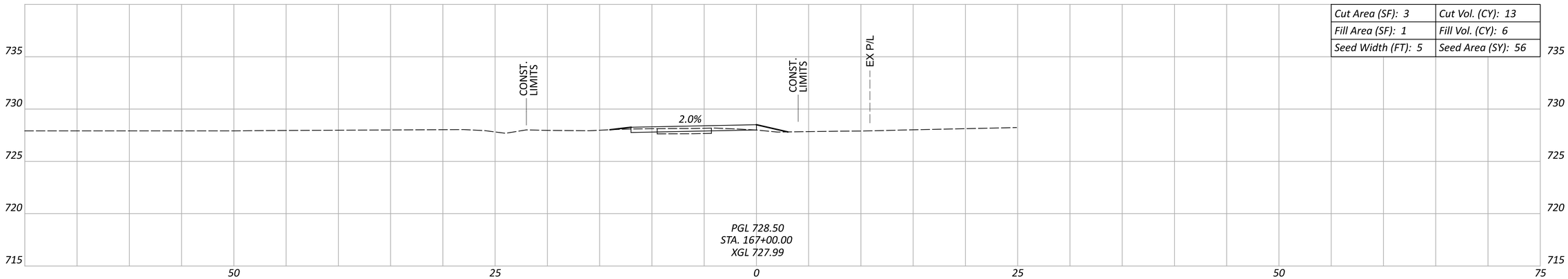
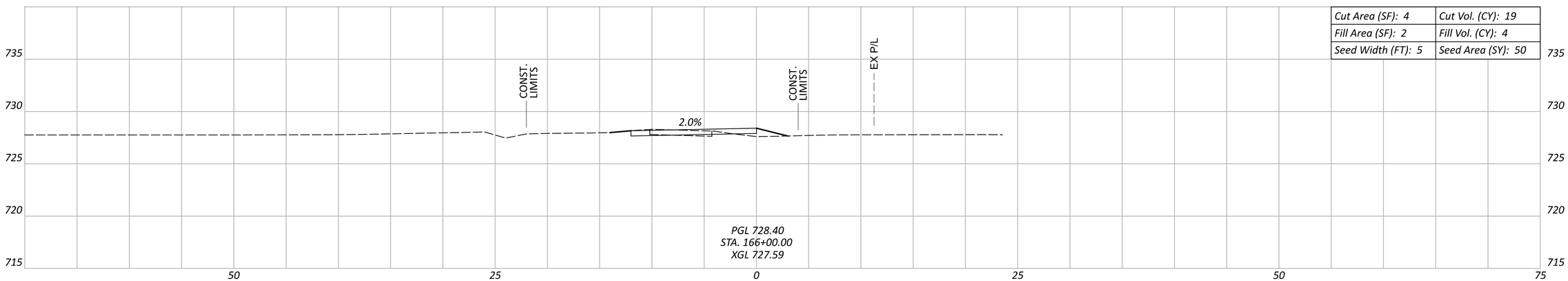
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.101 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

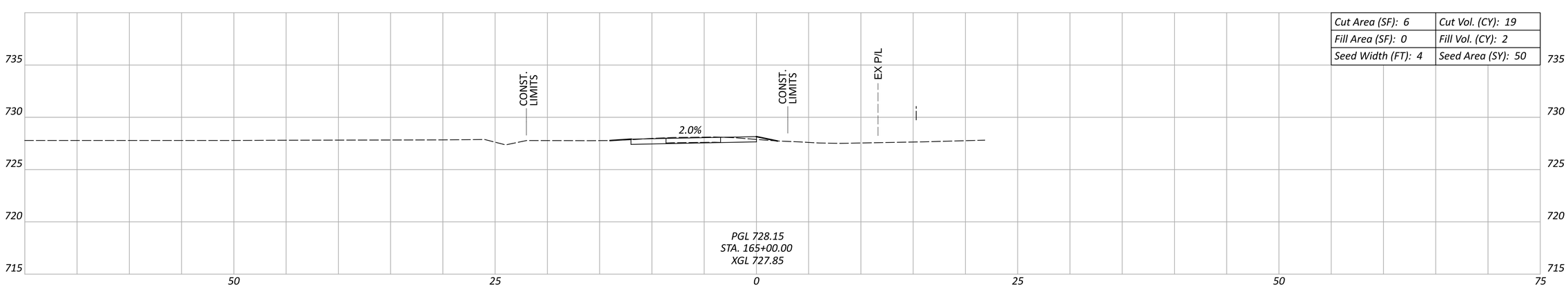
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:05:45 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 3	Cut Vol. (CY): 13
Fill Area (SF): 1	Fill Vol. (CY): 6
Seed Width (FT): 5	Seed Area (SY): 56



Cut Area (SF): 4	Cut Vol. (CY): 19
Fill Area (SF): 2	Fill Vol. (CY): 4
Seed Width (FT): 5	Seed Area (SY): 50



Cut Area (SF): 6	Cut Vol. (CY): 19
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT): 4	Seed Area (SY): 50

Sheet Totals		
Seeding	Cut	Fill
156	51	12

CROSS SECTIONS
STA. 165+00 TO STA. 167+00

DESIGN AGENCY
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DESIGNER
KMB

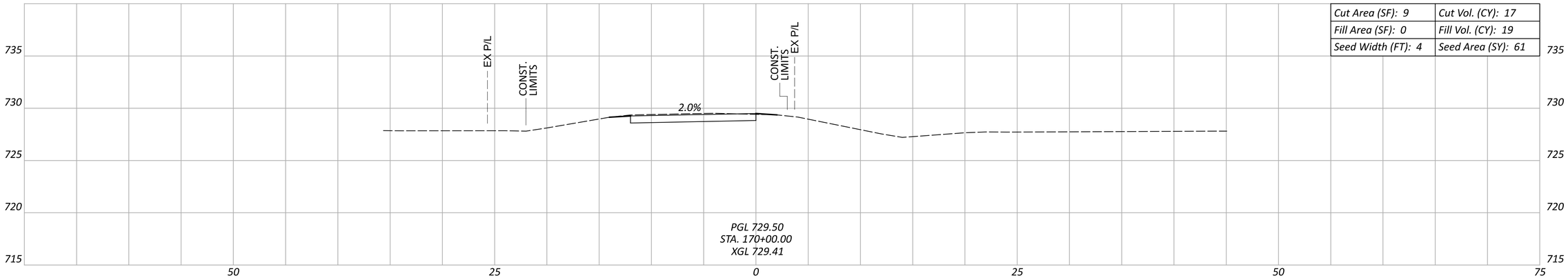
REVIEWER
GAB 12-30-25

PROJECT ID
121886

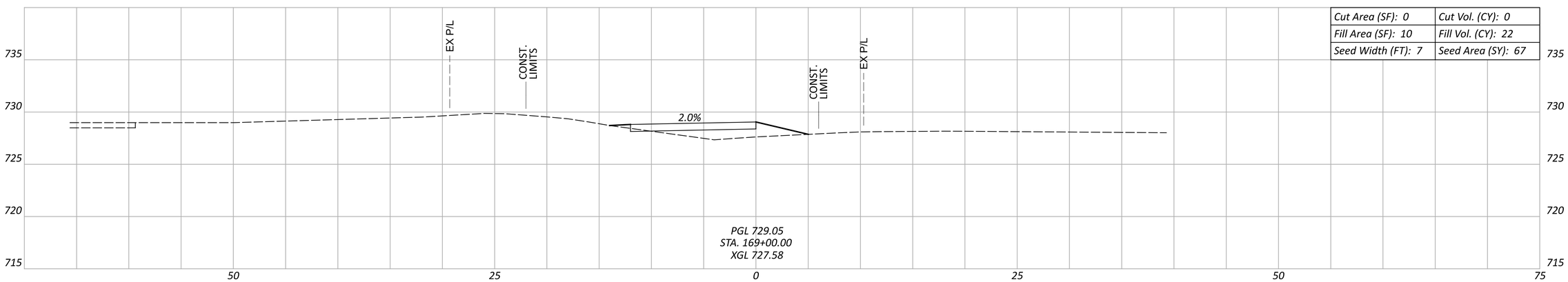
SHEET P.102 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

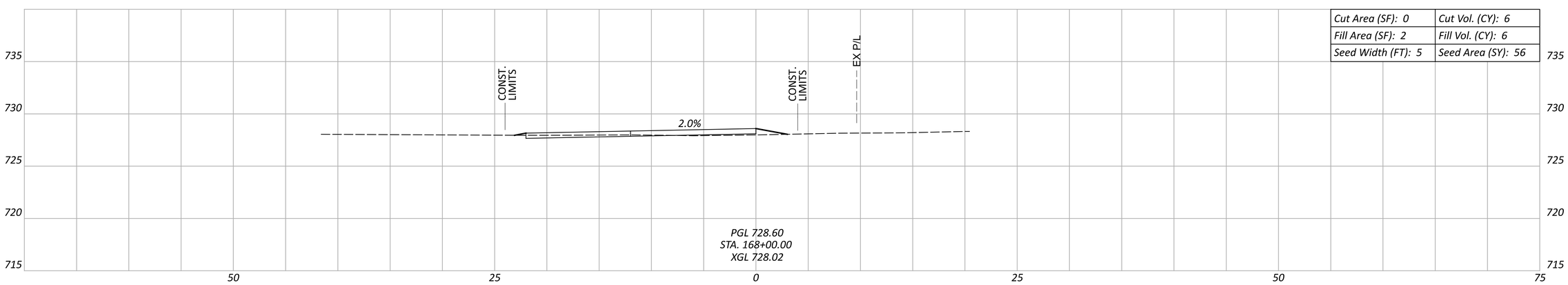
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:06:11 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 9	Cut Vol. (CY): 17
Fill Area (SF): 0	Fill Vol. (CY): 19
Seed Width (FT): 4	Seed Area (SY): 61



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 10	Fill Vol. (CY): 22
Seed Width (FT): 7	Seed Area (SY): 67



Cut Area (SF): 0	Cut Vol. (CY): 6
Fill Area (SF): 2	Fill Vol. (CY): 6
Seed Width (FT): 5	Seed Area (SY): 56

Sheet Totals		
Seeding	Cut	Fill
184	23	47

CROSS SECTIONS
STA. 168+00 TO STA. 170+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:06:35 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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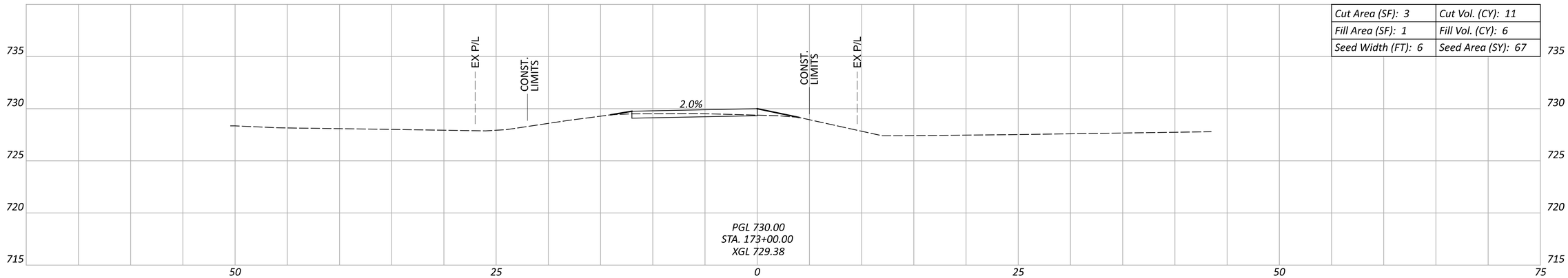
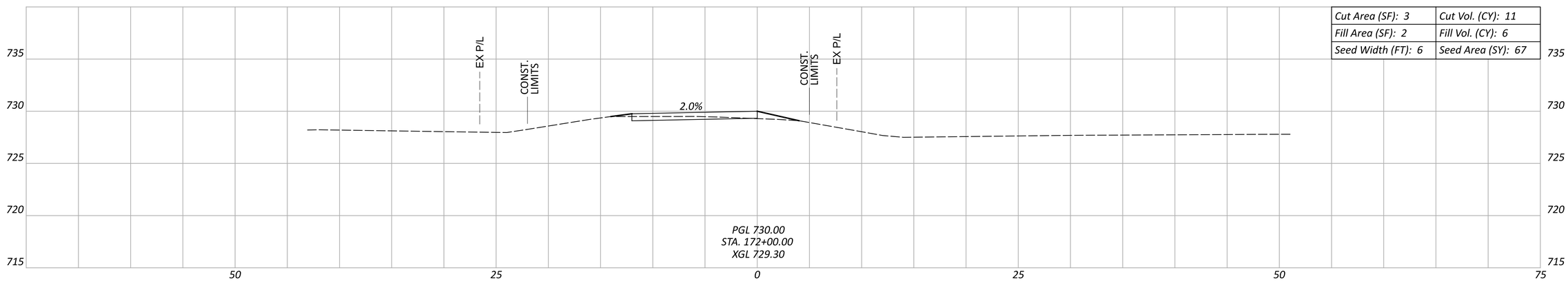
DESIGNER
KMB

REVIEWER
GAB 12-30-25

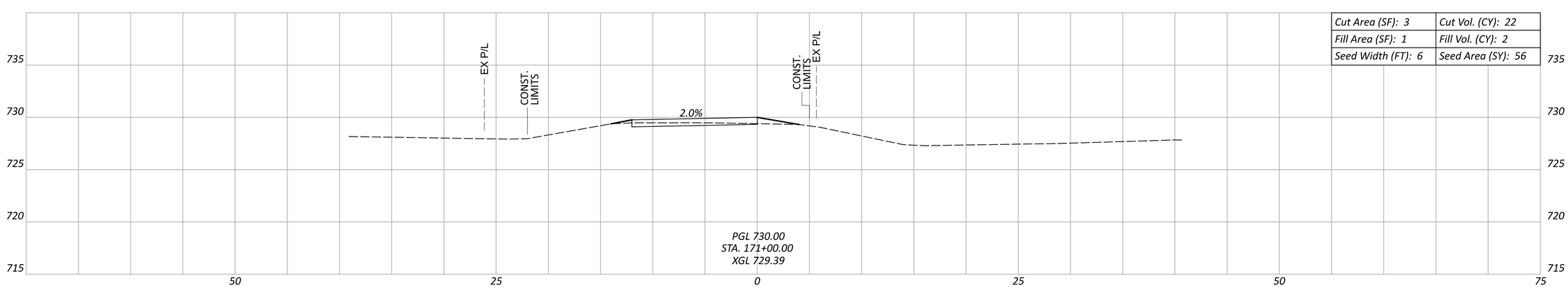
PROJECT ID
121886



Cut Area (SF): 3	Cut Vol. (CY): 11
Fill Area (SF): 1	Fill Vol. (CY): 6
Seed Width (FT): 6	Seed Area (SY): 67



Cut Area (SF): 3	Cut Vol. (CY): 11
Fill Area (SF): 2	Fill Vol. (CY): 6
Seed Width (FT): 6	Seed Area (SY): 67



Cut Area (SF): 3	Cut Vol. (CY): 22
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 6	Seed Area (SY): 56

Sheet Totals		
Seeding	Cut	Fill
190	44	14

CROSS SECTIONS
STA. 171+00 TO STA. 173+00

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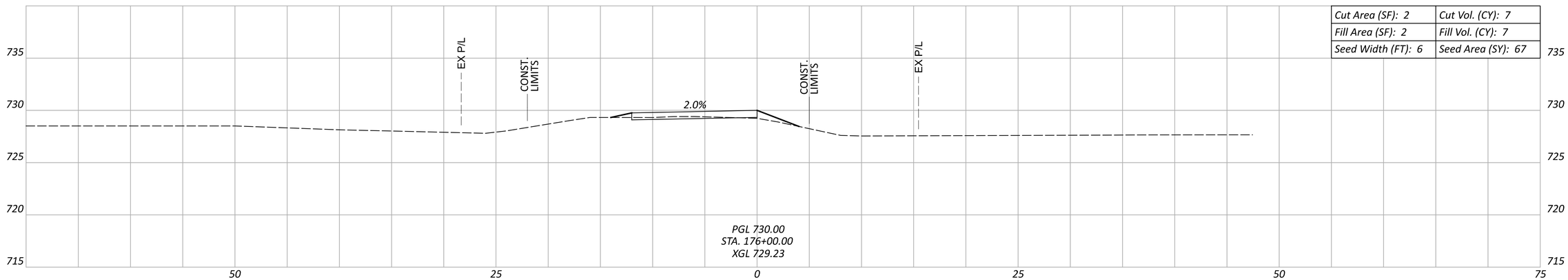
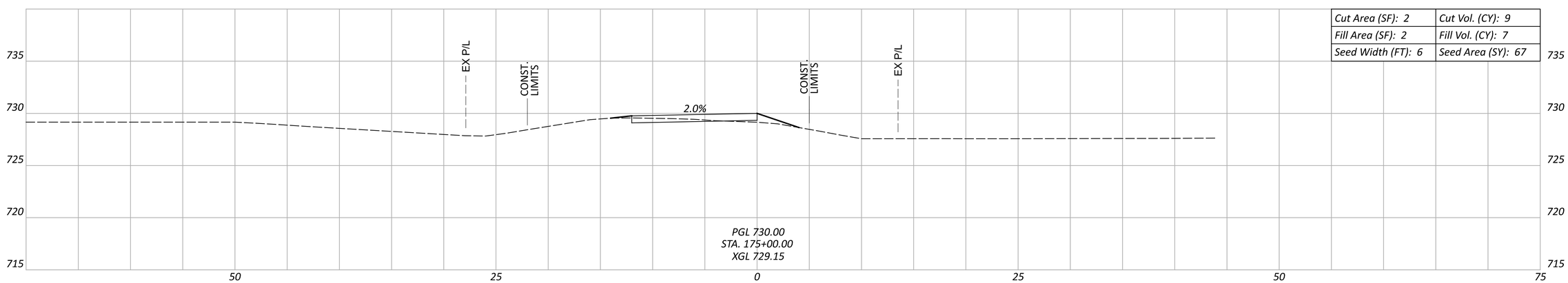
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.104 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

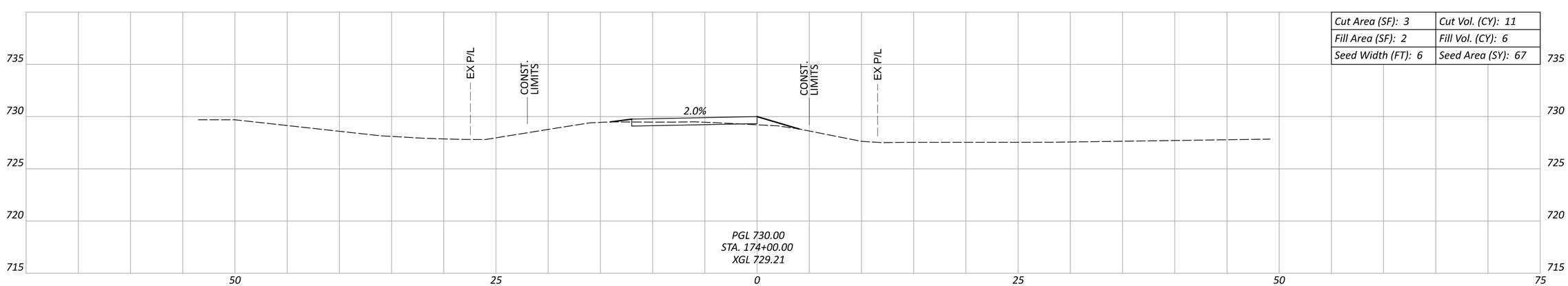
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:06:59 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 2	Cut Vol. (CY): 7
Fill Area (SF): 2	Fill Vol. (CY): 7
Seed Width (FT): 6	Seed Area (SY): 67



Cut Area (SF): 2	Cut Vol. (CY): 9
Fill Area (SF): 2	Fill Vol. (CY): 7
Seed Width (FT): 6	Seed Area (SY): 67



Cut Area (SF): 3	Cut Vol. (CY): 11
Fill Area (SF): 2	Fill Vol. (CY): 6
Seed Width (FT): 6	Seed Area (SY): 67

CROSS SECTIONS
STA. 174+00 TO STA. 176+00

Sheet Totals		
Seeding	Cut	Fill
201	27	20

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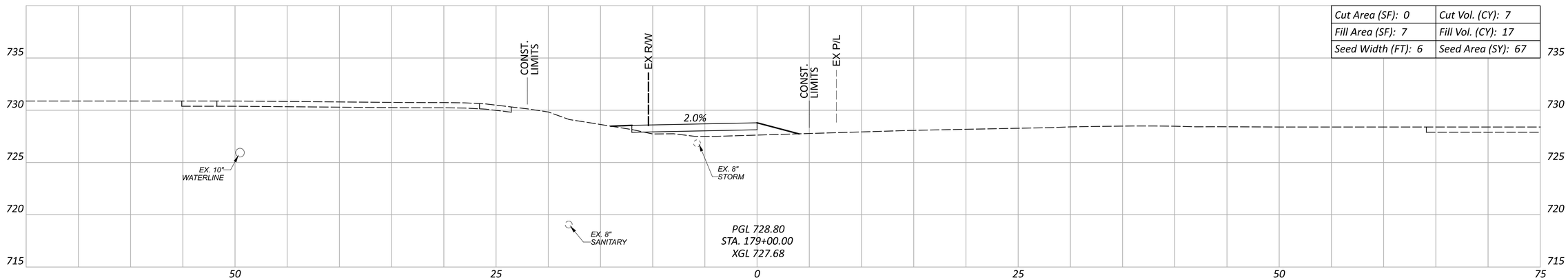
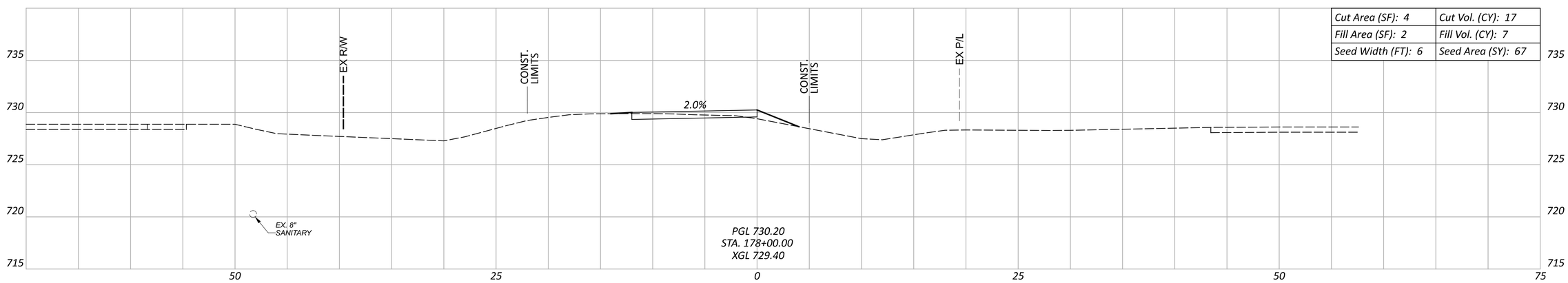
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.105 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

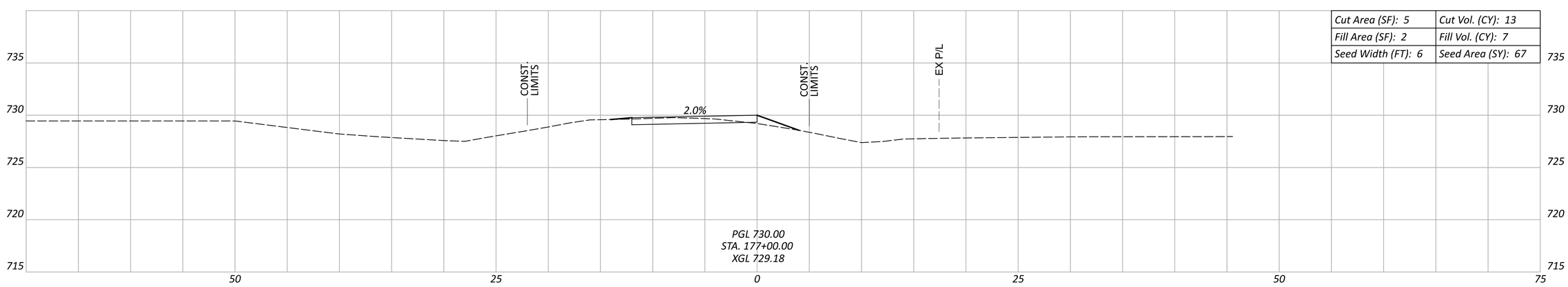
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:07:26 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 0	Cut Vol. (CY): 7
Fill Area (SF): 7	Fill Vol. (CY): 17
Seed Width (FT): 6	Seed Area (SY): 67



Cut Area (SF): 4	Cut Vol. (CY): 17
Fill Area (SF): 2	Fill Vol. (CY): 7
Seed Width (FT): 6	Seed Area (SY): 67



Cut Area (SF): 5	Cut Vol. (CY): 13
Fill Area (SF): 2	Fill Vol. (CY): 7
Seed Width (FT): 6	Seed Area (SY): 67

Sheet Totals		
Seeding	Cut	Fill
201	37	33

CROSS SECTIONS
STA. 177+00 TO STA. 179+00

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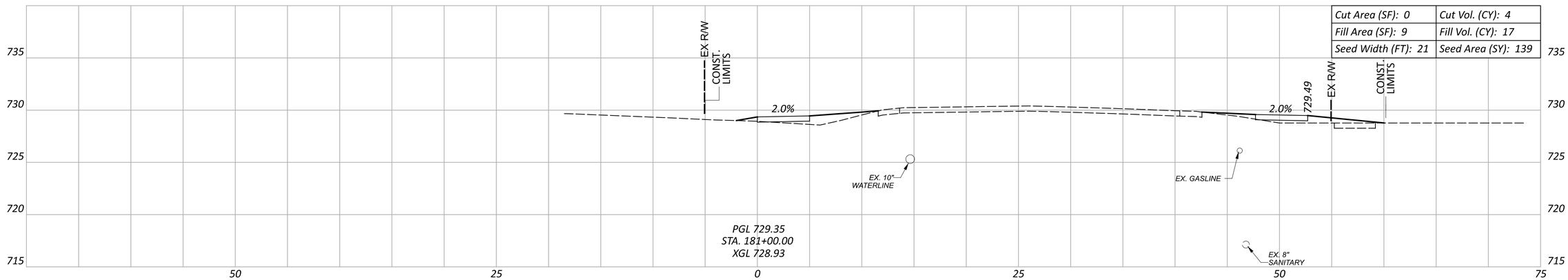
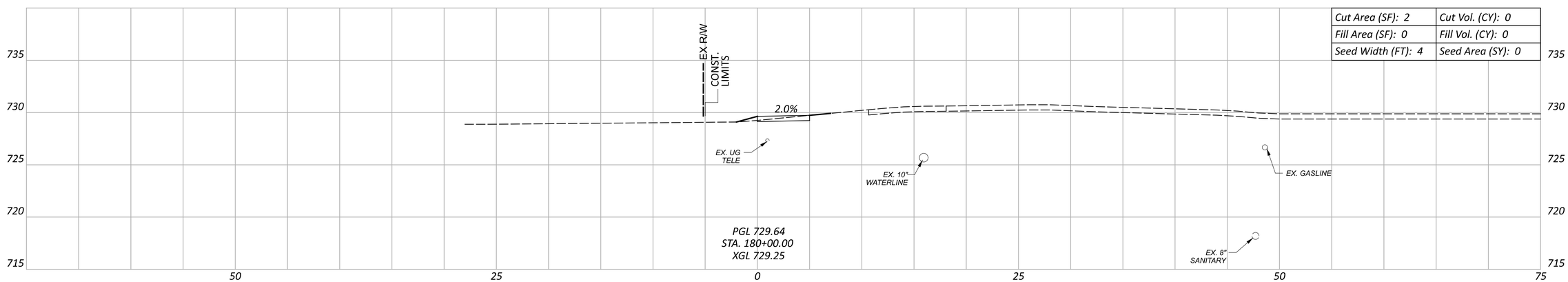
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.106 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

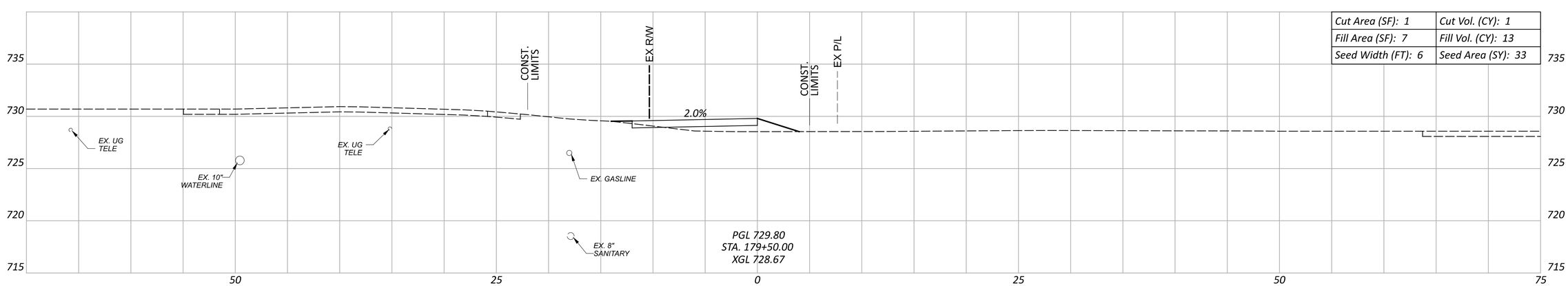
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:07:53 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 0	Cut Vol. (CY): 4
Fill Area (SF): 9	Fill Vol. (CY): 17
Seed Width (FT): 21	Seed Area (SY): 139



Cut Area (SF): 2	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 0



Cut Area (SF): 1	Cut Vol. (CY): 1
Fill Area (SF): 7	Fill Vol. (CY): 13
Seed Width (FT): 6	Seed Area (SY): 33

Sheet Totals		
Seeding	Cut	Fill
172	5	30

CROSS SECTIONS
STA. 179+50 TO STA. 181+00

DESIGN AGENCY
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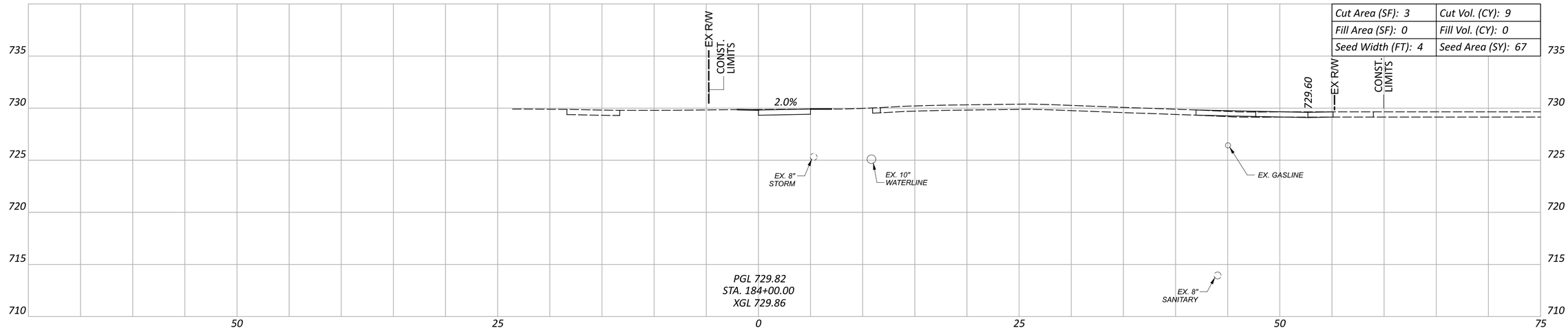
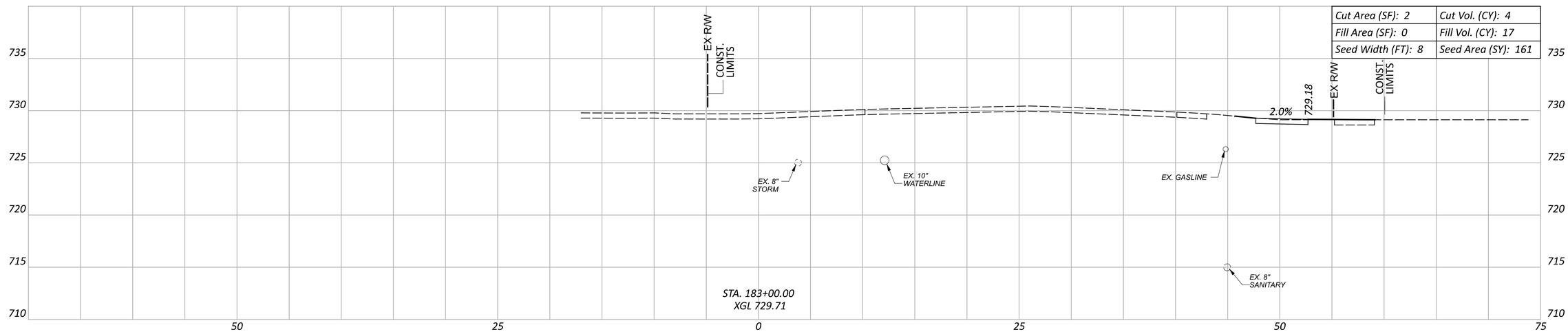
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.107 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

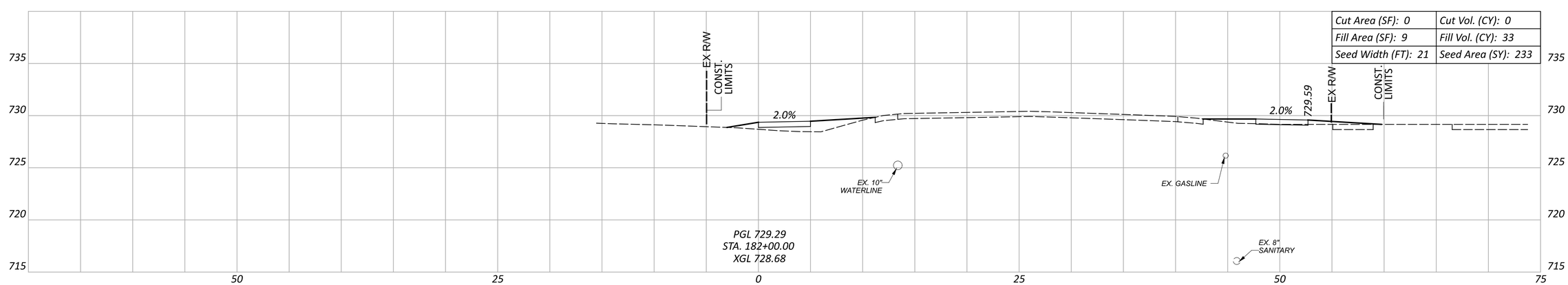
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:08:17 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 3	Cut Vol. (CY): 9
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 67



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 0	Fill Vol. (CY): 17
Seed Width (FT): 8	Seed Area (SY): 161



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 9	Fill Vol. (CY): 33
Seed Width (FT): 21	Seed Area (SY): 233

Sheet Totals		
Seeding	Cut	Fill
461	13	50

CROSS SECTIONS
STA. 182+00 TO STA. 184+00

DESIGN AGENCY
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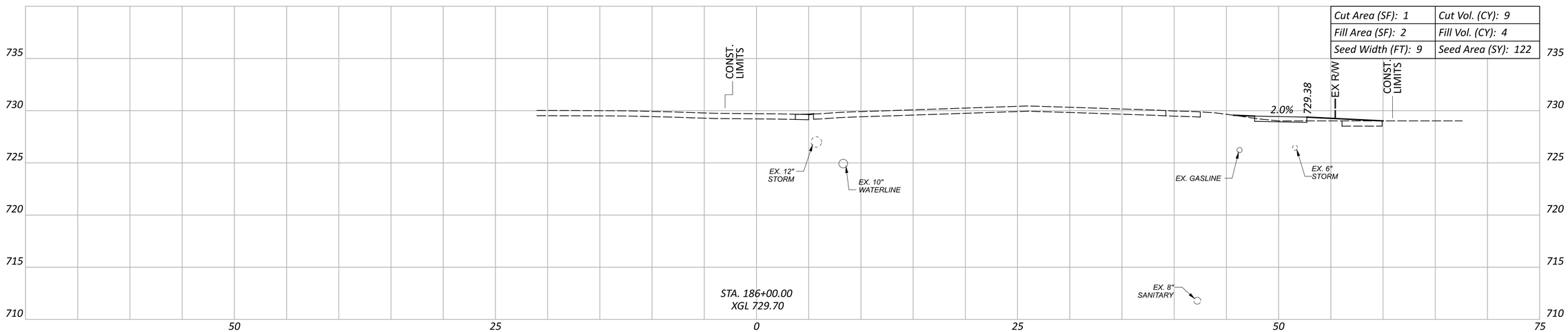
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.108 TOTAL: 144

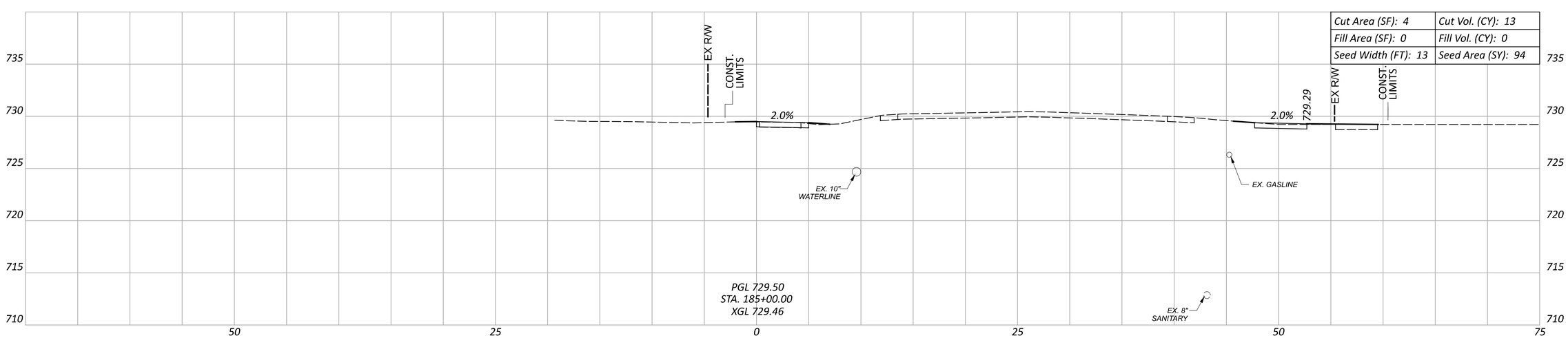
PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:08:43 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

CROSS SECTIONS
STA. 185+00 TO STA. 186+00



Cut Area (SF): 1	Cut Vol. (CY): 9
Fill Area (SF): 2	Fill Vol. (CY): 4
Seed Width (FT): 9	Seed Area (SY): 122



Cut Area (SF): 4	Cut Vol. (CY): 13
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 13	Seed Area (SY): 94

Sheet Totals		
Seeding	Cut	Fill
213	22	4

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:09:09 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

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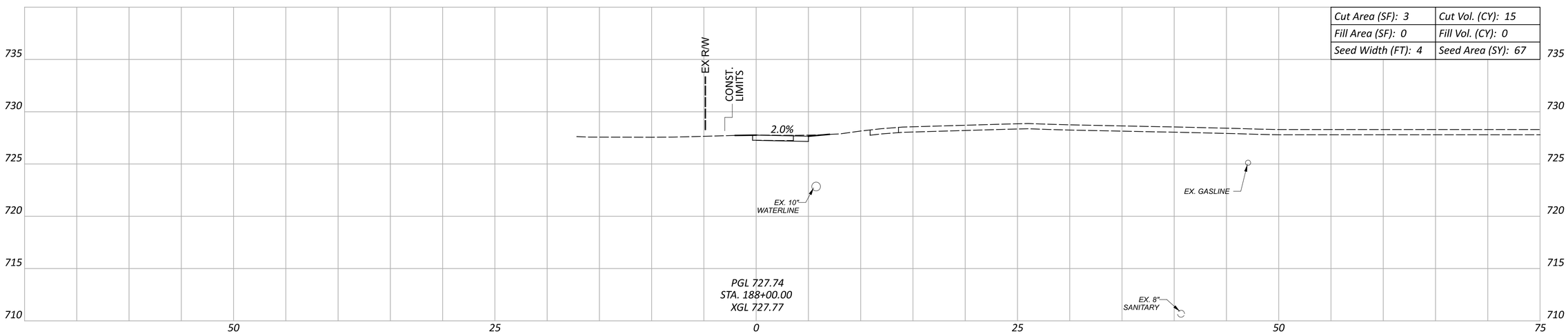
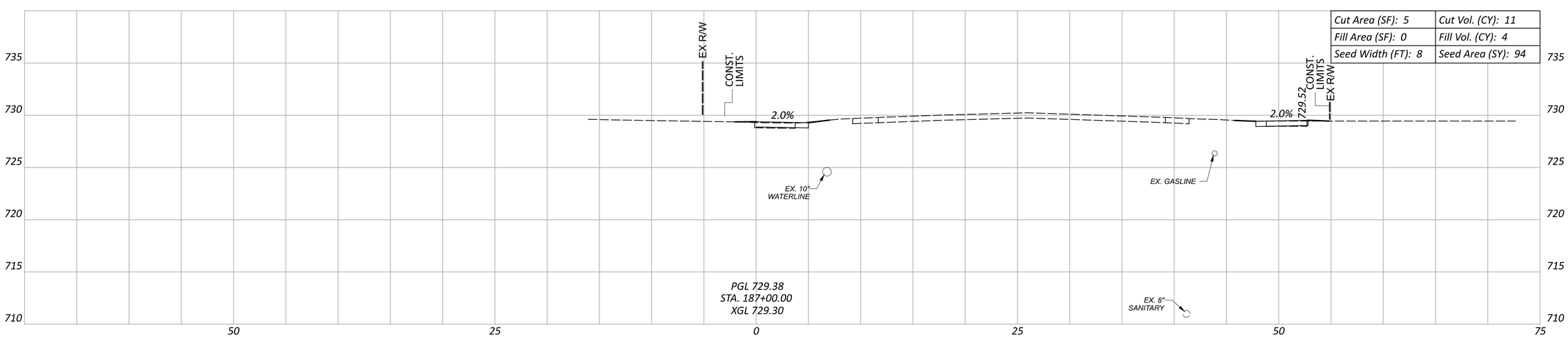
PROJECT ID: 121886



Cut Area (SF): 3	Cut Vol. (CY): 15
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 67



Cut Area (SF): 5	Cut Vol. (CY): 11
Fill Area (SF): 0	Fill Vol. (CY): 4
Seed Width (FT): 8	Seed Area (SY): 94

Sheet Totals		
Seeding	Cut	Fill
161	26	4

CROSS SECTIONS
STA. 187+00 TO STA. 188+00

DESIGN AGENCY
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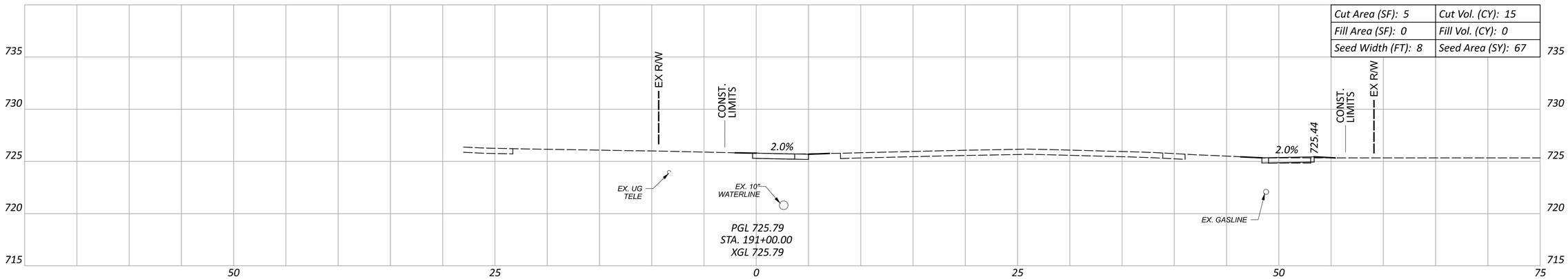
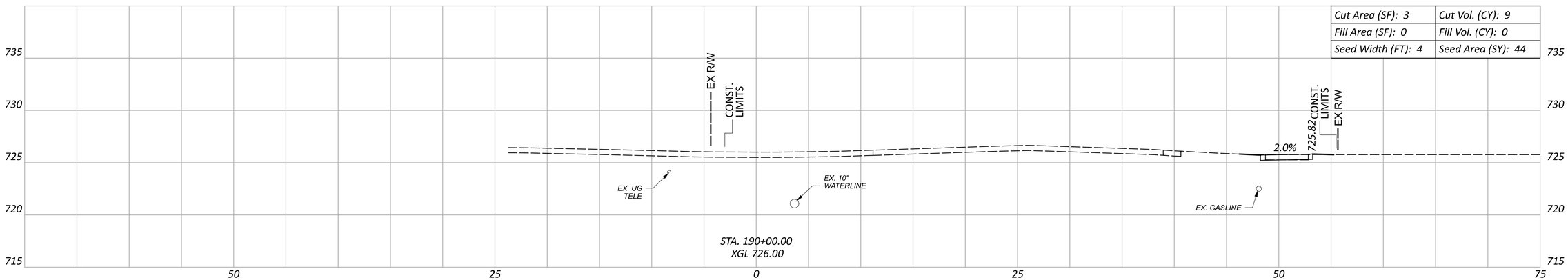
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.110 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

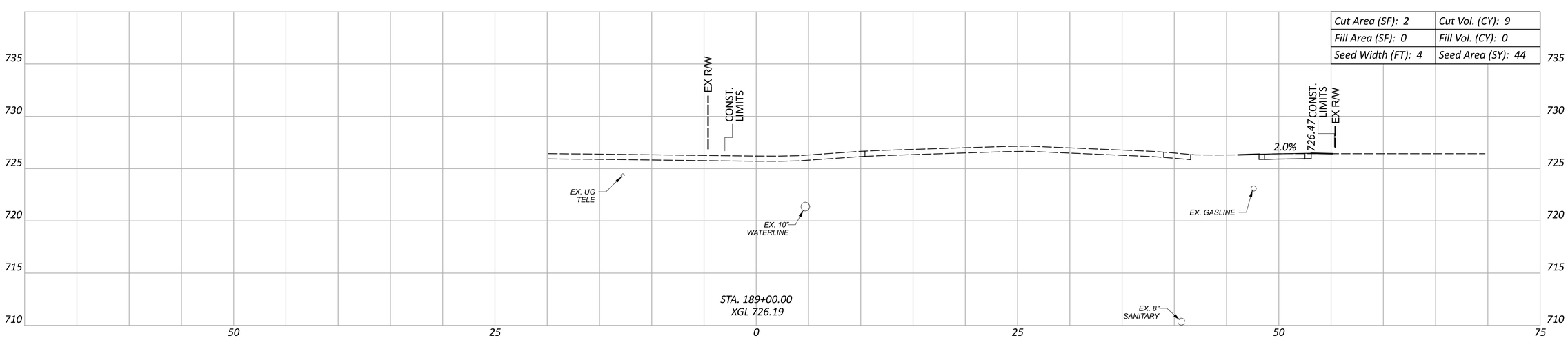
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:09:34 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 5	Cut Vol. (CY): 15
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 8	Seed Area (SY): 67



Cut Area (SF): 3	Cut Vol. (CY): 9
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 2	Cut Vol. (CY): 9
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 44

Sheet Totals		
Seeding	Cut	Fill
155	33	0

CROSS SECTIONS
STA. 189+00 TO STA. 191+00

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:10:00 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

DESIGN AGENCY
Bockrath & Associates
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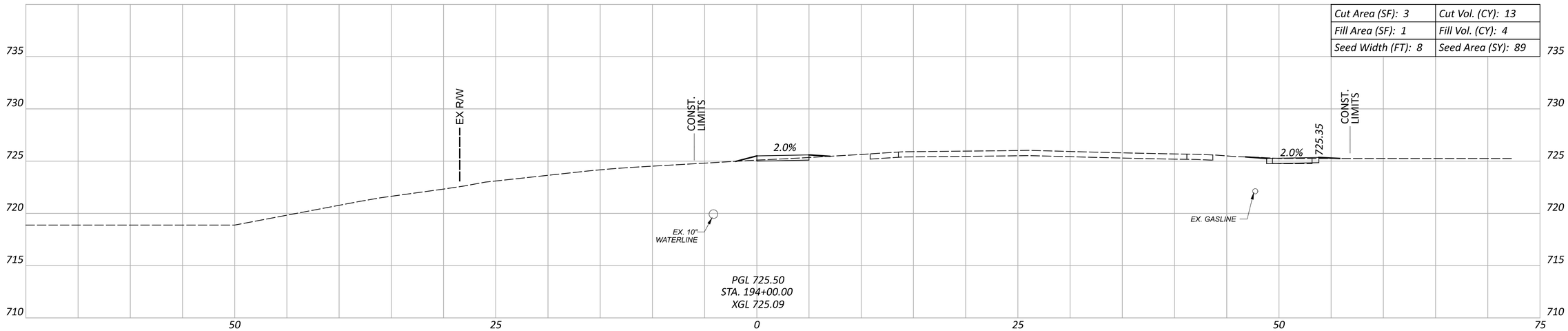
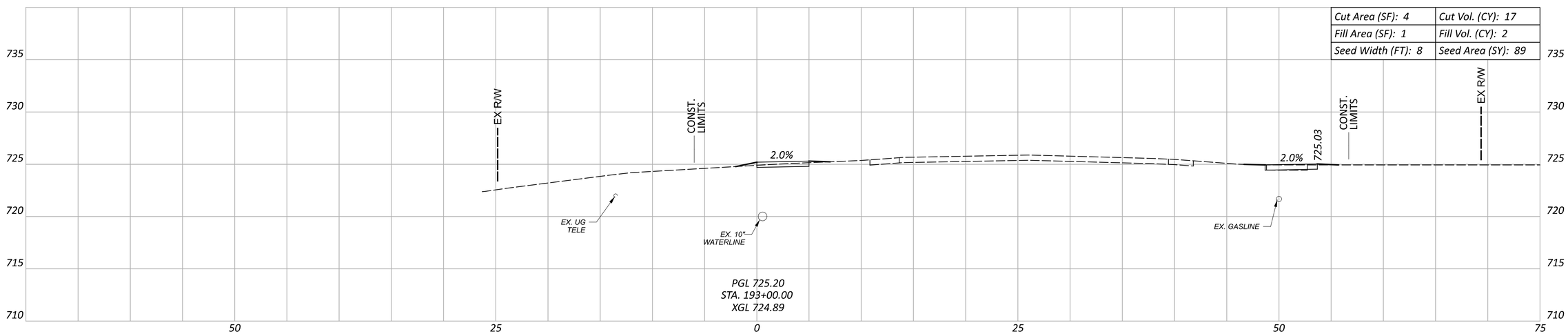
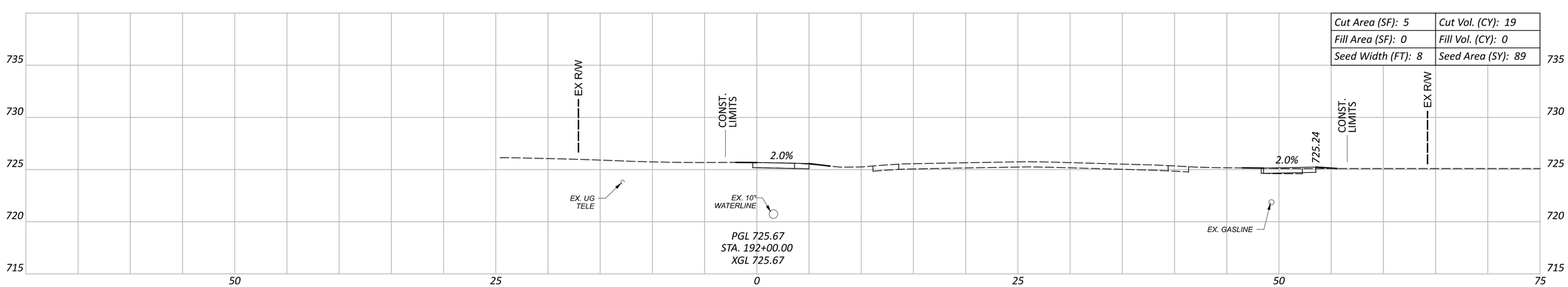
Phone: 419.523.5789

DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886







Sheet Totals		
Seeding	Cut	Fill
267	49	6

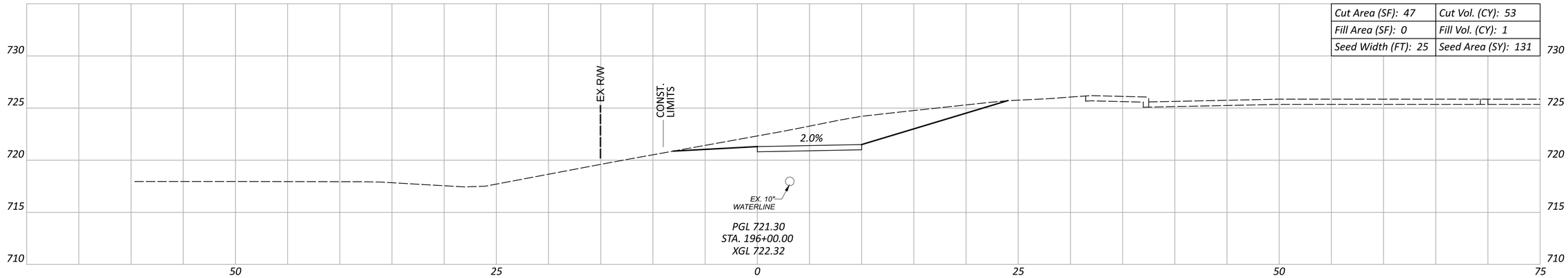
CROSS SECTIONS
STA. 192+00 TO STA. 194+00

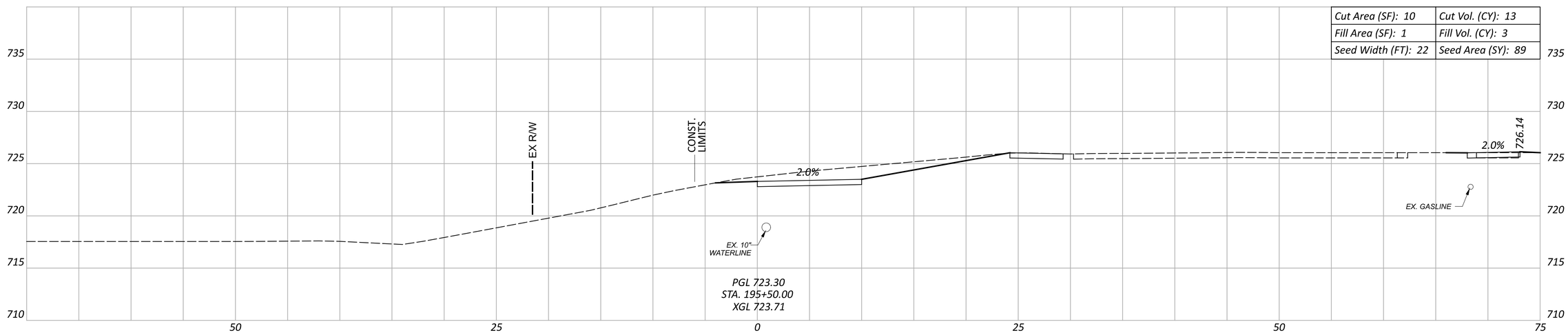
DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

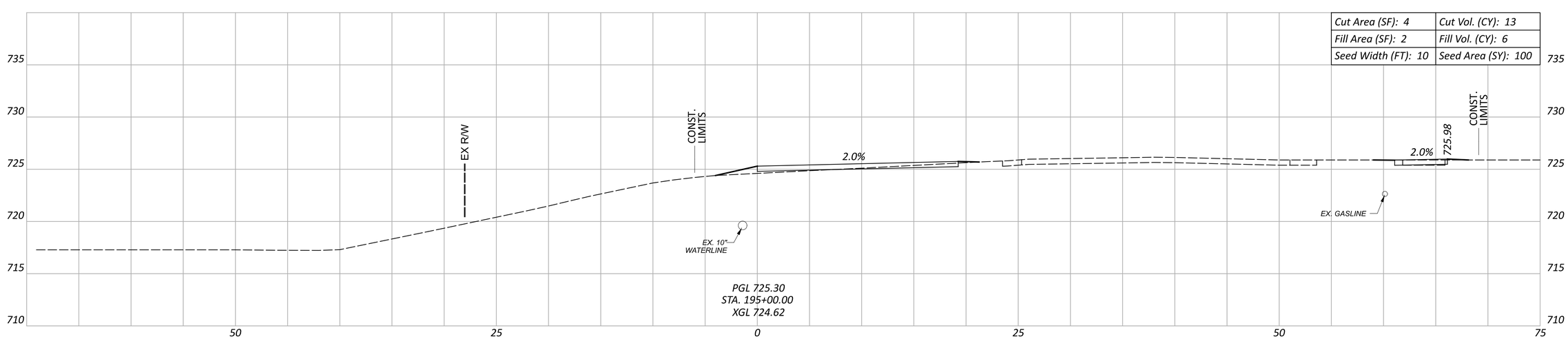
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.112 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:10:24 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn







Sheet Totals		
Seeding	Cut	Fill
320	79	10

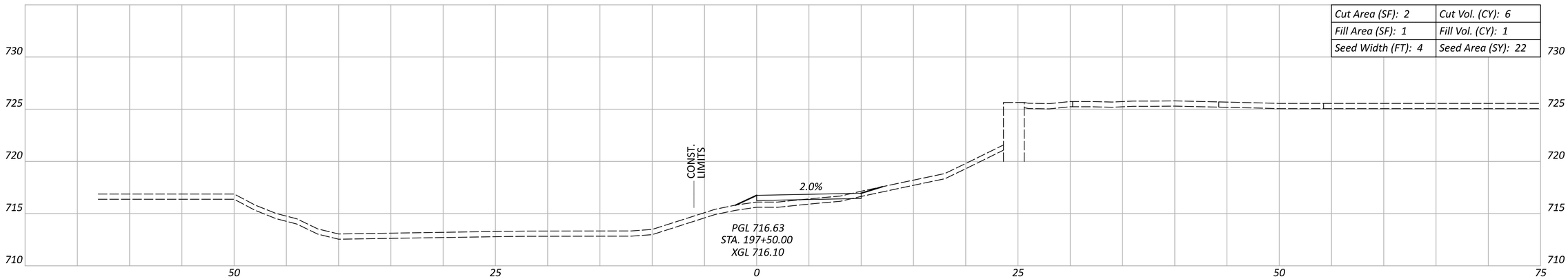
CROSS SECTIONS
STA. 195+00 TO STA. 196+00

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

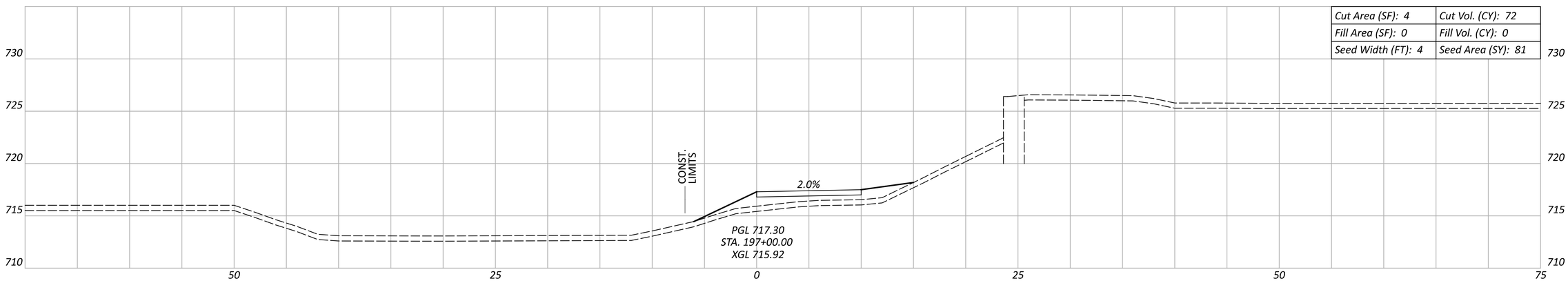
DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.113 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

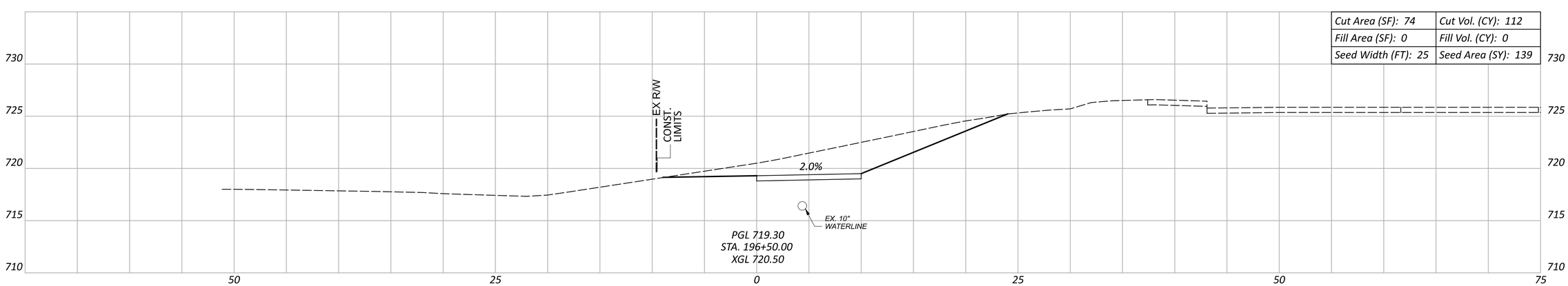
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:10:53 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn



Cut Area (SF): 2	Cut Vol. (CY): 6
Fill Area (SF): 1	Fill Vol. (CY): 1
Seed Width (FT): 4	Seed Area (SY): 22



Cut Area (SF): 4	Cut Vol. (CY): 72
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 81



Cut Area (SF): 74	Cut Vol. (CY): 112
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 25	Seed Area (SY): 139

Sheet Totals		
Seeding	Cut	Fill
242	190	1

CROSS SECTIONS
STA. 196+50 TO STA. 197+50

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:11:19 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

DESIGN AGENCY
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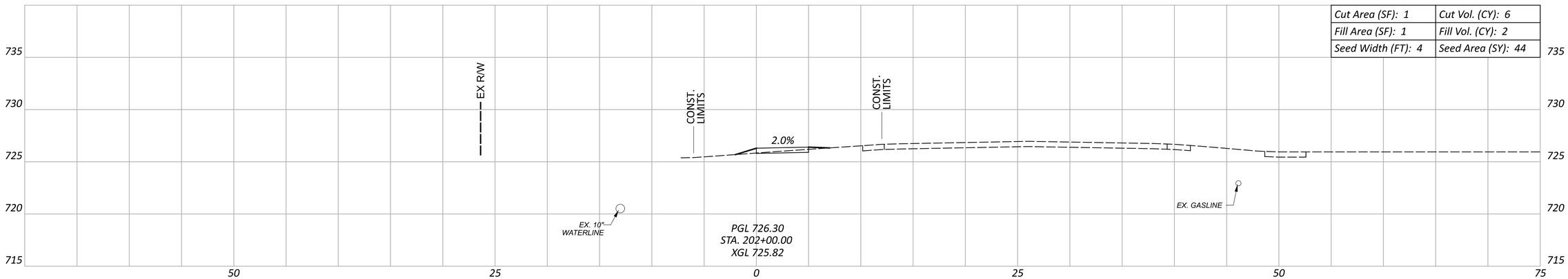
Phone: 419.523.5789

DESIGNER
KMB

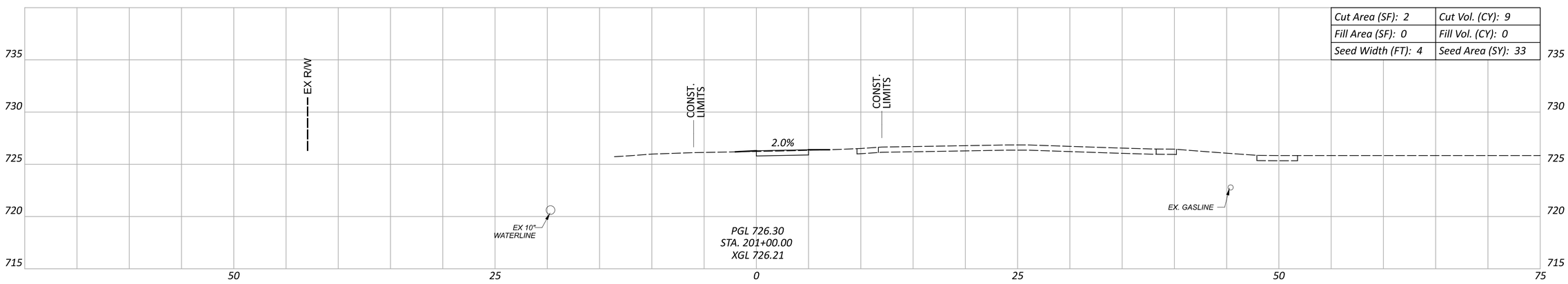
REVIEWER
GAB 12-30-25

PROJECT ID
121886

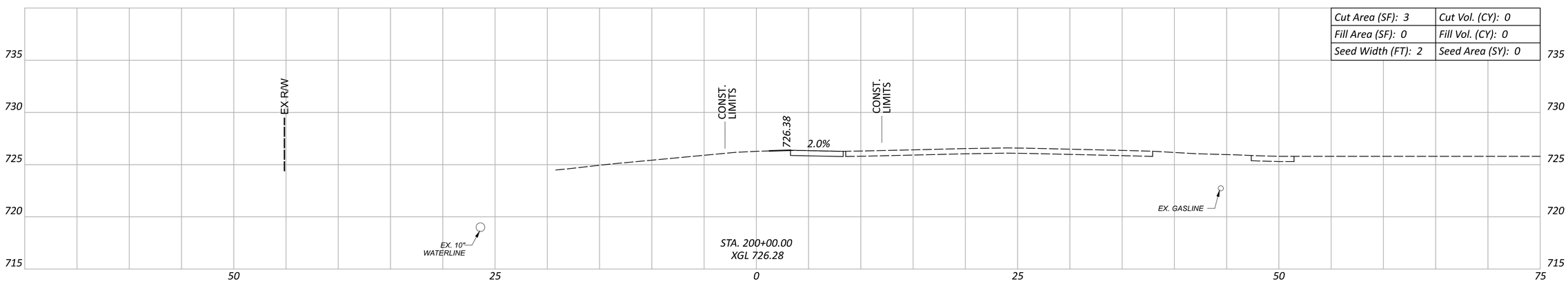
SHEET P.114 TOTAL 144



Cut Area (SF): 1	Cut Vol. (CY): 6
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 4	Seed Area (SY): 44



Cut Area (SF): 2	Cut Vol. (CY): 9
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 4	Seed Area (SY): 33



Cut Area (SF): 3	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 2	Seed Area (SY): 0

Sheet Totals		
Seeding	Cut	Fill
77	15	2

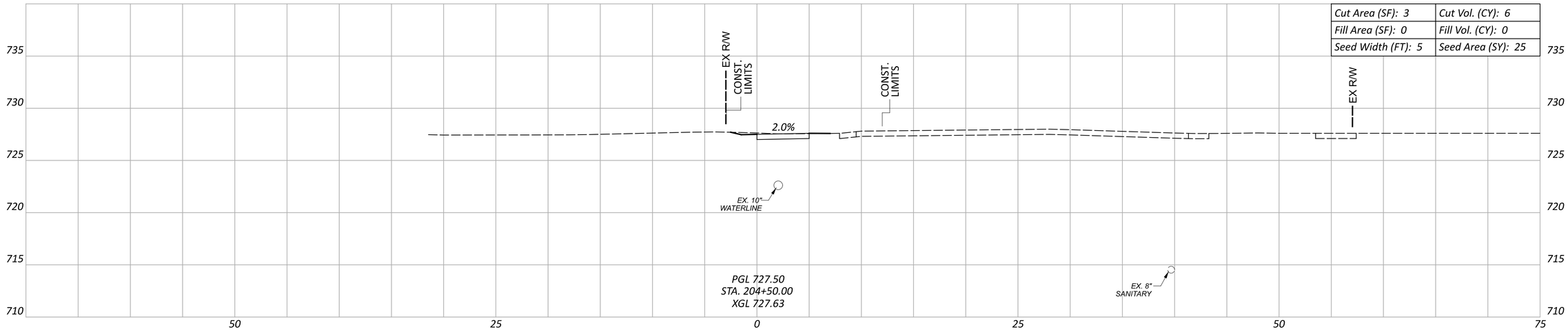
CROSS SECTIONS
STA. 200+00 TO STA. 202+00

PUT-KALIDA PEDESTRIAN LOOP

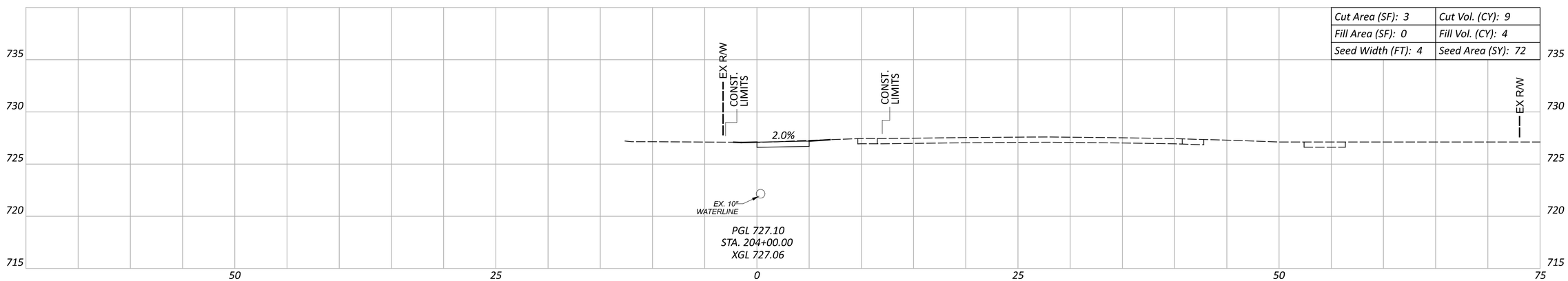
MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:11:47 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

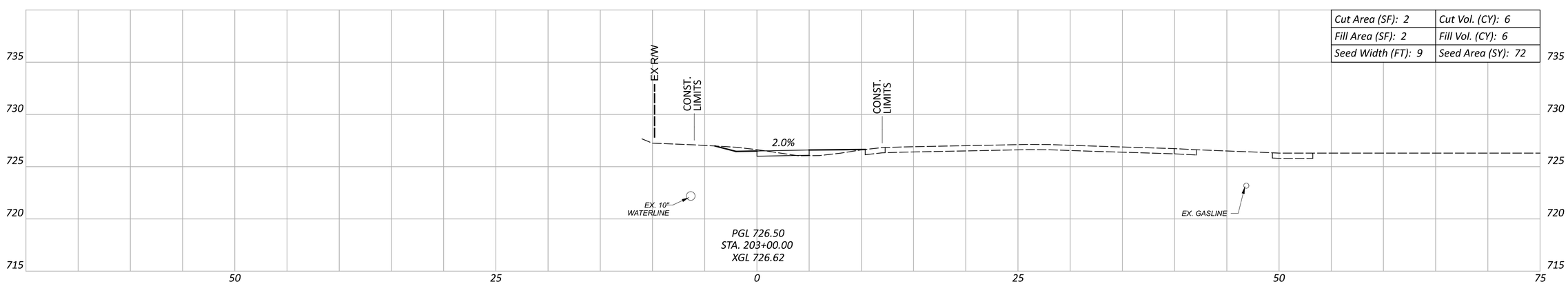
DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886



Cut Area (SF): 3	Cut Vol. (CY): 6
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 5	Seed Area (SY): 25



Cut Area (SF): 3	Cut Vol. (CY): 9
Fill Area (SF): 0	Fill Vol. (CY): 4
Seed Width (FT): 4	Seed Area (SY): 72



Cut Area (SF): 2	Cut Vol. (CY): 6
Fill Area (SF): 2	Fill Vol. (CY): 6
Seed Width (FT): 9	Seed Area (SY): 72

Sheet Totals		
Seeding	Cut	Fill
169	21	10

CROSS SECTIONS
STA. 203+00 TO STA. 204+50

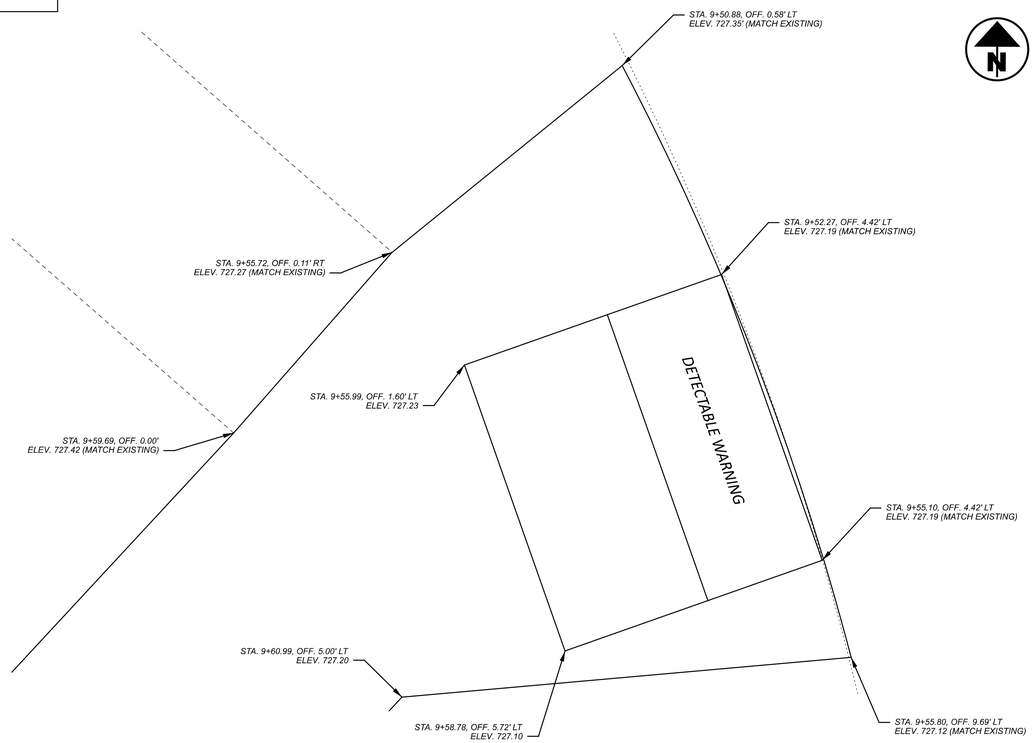
DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5799

DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.116 TOTAL: 144

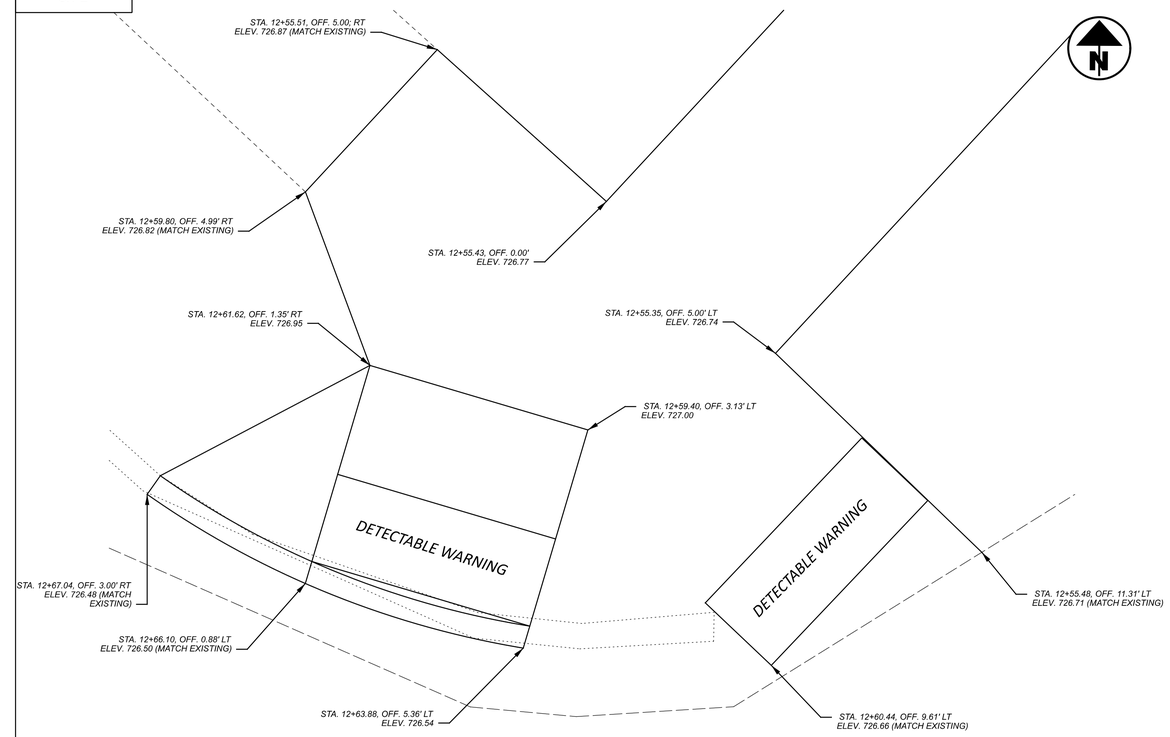
PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:12:12 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_XS001.dgn

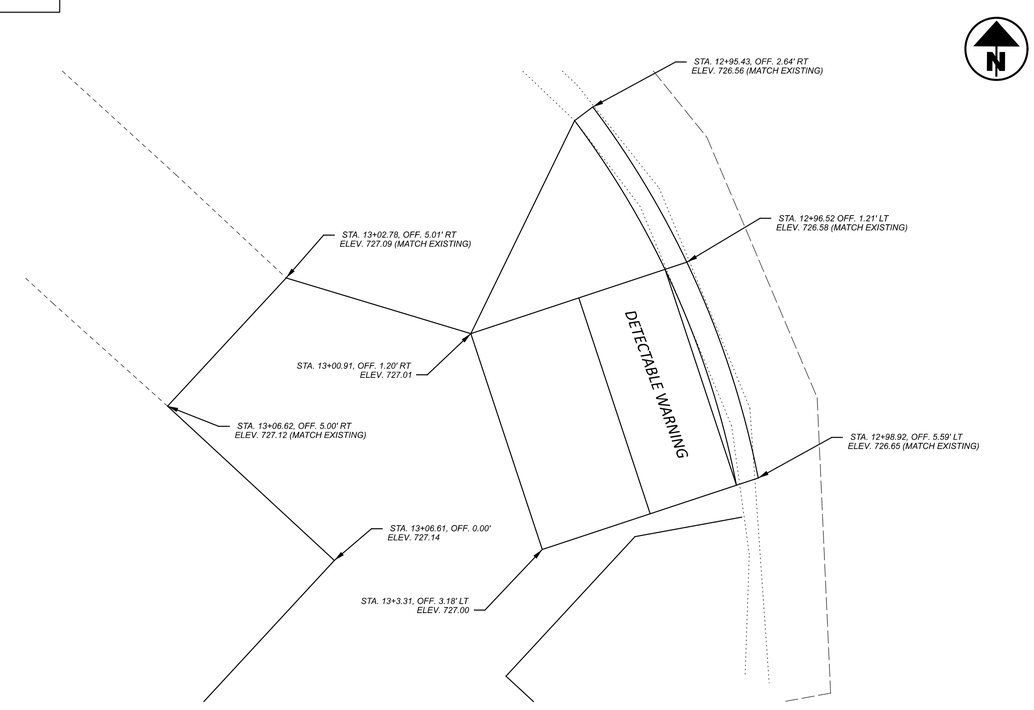
CR-1



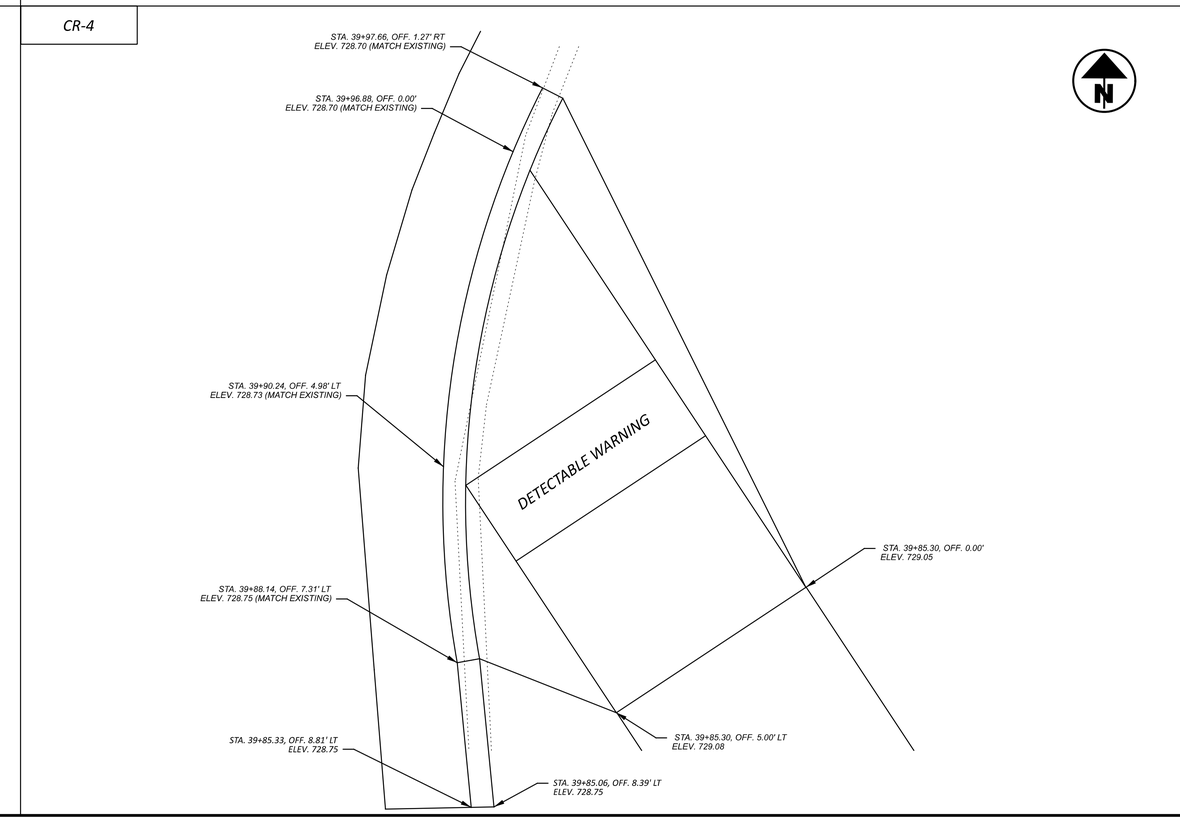
CR-2



CR-3



CR-4



CURB RAMP & WALK DETAILS

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER
KMB

REVIEWER
GAB 12-30-25

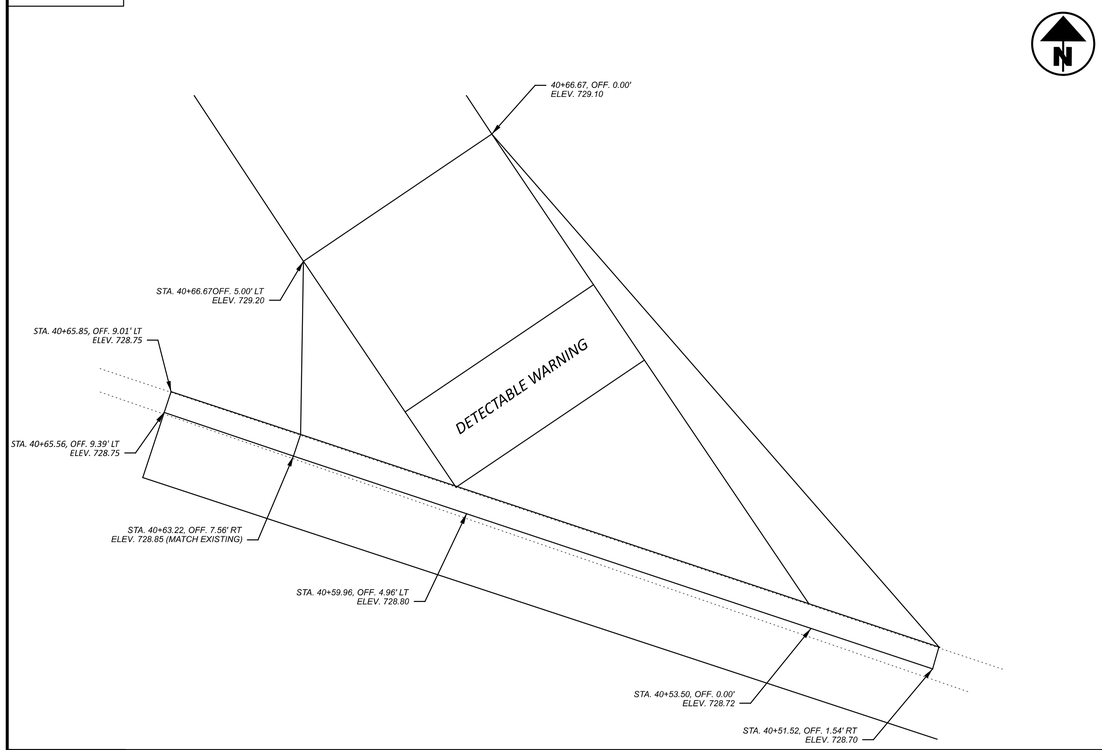
PROJECT ID
121886

SHEET P.117 TOTAL 144

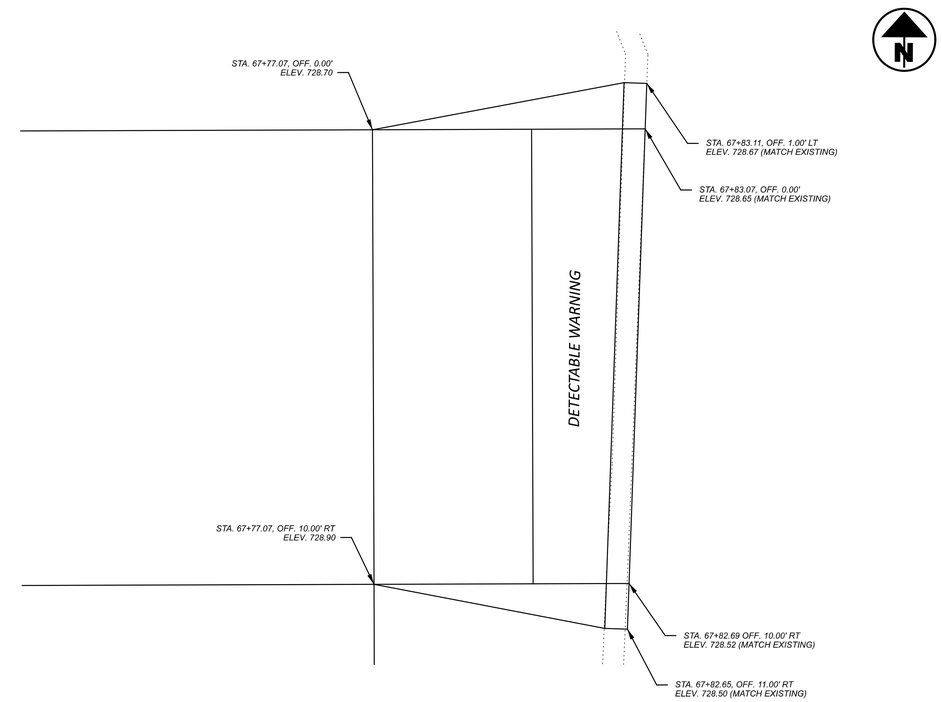
'PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:37:05 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GI001.dgn

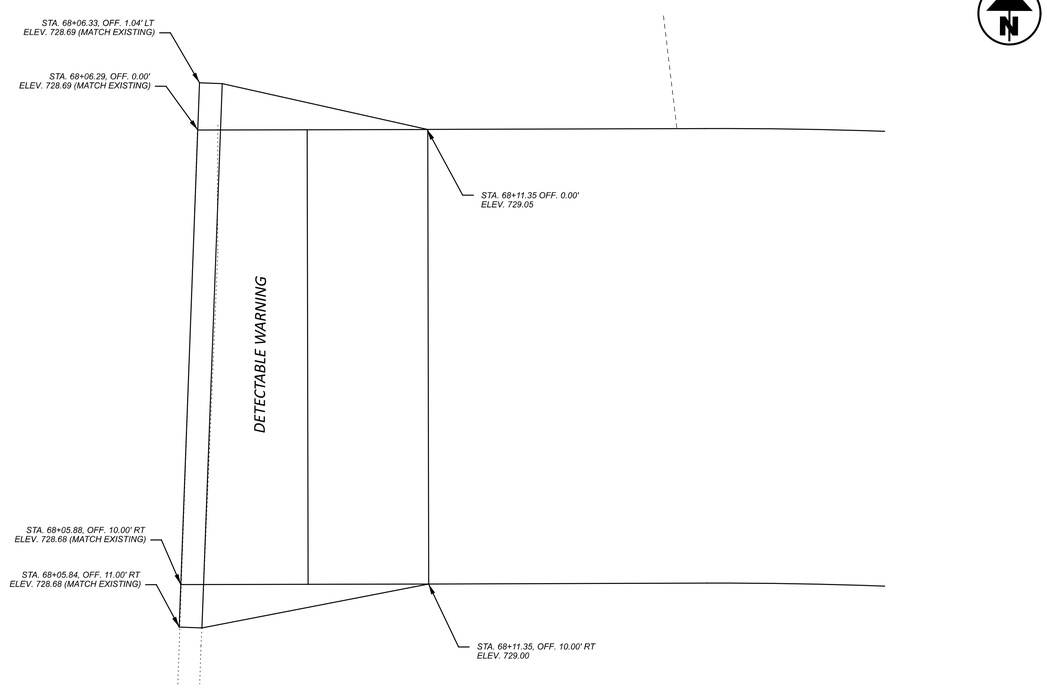
CR-5



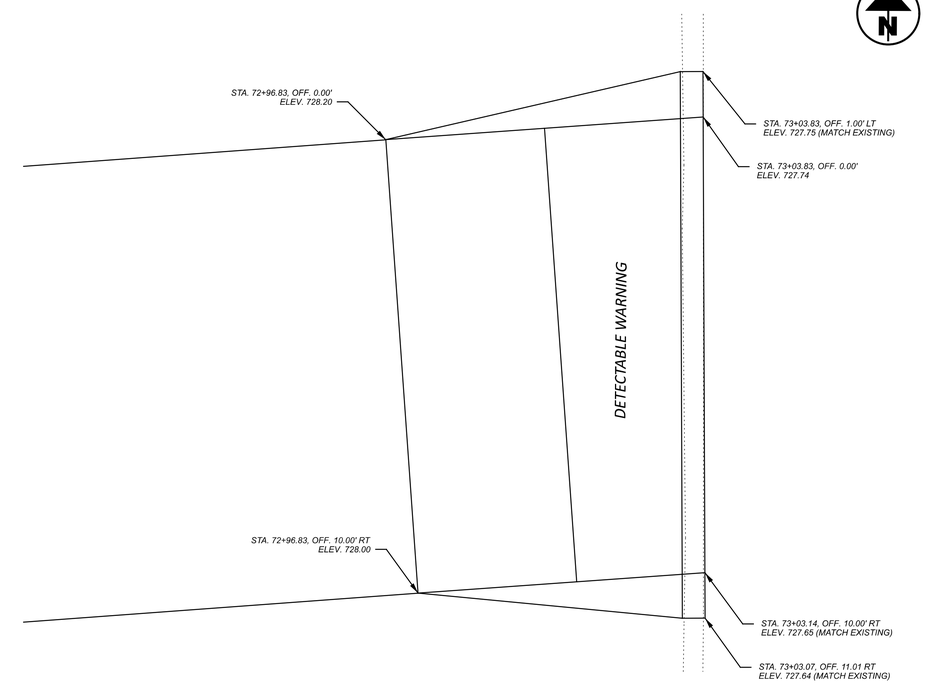
CR-6



CR-7



CR-8



CURB RAMP & WALK DETAILS

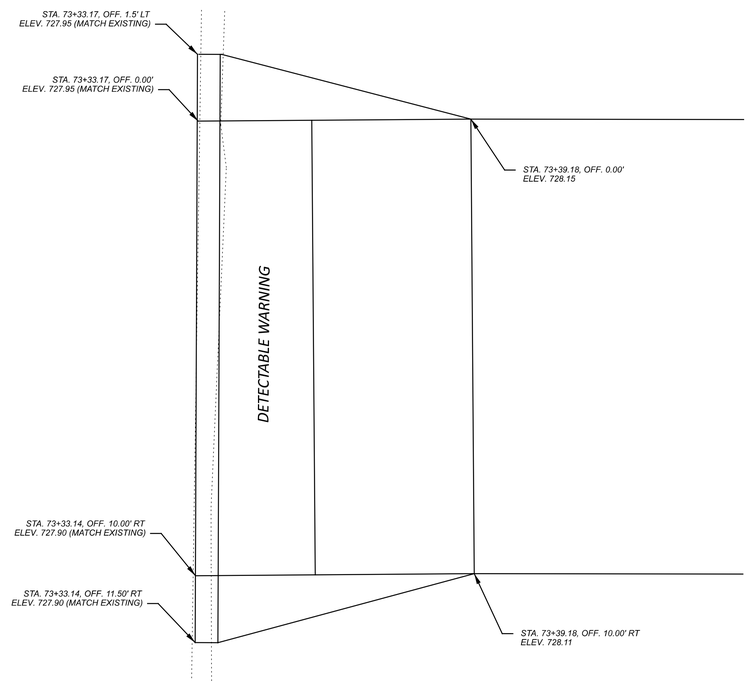
DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.118 TOTAL 144

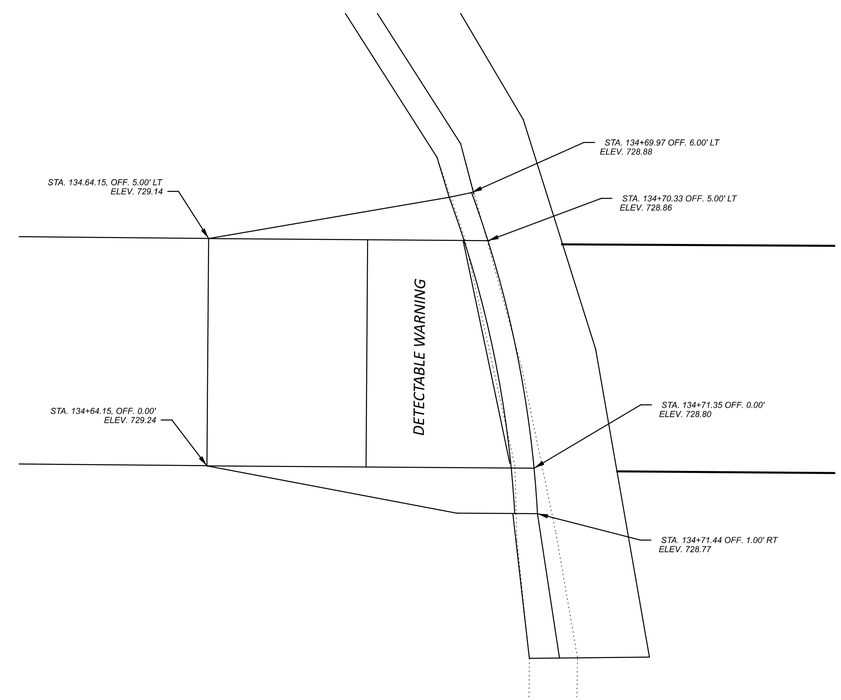
PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:44:48 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GI001.dgn

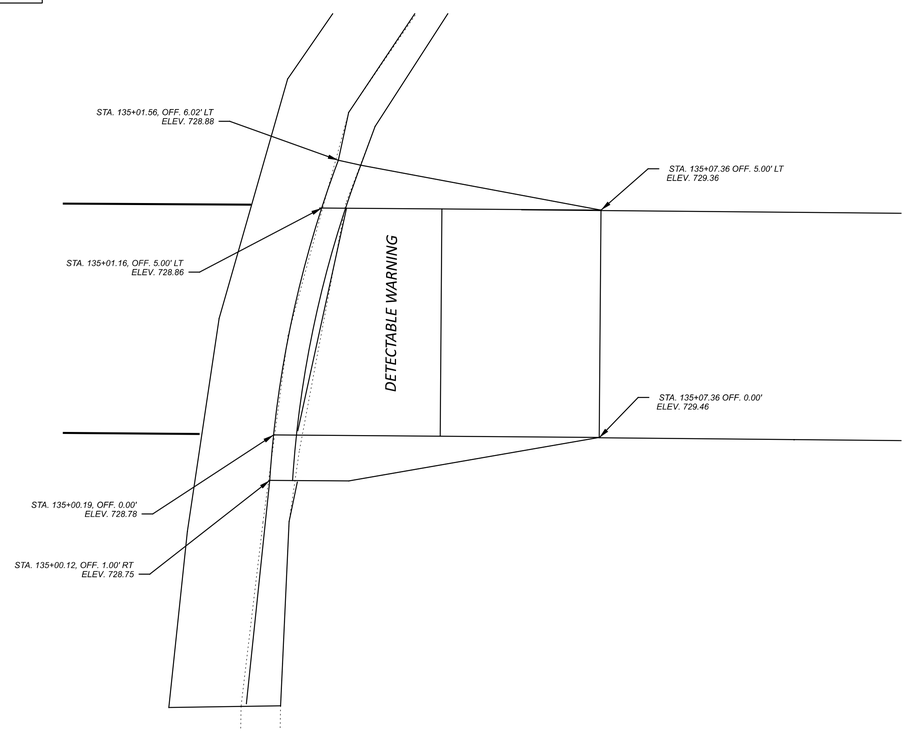
CR-9



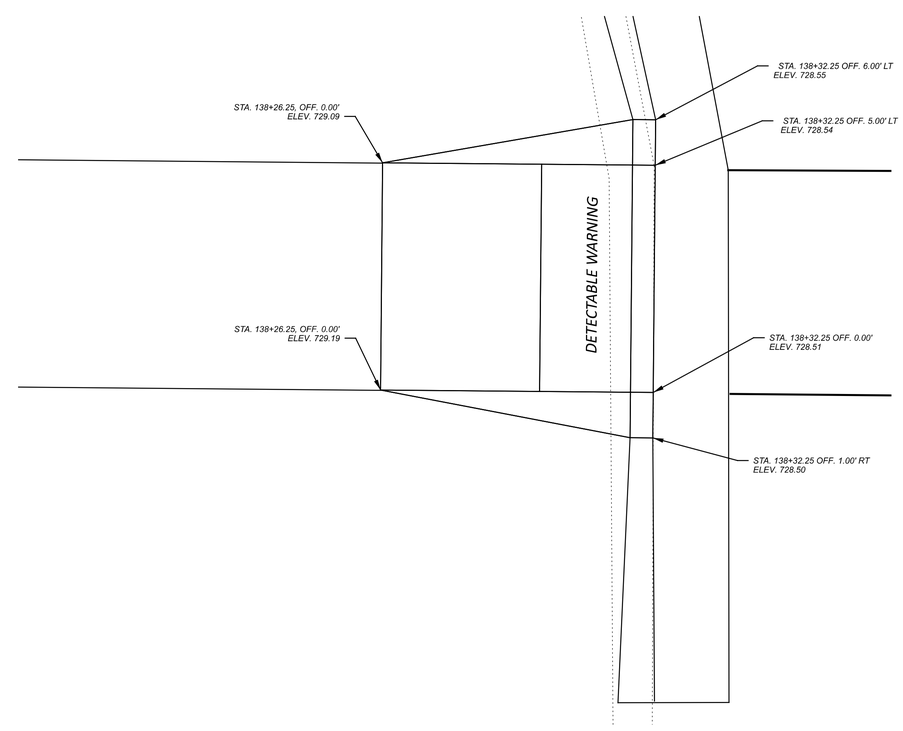
CR-10



CR-11



CR-12



CURB RAMP & WALK DETAILS

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER: KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SHEET: P.119 TOTAL: 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:48:58 AM USER: kbuss
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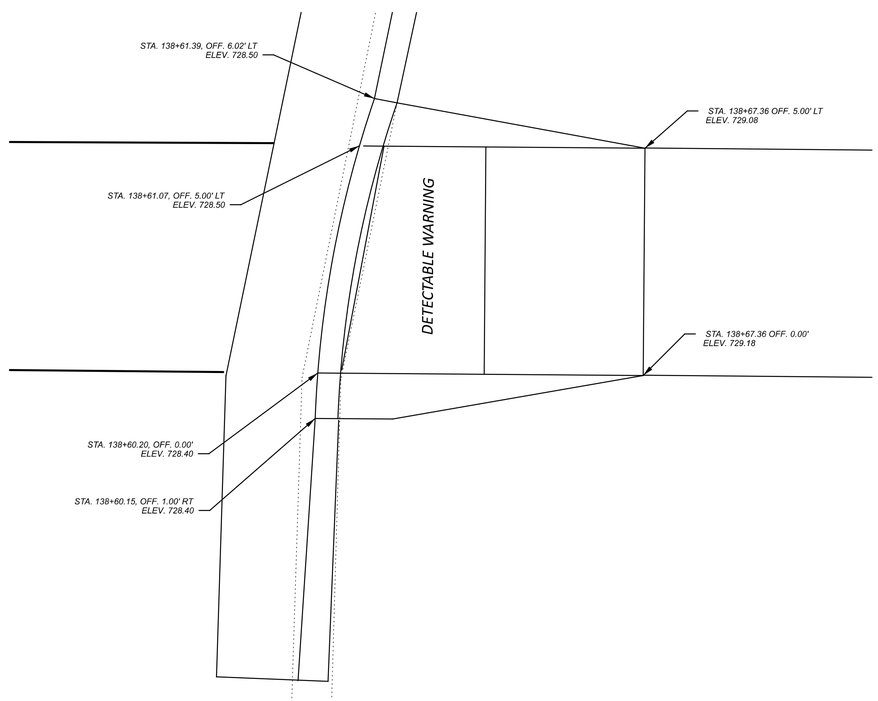
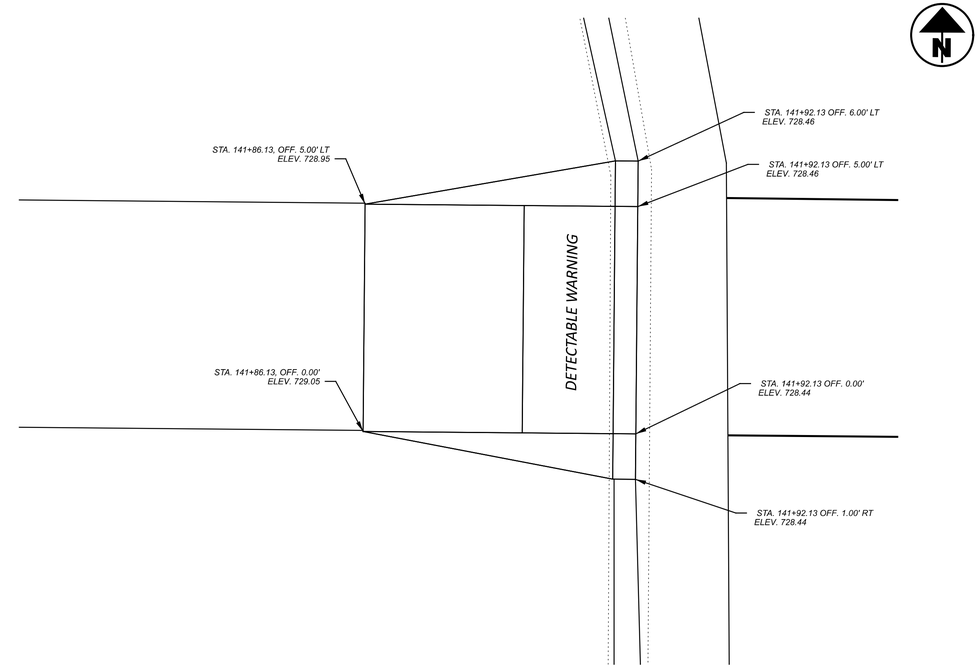
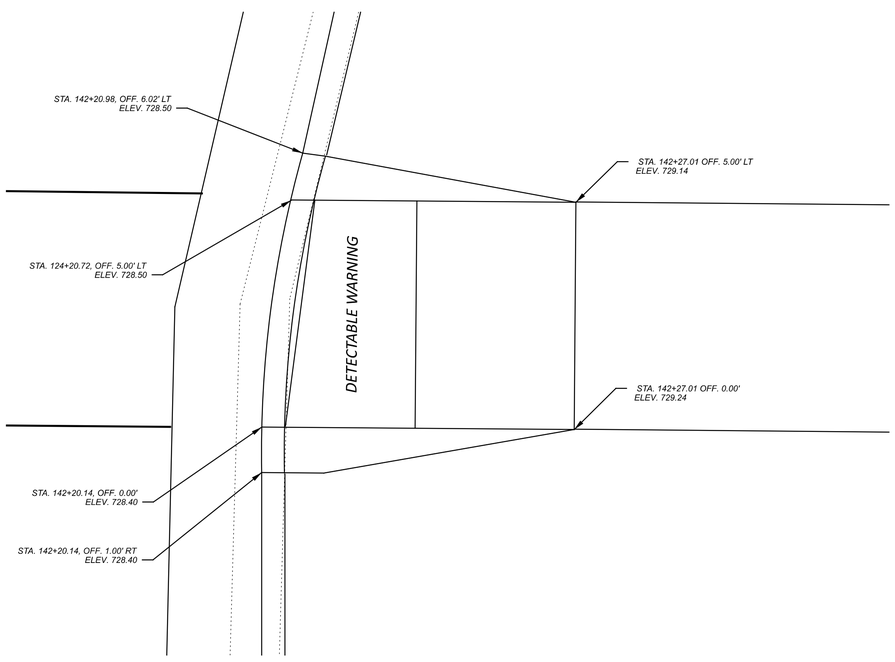
CR-13



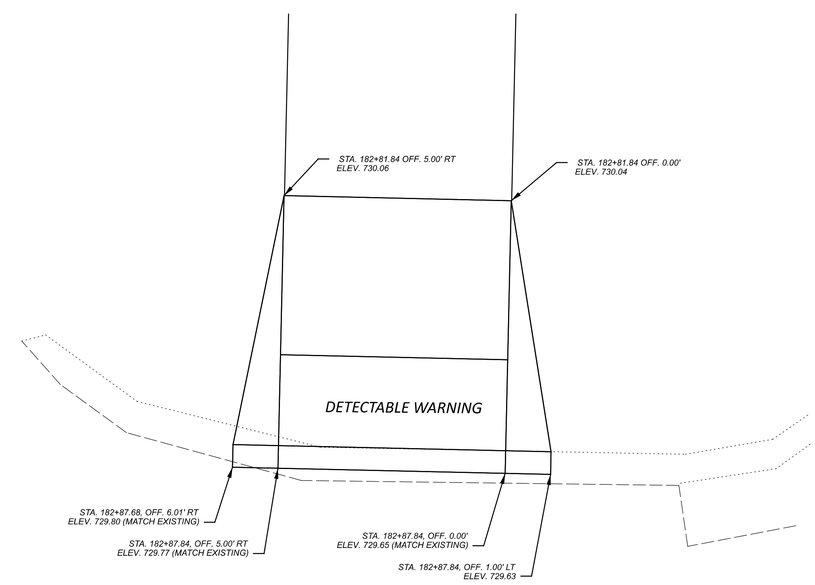
CR-14



CR-15



CR-16



CURB RAMP & WALK DETAILS

PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:15:15 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GI001.dgn

DESIGN AGENCY
Bockrath & Associates
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Phone: 419.523.5789

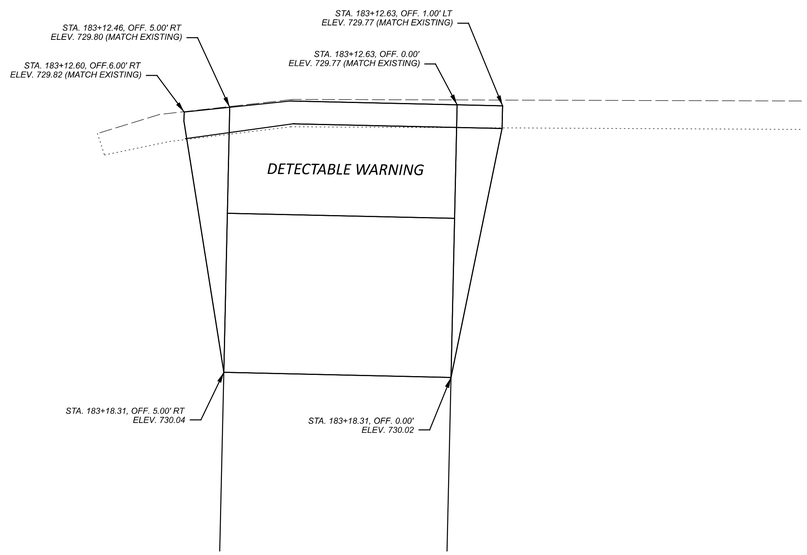
DESIGNER
KMB

REVIEWER
GAB 12-30-25

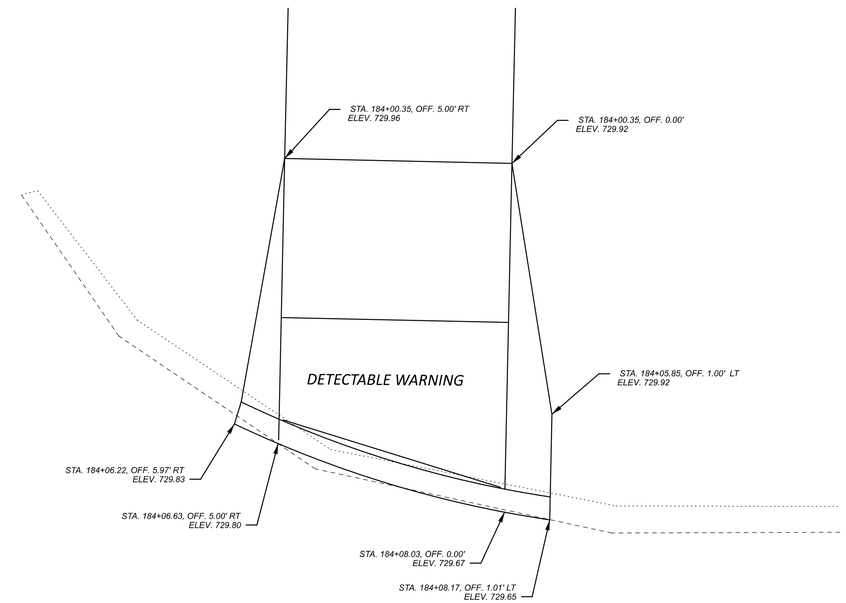
PROJECT ID
121886

SHEET P.120 TOTAL 144

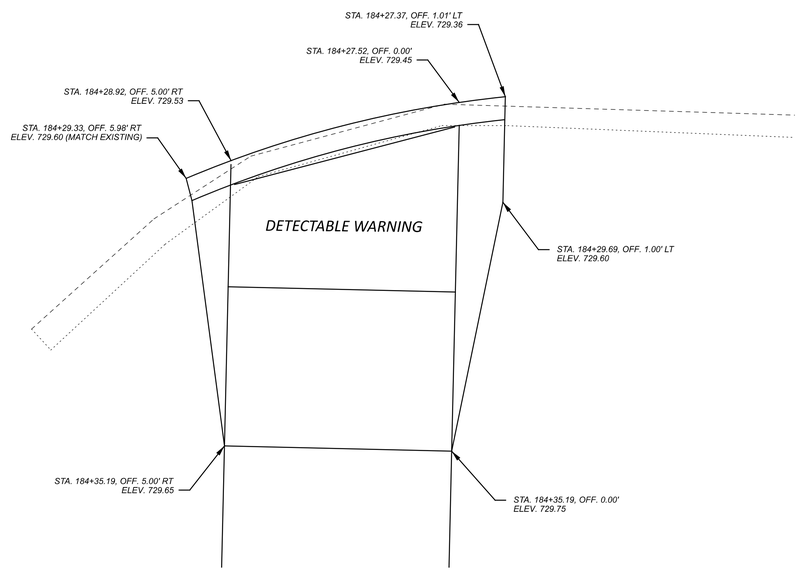
CR-17



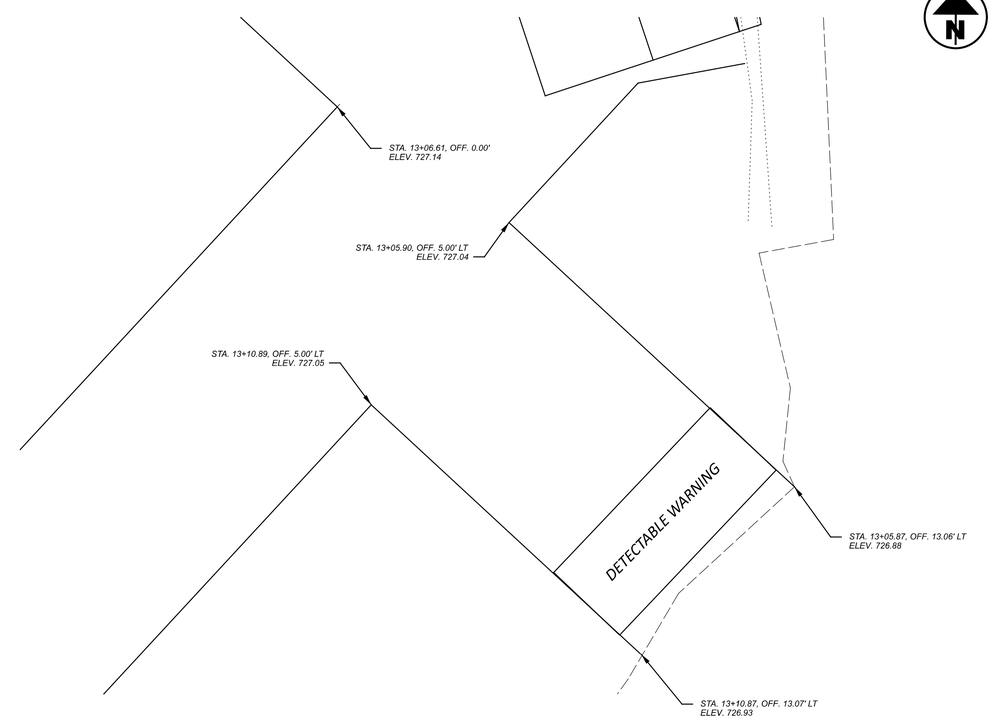
CR-18



CR-19



A-1



CURB RAMP & WALK DETAILS

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER
KMB

REVIEWER
GAB 12-30-25

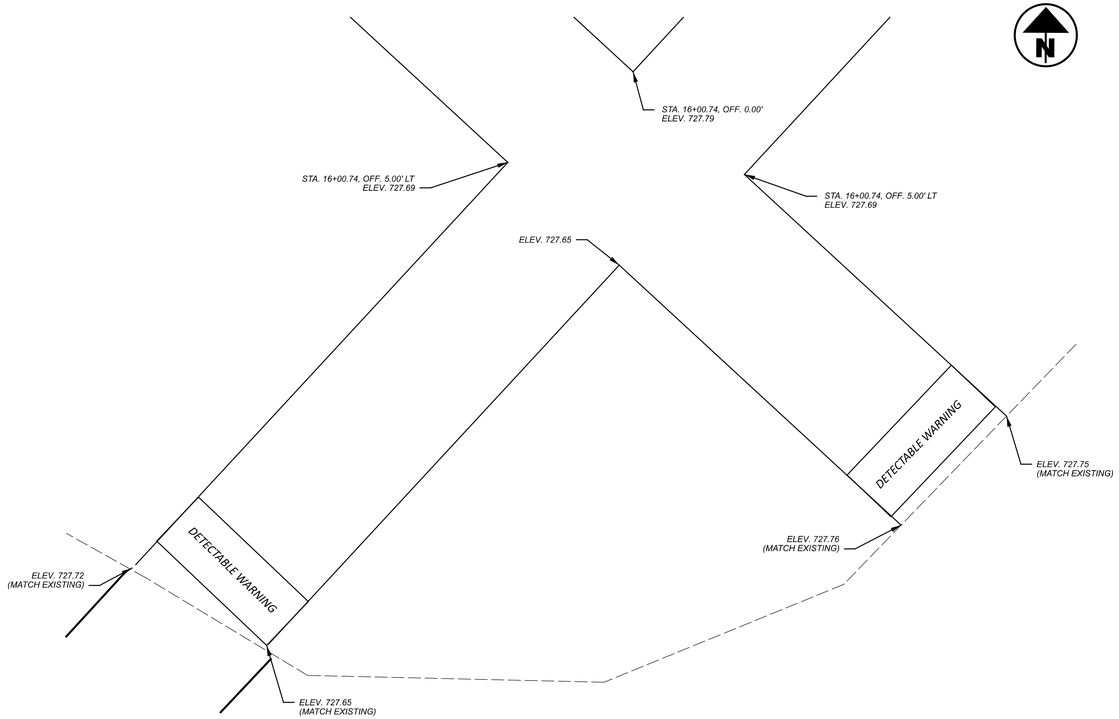
PROJECT ID
121886

SHEET P.121 TOTAL 144

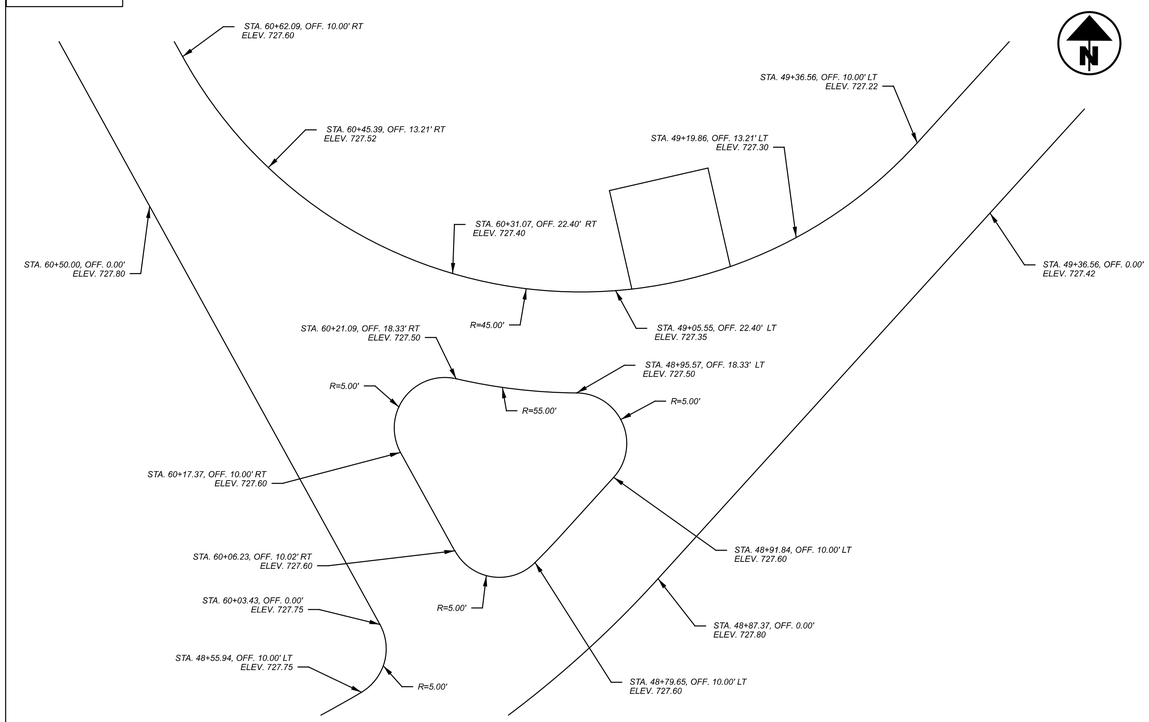
PUT-KALIDA PEDESTRIAN LOOP

MODEL: CLX_RW_13 - 3+50.00 PAPERSIZE: 34x22 (in.) DATE: 1/8/2026 TIME: 11:15:39 AM USER: kbuss
Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GI001.dgn

A-2



A-3



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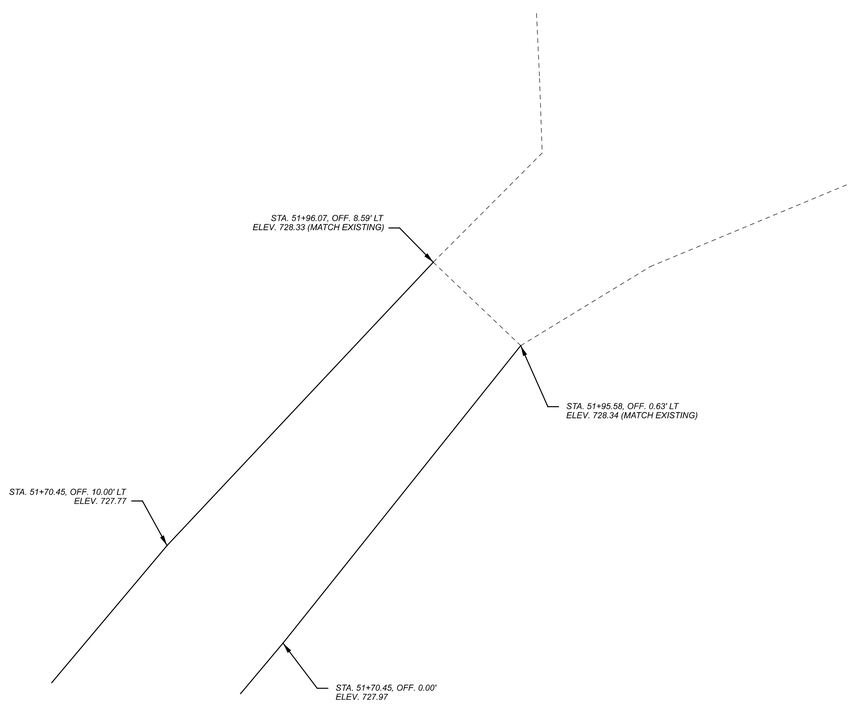

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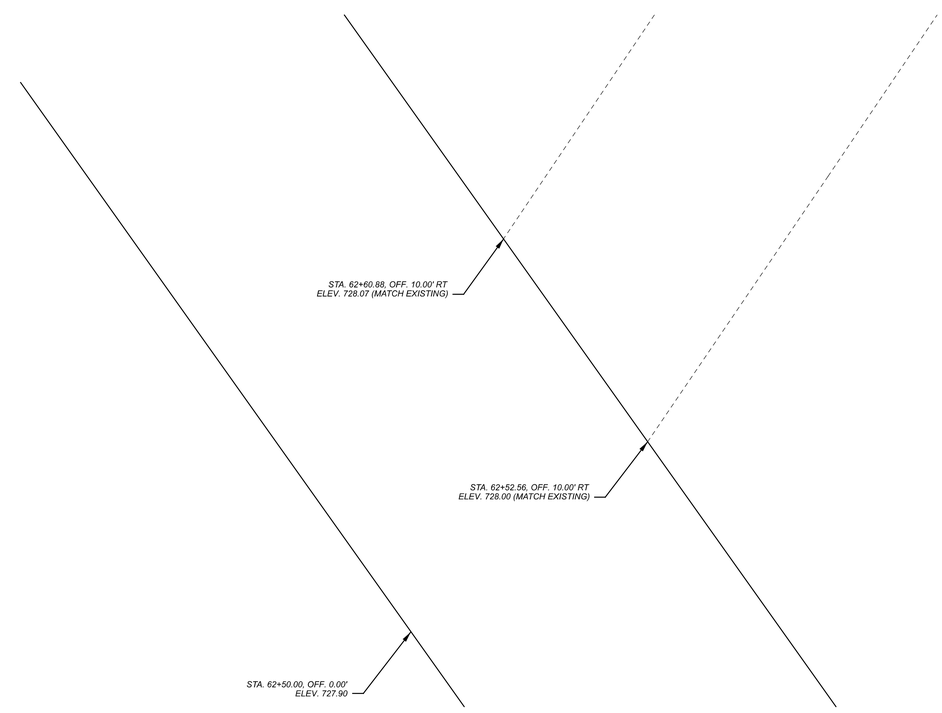

CURB RAMP & WALK DETAILS

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SHEET P.122 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

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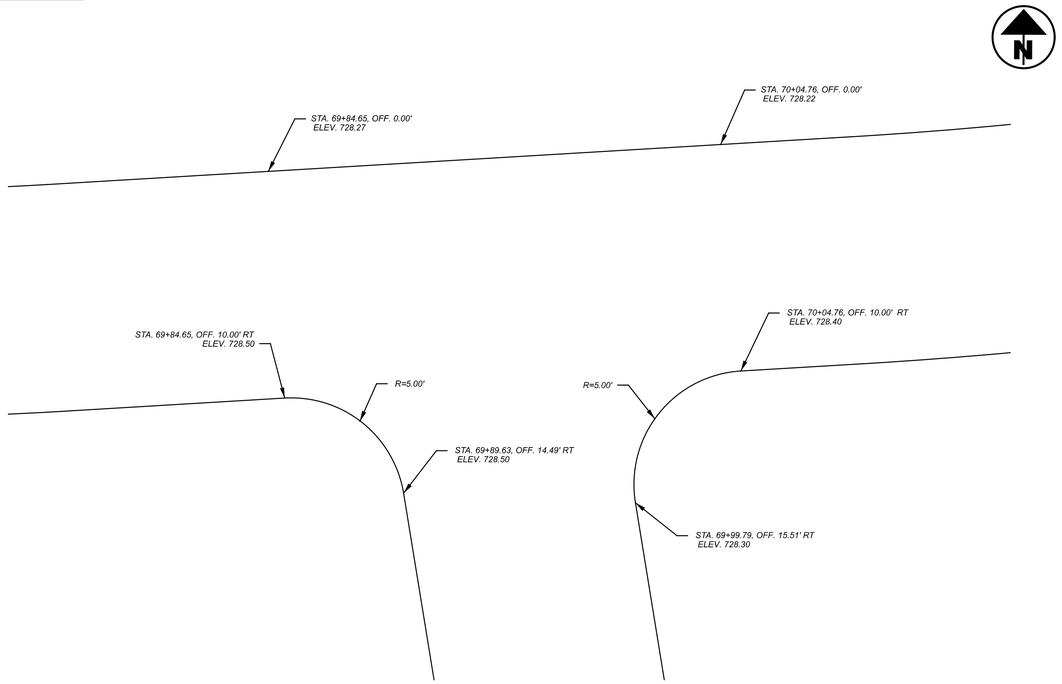

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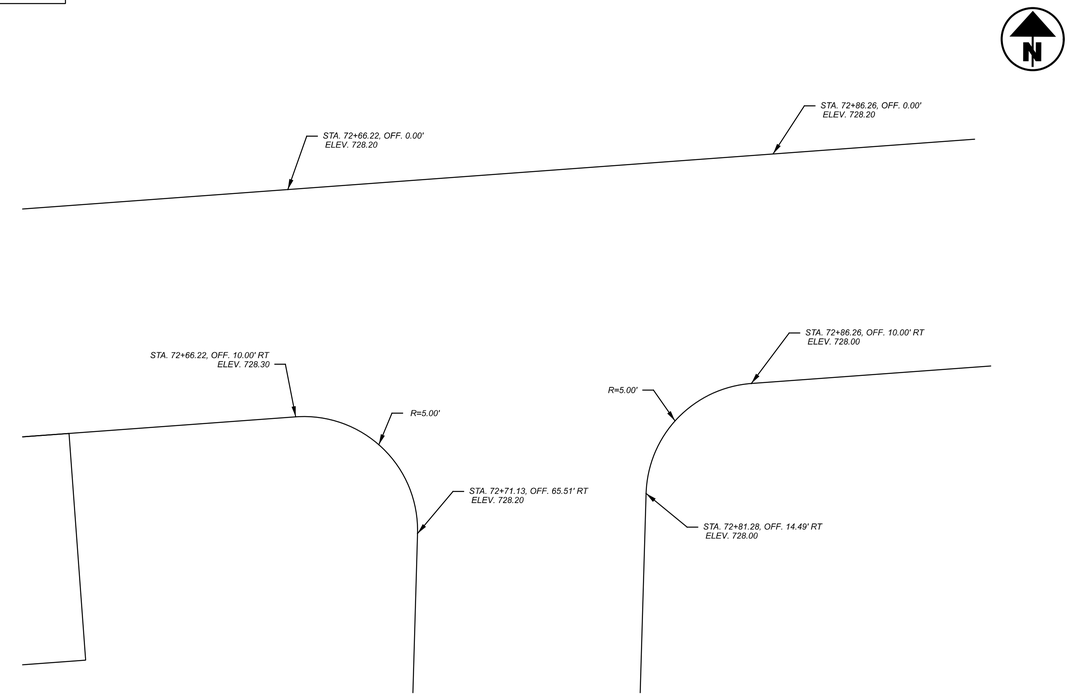

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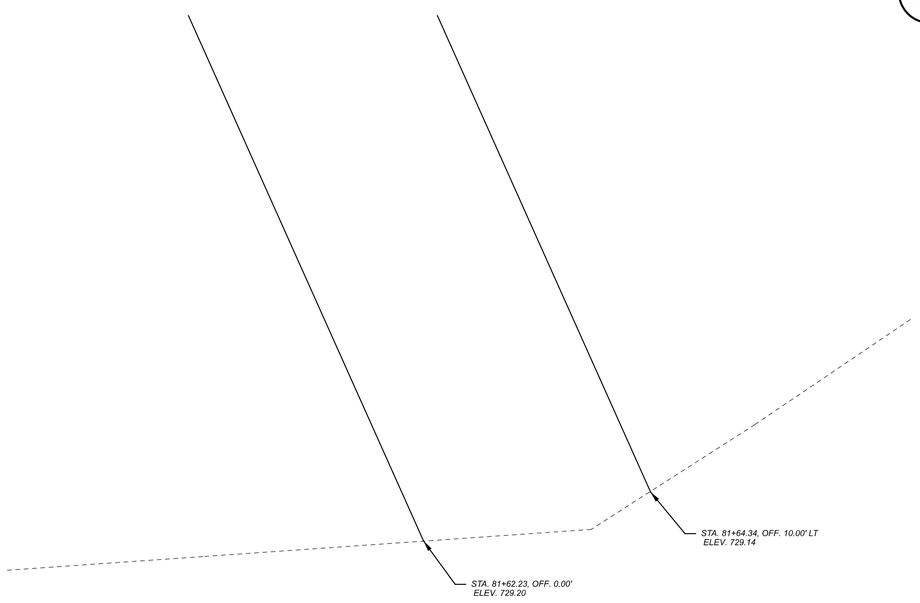

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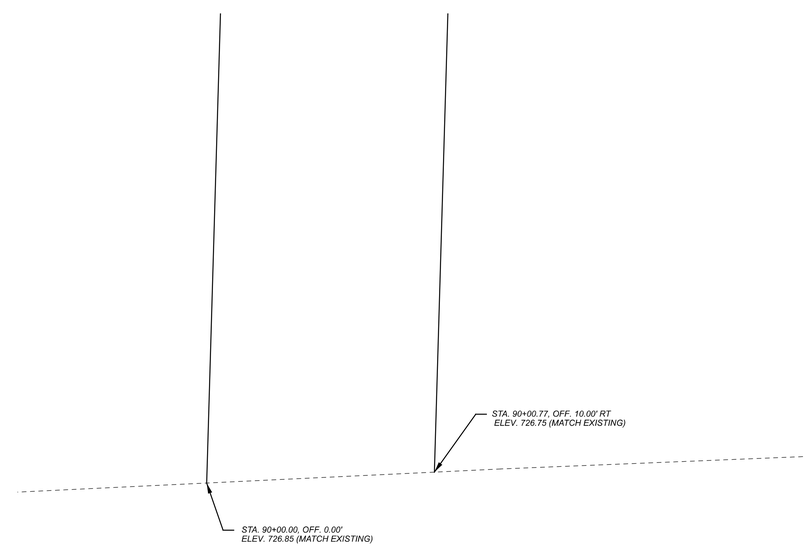

CURB RAMP & WALK DETAILS

PUT-KALIDA PEDESTRIAN LOOP

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Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GI001.dgn

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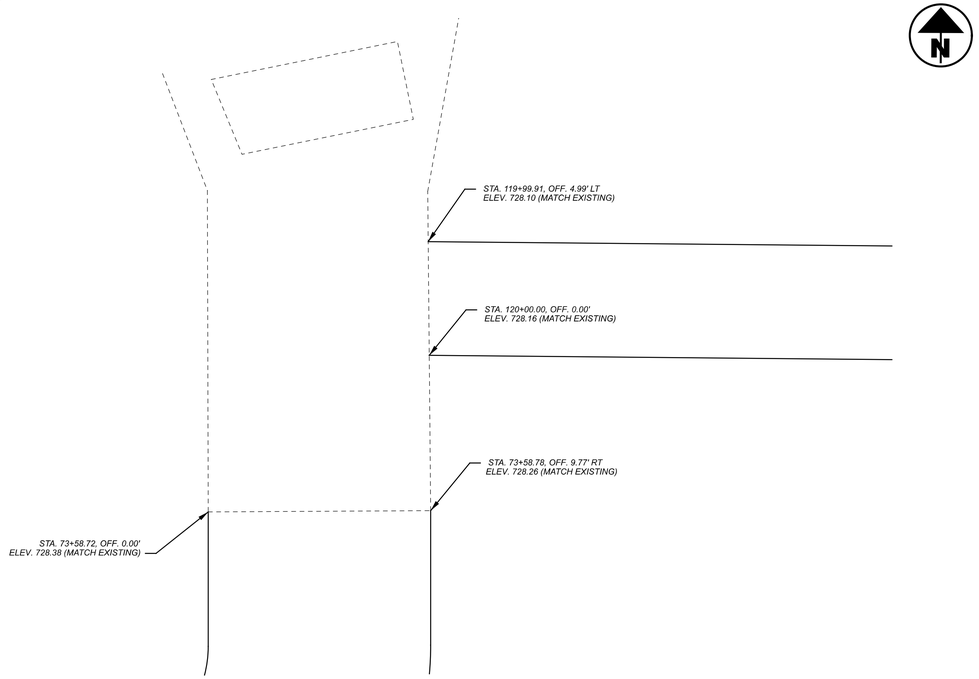

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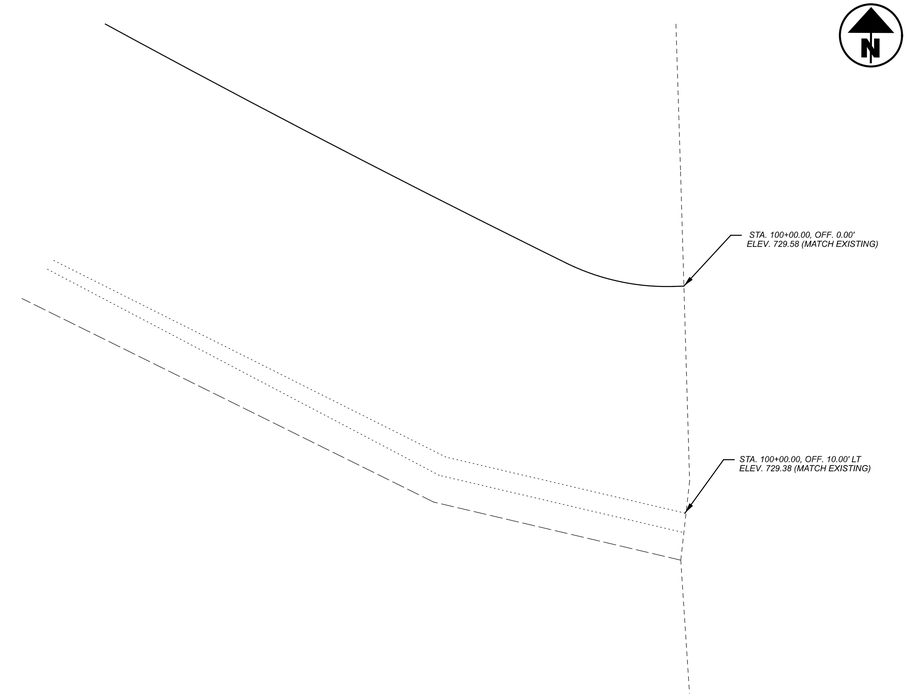

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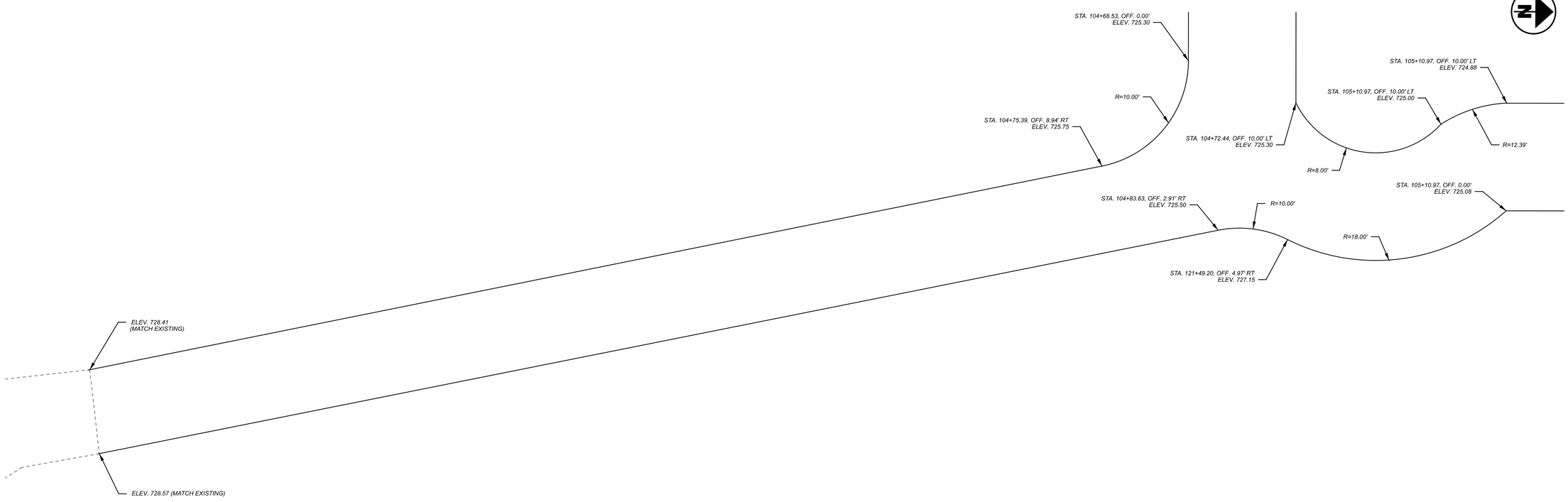

CURB RAMP & WALK DETAILS

PUT-KALIDA PEDESTRIAN LOOP

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Z:\Active Projects\24-219_Kalida TAP Grant\121886\400-Engineering\Roadway\Sheets\121886_GI001.dgn

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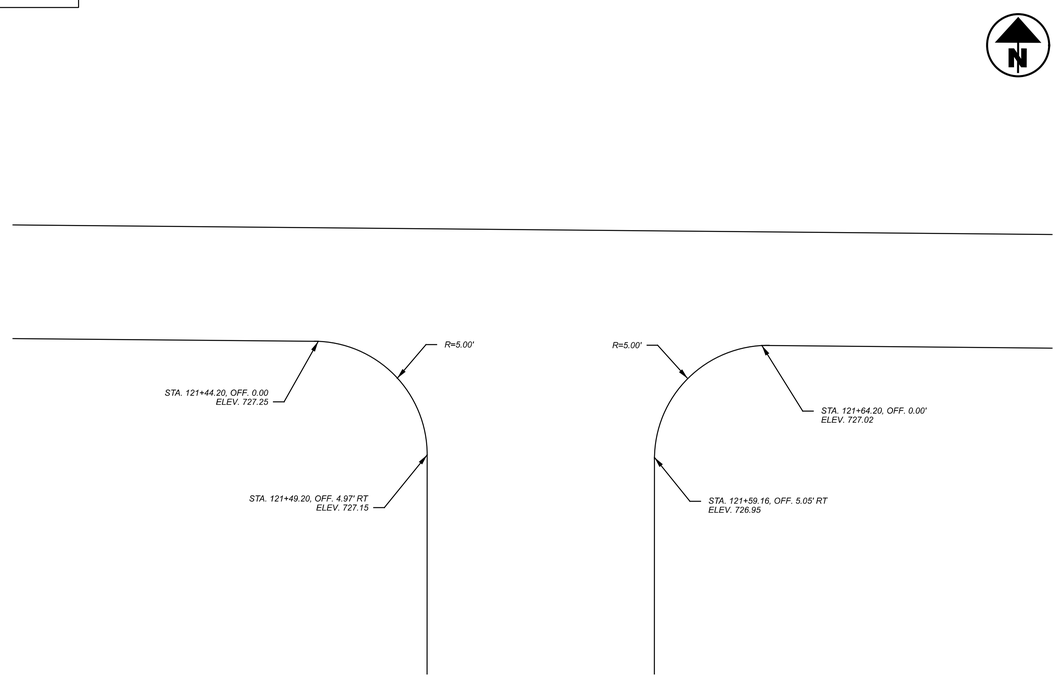
SHEET P.124 TOTAL 144

A-13



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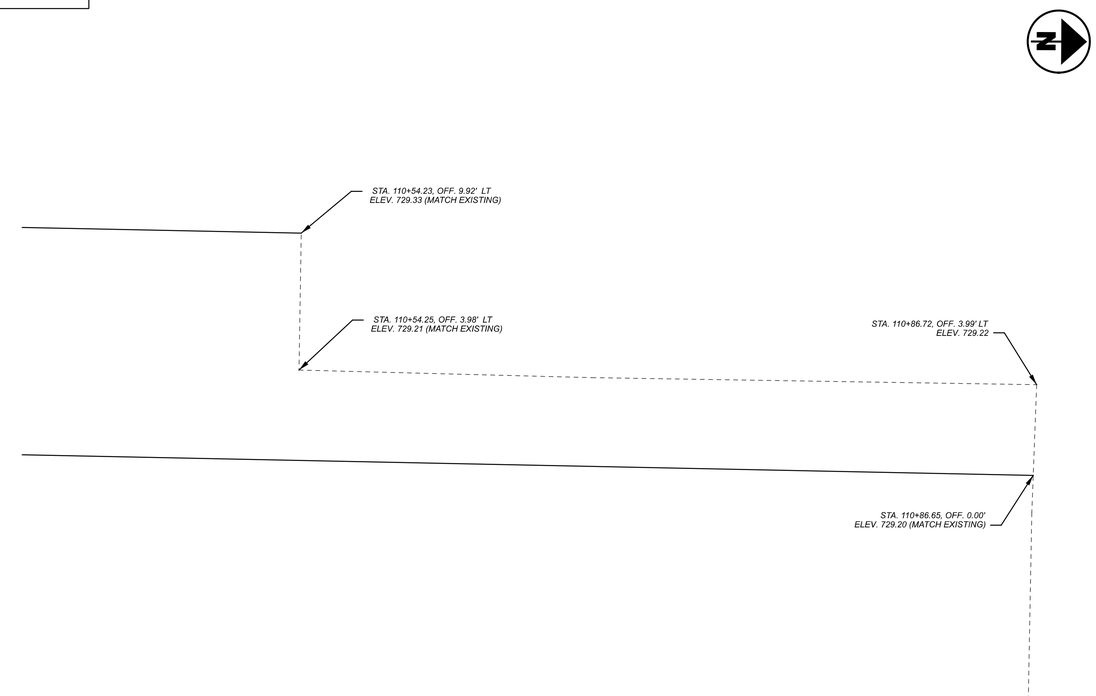

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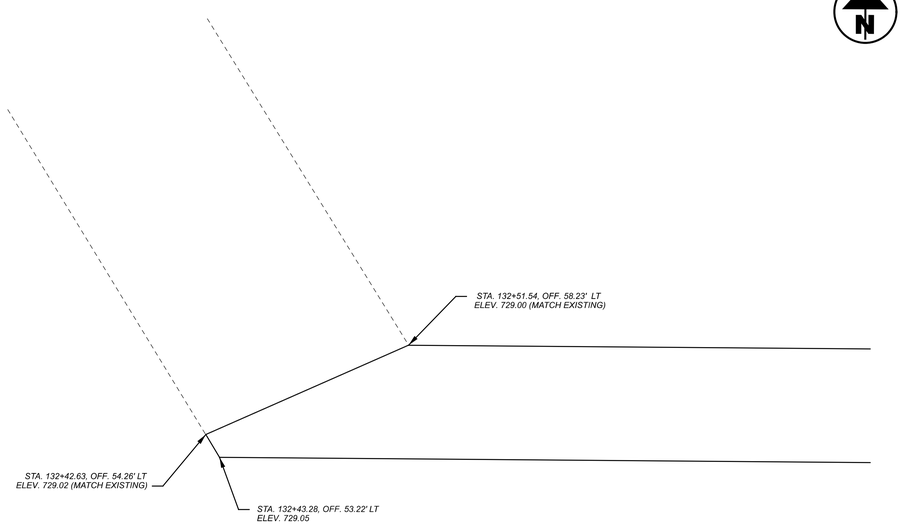

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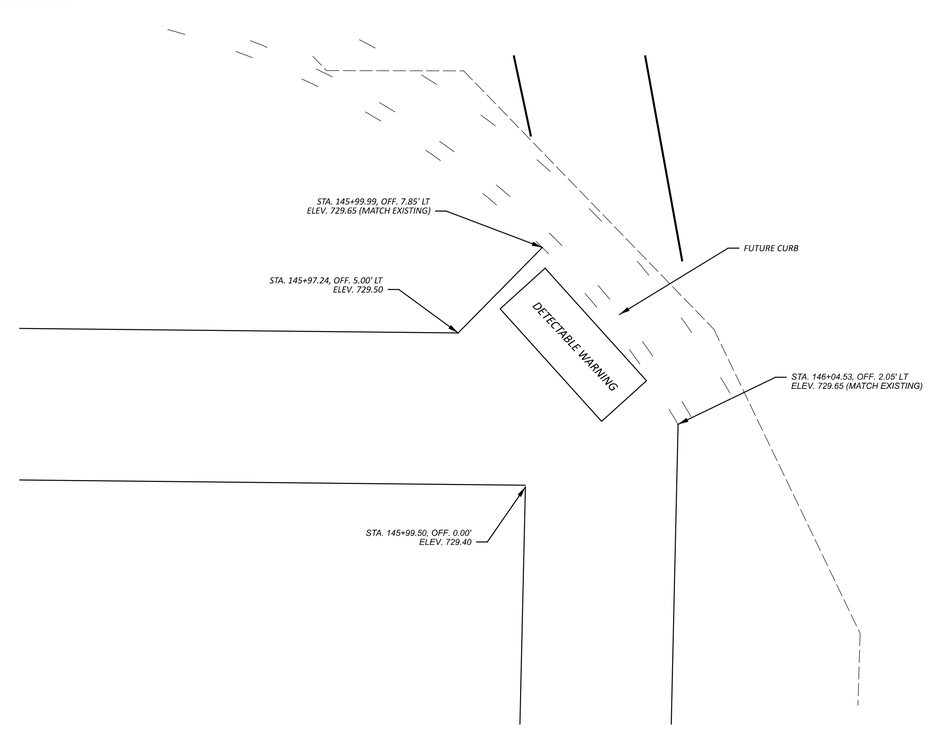

CURB RAMP & WALK DETAILS

PUT-KALIDA PEDESTRIAN LOOP

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REVIEWER	GAB 2-2-26
PROJECT ID	121886
SHEET	P.125
TOTAL	144

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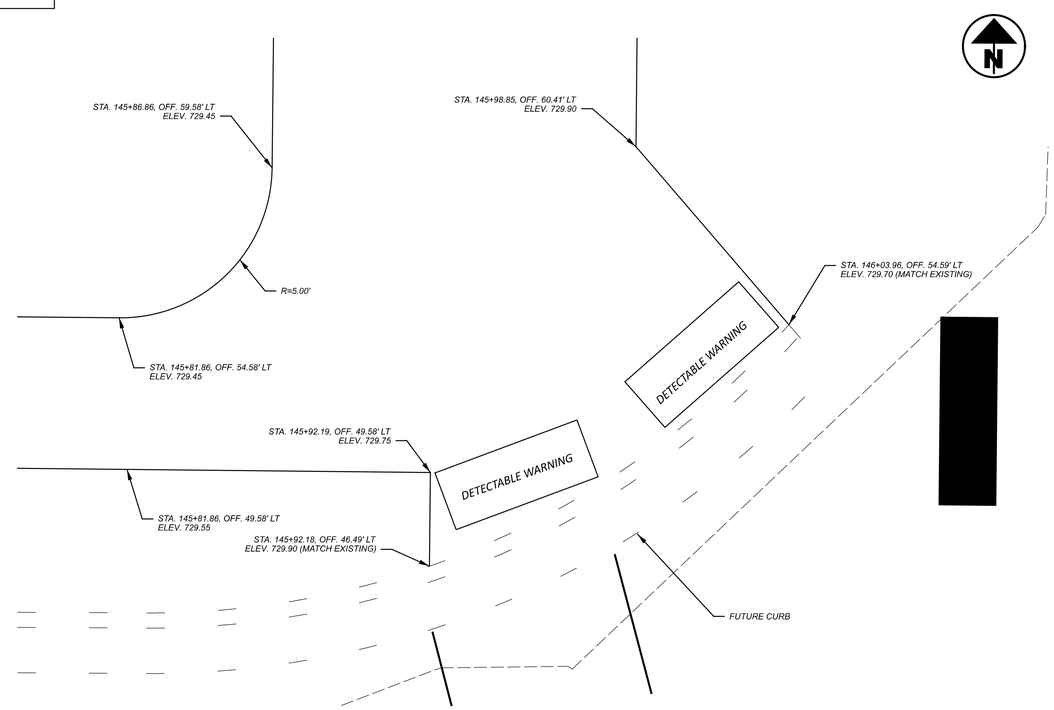

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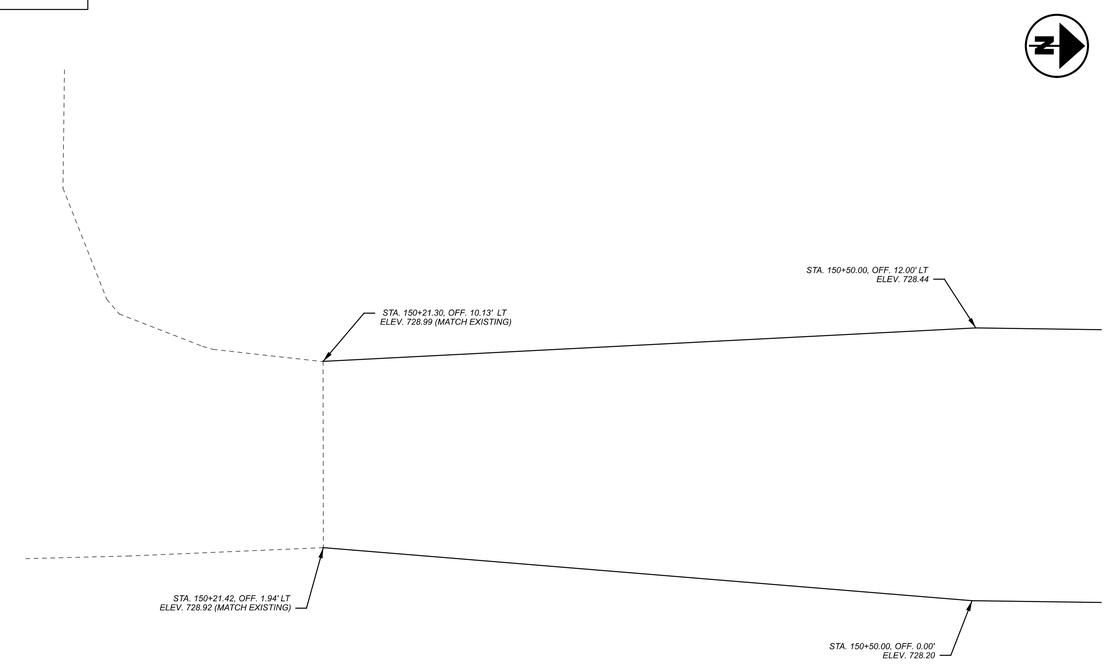

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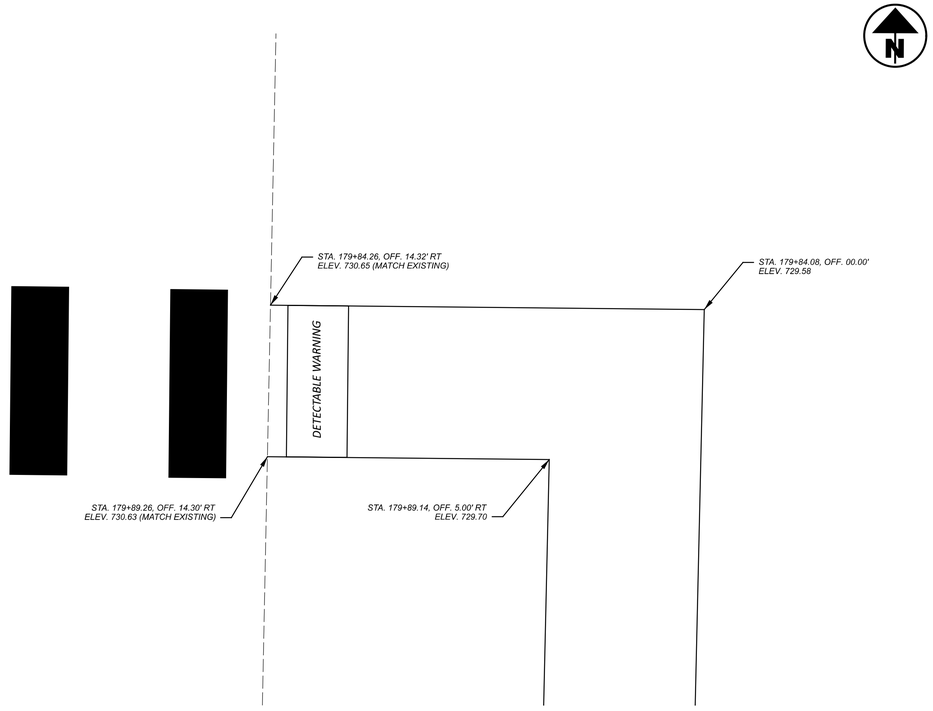

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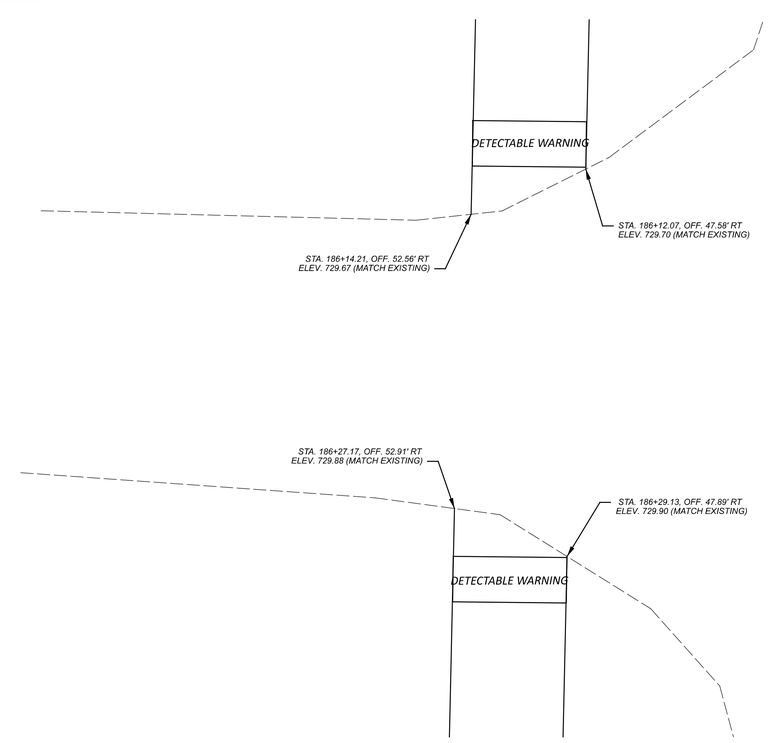

CURB RAMP & WALK DETAILS

PUT-KALIDA PEDESTRIAN LOOP

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SHEET P.126 TOTAL 144

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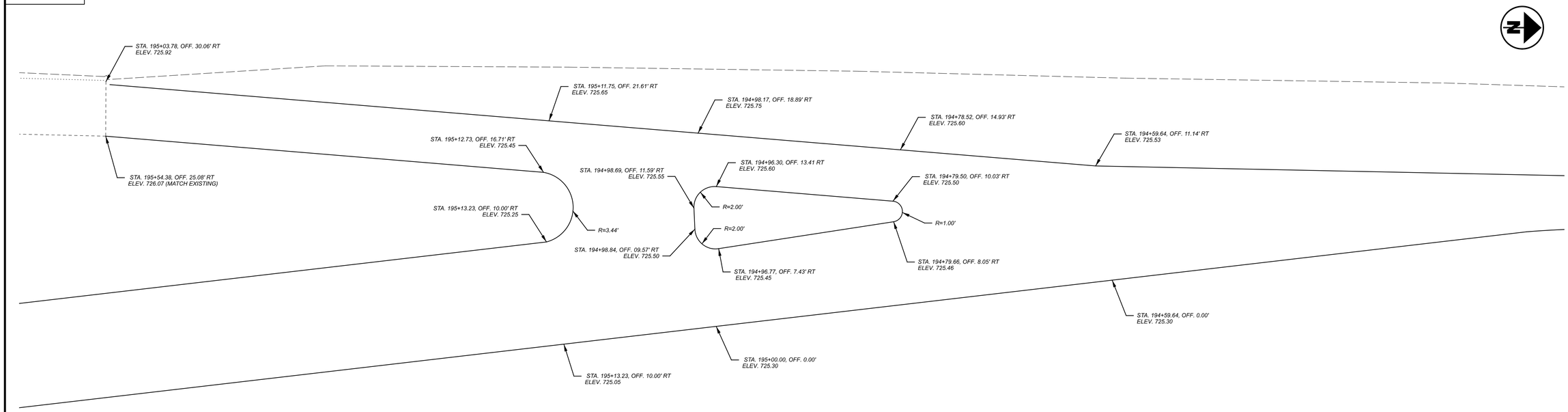

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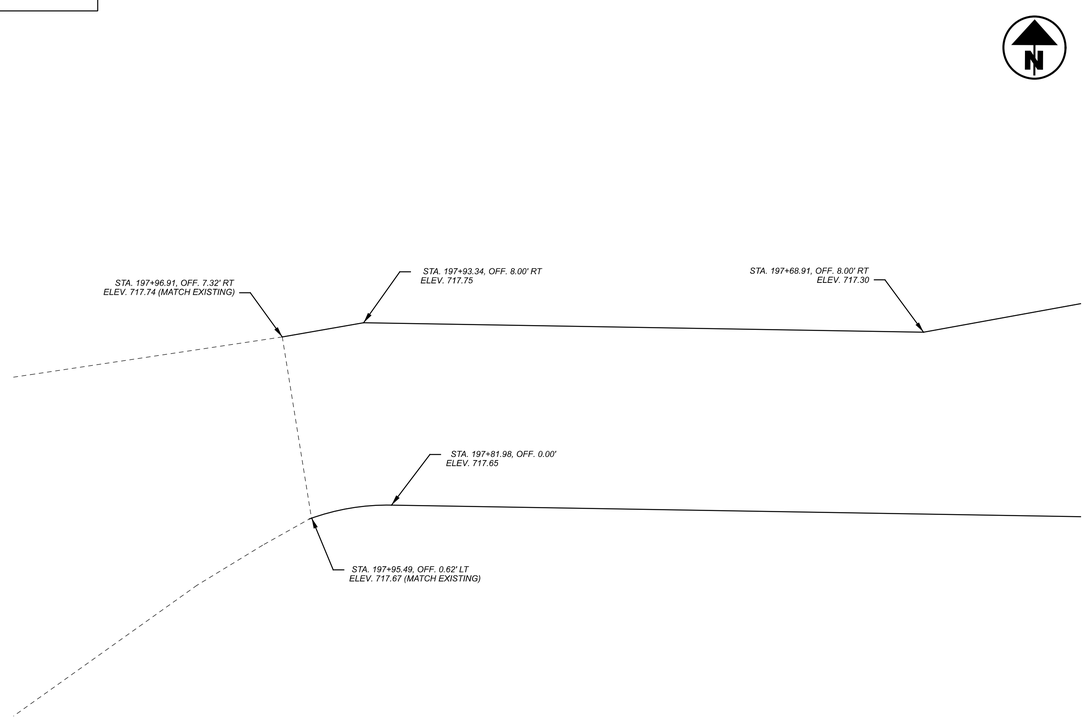

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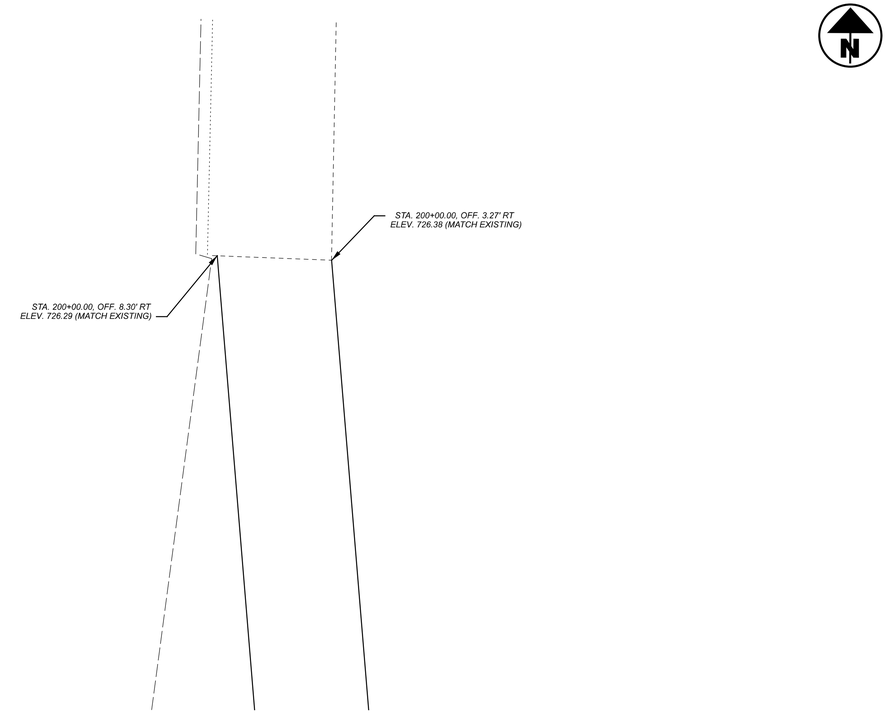

CURB RAMP & WALK DETAILS

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121886

SHEET P.127 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

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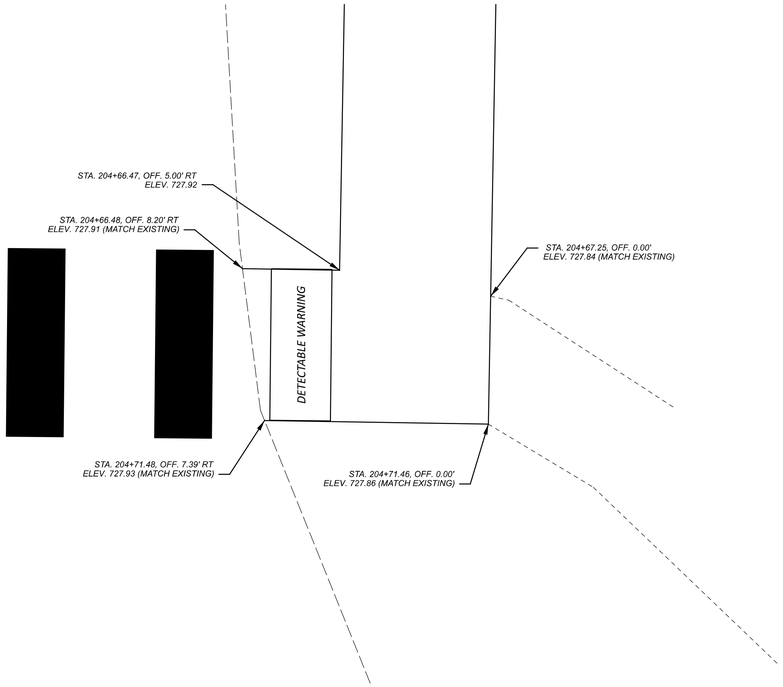

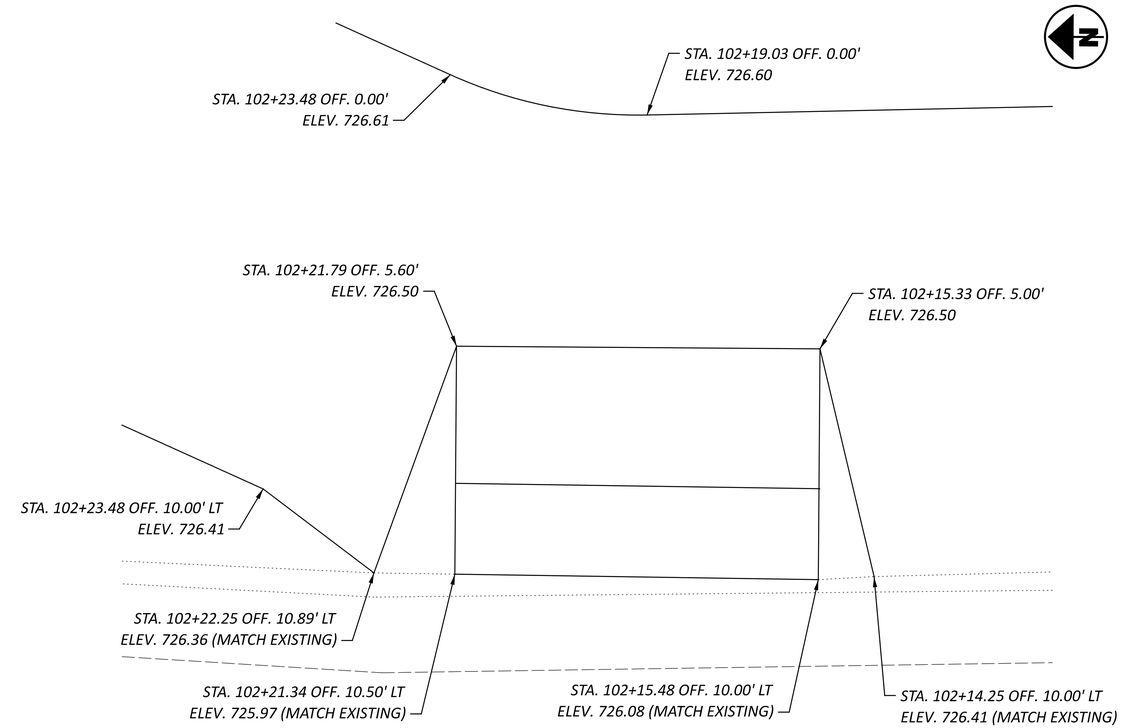

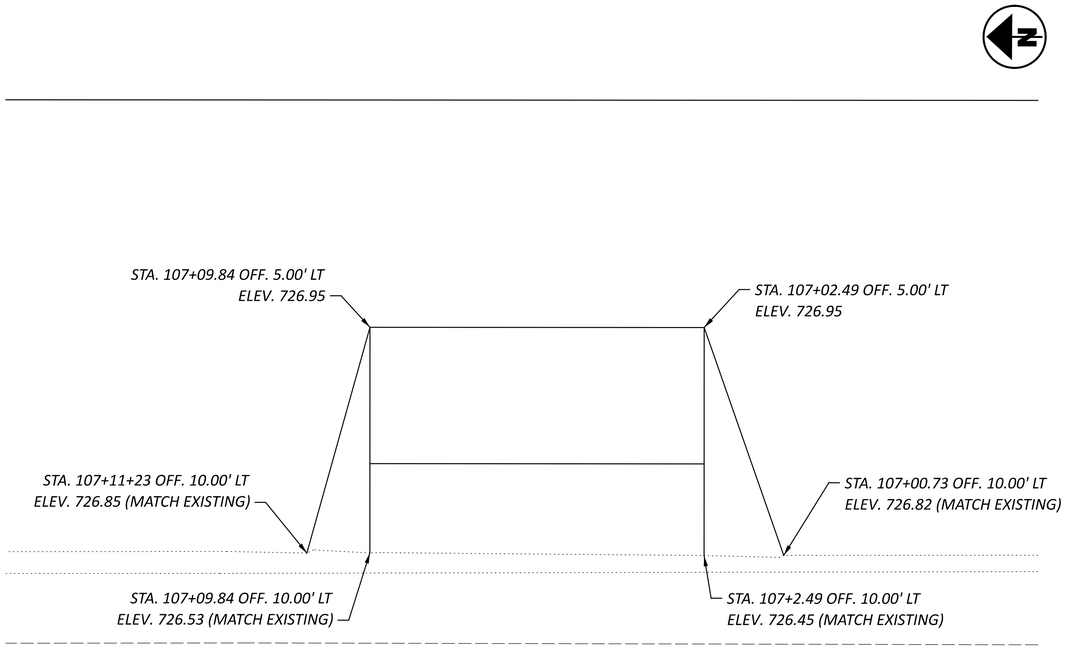

CURB RAMP & WALK DETAILS

PUT-KALIDA PEDESTRIAN LOOP

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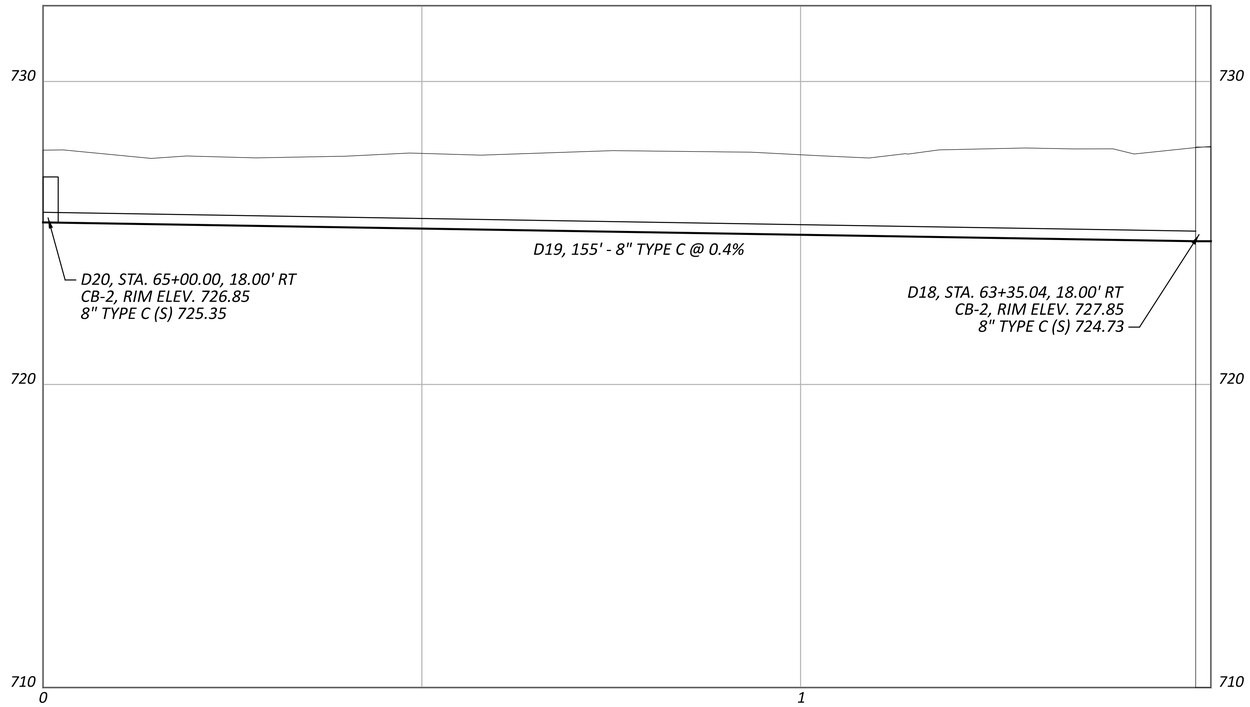
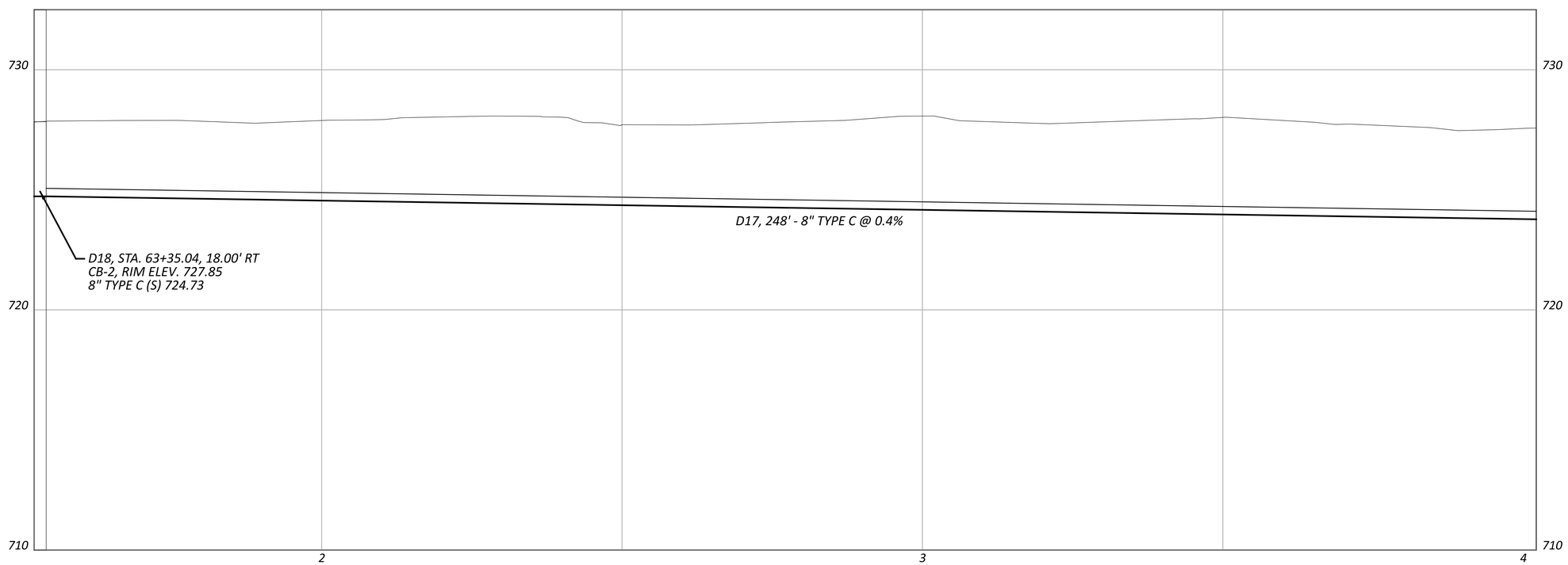
SHEET P.128 TOTAL 144





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STORM SEWER PROFILES

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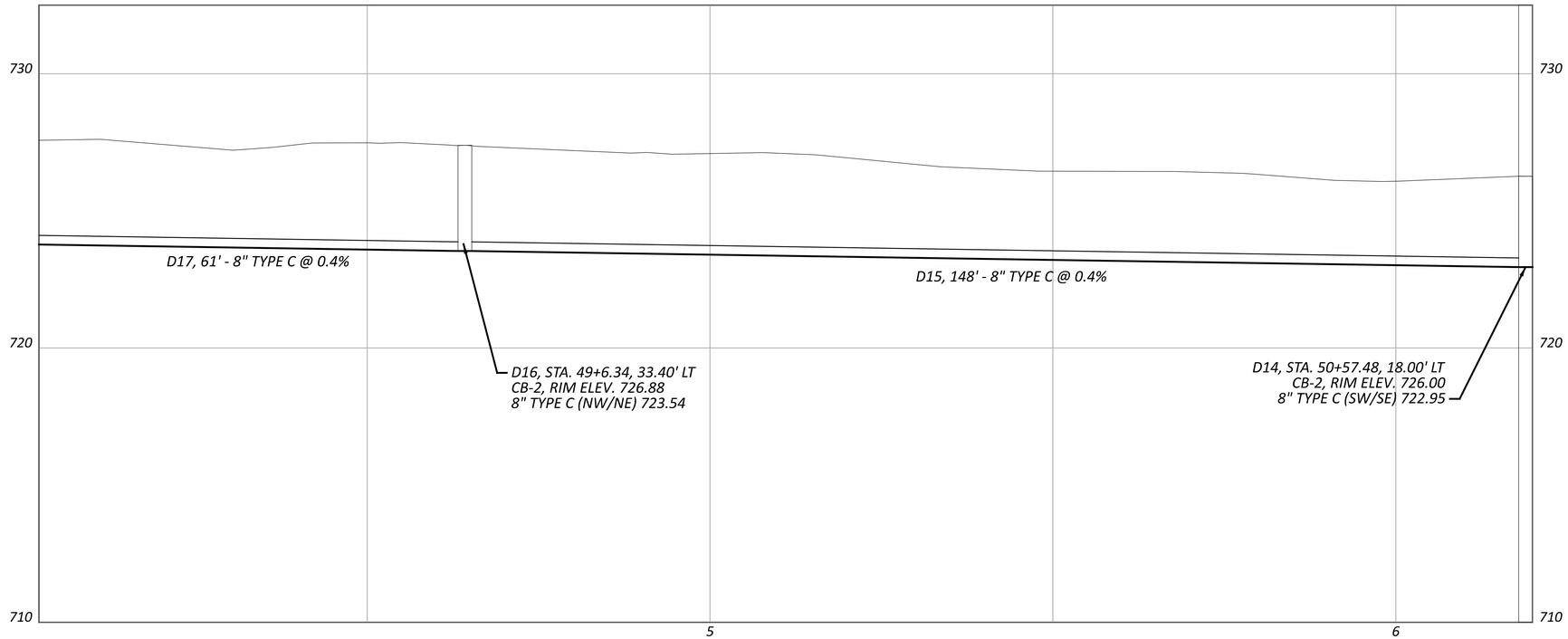
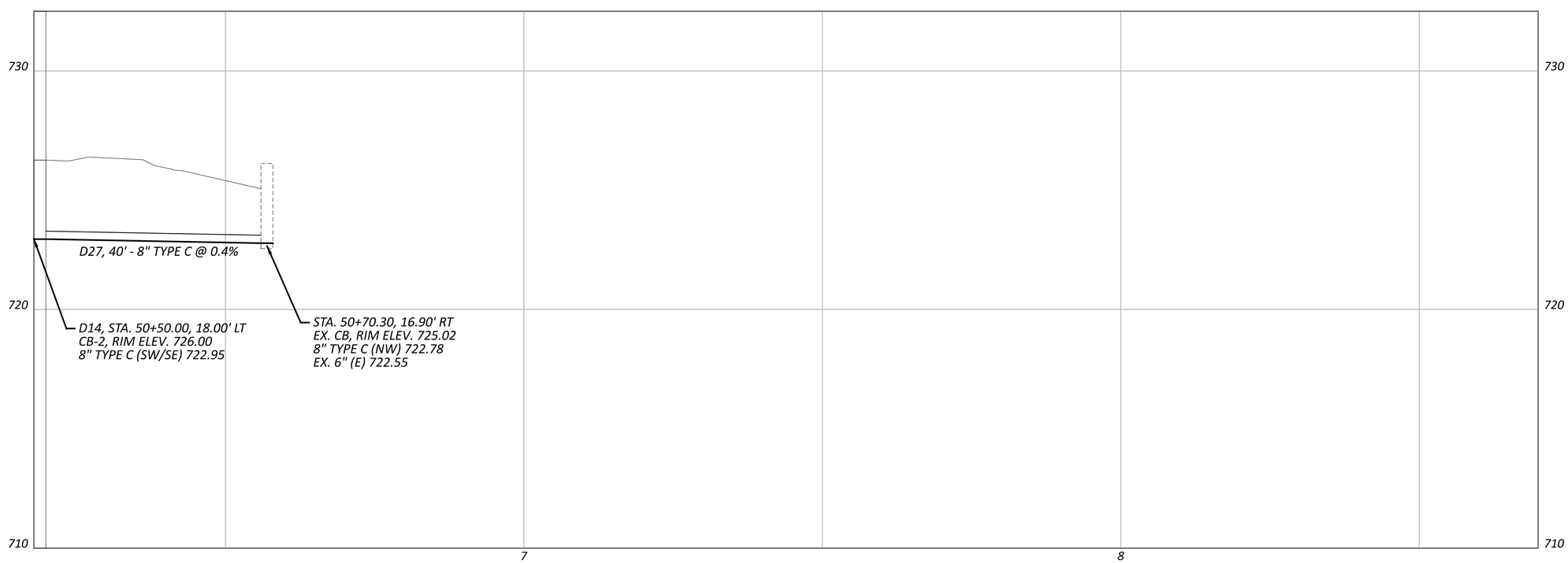
SHEET P.129 TOTAL 144





STORM SEWER PROFILES

PUT-KALIDA PEDESTRIAN LOOP

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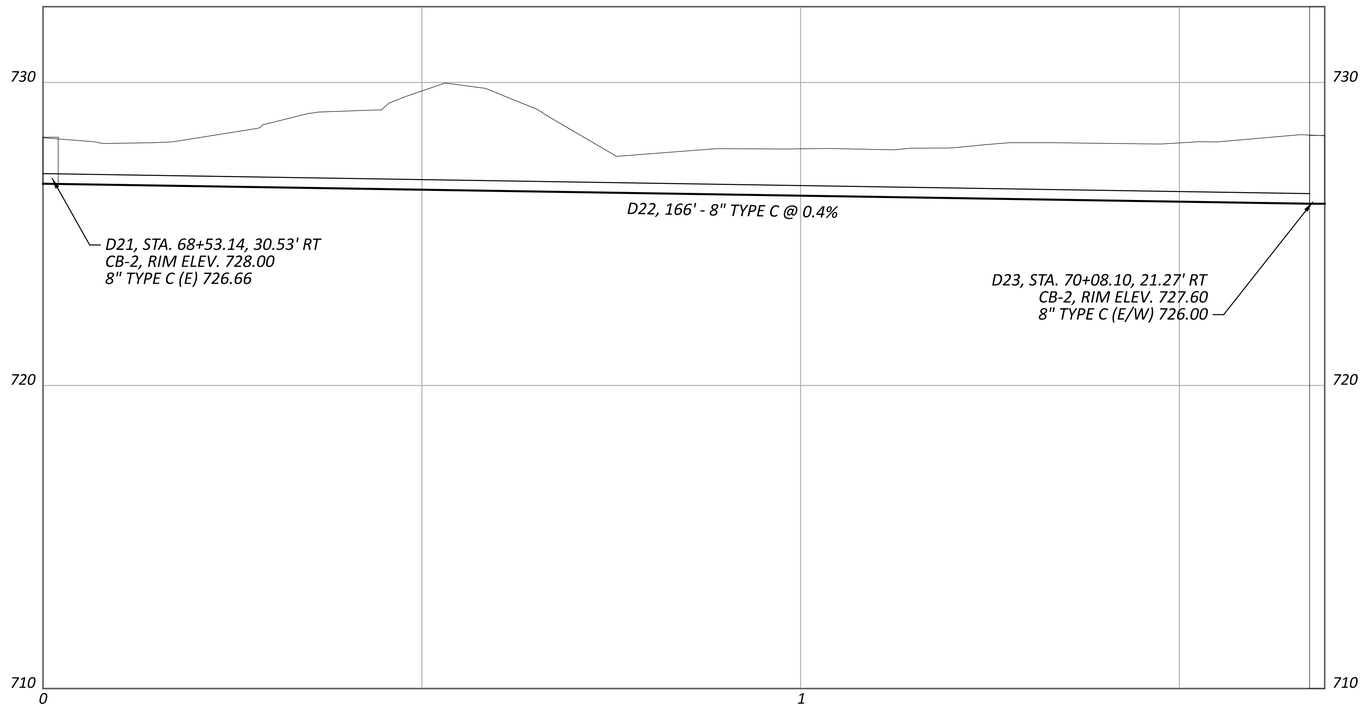
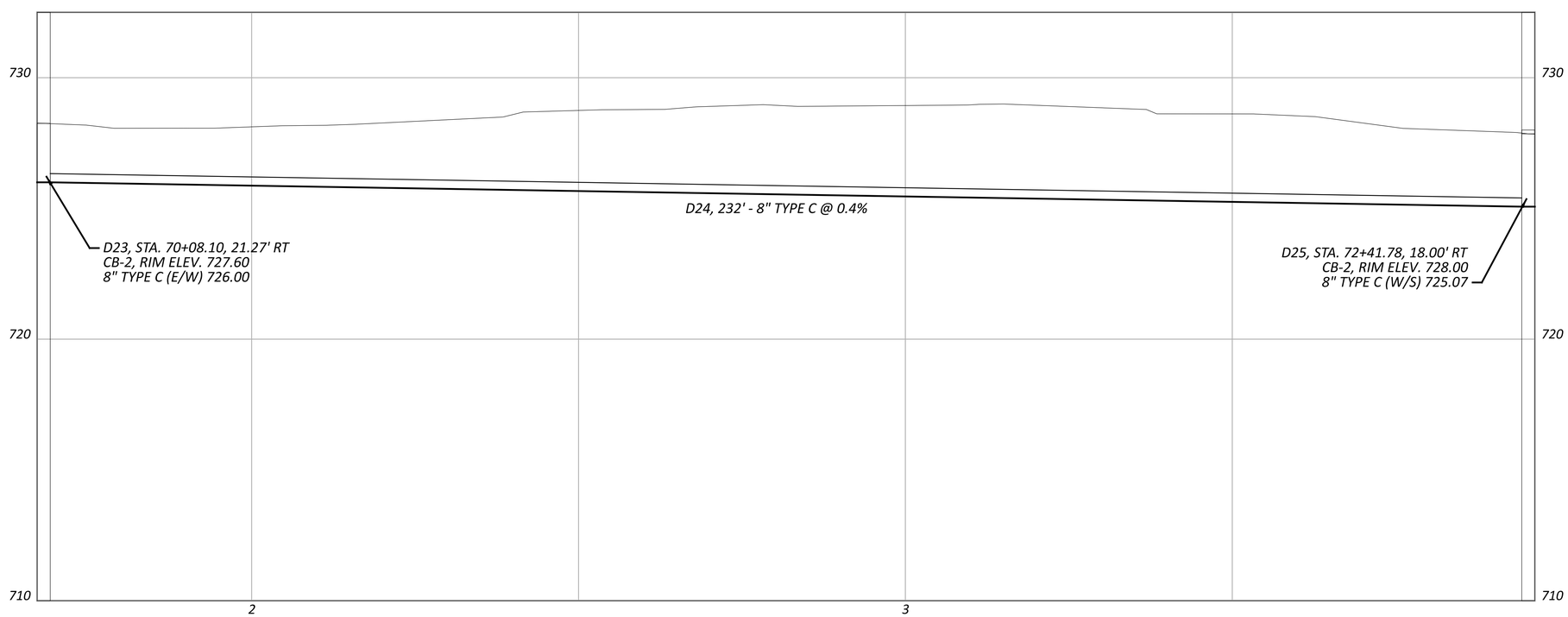
SHEET P.130 TOTAL 144





STORM SEWER PROFILES

PUT-KALIDA PEDESTRIAN LOOP

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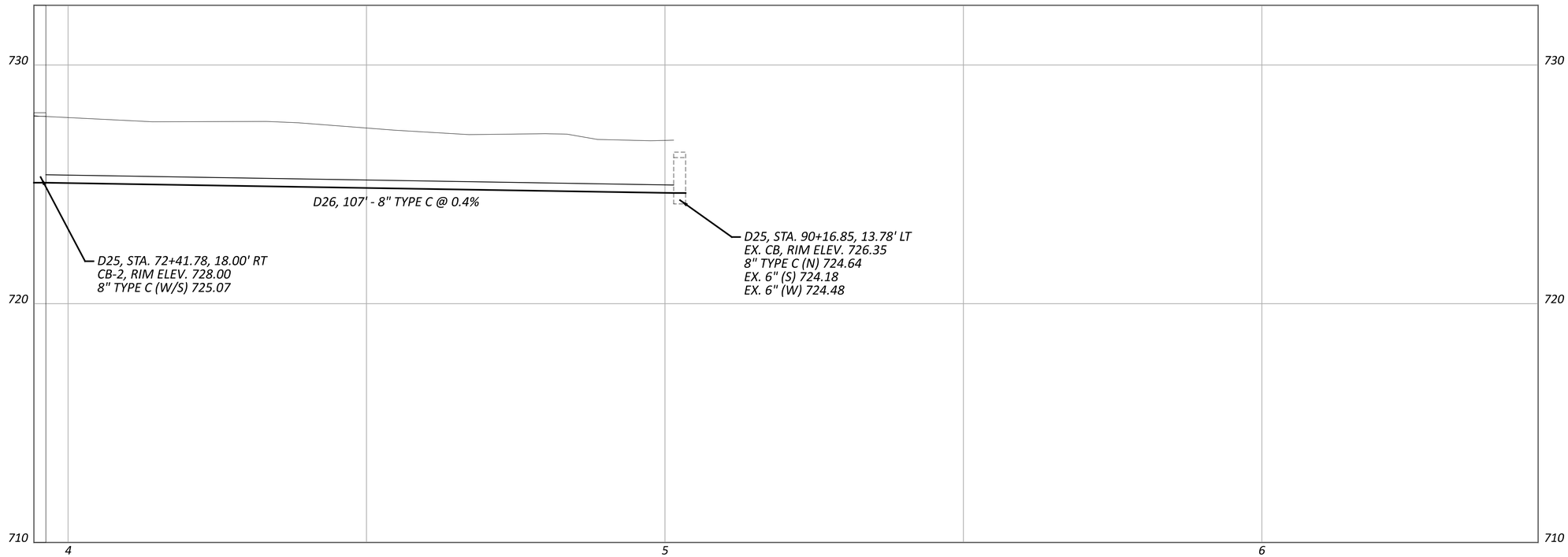
SHEET P.131 TOTAL 144



STORM SEWER PROFILES

PUT-KALIDA PEDESTRIAN LOOP

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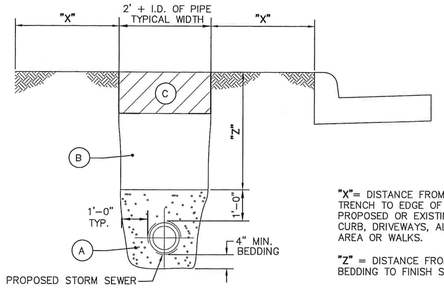
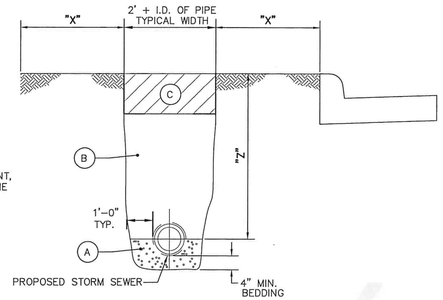


STORM SEWER TRENCH DETAIL

(NON-RIGID PIPE)

"X"= DISTANCE FROM EDGE OF TRENCH TO EDGE OF CLOSEST PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS.

"Z" = DISTANCE FROM TOP OF BEDDING TO FINISH SURFACE.



STORM SEWER TRENCH DETAIL

(RIGID PIPE) RCP OR DUCTILE

TRENCH DETAIL NOTES

A. STRUCTURAL BEDDING SHALL BE CRUSHED STONE OR GRAVEL, ODOT 603 TYPE 3 (#57 OR #67), OR OTHER APPROVED EQUIVALENT.

B. ALL TRENCHES WHERE "X" IS GREATER THAN "Z" FROM PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS CAN BE COMPACTED EXISTING NATIVE MATERIAL IN 12" MAXIMUM LIFTS OR AS APPROVED BY THE VILLAGE. NO MATERIAL SHALL BE USED FOR BACK FILLING THAT CONTAINS STONE, ROCKS, ETC., GREATER THAN 4" DIAMETER.

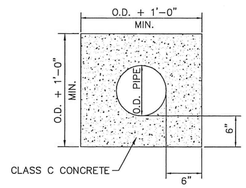
ALL TRENCHES WHERE "Z" IS GREATER THAN "X" FROM PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS SHALL BE COMPACTED WITH STRUCTURAL BACKFILL MATERIAL ODOT 603 TYPE 1 OR TYPE 2, IN 6" MAXIMUM LIFTS OR LOW STRENGTH MORTAR BACKFILL ODOT ITEM 613 TYPE 1 UNTIL THE TOP OF THE COMPACTED STRUCTURAL BACKFILL OR LOW STRENGTH MORTAR BACKFILL IS HIGH ENOUGH WHERE "X" IS GREATER THAN "Z".

A DENSITY TEST ON STRUCTURAL BACKFILL OF 98% OF ASTM D698 STANDARD PROCTOR CURVE MAY BE REQUIRED TO BE PERFORMED BY A COMMERCIAL TESTING LAB SATISFACTORY TO THE VILLAGE.

C. OFF-PAVEMENT AREAS SHALL BE PROVIDED WITH A MINIMUM OF 6" OF TOPSOIL OVER THE COMPACTED MATERIAL AND THEN SEEDED AND MULCHED PER ODOT ITEM 659.

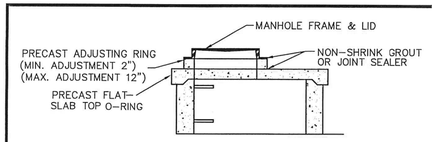
IN-PAVEMENT AREAS SHALL FOLLOW TYPICAL PAVEMENT RESTORATION DETAILS SHOWN ON PAGE 300-19.

D. THE OPEN ENDS OF ALL PIPES SHALL BE PLUGGED TO THE APPROVAL OF THE VILLAGE BEFORE LEAVING THE WORK FOR THE NIGHT.

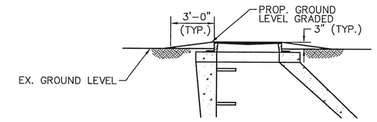


CONCRETE ENCASEMENT DETAIL

VILLAGE OF KALIDA	STORM SEWER TRENCH DETAILS	REVISIONS:	DATE APPROVED: 03-06-06 PAGE No. 600-8



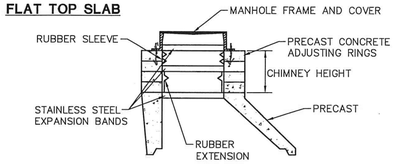
FLAT TOP SLAB



TYPICAL OFF STREET MANHOLE GRADING

NOTES

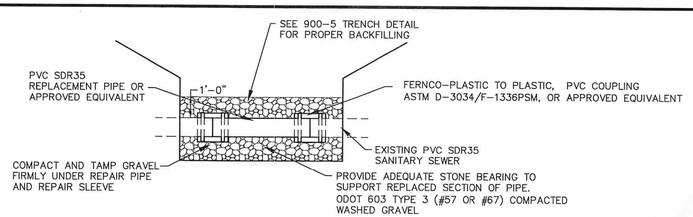
A. MANHOLE STEPS SHALL BE SECURLY INSTALLED INTO EACH MANHOLE SECTION, BY THE MANUFACTURER, PRIOR TO DELIVERY TO THE JOB SITE.
B. MANHOLE STEPS SHALL BE PF-1 STEP BY M.A. INDUSTRIES OR EQUVILENT.



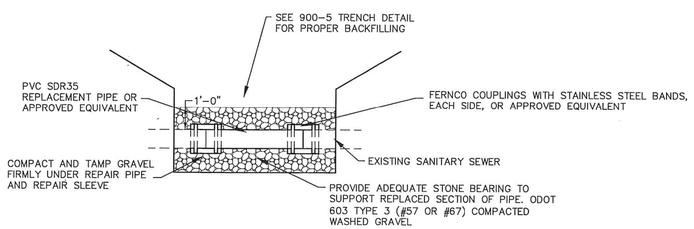
INTERNAL MANHOLE CHIMNEY SEAL

(REQUIRED BY ALL SANITARY APPLICATIONS)

VILLAGE OF KALIDA	MISCELLANEOUS SANITARY MANHOLE DETAILS	REVISIONS:	DATE APPROVED: 03-06-06 PAGE No. 900-4

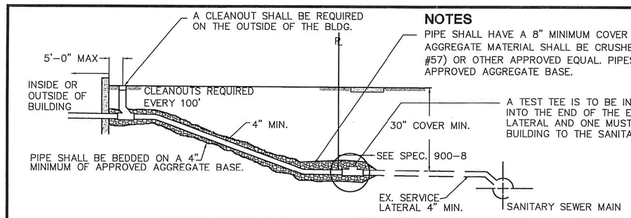


REPAIR OF EXISTING PVC SDR35 SANITARY SEWER



REPAIR OF EXISTING SANITARY SEWER OTHER THAN PVC

VILLAGE OF KALIDA	REPAIR OF EXISTING SANITARY SEWER PIPE DETAIL	REVISIONS:	DATE APPROVED: 03-06-06 PAGE No. 900-6



NOTES

PIPE SHALL HAVE A 8" MINIMUM COVER OF APPROVED AGGREGATE MATERIAL. APPROVED AGGREGATE MATERIAL SHALL BE CRUSHED STONE OR GRAVEL, ODOT 603 TYPE 3 (#67 OR #57) OR OTHER APPROVED EQUAL. PIPES SHALL BE BEDDED ON A 4" MINIMUM OF APPROVED AGGREGATE BASE.

A TEST TEE IS TO BE INSTALLED AT THE PROPERTY LINE. THE TEE SHALL BE INSTALLED INTO THE END OF THE EXISTING SERVICE LATERAL. IF THERE IS NO EXISTING SERVICE LATERAL AND ONE MUST BE INSTALLED, THEN THE TEST SHALL EXTEND FROM THE BUILDING TO THE SANITARY SEWER MAIN, UNLESS OTHERWISE APPROVED.

NOTES

A. SEPTIC TANKS, WHEN ABANDONED, SHALL BE DEWATERED BY AN ACCEPTED SEPTAGE HAULER AND PROPERLY FILLED WITH GRANULAR MATERIAL. DRAIN HOLES SHALL BE BROKEN OUT ON THE BOTTOM AND SIDES OF THE TANK WHEN DIRECTED BY THE VILLAGE.
B. ROOF DOWNSPOUTS, EXTERIOR FOUNDATION DRAINS, AREAWAY DRAINS OR OTHER SURFACE RUNOFF OR GROUNDWATER SHALL NOT BE CONNECTED TO THE SANITARY SEWER MAIN. ALSO SEE MISC. NOTE B.
C. ANY INDIVIDUAL OR FIRM INSTALLING SEWER CONNECTIONS SHALL BE APPROVED BY THE VILLAGE.
D. BEFORE BEGINNING WORK, A SEWER TAP PERMIT MUST BE OBTAINED FROM UTILITY BILLING OFFICE AND APPLICABLE FEES MUST BE PAID.
E. WHEN THE BUILDING CONNECTION MUST ENTER INTO A PAVED PORTION OF THE STREET OR ALLEY, A STREET OPENING PERMIT MUST BE OBTAINED FROM THE VILLAGE ENGINEERING DEPARTMENT BEFORE BEGINNING WORK.
F. WATER SERVICES SHALL BE A MINIMUM OF 10' MEASURED HORIZONTALLY FROM THE SEWER SERVICE AND SHALL BE A MINIMUM OF 18" ABOVE THE CROWN (WHENEVER POSSIBLE) OF THE SANITARY SEWER MAIN WHERE THE WATER SERVICE CROSSES THE SEWER MAIN.

PIPE

A. THE PIPE MATERIAL SHALL BE PVC SDR 35 OR, SCHEDULE 40, UTILIZING PURPLE PRIMER, OR AN APPROVED EQUIVALENT.
B. PIPE SIZES FOR BUILDING CONNECTIONS SHALL BE 4" MINIMUM FOR SINGLE RESIDENCE AND 6" MINIMUM FOR ALL OTHER USES. THE LATERALS SHALL BE RUN TO WITHIN 3' OF THE OUTSIDE OF THE BUILDING.

INSPECTION

A. A TAP INSPECTION SHALL BE REQUIRED ON ALL NEW BUILDING CONNECTIONS AND ALSO ON THE REPLACEMENT OF EXISTING BUILDING CONNECTIONS.
B. WHEN THE BUILDING SEWER IS READY FOR INSPECTION, THE VILLAGE SHALL BE GIVEN 24 HOURS ADVANCE NOTICE. THE PIPE SHALL BE LEFT UNCOVERED UNTIL AN INSPECTION HAS BEEN MADE AND APPROVED.
C. ANY NEW BUILDING CONNECTION INSTALLED WITHOUT AN INSPECTION SHALL RESULT IN NO ISSUANCE OF A WATER METER FOR THE BUILDING. IF THIS OCCURS, THE ENTIRE LATERAL SHALL BE UNCOVERED SO THAT A PROPER INSPECTION CAN BE MADE.
D. NO TAP FEE IS REQUIRED IF AN OLD BUILDING SEWER IS TO BE REUSED. AN INSPECTION WILL BE REQUIRED. THE VILLAGE. SHALL INSPECT THE ENTIRE BUILDING CONNECTION FROM THE CLEANOUT TO THE PROPERTY LINE CONNECTION OR TO THE MAIN SEWER, WHICHEVER IS APPLICABLE.

TESTING

A. THE OUTSIDE PLUMBER SHALL BE RESPONSIBLE FOR THE TESTING FROM THE CONNECTION TO THE EXISTING SERVICE LATERAL TO THE CLEANOUT.

MISC.

A. STREET EXCAVATION REQUIRES A STREET OPENING PERMIT.
B. BASEMENT FLOOR DRAINS AND SUMP PUMPS SHALL BE CONNECTED TO THE SANITARY SEWER, FOUNDATION DRAINS ARE TO BE CONNECTED TO THE STORM SEWER.

PIPE LAYING

A. THE OPEN ENDS OF ALL PIPES SHALL BE PLUGGED OR OTHERWISE CLOSED WITH A WATERTIGHT PLUG TO THE APPROVAL OF THE VILLAGE BEFORE LEAVING THE WORK SITE FOR THE NIGHT.
B. THE JOINING OF PIPE WITH CONCRETE SHALL NOT BE ACCEPTED.
C. BEFORE MAKING A CONNECTION TO AN EXISTING SEWER OR SERVICE LATERAL, THE CONTRACTOR SHALL CHECK THE EXISTING PIPE BY UTILIZING A DYE TEST TO SEE THAT THE EXISTING PIPE IS CONNECTED TO THE SANITARY SEWER MAIN.
D. IN THE CASE WHERE A 90° CORNER IS REQUIRED IN THE BUILDING CONNECTION LINE, TWO 45° BENDS SHALL BE USED IN LIEU OF A 90° BEND.
E. THE BUILDING CONNECTION LINE SHALL BE LAID IN AS STRAIGHT A LINE, FROM THE BUILDING TO THE EXISTING LATERAL, AS POSSIBLE.
F. ALL NEW CONSTRUCTION SHALL HAVE SANITARY LATERALS INSTALLED.
G. MINIMUM SLOPE OF SANITARY LATERAL SHALL BE 1% GRADE (1/8" PER FOOT) MAXIMUM SLOPE (SEE 900-7).

VILLAGE OF KALIDA	BUILDING CONNECTION DETAIL	REVISIONS:	DATE APPROVED: 03-06-06 PAGE No. 900-10

VILLAGE OF KALIDA SEWER NOTES & DETAILS

DESIGN AGENCY
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DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.133 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP
MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 1/13/2026 TIME: 11:02:35 AM USER: kbuss
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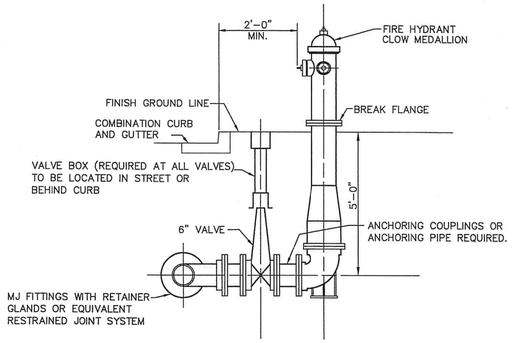
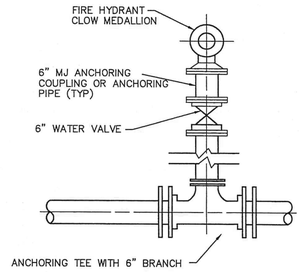
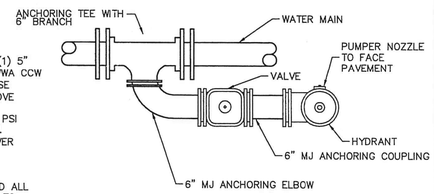


SECTION VIEW



BASIC TEE DETAIL PLAN

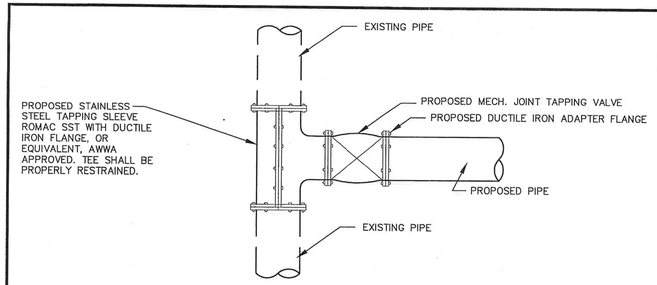


SPECIAL MECHANICAL JOINT HYDRANT TEE DETAIL PLAN

NOTES

A. FIRE HYDRANTS SHALL BE CLOW MEDALLION, MECHANICAL JOINT, WITH (2) 2-1/2" HOSE NOZZLES, (1) 5" INTEGRAL 5" STORZ PUMPER NOZZLE CONNECTION, NATIONAL STANDARDS THREADS CONFORMING TO AWWA CCW TO OPEN, HYDRANT PUMPER NOZZLE SHALL BE OF ONE PIECE DESIGN, COMPATIBLE WITH 5" STORZ HOSE COUPLING. THE NOZZLE SHALL BE AN INTEGRAL PART OF THE FIRE HYDRANT, BREAK FLANGES 3" ABOVE GRADE.
B. GATE VALVES SHALL BE AWWA C-509, RESILIENT WEDGE, NONRISING STEM, MECHANICAL JOINT, 150 PSI WORKING PRESSURE, CCW TO OPEN WITH ARROW INDICATING OPEN DIRECTION, MANUFACTURED BY CLOW.
C. VALVE BOXES SHALL BE 3-PIECE CAST IRON 6" DIAMETER NOMINAL, ADJUSTABLE SCREW TYPE, COVER MARKED "WATER", DOMESTIC MADE ONLY.
D. ALL FITTINGS TO BE RESTRAINED.
E. ALL FITTINGS TO BE AWWA C-153 DUCTILE IRON, COMPACT.
F. ALL VALVES AND HYDRANTS SHALL OPEN LEFT BY TURNING IN A COUNTERCLOCKWISE DIRECTION AND ALL BOLTS AND NUTS TO BE STAINLESS STEEL, INCLUDING HYDRANT-SHOE TO BARREL AND VALVE BONNET TO BODY.
G. CONTRACTOR TO FACE HYDRANT AS REQUIRED BY THE VILLAGE.
H. WATER MAIN SHALL BE PVC-150, DR-18, AWWA C-900 WITH MEGALUG RESTRAINS OR EQUIVALENT.
I. THE LAYING OF PIPE ON EXISTING DIRT WITH THE BELLS CUT OUT, SHALL NOT BE PERMITTED.
J. THE OPEN ENDS OF ALL PIPES AND SPECIAL CASTINGS SHALL BE PLUGGED OR OTHERWISE CLOSED WITH A WATERTIGHT PLUG TO THE APPROVAL OF THE VILLAGE BEFORE LEAVING THE WORK FOR THE NIGHT.

VILLAGE OF KALIDA	FIRE HYDRANT	REVISIONS: 09-07	DATE APPROVED: 03-06-06 PAGE No. 800-1



TAPPING SLEEVE AND VALVE DETAIL

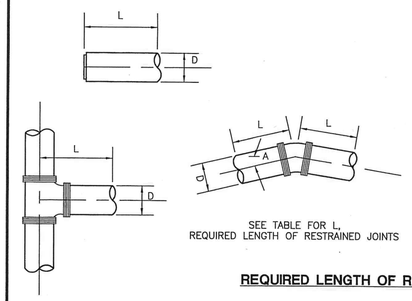
ALL JOINTS TO BE RESTRAINED. MECHANICAL RESTRAINT DEVICES SHALL BE AWWA ACCEPTED.

NOTES

A. BELL JOINT RESTRAINTS – USE FIELD LOCK BY U.S. PIPE OR APPROVED EQUIVALENT.

B. MECHANICAL JOINT RESTRAINTS – EBAA IRON MEGALUG RETAINER GLAND OR EQUIVALENT.

C. CONTRACTOR TO USE RESTRAINED JOINTS UNLESS THRUST BLOCKING IS PREAPPROVED FOR SPECIAL CONDITIONS BY THE VILLAGE PRIOR TO THE BEGINNING OF CONSTRUCTION.



SEE TABLE FOR L, REQUIRED LENGTH OF RESTRAINED JOINTS

REQUIRED LENGTH OF RESTRAINED JOINTS IN FEET								
	D-DIAMETER OF PIPE							
A ~ DEGREE OF DEFLECTION	4"	6"	8"	10"	12"	16"	20"	24"
11 1/4°	*	*	*	*	*	2	3	3
22 1/2°	*	2	3	3	4	5	6	6
45°	3	4	5	6	8	10	12	13
90°	18	25	33	40	47	60	72	85
TEE	18	25	33	40	47	60	72	85
END	18	25	33	40	47	60	72	85

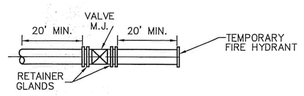
REQUIRED LENGTH OF RESTRAINED JOINTS FOR WATER MAINS

* REQUIRED RESTRAINED JOINT AT FITTING.

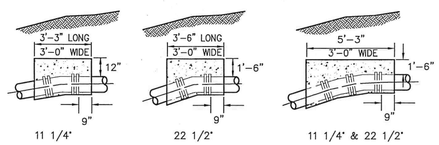
DESIGN PARAMETERS

LAYING CONDITIONS – TYPE 5
SOIL DESIGNATION – SILT
DEPTH OF COVER – 4'
DESIGN PRESSURE – 80 PSI
SAFETY FACTOR – 1.50
BARE PIPE
THIS CHART AND PARAMETERS WILL BE UTILIZED UNLESS APPROVED BY THE UTILITY DIRECTOR.

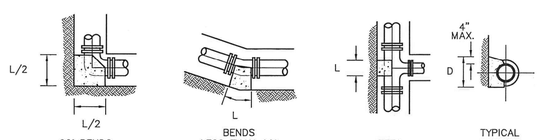
VILLAGE OF KALIDA	RESTRAINING JOINTS AND TAPPING SLEEVE FOR WATER MAINS	REVISIONS:	DATE APPROVED: 03-06-06 PAGE No. 800-2



DETAIL - END OF WATER LINE



CONCRETE BLOCKING FOR VERTICAL BENDS



CONCRETE BLOCKING FOR HORIZONTAL BENDS

BENDS								
SIZE OF PIPE	DEGREE OF BEND							
	11 1/4°		22 1/2°		45°		90°	
	L	D	L	D	L	D	L	D
3", 4", 6"	8"	6"	10"	6"	20"	6"	36"	6"
8"	9"	8"	14"	8"	24"	9"	50"	8"
12"	14"	12"	22"	12"	30"	16"	60"	15"
16"	18"	16"	24"	18"	33"	36"	70"	22"

TEES								
RUN	BRANCH							
	3",4",6"		8"		12"		16"	
	L	D	L	D	L	D	L	D
3", 4", 6"	16"	6"						
8"	14"	8"	18"	12"				
12"	9"	12"	18"	12"	24"	18"		
16"	8"	16"	14"	16"	28"	18"	30"	26"

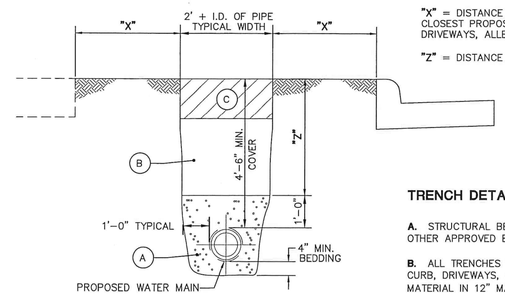
NOTES

A. CARE SHALL BE TAKEN TO KEEP CONCRETE AWAY FROM MECHANICAL JOINTS BY PLACING VISQUEEN OR OTHER APPROVED MATERIAL OVER PIPE BEFORE PLACING OF CONCRETE. BOLTS SHALL NOT BE ENCASED IN CONCRETE.

B. CONCRETE FOR BLOCKING VALVES AND FITTINGS SHALL CONFORM TO SECTION ODOT 499 CLASS C.

C. CONTRACTOR SHALL USE THE THRUST BLOCKS AS SHOWN ONLY IF PREAPPROVED FOR SPECIAL CONDITION BY THE VILLAGE PRIOR TO BEGINNING CONSTRUCTION AND IT IS DISCOURAGED.

VILLAGE OF KALIDA	CONCRETE BLOCKING FOR WATER MAINS	REVISIONS:	DATE APPROVED: 03-06-06 PAGE No. 800-3



WATER MAIN TRENCH DETAIL

"X" = DISTANCE FROM EDGE OF TRENCH TO EDGE OF CLOSEST PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS.

"Z" = DISTANCE FROM TOP OF BEDDING TO FINISH SURFACE.

WATER MAIN CROSSING SEPARATION

WHENEVER A SANITARY SEWER AND WATER LINE MUST CROSS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER LINE. IF IT IS ABSOLUTELY IMPOSSIBLE TO MAINTAIN THE 18-INCH VERTICAL SEPARATION, THE SANITARY SEWER SHALL BE CONSTRUCTED WITH WATER LINE TYPE MATERIALS WHICH WILL WITHSTAND A 50 PSI PRESSURE TEST. THESE REQUIREMENTS WILL EXTEND FOR A DISTANCE OF 10 FEET, MEASURED PERPENDICULAR, ON BOTH SIDES OF THE WATER LINE.

AT CROSSINGS, THE WATER MAIN SHALL HAVE A MINIMUM VERTICAL DISTANCE OF 18-INCHES FROM STORM AND SANITARY SEWERS. ALSO ONE FULL LENGTH OF WATER MAIN SHALL BE LOCATED SO THE JOINTS ARE AS FAR FROM THE STORM SANITARY SEWERS AS POSSIBLE.

TRENCH DETAIL NOTES

A. STRUCTURAL BEDDING SHALL BE WASHED GRAVEL, ODOT 603 TYPE 3 (#57 OR #67), OR OTHER APPROVED EQUIVALENT.

B. ALL TRENCHES WHERE "X" IS GREATER THAN "Z" FROM PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS CAN BE COMPACTED EXISTING NATIVE MATERIAL IN 12" MAXIMUM LIFTS OR AS APPROVED BY THE VILLAGE. NO MATERIAL SHALL BE USED FOR BACKFILLING THAT CONTAINS STONES, ROCKS, PAVEMENT ETC., GREATER THAN 4" DIAMETER.

ALL TRENCHES WHERE "Z" IS GREATER THAN "X" FROM PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS SHALL BE COMPACTED WITH STRUCTURAL BACKFILL MATERIAL ODOT 603 TYPE 1 OR TYPE 2, IN 6" MAXIMUM LIFTS OR LOW STRENGTH MORTAR BACKFILL ODOT ITEM 613 TYPE 1 UNTIL THE TOP OF THE COMPACTED STRUCTURAL BACKFILL OR LOW STRENGTH MORTAR BACKFILL IS HIGH ENOUGH WHERE "X" IS GREATER THAN "Z".

A DENSITY TEST (12" IN PAVEMENT, 24" OFF PAVEMENT) ON STRUCTURAL BACKFILL OF 98% OF ASTM D698 STANDARD PROCTOR CURVE MAY BE REQUIRED TO BE PERFORMED BY A COMMERCIAL TESTING LAB SATISFACTORY TO THE VILLAGE. ALSO ALTERNATE COMPACTION USEAGE OF WATER JETTING PROBING EVERY 2 FEET WITHIN THE TRENCH WILL BE ACCEPTABLE WITH PROPER APPROVAL.

C. OFF-PAVEMENT AREAS SHALL BE PROVIDED WITH A MINIMUM OF 6" OF TOPSOIL OVER THE COMPACTED MATERIAL AND THEN SEEDED AND MULCHED PER ODOT ITEM 659.

IN-PAVEMENT AREAS SHALL FOLLOW TYPICAL PAVEMENT RESTORATION DETAILS SHOWN ON PAGE 300-18.

D. THE OPEN ENDS OF ALL PIPES SHALL BE PLUGGED TO THE APPROVAL OF THE VILLAGE BEFORE LEAVING THE WORK FOR THE NIGHT.

VILLAGE OF KALIDA	WATER MAIN TRENCH DETAIL	REVISIONS:	DATE APPROVED: 03-06-06 PAGE No. 800-4

VILLAGE OF KALIDA WATER NOTES & DETAILS

DESIGN AGENCY
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DESIGNER KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SHEET P.134 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

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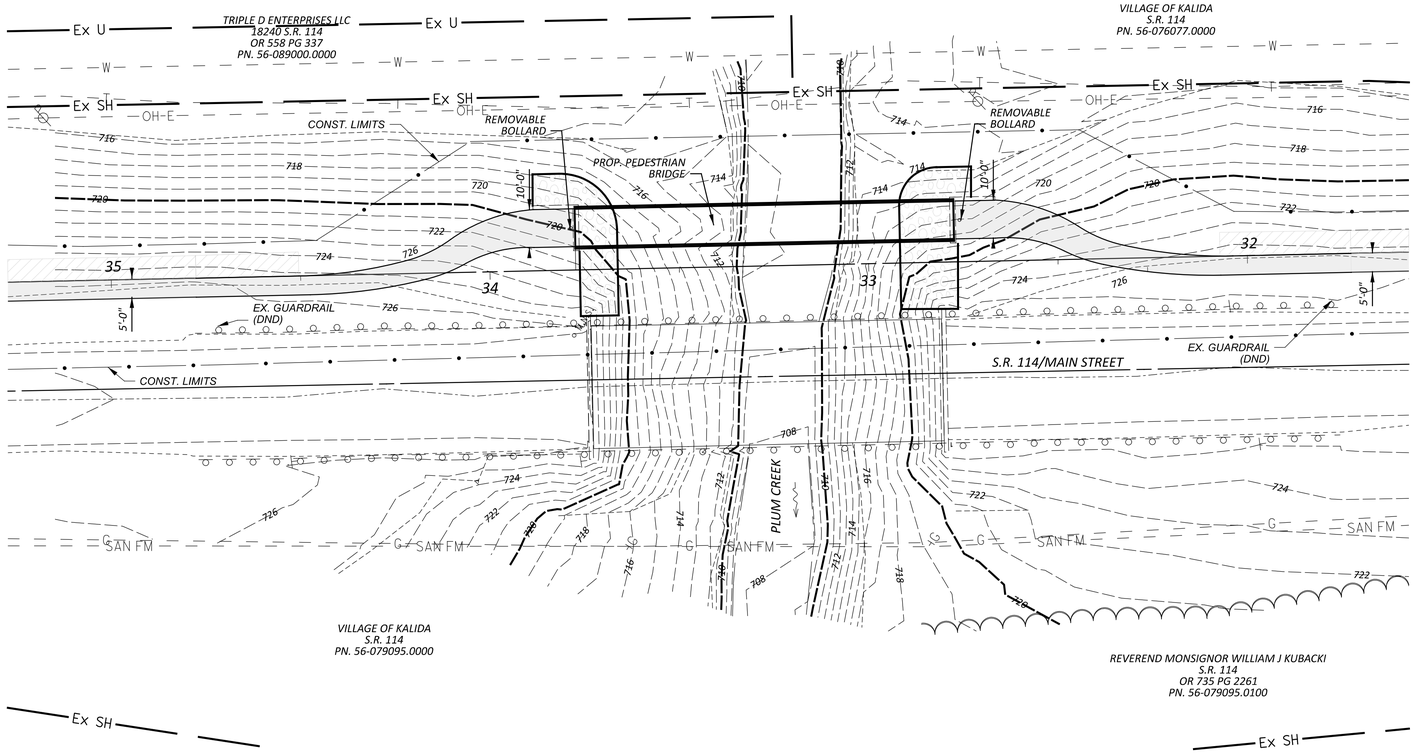


HYDRAULIC DATA:

DRAINAGE AREA =
Q(10) = 1,920 CFS V(10) = 2.02 FPS
Q(100) = 3,170 CFS V(100) = 3.28 FPS

PROPOSED STRUCTURE

TYPE: STEEL TRUSS PEDESTRIAN BRIDGE W/ CIP CONCRETE DECK ON STEEL PILES AND CAPPED PILE PEIRS

SPANS: 100'-0"

ROADWAY: 10'-0"

LOADING: 90 PSF UNIFORM LIVE LOAD & 10,000 LB VEHICLE LOAD

SKEW: 0°

WEARING SURFACE: CAST-IN-PLACE CONCRETE

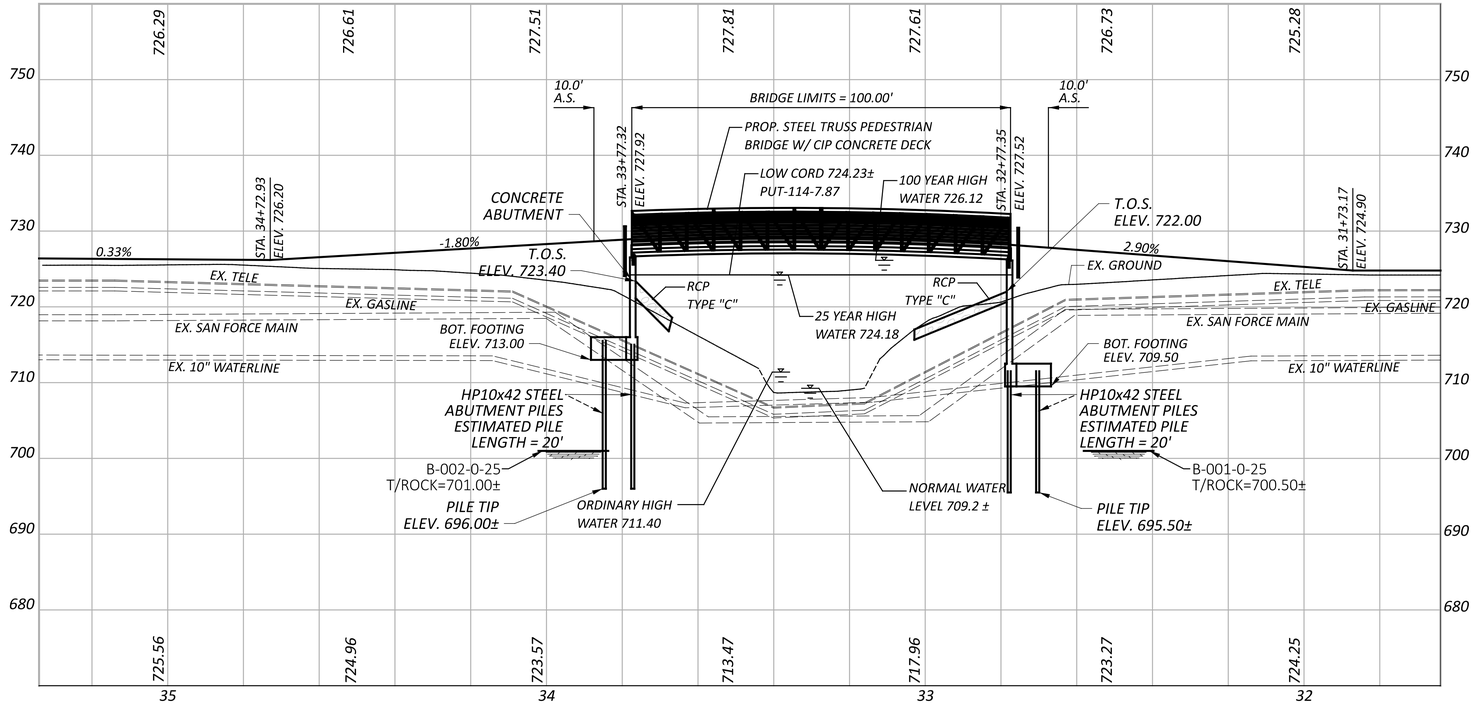
APPROACH SLABS: 10' x 10' CONCRETE (6" THICK)

ALIGNMENT: TANGENT

CROWN: 0.016 MAX

DECK AREA: 1000 SF

COORDINATES: LATITUDE 40° 59' 12.50"
LONGITUDE -84° 12' 32.35"



NOTE: NO WORK TO BE DONE BELOW ORDINARY HIGH WATER MARK (OHWM).

NOTE: LOW CORD 724.23± PER TOPO FIELD WORK PUT-114-7.87

NOTE: 10 YEAR HIGHWATER 724.75 OTHER HYDRAULIC INFORMATION PER BRIDGE PLANS 1955

SITE PLAN
KALIDA PEDESTRIAN BRIDGE

PUT-KALIDA PEDESTRIAN LOOP

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DESIGNER	CRS/KMB
REVIEWER	GAB 2-2-26
PROJECT ID	121886
SUBSET	1
TOTAL	7
SHEET	135
TOTAL	144

ESTIMATED QUANTITIES

ITEM	EXT.	TOTAL	UNIT	DESCRIPTION	ABUTMENTS	FOOTINGS	SUPER	GENERAL	SEE SHT.
503	11100	1	LS	COFFERDAMS AND EXCAVATION BRACING				LS	
503	21301	1	LS	UNCLASSIFIED EXCAVATION, AS PER PLAN		1			
507	00101	150	FT	STEEL PILES HP 10X42, FURNISHED, AS PER PLAN	150				
507	92201	93	FT	PREBORED HOLES, AS PER PLAN	120				
509	10001	5,219	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	1,916	1,274	2,029		
511	46510	18	CY	CLASS QC1 CONCRETE, FOOTING		18			
511	44110	34	CY	CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING	34				
511	32210	19	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE			19		
512	10100	35	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHENE)	35				
513	95020	1	LS	STEEL STRUCTURE, MISC: WEATHERING STEEL PREFABRICATED PEDESTRIAN BRIDGE INCLUDING ANCHORS (INCLUDES STAMPED ENGINEERING PLANS) INCLUDES ERECTION			1		
516	10000	22	FT	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL (705.11)	22				
516	13600	2	SF	1" PREFORMED EXPANSIOIN JOINT FILLER	2				
517	76302	2	EA	RAILING, MISC.: SAFETY HANDRAIL ON RETURN WINGWALL, AS PER PLAN	2				
518	39800	46	LF	4" PERFORATED CORRUGATED PLASTIC PIPE	46				
518	39900	30	LF	4" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	30				
518	21230	1	LS	POROUS BACKFILL WITH GEOTEXTILE FABRIC	LS				
608	13001	210	SF	6" WALK INCLUDING BACKWALL, AS PER PLAN				210	
690	50610	2	EA	SPECIAL - BOLLARD, HINGED, AS PER PLAN				2	
690	98000	2	EA	SPECIAL - STAINLESS STEEL DRIP EDGE ON ABUTMENTS, AS PER PLAN	2				
690	12160	1	LS	SPECIAL - TESTING				LS	

BRIDGE NOTES:

1. DESIGN STRESSES ARE IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" & "GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES" BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) 2025.

2. 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).

3. CONCRETE DECK: GALVANIZED FORM DECK SUPPLIED BY BRIDGE MANUFACTURE, CONCRETE, REINFORCING, AND EXPANSION MATERIAL SUPPLIED BY OTHERS.

4. THE GAS METAL ARC WELDING PROCESS OR FLUX CORED ARC WELDING PROCESS WILL BE USED. WELDING TO BE IN ACCORDANCE WITH AWS D1.1.

5. ALL TOP AND BOTTOM CHORD SHOP SPLICES TO BE COMPLETE PENETRATION TYPE WELDS. WELD BETWEEN TOP CHORD AND END VERTICAL SHALL BE AS DETAILED.

6. 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 VERTICAL, DIAGONALS, AND FLOOR BEAMS SHALL BE WELDED ALL AROUND.
   B. BRACE DIAGONALS WILL BE WELDED ALL AROUND.
   C. MISCELLANEOUS NON-STRUCTURAL MEMBERS WILL BE STICH WELDED TO THEIR SUPPORTING MEMBERS.

7. 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 10,000 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 10'-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 TRANVERSE BRIDGE WIDTH (AASHTO 3.15.3).

8. MINIMUM MATERIAL THICKNESS OF 1/4" ON ALL STRUCTURAL MEMBERS.

GENERAL STRUCTURAL NOTES:

SPECIFICATIONS:
DESIGN STANDARD: AASHTO LRFD GUIDE SPECIFICATION FOR DESIGN OF PEDESTRIAN BRIDGES (2025) AND AISC MANUAL OF STEEL CONSTRUCTION, 16TH EDITION.

DESIGN LOADS:
A. UNIFORM LIVE LOAD: 90 PSF (REDUCIBE TO 90 PSF)
B. VEHICLE LOAD: H-5 (10,000 LBS)
C. WIND 35 PSF ON FUL TRUSS PROFILE & 20 PSF UPLIFT ON THE BOTTOM OF BRIDGE APPLIED AT THE WINDWARD QUARTER POINT OF DECK WIDTH.

GENERAL STRUCTURAL NOTES (CONT.):

STRUCTURAL STEEL:
A. ALL STEEL SHALL BE HIGH STRENGTH LOW ALLOY (Fy = 50,000 PSI), SELF-WEATHERING AND ATMOSPHERIC CORROSION RESISTANT.
   i. ALL STRUCTURAL STEEL TUBE SHAPED SHALL CONFORM TO ASTM A847
   ii. ALL OTHER STEEL SHAPES AND PLATES SHALL CONFORM TO A588
   iii. ALL BOLTS SHALL CONFORM TO ASTM A325 TYPE 3, U.N.O. TIGHTENED TO TURN OF NUT CONDITION AS DEFINED IN AISC, U.N.O. ANCHOR BOLTS, CARRIAGE BOLTS, AND ALL WASHERS AND NUTS SHALL BE HOT DIPPED GALVANIZED. ANCHOR BOLTS SHALL BEGRADE F1554-GR. 36, GALVANIZED, PROVIDED BY OTHERS.
B. STURCTURAL STEEL SHALL BE DESIGNED, DETAILED, AND FABRICATED ACCORDING TO THE LATEST PROVISIONS OF ASSHTO STANDAR5D SPECIFICATIONS FOR HIGHWAY BRIDGES AND ASSHTO GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES.
C. ALL STEEL SURFACES SHALL BE CLEANED IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL STANDARD SSPC SP7.

WELDED CONNECTIONS:
A. ALL STRUCTURAL STEEL WELDS SHALL CONFORM TO THE LATEST PROVISIONS OF THE STRUCTURAL WELDING CODE ANSI/AWS D1.1.
B. ALL WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH THE ABOVE AWS CODE.
C. WELDING SHALL BE ELECTRIC ARC PROCESS USING SMAW AND/OR FCAW.
D. ALL WELDED CONNECTIONS ARE PRE-QUALIFIED JOINTS PER AWS CODE UNLESS
OTHERWISE DETAILED.
E. ALL WELDS OF TUBE SHAPES SHALL ASSURE A HERMETIC CONNECTION.
F. MINIMUM FILLER METAL STRENGTH SHALL BE Fy = 70 KSI AND MINIMUM FILLET WELD SIZE SHALL BE 1/4" UNLESS NOTED ON PLANS. REFER TO AISC MANUAL SECTION J2 FOR OTHER MINIMUM REQUIREMENTS.

FOUNDATION:
A. ABUTMENT DESIGN IS PROVIDED FOR BIDDING PURPOSES BASED OFF ASSUMED BRIDGE REACTIONS AND ASSUMED BRIDGE GEOMETRY. AFTER A BRIDGE MANUFACTURER IS SELECTED, THE BRIDGE SUBMITTAL, DESIGN CALCS AND FINAL LOAD REACTIONS ARE TO BE SUBMITTED TO ODOT FOR APPROVAL. THE FINAL LOAD REACTIONS AND BRIDGE GEOMETRY WILL THEN BE CHECKED WITH THE ABUTMENT DESIGN, AND ANY NEEDED MODIFICATIONS WILL BE MADE, REVISED PLANS PROVIDED TO THE CONTRACTOR, AND PAY QUANTITIES ADJUSTED ACCORDINGLY.

CONCRETE TOPPING:
CONCRETE DECK SHALL BE NORMAL-WEIGHT CONCRETE AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI WITH TYPE IL CEMENT. CONTROL JOINTS MAY BE TOOLED OVER EVERY OTHER FLOOR BEAM. REINFORCING STEEL SHALL CONFROM TO ASTM A615 GR. 60. REINFORCEMENT IS NOT PERMITTED TO BE WELDED.

DESIGN & FABRICATION:
EXCEL BRIDGE MANUFACTURING COMPANY (OR APPROVED EQUAL) IS AN AISC CERTIFIED FABRICATOR WITH SOPHISTICATED PAINT ENDORSEMENT. EXCEL BRIDGE MANUFACTURING COMPANY IS ALSO CERTIFIED FOR HIGH STRENGTH FABRICATION UNDER THE CITY OF LOS ANGELES LICENSE #1582. INSPECTION SHALL BE PROVIDED BY EXCEL BRIDGE MANUFACTURING COMPANY'S QUALITY PROGRAM TO INCLUDE: REVIEW OF SHOP DRAWINGS, WELDING PROCEDURES, WELDER QUALIFICATIONS, VERIFICATION OF BRIDGE DIMENSIONS

GENERAL STRUCTURAL NOTES (CONT.):

AND GEOMETRY, AND VISUAL INSPECTION OF WELDS. EXCEL BRIDGE MANUFACTURING COMPANY IS RESPONSIBLE FOR DELIVER OF THE FABRICATED BRIDGE TO THE JOBSITE ONLY. UNLOADING, ERECTION, AND JOBSITE SAFETY ARE THE RESPONSIBILITY OF OTHERS.

BRIDGE REACTIONS (UNFACTORED):
MAXIMUM REACTIONS IN KIPS PER BASE PLATE - (4 PER BRIDGE UNLES NOTED):

DEAD LOAD:	20.0 KIPS VERTICAL
PEDESTRIAN LOAD:	18.0 KIPS VERTICAL
VEHICLE LOAD:	4.9 KIPS VERTICAL
WIND LOAD:	6.2 KIPS HORIZONTAL
	10.7 KIPS VERTICAL LIFT
	2.9 KIPS VERTICAL DOWN
	5.8 KIPS LONGITUDINAL

BRIDGE LIFTING WEIGHT: 28,500 LBS ASSEMBLED W/O CONCRETE TOPPING

UNIFORM LIVE LOAD DEFLECTION: L/900

FUNDAMENTAL FREQUENCY: 2.8 HZ (VERTICAL)
2.1 HZ (HORIZONTAL)

NOTE: THE ABOVE LOADS AND REACTIONS ARE ASSUMED AND WILL NEED ADJUSTED TO THE ACTUAL LOADS AND REACTIONS PROVIDED BY THE SELECTED BRIDGE MANUFACTURER.

SHIPPING NOTES:
1. BRIDGES WILL BE SHIPPED ON OVER-THE-ROAD TRUCKS. TRUCK MUST BE UNLOADED AS CLOSE AS POSSIBLE TO PAVED STREETS OR ROADS.
2. PURCHASER IS RESPONSIBLE FOR COORDINATION AND SUPPLYING UNLOADING CRANES, SUPPORT DUNNAGE, AND OTHER NECESSARY ITEMS.
3. STANDARD UNLOADING TIME IS 2 HOURS PER TRUCK. PURCHASER WILL BE RESPONSIBLE FOR ALL STANDBY TIME AND TIME OVER 2 HOURS, REQUIRED BY UNLOADING.

ITEM 507, PREBORED HOLES, AS PER PLAN:

PREBORED HOLES SHALL EXTEND AT LEAST FIVE (5) FEET INTO BEDROCK AT EACH PILE. THE DIAMETER OF THE PREBORED HOLES SHALL BE A MINIMUM OF 2 INCHES LARGER THAN THE DIAGONAL DIMENSION OF THE PILE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AN OPEN HOLE.

THE PREBORED HOLES SHALL BE CLEAN AND FREE OF ALL DELETERIOUS MATERIALS PRIOR TO BACKFILLING OPERATIONS. BACKFILL THE VOID BETWEEN THE PILE AND THE PREBORED HOLE WITH CLASS QC MISC. OR CLASS QC1 CONCRETE UP THE BOTTOM OF THE FOOTING ELEVATION. IF THE CONTRACTOR DETERMINES THAT DEWATERING IS NOT PRACTICAL OR PLACEMENT BY FREE FALL METHOD CANNOT BE ACCOMPLISHED, PLACE THE CONCRETE USING A TREMIE OR CONCRETE PUMP.

PAYMENT FOR DRILLING AND BACKFILLING SHALL BE MADE AT THE UNIT PRICE BID PER FOOT FOR ITEM 507, PREBORED HOLES, AS PER PLAN AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

ABBREVIATION LIST:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE BRIDGE PLANS.

ABUT.	ABUTMENT
A.S.	APPROACH SLAB
BM	BENCHMARK
BOT.	BOTTOM
BRG.	BEARING
BTA	BRIDGE TERMINAL ASSEMBLY
C.I.P	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT
CPP	CORRUGATED PLASTIC PIPE
C/C	CENTER TO CENTER
CLR.	CLEARANCE
CONST.	CONSTRUCTION
DIA.	DIAMETER
DL	DEAL LOAD
DWG.	DRAWING
EB	EASTBOUND
E.F.	EACH FACE
EL. OR ELEV.	ELEVATION
EQ.	EQUAL
EX. OR EXIST.	EXISTING
EXP.	EXPANSION
FF	FAR FACE
F/F	FACE TO FACE
FA	FORWARD ABUTMENT
FIX.	FIXED
FTG.	FOOTING
FWD.	FORWARD
GFRP	GLASS FIBER REINFORCED POLYMER
JT.	JOINT
LT.	LEFT
MAX.	MAXIMUM
MIN.	MINIMUM
NF	NEAR FACE
NB	NORTHBOUND
O/O	OUT TO OUT
PEJF	PERFORMED EXPANSION JOINT FILLER
PG	PROFILE GRADE
PMAEJS	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM
PROP.	PROPOSED
R.C.	REINFORCED CONCRETE
R.C.P.	ROCK CHANNEL PROTECTION
RA	REAR ABUTMENT
REF.	REFERENCE
REINF.	REINFORCING
REQ.	REQUIRED
RT.	RIGHT
SB	SOUTHBOUND
SER.	SERIES
SPA.	SPACE(S) OR SPACING
STA.	STATION
T/T	TOE TO TOE
T/S	TOP OF SLOPE
TYP.	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAR.	VARIES
VC	VERTICAL CURVE
WB	WESTBOUND
W/	WITH

ITEM 509, EPOXY COATED REINFORCING STEEL, AS PER PLAN:

IN ADDITION TO THE PROVISIONS OF ITEM 509, FIELD BEND AND/OR FIELD CUT THE REINFORCING STEEL DESIGNATED IN THE PLANS, AS NECESSARY, IN ORDER TO MAINTAIN THE REQUIRED CLEARANCES AND BAR SPACINGS. REPAIR ALL DAMAGE TO THE EPOXY COATING, AS A RESULT OF THIS WORK, ACCORDING TO C&MS 709.00.

ITEM 503, UNCLASSIFIED EXCAVATION, AS PER PLAN:

EXISTING UTILITIES LOCATED WITHIN EXCAVATION LIMITS SHALL BE PROTECTED AND CARE SHALL BE TAKEN TO NOT DAMAGE EXISTING UTILITIES BURDING EXCAVATION OPERATIONS.

PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 502 - UNCLASSIFIED EXCAVATION, AS PER PLAN.

ITEM 690, BOLLARD, HINGED, AS PER PLAN:

HINGED BOLLARDS TO BE NO. 2190-RH TIMBERFORM REMOVABLE BOLLARD WITH HASP/HOLE COVER, OR APPROVED EQUAL.

GENERAL NOTES AND ESTIMATED QUANTITIES
KALIDA PEDESTRIAN BRIDGE

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER CRS/KMB
REVIEWER GAB 2-2-26
PROJECT ID 121886
SUBSET 2 TOTAL 7
SHEET 136 TOTAL 144

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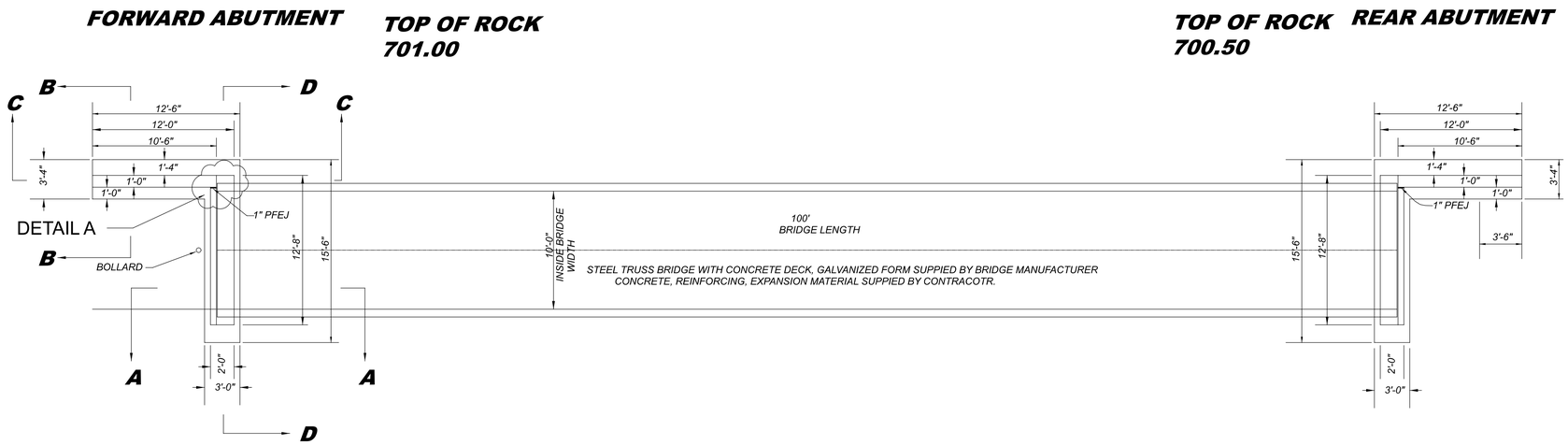

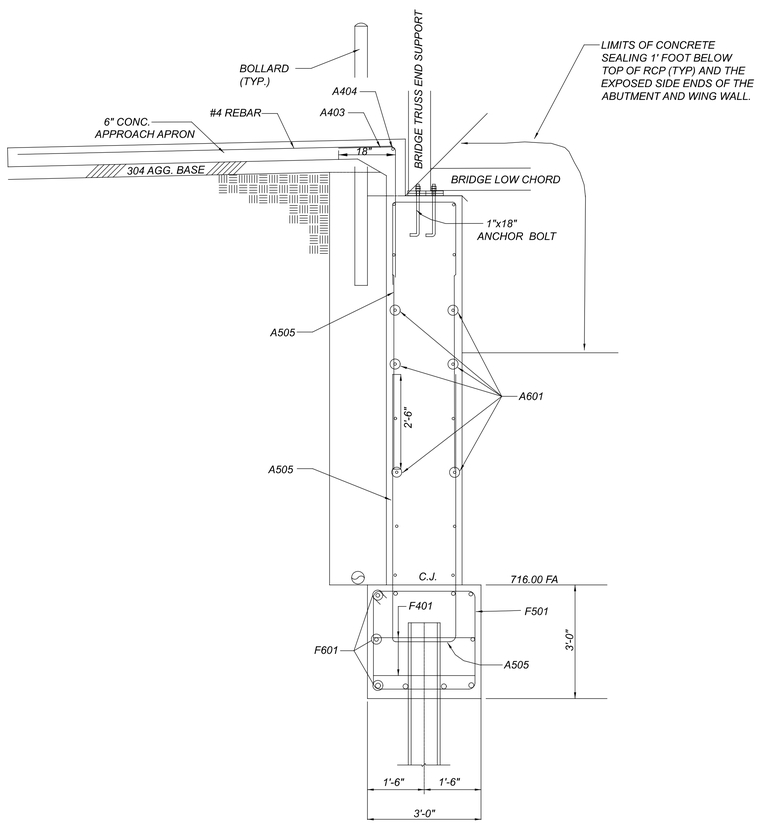

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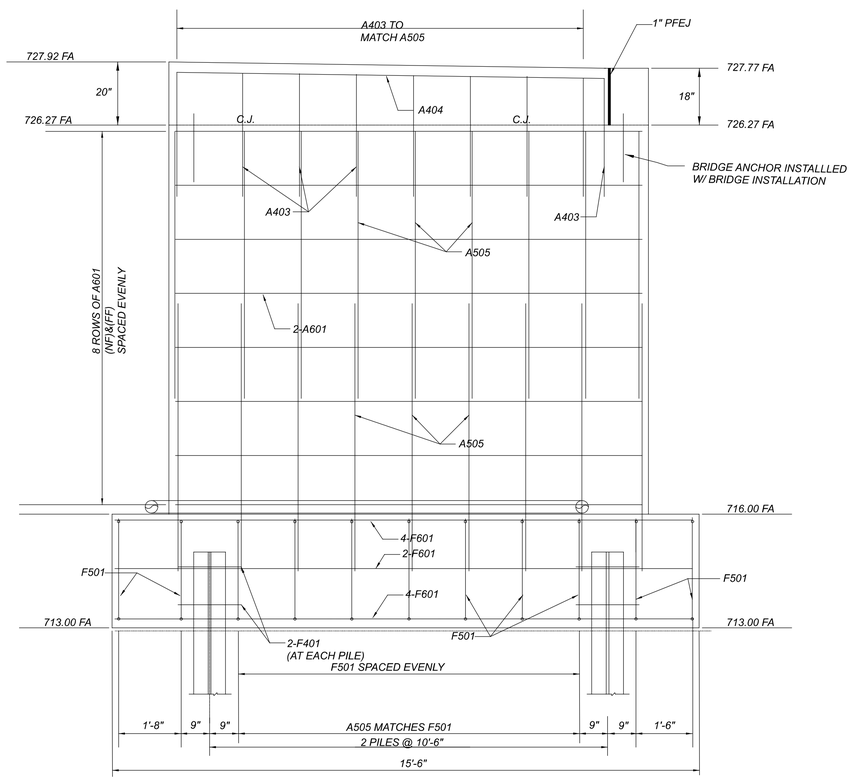

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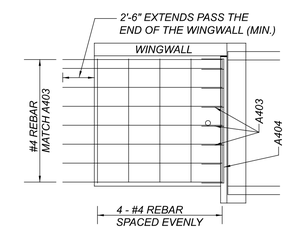

6" WALK, AS PER PLAN: LAYOUT

6" WALK, AS PER PLAN:

1. CLASS QC1 SHALL BE USED.

2. NUMBER 4 REBAR SHALL BE USED. NON-EPOXY REBAR MAY BE USED. LONGITUDINAL BARS SHALL MATCH THE A403 REBAR FROM THE BRIDGE. FOUR (4) TRANSVERSE REBAR SHALL BE USED IN THE TEN (10) FEET OFF THE BRIDGE.

3. MAINTAIN 2 1/2" REBAR CLEARANCE TO FINISHED SURFACE.

4. USE 4" OF 304 OR 411 AGGREGATE BASE UNDER CONCRETE.

5. PAYMENT WILL BE MADE AT UNIT PRICE UNDER CMS ITEM 608, 6" CONCRETE WALK, AS PER PLAN, WHICH SHALL BE FULL COMPENSATION FOR ALL EXCAVATION, LABOR, 204 SUBGRADE COMPACTION, MATERIAL (FOUR (4) INCHES OF COMPACTED 411 AGGREGATE BASE, QC1 CONCRETE, REBAR, CURING COMPOUND, CONCRETE FOR THE ABUTMENT BACKWALL, ETC.) AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

FORWARD ABUTMENT DETAILS
KALIDA PEDESTRIAN BRIDGE

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER	CRS/KMB
REVIEWER	GAB 12-30-25
PROJECT ID	121886
SUBSET	3
TOTAL	7
SHEET	137
TOTAL	144

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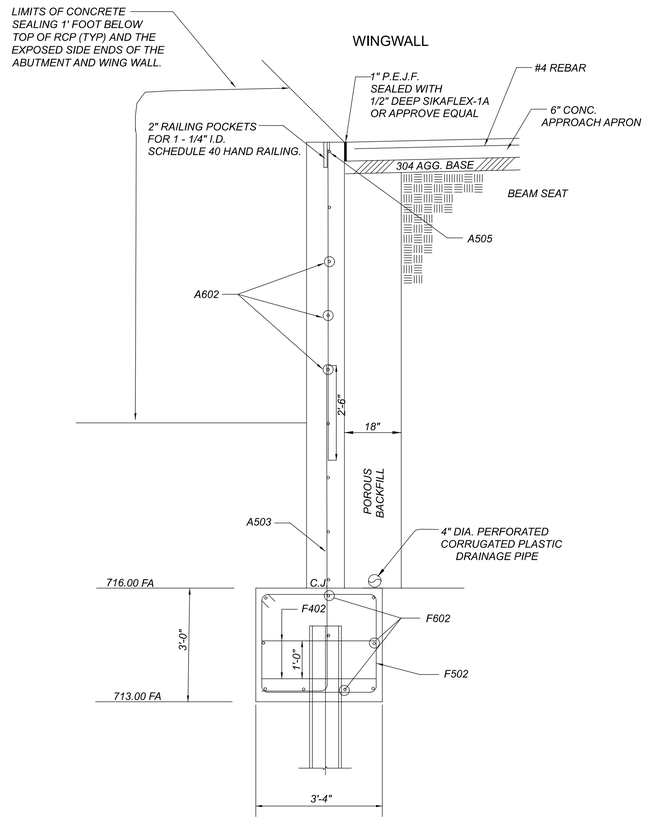

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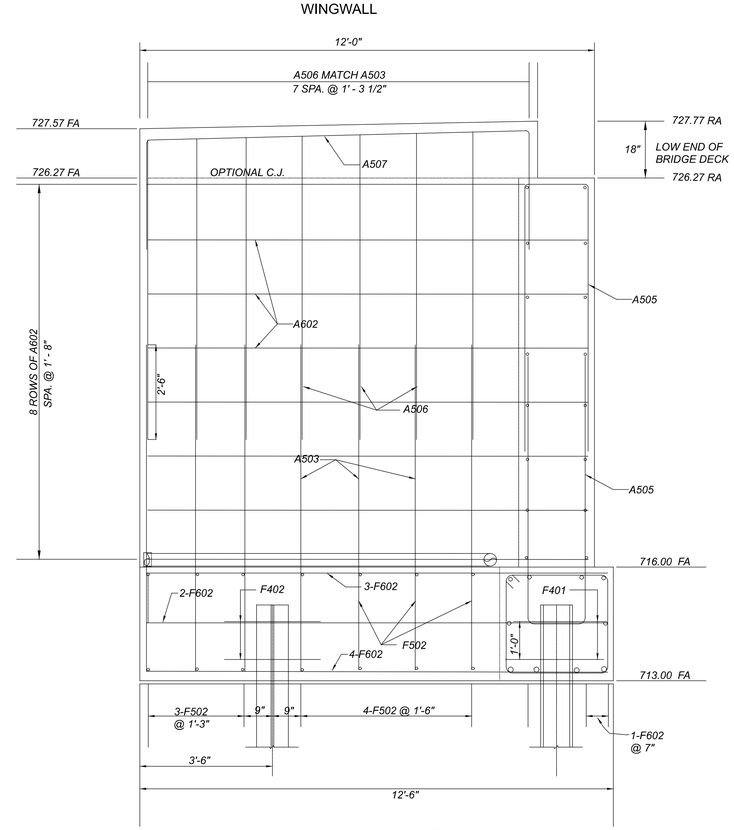
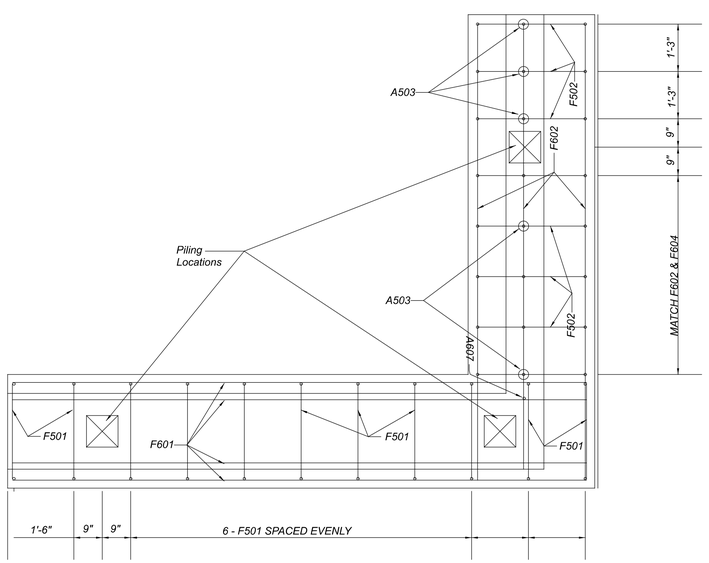


SECTION C-C
(NTS)

SECTION C-C
(NTS)



FOOTER

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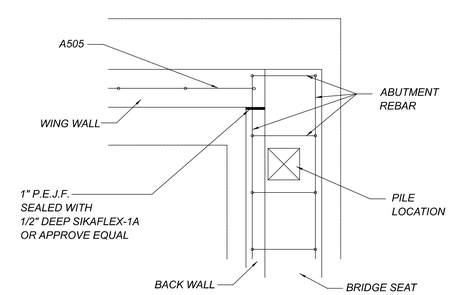

DETAIL A

FORWARD ABUTMENT WINGWALL DETAILS
KALIDA PEDESTRIAN BRIDGE

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER: CRS/KMB
REVIEWER: GAB 12-30-25
PROJECT ID: 121886
SUBSET: 4 TOTAL: 7
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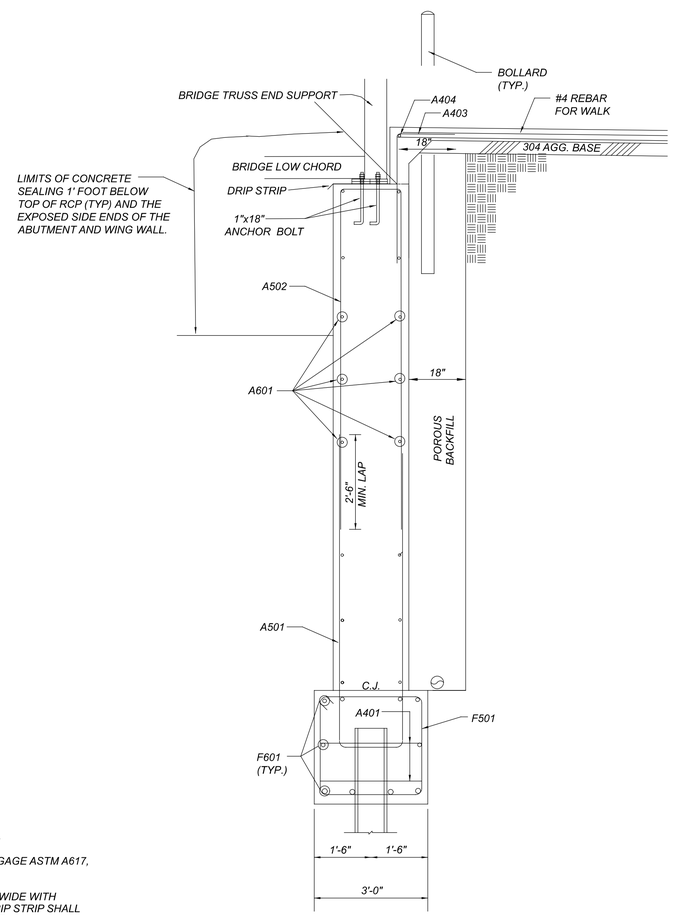

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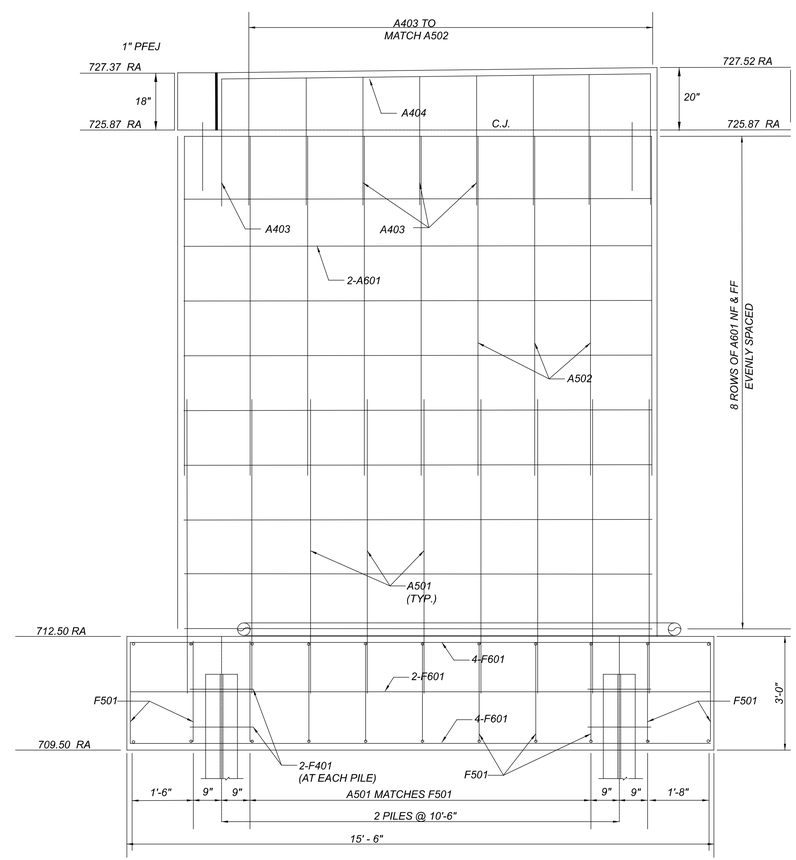

SECTION D-D
(NTS)

DRIP STRIP NOTES, AS PER PLAN:

1. STAINLESS STEEL SHALL BE A MINIMUM OF 22 GAGE ASTM A617, TYPE 304, MILL FINISH.

2. THE SIZE OF THE DRIP STRIP SHALL BE 17 1/2" WIDE WITH 2" OVERLAP BENT DOWN AT A 45° ANGLE. THE DRIP STRIP SHALL BE CUT TO FIT AROUND EACH BEARING SUPPORT.

3. THE DRIP STRIP MAY BE MADE IN TWO PEICES , IF SO THE OVER LAP SHALL BE A MINIMUM OF 4".

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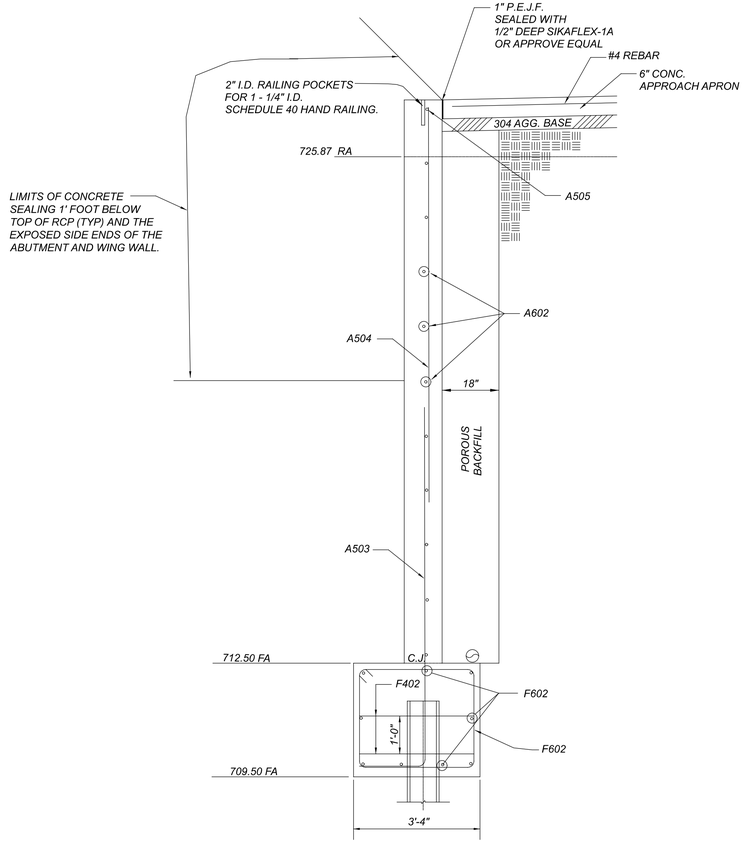
REAR ABUTMENT DETAILS
KALIDA PEDESTRIAN BRIDGE

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER	CRS/KMB
REVIEWER	GAB 12-30-25
PROJECT ID	121886
SUBSET	5
TOTAL	7
SHEET	139
TOTAL	144



SECTION B-B

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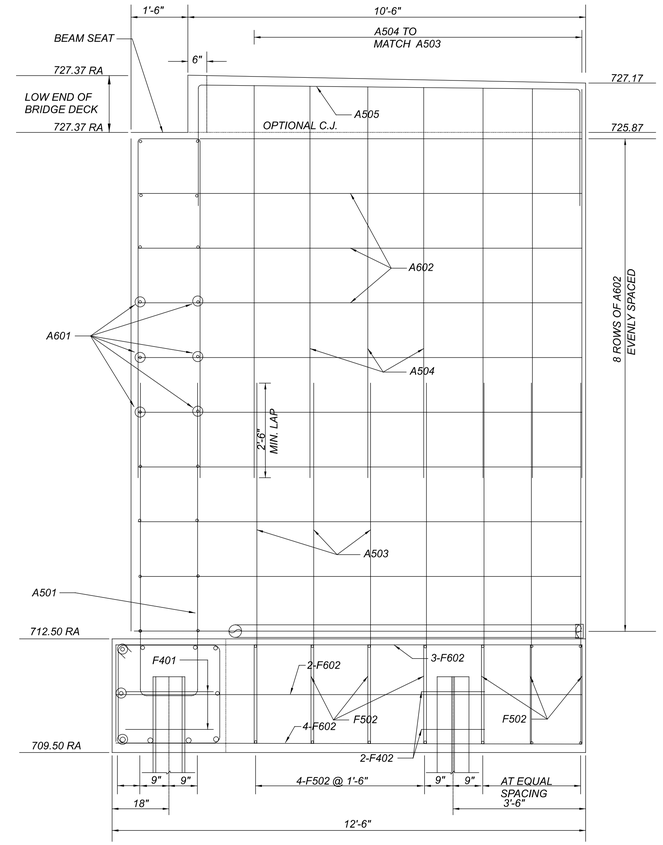
WINGWALL



SECTION C-C

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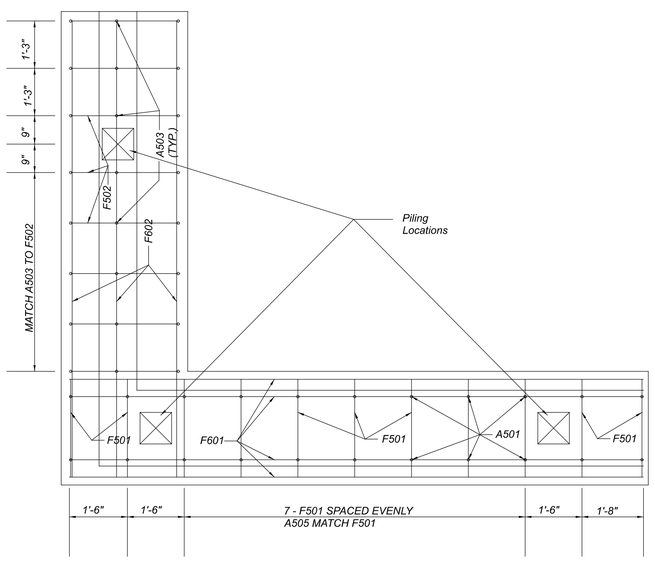
WINGWALL



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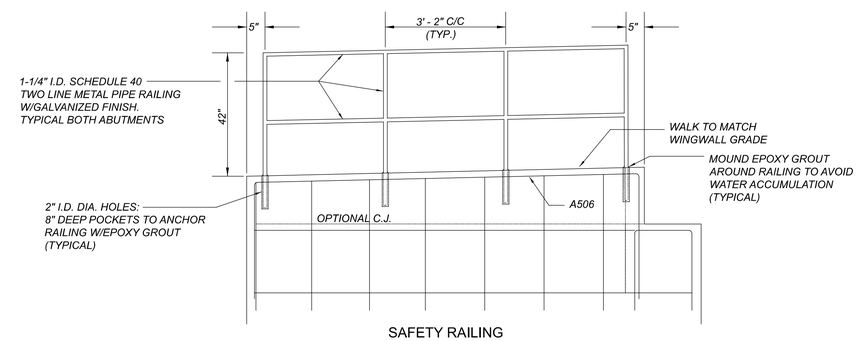

SAFETY RAILING
FOR WINGWALLS

ITEM 517, RAILINGS, AS PER PLAN:

IN ADDITION TO THE REQUIREMENTS OF ODOT'S SPECIFICATIONS 517, THE FOLLOWING REQUIREMENT SHALL ALSO APPLY.

1 ¼"I.D. SCHEDULE 40 TWO LINE METAL PIPE RAILING WITH A GALVANIZED FINISH.
SEE PLAN 140/144 FOR ADDITIONAL DETAILS.

PAYMENT WILL BE MADE AT UNIT PRICE UNDER CMS ITEM 517, RAILINGS, WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, INSTALLATION AND MATERIAL AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

REAR ABUTMENT WINGWALL DETAILS
KALIDA PEDESTRIAN BRIDGE

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue,
Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER	CRS/KMB
REVIEWER	GAB 12-30-25
PROJECT ID	121886
SUBSET	6
TOTAL	7
SHEET	140
TOTAL	144

PUT-KALIDA PEDESTRIAN LOOP
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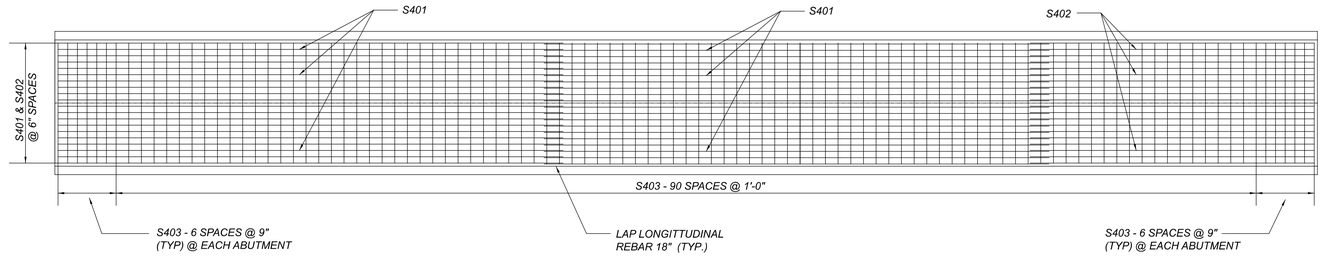


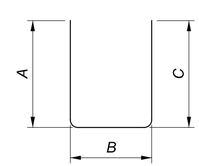
SUPERSTRUCTURE REINFORCING DETAILS

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS				
	TOATL				A	B	C	D	INC
REAR ABUTMENT REINFORCING STEEL LIST									
A403	9	4'-7"	29	2	3'-4"	1'-6"			
A404	1	11'-3"	8	STR					
A501	9	16-6 1/2"	156	1	7'-9"	1'-8"	7'-9"		
A502	9	19'- 1/2""	179	1	9'-0"	1'-8"	9'-0"		
A503	7	10'-6 1/2"	77	2	8'-1"	1'-9"			
A504	7	10'-4"	76	STR					
A601	20	12'-4"	371	STR					
A602	10	11'-8"	176	STR					
F401	4	9'-6"	26	3	2'-6 1/2"	2'-0"			
F402	2	10'-2"	2	3	2'-10 1/2"	2'-0"			
F501	11	11'-2"	129	3	2'-8"	2'-8"			
F502	7	11'-10"	87	3	3'-0"	2'-8"			
F601	10	15'-2"	228	STR					
F602	9	12'-2"	165	STR					
		TOTAL	1,709						

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS				
	TOATL				A	B	C	D	INC
FORWARD ABUTMENT REINFORCING STEEL LIST									
A403	9	4'-7"	28	2	3'-4"	1'-6"			
A404	1	11'-3"	8	STR					
A503	7	10'-0"	73	2	8'-7"	1'-9"			
A505	18	15'-1/2"	283	1	7'-0"	1'-8"	7'-0"		
A506	7	8'-4"	61	STR					
A507	1	15'-9 1/2"	17	1	3'-2"	10'-1"	3'-2"		
A601	16	12'-4"	223	STR					
A602	8	11'-8"	141	STR					
F401	4	9'-6"	26	3	2'-6 1/2"	2'-0"			
F402	2	10'-2"	2	3	2'-10 1/2"	2'-0"			
F501	11	11'-2"	129	3	2'-8"	2'-8"			
F502	7	11'-10"	87	3	3'-0"	2'-8"			
F601	10	15'-2"	228	STR					
F602	9	12'-2"	165	STR					
		TOTAL	1,471						

MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS				
	TOATL				A	B	C	D	INC
SUPERSTRUCTURE REINFORCING STEEL LIST									
S401	40	40'-0"	1,068	STR					
S402	20	22'-6"	301	STR					
S403	103	9'-7"	660	STR					
		TOTAL	2,029						

BENDING DIAGRAMS



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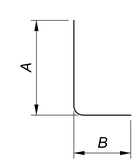

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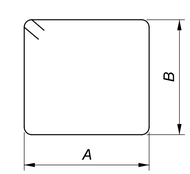

TYPE-3

NOTE:
BAR DIMENSIONS SHOWN ARE OUT TO OUT UNLESS OTHERWISE NOTED. "R" INDICATED INSIDE RADIUS, UNLESS OTHERWISE NOTED. "STD." WRITTEN IN PLACE OF A DIMENSION INDICATES A STANDARD BEND AT THE END OF THE BAR
ALL STEEL REINFORCEMENT TO BE EPOXY COATED.

BAR LEGEND

A 5 06
BAR LOCATION — BAR SIZE — BAR NUMBER

-A - ABUTMENT
-F - FOOTING
-S - SUPERSTRUCTURE

STEEL REINFORCEMENT LIST
KALIDA PEDESTRIAN BRIDGE

DESIGN AGENCY
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A - Ottawa - Ohio
Phone: 419.523.5789

DESIGNER CRS/KMB
REVIEWER GAB 12-30-25
PROJECT ID 121886
SUBSET 7 TOTAL 7
SHEET 141 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 1/12/2026 TIME: 2:03:17 PM USER: kbuss
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PROJECT DESCRIPTION

THE PROJECT DESIGNATED AS PUT- KALIDA PEDESTRIAN LOOP BRIDGE INVOLVES THE CONSTRUCTION OF A NEW BRIDGE THAT CARRIES KALIDA PEDESTRIAN LOOP OVER PLUM CREEK, ADJACENT TO THE EXISTING SR114 BRIDGE OVER PLUM CREEK IN VILLAGE OF KALIDA, UNION TOWNSHIP, PUTNAM COUNTY, OHIO. THE PROPOSED STRUCTURE WILL BE A SINGLE-SPAN, STEEL TRUSS BRIDGE WITH CAST-IN-PLACE CONCRETE DECK AND A SPAN OF 100.0 FEET.

HISTORIC RECORDS

HISTORIC RECORDS OF AUGER BORINGS AND DRIVE ROD SOUNDINGS WERE AVAILABLE FROM THE 1955 GEOTECHNICAL EXPLORATION BY ODOT FOR THE EXISTING SR114 BRIDGE.

ACCORDING TO THE 1955 SOIL LOGS, FOR THE TEST BORING PERFORMED FOR THE CURRENT ADJACENT SR 114 BRIDGE OVER PLUM CREEK, AUGER REFUSAL OCCURRED BETWEEN ELEVATIONS 704.7 AND 703.1 FEET WITH DRIVEN ROD REFUSAL HAVEN OCCURRED BETWEEN ELEVATIONS 703.3 AND 702.6 FEET. ACCORDING TO THE 1955 CONSTRUCTION PLANS, ABOUT 12 TO 15 FEET OF EMBANKMENT FILL WAS PLACED IN THE VICINITY OF THE BRIDGE APPROACH EMBANKMENTS. THE BRIDGE ABUTMENTS ARE SUPPORTED BY PILES DRIVEN INTO BEDROCK.

GEOLOGY

ACCORDING TO THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR), PHYSIOGRAPHIC REGIONS OF OHIO, THE PROJECT SITE IS IN THE MAUMEE LAKE PLAINS OF THE HURON-ERIE LAKE PLAINS. ACCORDING TO THE OHIO GEOLOGY INTERACTIVE MAP, BEDROCK BELOW THE SITE CONSISTS OF SILURIAN GEOLOGIC AGE DOLOMITE, WITH ARGILLACEOUS PARTINGS, SHALE, BRECCIATED INTERVALS, ANHYDRITE/GYPSUM ZONES, ALGAL LAMINATION OF THE SALINA UNDIFFERENTIATED GROUP.

ACCORDING TO THE MAPPING OF HISTORIC AND ACTIVE MINES (ODNR MINES OF OHIO), THERE ARE NO DOCUMENTED MINES IN THE GENERAL VICINITY OF THE PROJECT AREA. THE CLOSEST MINING/QUARRY OPERATION IS APPROXIMATELY 1.1 MILES WEST OF THE BRIDGE. ACCORDING TO THE ODNR'S KARST INTERACTIVE MAP, NO KARST FEATURES HAVE BEEN IDENTIFIED WITHIN THE PROJECT AREA.

RECONNAISSANCE

A SITE VISIT WAS PERFORMED ON SEPTEMBER 11, 2025. THE PROPOSED SITE IS LOCATED ADJACENT TO AND ALONG THE NORTHEASTERN SIDE OF SR 114 AND ITS BRIDGE OVER PLUM CREEK. THE PEDESTRIAN BRIDGE SITE CURRENTLY CONSISTS OF THE EXISTING WIDENED EMBANKMENT FOR THE SR 114 BRIDGE, SIDE SLOPES OF THE EMBANKMENTS, DRAINAGE SWALES AT THE TOE OF THE EMBANKMENTS, AND BURIED UTILITY CORRIDORS. THE SITE INCLUDES MOSTLY MOWED GRASS WHERE THE TOPOGRAPHY IS ACCESSIBLE FOR MOWING AND TALL WEEDS ALONG THE STEEPEN SIDE SLOPES OF PLUM CREEK. BEYOND THE EXISTING ROAD EMBANKMENTS, UTILITY CORRIDORS, AND EMBANKMENT TOE DRAINAGE SWALES, THE AREA CONSISTS OF WOODED LAND. PLUM CREEK DIVIDES THE SITE AND IS OBSERVED AS FLOWING WESTWARD TOWARDS OTTAWA RIVER. NO MAJOR SIGNS OF EROSION WERE NOTED IN THE VICINITY OF THE EXISTING STRUCTURE AND SITE. ADDITIONALLY, NO SIGNS OF SLOPE INSTABILITY WERE NOTED IN THE VICINITY OF THE EXISTING STRUCTURE.

SUBSURFACE EXPLORATION

TWO (2) STRUCTURE TEST BORINGS, IDENTIFIED AS B-001-0-25 AND B-002-0-25, WERE DRILLED TO DEPTHS OF 23 FEET BELOW THE EXISTING GROUND SURFACE. THE BORINGS WERE PERFORMED ON OCTOBER 20, 2025, WITH A MOBILE B57, TRACK MOUNTED DRILL RIG, UTILIZING 3.25-INCH HOLLOW STEM AUGERS (HSA). STANDARD PENETRATION TESTS (SPTS) WERE CONDUCTED USING A 140-POUND AUTOMATIC HAMMER, FALLING 30 INCHES, TO DRIVE 2-INCH O.D. SPLIT BARREL SAMPLERS. THE HAMMER SYSTEM USED WAS CALIBRATED ON AUGUST 13, 2025. THE ENERGY TRANSFER RATIO ASSOCIATED WITH THE AUTOMATIC SPT HAMMER WAS 81.2 PERCENT.

EXPLORATION FINDINGS

TWO (2) TEST BORINGS, IDENTIFIED AS B-001-0-25 AND B-002-0-25, WERE DRILLED FOR THIS BRIDGE STRUCTURE. BELOW THE SURFACE COVER, THE TEST BORINGS ENCOUNTERED FINE-GRAINED FILL TO DEPTHS OF 10.5 TO 13.0 FEET UNDERLAIN BY FINE FINE-GRAINED NATIVE SOILS EXTENDING DOWN TO THE TOP OF WEATHERED BEDROCK. THESE FINE-GRAINED SOILS AND FILL WERE DESCRIBED AS CLAY (A-7-6), ELASTIC CLAY (A-7-5), SILTY CLAY (A-6b), SILT AND CLAY (A-6a), AND SANDY SILT (A-4a).

AUGER REFUSAL WAS ENCOUNTERED ON PRESUMED TOP OF BEDROCK AT A DEPTH OF 23.0 FEET IN EACH BORING, CORRESPONDING TO ELEVATION 700.5 AND 701.0 FEET ABOVE MEAN SEA LEVEL (MSL).

FREE GROUNDWATER WAS NOT OBSERVED IN EITHER BORING DURING DRILLING OR UPON COMPLETION.

LEGEND

DESCRIPTION	ODOT CLASS	CLASSIFIED MECH.	CLASSIFIED VISUAL
SANDY SILT	A-4a (6)	1	2
SILT AND CLAY	A-6a (8)	1	1
SILTY CLAY	A-6b (9)	2	0
ELASTIC CLAY	A-7-5 (11)	1	0
CLAY	A-7-6 (14)	7	3
	TOTAL	12	6

SOD AND TOPSOIL = X = APPROXIMATE THICKNESS

PROJECT BORING LOCATION - PLAN VIEW

DRIVE SAMPLE AND/OR ROCK CORE BORING PLOTTED TO VERTICAL SCALE ONLY. HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPHY.

WC — INDICATES WATER CONTENT IN PERCENT.

N_{60} — INDICATES STANDARD PENETRATION RESISTANCE NORMALIZED TO 60% DRILL ROD ENERGY RATIO.

X/D" — NUMBER OF BLOWS FOR STANDARD PENETRATION TEST (SPT): X/D" = NUMBER OF BLOWS (UNCORRECTED) FOR D" OF PENETRATION AT REFUSAL.

SS — INDICATES A SPLIT SPOON SAMPLE, STANDARD PENETRATION TEST.

SPECIFICATIONS

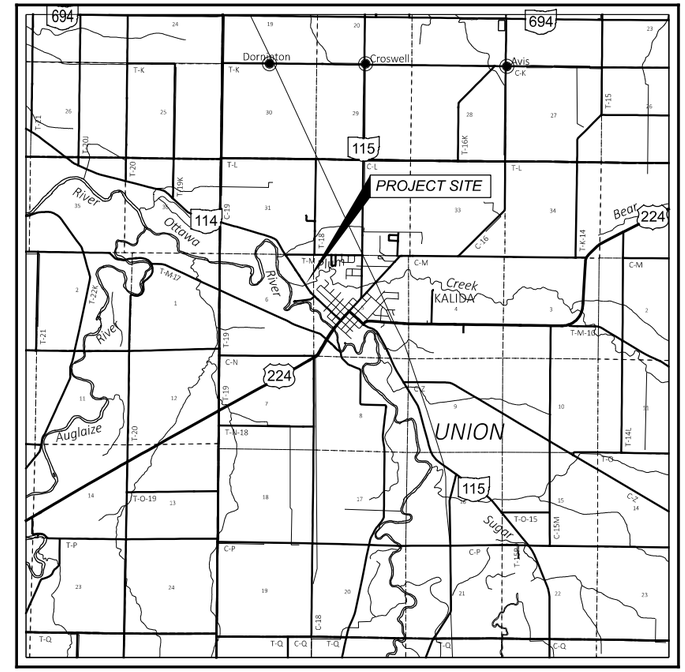
THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN GENERAL ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS, DATED JULY 2025.

AVAILABLE INFORMATION

THE SOIL, BEDROCK, AND GROUNDWATER INFORMATION COLLECTED FOR THIS SUBSURFACE EXPLORATION THAT CAN BE CONVENIENTLY DISPLAYED ON THE GEOTECHNICAL PROFILE SHEETS HAS BEEN PRESENTED. GEOTECHNICAL REPORTS, IF PREPARED, ARE AVAILABLE FOR REVIEW ON THE OFFICE OF CONTRACT SALES WEBSITE.

SCOUR SAMPLES

BORING NO.	SAMPLE ID	ELEVATION (FEET)	D_{50} (mm)	Tc (PA)	EROSION CATEGORY (EC)
B-001-0-25	SS-1	722.5 - 721.0	0.28	0.28	3.6705
	SS-3	717.5 - 716.0	0.006	0.2	3.8672
	SS-5	712.5 - 711.0	0.074	0.2	3.5503
	SS-6	710.0 - 708.5	0.006	0.2	3.9473
	SS-7	707.5 - 706.0	0.006	0.2	3.9473
	SS-8	705.0 - 703.5	0.014	0.2	2.7540
B-002-0-25	SS-1	723.0 - 721.5	0.014	0.2	3.7755
	SS-3	718.0 - 716.5	0.008	0.2	3.1680
	SS-5	712.0 - 711.5	0.005	0.2	3.6705
	SS-6	710.5 - 709.0	0.004	0.2	3.9086
	SS-7	708.0 - 706.5	0.005	0.2	3.2551
	SS-8	705.5 - 704.0	0.004	0.2	4.0783



LOCATION MAP

SCALE IN MILES

0 1 2 3 4

N

PARTICLE SIZE DEFINITIONS

BOULDERS	12"	COBBLES	3"	GRAVEL	2.0 mm (No. 10 SIEVE)	COARSE SAND	0.42 mm (No. 40 SIEVE)	FINE SAND	0.074 mm (No. 200 SIEVE)	SILT	0.005 mm	CLAY

RECON. - FS 09/11/2025
DRILLING - CTL 10/20/2025
DRAWN - N.K.S 01/09/2026
REVIEWED - JH 01/09/2026

GEOTECHNICAL PROFILE - BRIDGE
BRIDGE NO. - KALIDA PEDESTRIAN BRIDGE
OVER SR 114 MAIN STREET

DESIGN AGENCY
CTL ENGINEERING INC
2860 FISHER ROAD
COLUMBUS, OHIO 43204
PHONE: (614)276-8123
FAX: (614)276-6377

DESIGNER N.K.S
REVIEWER JH 01-09-26
PROJECT ID 121886
SUBSET 1 TOTAL 3
SHEET P.142 TOTAL 144

PUT-KALIDA PEDESTRIAN LOOP

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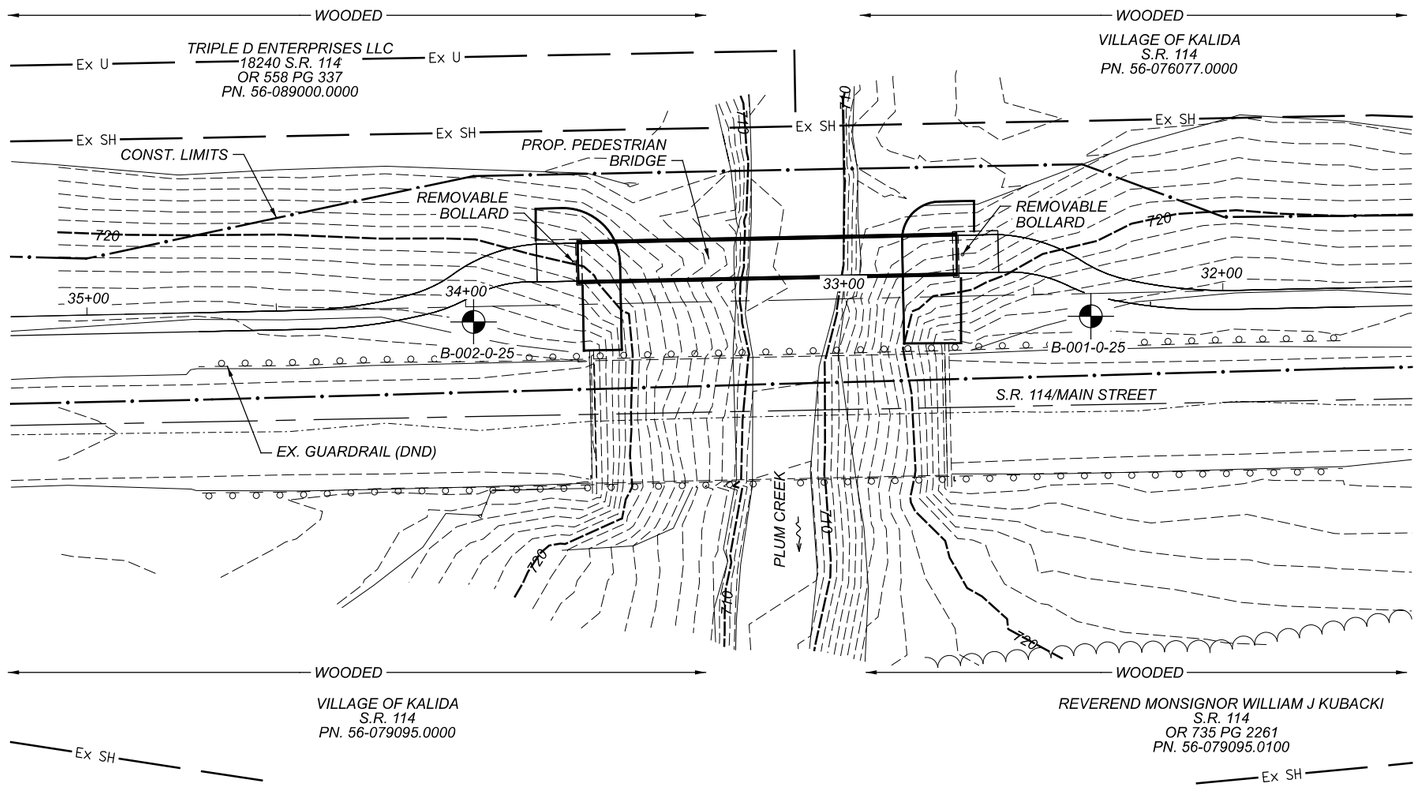

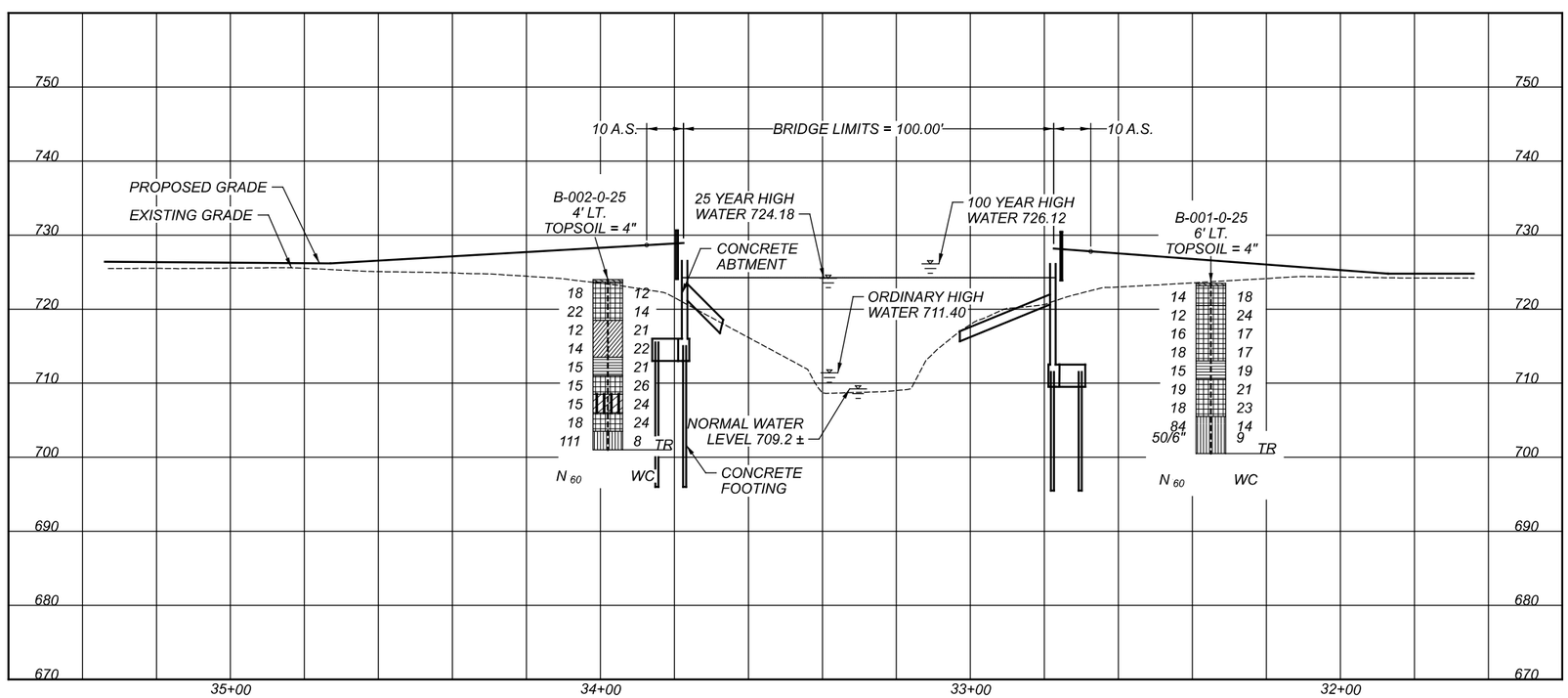

HORIZONTAL SCALE IN FEET
0 10 20 40

GEOTECHNICAL PROFILE - BRIDGE
BRIDGE NO. - KALIDA PEDESTRIAN LOOP OVER SR 114 MAIN STREET

DESIGN AGENCY

GTL ENGINEERING
2860 FISHER ROAD
COLUMBUS, OHIO 43204
PHONE: (614)276-8123
FAX: (614)276-6377

DESIGNER	N.K.S
REVIEWER	JH 01-09-26
PROJECT ID	121886
SUBSET	2
TOTAL	3
SHEET	P.143
TOTAL	144

PUT-KALIDA PEDESTRIAN LOOP

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PUT-KALIDA PEDESTRIAN LOOP

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PROJECT: KALIDA PEDESTRIAN LOOP	DRILLING FIRM / OPERATOR: CTL / H. BROWN	DRILL RIG: MOBILE B-57 TRACK	STATION / OFFSET: 32+35, 6' LT.	EXPLORATION ID B-001-0-25
TYPE: BRIDGE	SAMPLING FIRM / LOGGER: CTL / M. HUGHES	HAMMER: MOBILE AUTOMATIC	ALIGNMENT: PROPOSED SIDEWALK	
PID: 121886 SFN: N/A	DRILLING METHOD: 3.75" HSA	CALIBRATION DATE: 8-13-25	ELEVATION: 723.5 (MSL) EOB: 23.0 ft.	PAGE 1 OF 1
START: 10-20-25 END: 10-20-25	SAMPLING METHOD: SPT	ENERGY RATIO (%): 81.2	LAT / LONG: 40.986602, -84.208856	

MATERIAL DESCRIPTION AND NOTES	ELEV. 723.5	SPT/RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GR	CS	FS	SI	CL	LL	PL	PI	WC	ODOT CLASS (GI)	SO4 ppm	HOLE SEALED
TOPSOIL (4")	723.2																	
STIFF, GRAYISH BROWN, **CLAY**, SOME SILT, SOME SAND, LITTLE GRAVEL, SLIGHTLY ORGANIC (EX. FILL), DAMP	720.5	4 5 5	14	39	SS-1	1.50	13	10	18	27	32	41	22	19	18	A-7-6 (9)	-	
VERY STIFF, BROWN AND GRAY, **CLAY**, SOME SILT, LITTLE SAND, TRACE GRAVEL, (EX. FILL), MOIST		5 4 5	12	89	SS-2	2.25	-	-	-	-	-	-	-	-	24	A-7-6 (V)	-	
@6.0'; DAMP		5 6 6	16	89	SS-3	3.00	2	7	13	31	47	42	19	23	17	A-7-6 (14)	-	
@8.5'; STIFF, DAMP	713.0	5 6 7	18	56	SS-4	1.75	-	-	-	-	-	-	-	-	17	A-7-6 (V)	-	
STIFF, GRAYISH BROWN, **SILTY CLAY**, AND SAND, TRACE GRAVEL, (EX. FILL), MOIST	710.5	6 5 6	15	67	SS-5	1.00	7	17	26	22	28	33	16	17	19	A-6b (5)	-	
VERY STIFF, BROWN AND GRAY, **CLAY**, AND SILT, LITTLE SAND, MOIST		5 7 7	19	67	SS-6	3.25	0	0	10	42	48	44	19	25	21	A-7-6 (15)	-	
@16.0'; SOME SILT, SOME SAND	705.5	6 7 6	18	78	SS-7	2.25	0	1	22	31	46	43	18	25	23	A-7-6 (15)	-	
HARD, GRAY, **SANDY SILT**, SOME CLAY, TRACE GRAVEL, WITH ROCK FRAGMENTS, DAMP	700.5	14 22 40	84	78	SS-8	4.50	6	9	18	32	35	23	15	8	14	A-4a (6)	-	
		50	-	33	SS-9	-	-	-	-	-	-	-	-	-	9	A-4a (V)	-	

ETR3

NOTES: BOREHOLE CAVE-IN AT 18.0 FT. AUGER REFUSAL AT 23.0 FT.
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS MIXED WITH BENTONITE PELLETS

STANDARD ODOT LOG W/ SULFATES (8.5 X 11) - OH DOT GDT - 10-12-25 14:44 - G:\2025\DECEMBER\03\25050041WAP\25050041WAP.GPJ

PROJECT: KALIDA PEDESTRIAN LOOP	DRILLING FIRM / OPERATOR: CTL / H. BROWN	DRILL RIG: MOBILE B-57 TRACK	STATION / OFFSET: 33+98, 4' LT.	EXPLORATION ID B-002-0-25
TYPE: BRIDGE	SAMPLING FIRM / LOGGER: CTL / M. HUGHES	HAMMER: MOBILE AUTOMATIC	ALIGNMENT: PROPOSED SIDEWALK	
PID: 121886 SFN: N/A	DRILLING METHOD: 3.75" HSA	CALIBRATION DATE: 8-13-25	ELEVATION: 724.0 (MSL) EOB: 23.0 ft.	PAGE 1 OF 1
START: 10-20-25 END: 10-20-25	SAMPLING METHOD: SPT	ENERGY RATIO (%): 81.2	LAT / LONG: 40.986966, -84.209180	

MATERIAL DESCRIPTION AND NOTES	ELEV. 724.0	SPT/RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GR	CS	FS	SI	CL	LL	PL	PI	WC	ODOT CLASS (GI)	SO4 ppm	HOLE SEALED
TOPSOIL (4")	723.7																	
HARD, GRAYISH BROWN, **CLAY**, SOME SILT, SOME SAND, TRACE GRAVEL, SLIGHTLY ORGANIC (EX. FILL), DAMP	718.5	5 6 7	18	44	SS-1	-	9	11	16	26	38	43	22	21	12	A-7-6 (11)	-	
STIFF, GRAYISH BROWN, **SILT AND CLAY**, LITTLE SAND, LITTLE GRAVEL, (EX. FILL), MOIST	713.5	7 8 8	22	78	SS-2	4.50	-	-	-	-	-	-	-	-	14	A-7-6 (V)	-	
		3 4 5	12	67	SS-3	1.25	10	5	13	30	42	30	18	12	21	A-6a (8)	-	
		4 4 6	14	89	SS-4	1.50	-	-	-	-	-	-	-	-	22	A-6a (V)	-	
STIFF, GRAYISH BROWN, **SILTY CLAY**, LITTLE SAND, TRACE GRAVEL, MOIST	711.0	5 6 5	15	78	SS-5	1.50	3	5	12	28	52	39	20	19	21	A-6b (12)	-	
VERY STIFF, GRAY, **CLAY**, AND SILT, TRACE SAND, DAMP	708.5	4 5 6	15	83	SS-6	3.75	0	1	7	39	53	51	27	24	26	A-7-6 (16)	-	
VERY STIFF, GRAY, **ELASTIC CLAY**, AND SILT, TRACE SAND, TRACE GRAVEL, DAMP	706.0	5 5 6	15	94	SS-7	3.25	1	1	6	40	52	49	36	13	24	A-7-5 (11)	-	
VERY STIFF, GRAY, **CLAY**, AND SILT, TRACE SAND, TRACE GRAVEL, MOIST	703.5	5 6 7	18	100	SS-8	3.50	1	1	8	36	54	51	22	29	24	A-7-6 (18)	-	
VERY STIFF, GRAY, **SANDY SILT**, SOME CLAY, TRACE GRAVEL, DAMP	701.0	31 40 42	111	50	SS-9	3.50	-	-	-	-	-	-	-	-	8	A-4a (V)	-	

ETR3

NOTES: BOREHOLE CAVE-IN AT 14.0 FT. AUGER REFUSAL AT 23.0 FT.
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS MIXED WITH BENTONITE PELLETS

STANDARD ODOT LOG W/ SULFATES (8.5 X 11) - OH DOT GDT - 10-12-25 14:44 - G:\2025\DECEMBER\03\25050041WAP\25050041WAP.GPJ

SHEET	TOTAL	SUBSET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P. 144	144	3	3	121886	JH 01-09-26	N.K.S.	CTL ENGINEERING INC. 2860 FISHER ROAD COLUMBUS, OHIO 43204 PHONE: (614) 276-8123 FAX: (614) 276-8377

GEOTECHNICAL PROFILE - BRIDGE
BRIDGE NO. - KALIDA PEDESTRIAN BRIDGE
BORING LOGS B-001-0-25 & B-002-0-25