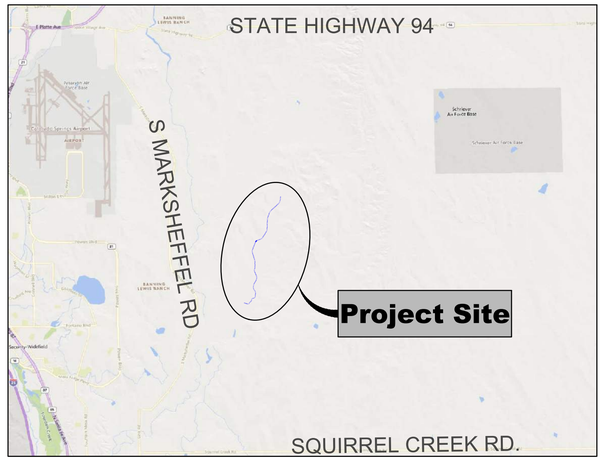
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1

THE LANDHUIS COMPANY

MATRIX PROJECT No. 21.1129.009

100% DESIGN PLANS - PHASE 1
MAY 2026



VICINITY MAP

N.T.S.

LOCATION MAP

SCALE: 1" = 2,000'

SHEET INDEX

VERTICAL DATUM: THE ELEVATIONS ON THIS PROJECT ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

HORIZONTAL DATUM: THE COORDINATES FOR THIS PROJECT ARE NAD83/2011 COLORADO STATE PLANE CENTRAL ZONE GRID COORDINATES.

AERIAL PHOTO: PROVIDED BY AERIAL MAPPING SERVICES

BENCHMARK STATEMENT: THE BENCHMARK USED FOR THIS SURVEY IS FIMS MONUMENT NUMBER 202. A U.S. GEOLOGICAL SURVEY BRASS CAP STAMPED '11 HA 1947' IN A CONCRETE PAD, LOCATED ALONG DRENNAN ROAD, APPROXIMATELY 0.5 MILES EAST OF MARKSHEFFEL ROAD, APPROXIMATELY 200 FEET EAST OF A BRIDGE. THE MARK IS 32 FEET NORTH OF THE PAVEMENT, 23 FEET EAST OF A NORTH TO SOUTH FENCE LINE, AND 2 FEET NORTHEAST OF A POWER POLE."

PROPERTY INFORMATION: PARCEL LINES AND PROPERTY OWNERSHIP INFORMATION SHOWN WERE PROVIDED BY AN ALTA SURVEY.

DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

ANDREW BECK, P.E. #0048153 — DATE

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA J. PALMER, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR — DATE

OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

JEFF MARK, PRESIDENT
THE LANDHUIS COMPANY
212 N WAHSATCH AVE, SUITE 301
COLORADO SPRINGS, CO 80903 — DATE

REFERENCE DRAWINGS

Rolling Hills MDDP topo
X-1129-MDG22x34

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-TS01.dwg
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100% DESIGN PLANS

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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TITLE SHEET

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	N/A	SHEET	01 OF 53
CHECKED BY:	DJB	VERT.	N/A		

DRAWING No. TS01

GENERAL NOTES:

1. THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. CONTRACTOR TO CALL FOR UTILITY LOCATOR AT LEAST 3 CALENDAR DAYS BEFORE EARTHWORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES. IN THE EVENT THAT THE CONTRACTOR UTILITY VERIFICATION RESULTS IN EXISTING STRUCTURES OR UTILITIES BEING IN CONFLICT WITH THE PROPOSED WORK OF THIS CONTRACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY UTILITIES AND COORDINATE ANY NEEDED MODIFICATIONS TO THE PROPOSED WORK AS DIRECTED BY AFFECTED AGENCY OR UTILITY.

2. THE CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED UTILITY OWNERS TO ESTABLISH THE REQUIREMENTS AND METHODS TO ACCOMMODATE THE PROTECTION, TEMPORARY SUPPORT, ADJUSTMENT OR RELOCATION OF UTILITIES PRIOR TO THE START OF CONSTRUCTION.

3. OVERHEAD UTILITIES ARE NOT INDICATED ON PROFILE OR SECTION DRAWINGS.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING IN CONTINUOUS OPERATION, ALL EXISTING STRUCTURES. NOT ALL POTENTIALLY IMPACTED STRUCTURES MAY BE SHOWN ON THE DRAWINGS AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND PROTECT ALL STRUCTURES INCLUDING BUT NOT LIMITED TO STREETS, CURB AND GUTTER, BRIDGE PIERS AND ABUTMENTS, CREEK BANK PROTECTION OF VARIOUS TYPES, CREEK DROP STRUCTURES, SIGNS, PEDESTRIAN WALKS, RETAINING WALLS AND FENCING. IN THE EVENT THAT A STRUCTURE OR UTILITY IS DAMAGED DURING CONSTRUCTION THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF THE FACILITY IN WRITING AND COORDINATE AND COOPERATE WITH NEEDED REPAIRS PER THE APPROPRIATE SPECIFICATIONS ACCORDING TO THE OWNER'S DIRECTION.

5. THE CONTRACTOR SHALL CONFIRM THE RECEIPT OF ALL NECESSARY PERMITS AND APPROVALS BEFORE THE START OF CONSTRUCTION.

6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE CITY OF COLORADO SPRINGS, EL PASO COUNTY, AND THE MILE HIGH FLOOD DISTRICT, AS NOTED, UNLESS SPECIFICALLY DETAILED OTHERWISE ON THESE PLANS AND ASSOCIATED SPECIFICATIONS.

7. THE CONTRACTOR SHALL MAINTAIN AT THE SITE AT ALL TIMES ONE SIGNED COPY OF THE PROJECT DRAWINGS AND SPECIFICATIONS, ONE COPY OF THE STORMWATER MANAGEMENT PLAN AND ONE COPY OF ALL REQUIRED PERMITS.

8. THE CONTRACTOR SHALL CONDUCT THEIR OPERATIONS IN SUCH A WAY THAT THE AREA OF DISTURBANCE IS MINIMIZED. ALL EXISTING TREES, SHRUBS AND VEGETATION SHALL BE PROTECTED UNLESS OTHERWISE NOTED ON THE DRAWINGS. NO TREES SHALL BE REMOVED WITHOUT APPROVAL. DESIGNATED ACCESS SHALL BE MINIMAL AND AGREED UPON WITH THE ENGINEER PRIOR TO CONSTRUCTION ACTIVITIES.

9. FOR ALL SITE GRADING, SMOOTH TRANSITIONS SHALL BE MADE BETWEEN CHANGES IN SLOPE.

10. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING STABLE EXCAVATIONS AND TEMPORARY SLOPES AND FOR SATISFYING ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. THIS INCLUDES BUT IS NOT LIMITED TO BENCHING, SHORING, AND SLOPING AS NEEDED FOR CONSTRUCTION.

11. CONSTRUCTION OF THE PROPOSED WORK WILL TAKE PLACE WITHIN THE CHANNEL AND WATER CONTROL MEASURES WILL BE REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCEPTANCE AND CONTROL OF DRAINAGE WATER FROM AREAS ADJACENT TO EAST FORK JIMMY CAMP CREEK AND FOR FLOW WITHIN EAST FORK JIMMY CAMP CREEK AND ITS TRIBUTARIES INCLUDING STORMWATER OUTFALLS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ESTABLISHING MEANS AND METHODS OF GROUND AND SURFACE WATER CONTROL APPROPRIATE FOR CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT DRAWINGS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND PERMITS.

12. THE CONTRACTOR SHALL PREPARE AND MAINTAIN THE STORMWATER MANAGEMENT PLAN AND OBTAIN THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THROUGH THE COLORADO DEPARTMENT OF PUBLIC HEALTH (CDPHE) AND ALL OTHER APPROPRIATE FEDERAL, STATE AND LOCAL PERMITS. ADDITIONAL INFORMATION IS PROVIDED ON THE GRADING AND EROSION CONTROL PLANS.

13. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT DRAWINGS TO BE MAINTAINED AND SUBMITTED TO THE CITY OF COLORADO SPRINGS AND EL PASO COUNTY.

14. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ON-SITE SURVEY CONTROL AND CONSTRUCTION STAKING.

15. CONTRACTOR SHALL FENCE OFF CRITICAL AREAS TO BE PROTECTED AT THE DISCRETION OF THE CITY OF COLORADO SPRINGS AND EL PASO COUNTY PROJECT ENGINEER.

16. THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL PLAN FOR PLANNED ACCESS TO THE SITE AND FOR EXITING AND ENTERING PUBLIC ROADS.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND MAINTAINING PHYSICAL AND LEGAL ACCESS TO THE PROJECT SITE AND SHALL LIMIT TRANSPORTATION TO AND FROM THE SITE TO THOSE APPROVED BY THE CITY OF COLORADO SPRINGS AND EL PASO COUNTY.

18. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT AND MANAGE SPILLS OF TOXIC MATERIALS, SUCH AS EQUIPMENT FUELS.

19. ALL MATERIALS USED SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF ANY TYPE AND SHALL BE THE BEST OF THEIR CLASS AND KIND.

20. WORK INCLUDES FURNISHING OF LABOR, MATERIALS, TOOLS, AND EQUIPMENT TO COMPLETE THE CONSTRUCTION OF ALL ELEMENTS OF THE DESIGN PLANS.

21. **FLOODPLAIN STATEMENT:THIS CHANNEL PORTION OF THE SITE IS LOCATED IN ZONE "AE" WHICH IS A DESIGNATED 100-YEAR FLOODPLAIN ON THE NFIP FLOOD INSURANCE RATE MAP FOR EL PASO COUNTY, COLORADO, PANEL NUMBERS 08041C0976G, 08041C0769G, DATED DECEMBER 7,2018. CLOMR 24-08-0597R HAS BEEN APPROVED FOR WORK WITHIN THE 100-YEAR FLOODPLAIN.**

22. THE CONTRACTOR SHALL COMPLETE THE CULVERT PLANS FOR THE BRADLEY ROAD CROSSING AND GET THE NECESSARY APPROVALS NEEDED FOR CONSTRUCTION. THE CULVERT SHOWN IN THESE PLANS IS THE CONTECH 60'x13.25' CONSPAN CULVERT.

ABBREVIATIONS

℄	CENTER LINE	APPROX.	APPROXIMATE
HCL	HORIZONTAL CONTROL LINE	MIN.	MINIMUM
DIA	DIAMETER	MAX.	MAXIMUM
EX./EXIST	EXISTING	HORIZ	HORIZONTAL
PR./PROP	PROPOSED	VERT.	VERTICAL
EL./ELEV	ELEVATION	DIST.	DISTANCE
FT.	FEET	NTS	NOT TO SCALE
INV.	INVERT	TYP	TYPICAL
LF	LINEAR FEET	O.C.	ON CENTER
LT	LEFT	LOC/LOD	LIMITS OF CONSTRUCTION/DISTURBANCE
N,S,E,W	NORTH, SOUTH, EAST, WEST	RR	RAILROAD
PL	PROPERTY LINE	BCL	BANKFULL CONTROL LINE
ROW	RIGHT-OF-WAY	TCL	THALWEG CONTROL LINE
RT	RIGHT	BLR	BANNING LEWIS RANCH
SF	SQUARE FEET	CONC	CONCRETE
STA.	STATION		

STANDARD SYMBOLS

- CENTER LINE
- PROPERTY LINE (PL — PL)
- EXISTING CONTOURS: 2' AND 10' INTERVALS UNLESS OTHERWISE NOTED
- PROPOSED CONTOURS: 2' AND 10' INTERVALS UNLESS OTHERWISE NOTED
- LIMITS OF DISTURBANCE
- CONSTRUCTION ACCESS
- ROW
- EASEMENT
- FENCE (— X —)
- WATERLINE (— W —)

LEGEND

- PROPOSED VOID-FILLED RIPRAP (SEE SHEET DT02)
- PROPOSED SOIL RIPRAP - BURIED WITH TOPSOIL & REVEGETATED
- PROPOSED SCULPTED CONCRETE DROP STRUCTURE
- PROPOSED MAINTENANCE ACCESS ROAD/MULTI-USE TRAIL
- PROPOSED CONCRETE MAINTENANCE ACCESS ROAD/MULTI-USE TRAIL
- PR. 100-YR FLOODPLAIN BOUNDARY (4,400 CFS)

REFERENCE DRAWINGS
X-1129-MDG22x34

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
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100% DESIGN PLANS

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THE LANDHUIS COMPANY

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SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

LEGEND AND GENERAL NOTES

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	N/A	SHEET	02 OF 53
CHECKED BY:	DJB	VERT.	N/A	DRAWING No.	GN01

GRAPHIC SCALE
250 0 125 250 500
(IN FEET)
1 inch = 250ft.

BLH NO 2 LLC
5500000408

EX. STRUCTURES (TYP.)

CITY OF COLORADO SPRINGS
5500000382

MURRAY FOUNTAIN LLC
5500000383

EX. WINDMILL AND WATERING TROUGH

EX. CULVERTS
2-8' x 12' CBC
TO BE REMOVED

END PHASE 1

EX. BURIED WATERLINE (TYP.)

CITY OF COLORADO SPRINGS
5500000407

FLOW

REMOVE APPROX. 446 LF EX. FENCE

EAST FORK JIMMY CAMP CREEK

BRADLEY RD

NORTHERN EXTENTS OF
PHASE 1 FENCE REMOVAL
NORTHING:1338402.139
EASTING: 3249988.118

EX. WATER VALVES AND FIRE HYDRANT
TO BE RELOCATED BY OTHERS

BLH NO 2 LLC
5500000408

EX. UTILITY EASEMENT
R.N. 217152003

FENCE TO BE REMOVED
WITHIN LOD
APPROX. 2900 LF OF
BARBED WIRE FENCING

SANITARY SEWER TO BE
INSTALLED BY OTHERS
PRIOR TO CONSTRUCTION

EX. 150' PERMANENT EASEMENT AGREEMENT
R.N. 218010561

BLH NO 2 LLC
5500000291

LIMITS OF
DISTURBANCE (TYP.)

WATERLINE TO BE INSTALLED BY
OTHERS PRIOR TO CONSTRUCTION

EX. CULVERTS
2- 66" RCP

SOUTHERN EXTENT OF
PHASE 1 FENCE
REMOVAL
NORTHING:1335763.907
EASTING: 3250473.585

EX. WATERLINE TO BE
REMOVED BY OTHERS

EX. BURIED GAS LINE

EX. OVERHEAD
ELECTRIC (TYP.)

EX. 100-YEAR FLOODPLAIN

EX. FENCE LINE (TYP.)

EX. 12" C900 PVC WATER LINE.
OWNED BY WIDEFIELD WATER
AND SANITATION DISTRICT.

BULL HILL LLC
5500000325-5500000329

EX. WATER VALVE, FIRE
HYDRANT, AND MANHOLE

BLH NO 2 LLC
5500000292

EX. UTILITY
EASEMENTS (TYP.)

EX. PROPERTY
LINE (TYP)

LORSON RANCH EAST

NOTE: FLOODPLAIN HYDROLOGY FROM
DECEMBER 7, 2018 FEMA FLOOD INSURANCE STUDY.

Know what's below. Call before you dig.

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR STRUCT- PHASE 1
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL
X-1129-LOD_LOWER
X-1129.009-EX FLOODPLAIN

No.	DATE	DESCRIPTION	BY

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THE LANDHUIS COMPANY

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PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

EXISTING CONDITIONS AND DEMOLITION PLAN

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	RPD	HORIZ.	1" = 250'			
CHECKED BY:	DJB	VERT.	N/A	SHEET	03 OF 53	EX01

ESTIMATED CUT/FILL ONSITE:

ESTIMATED CUT/FILL ONSITE	25,336 CY
EXCESS MATERIAL	402,594 CY

NOTES:
1. EARTHWORK QUANTITIES ACCOUNT FOR 15% ANTICIPATED SOIL SHRINKAGE.
2. EARTHWORK ESTIMATES HAVE BEEN ADJUSTED BASED ON ANTICIPATED MATERIAL DISPLACED BY CONCRETE, RIPRAP, AND SOIL AMENDMENT.
3. THE EXCESS MATERIAL SHALL BE SPOILED ONSITE AS DIRECTED BY THE ENGINEER.
4. ALL PLACED MATERIAL SHALL BE SUITABLE FOR FILL, AS DEFINED IN THE TECHNICAL SPECIFICATIONS.
5. SALVAGE AND STOCKPILE EXISTING TOPSOIL WITHIN THE PROJECT LIMITS PRIOR TO BEGINNING MAJOR EARTHWORK ACTIVITIES.
6. ALL SOIL RIPRAP SHALL BE PLACED 9" BELOW FINISHED GRADE EXCEPT WHERE OTHERWISE NOTED.
7. CHANNEL CURRENTLY AND TO REMAIN WITHIN A TRACT.

Know what's below. Call before you dig.

MATCHLINE - SEE RIGHT SIDE OF THIS PAGE

EX. 2x66" RCP CULVERTS TO BE PLUGGED. SEE DT02

PR. ELECTRICAL SUBSTATION (BY OTHERS)

BRADLEY RD

GRAPHIC SCALE

250 0 125 250 500

(IN FEET)
1 inch = 250 ft.

LIMITS OF DISTURBANCE (TYP.)

BEGIN EL PASO COUNTY REVIEW OF CHANNEL DESIGN

END CITY OF COLORADO SPRINGS REVIEW OF CHANNEL DESIGN

BEGIN CITY OF COLORADO SPRINGS REVIEW OF CHANNEL DESIGN

LORSON RANCH EAST

FUTURE UNDERDRAIN OUTFALL BY OTHERS

FUTURE BLR SWALE FROM DEVELOPMENT DESIGN BY OTHERS AFTER CHANNEL CONSTRUCTION IS COMPLETE

50' TRACT FOR PROPOSED CHANNEL/FLOODPLAIN IMPROVEMENTS

PR. CHANNEL ALIGNMENT

PR. 100-YR FLOODPLAIN BOUNDARY (TYP.)

EX. UTILITY EASEMENT R.N. 217152003

EX. 150' PERMANENT EASEMENT AGREEMENT R.N 218010561

EAST FORK JIMMY CAMP CREEK FLOW

PR. SCULPTED CONCRETE DROP STRUCTURE (TYP.)

CHANNEL ACCESS VEHICULAR RAMP (TYP.)

PR. OVERBANK SHEETPILE PROTECTED BY RIPRAP SEE DT03

END PHASE 1 SEE PHASE 2 PLANS

PR. BRADLEY RD. CROSSING. SEE PP07

BRADLEY RD. WIDENING TO BE COMPLETED BY OTHERS

SANITARY SEWER LINE TO BE INSTALLED BY OTHERS PRIOR TO CONSTRUCTION

COUNTY ACCESS ROAD / MULTI-USE TRAIL SEE TP01 - TP09

WATERLINE TO BE INSTALLED BY OTHERS PRIOR TO CONSTRUCTION

PR. PHASE 2 CHANNEL ALIGNMENT

PR. ELECTRICAL SUBSTATION (BY OTHERS)

MATCHLINE THIS SHEET

FUTURE POND TO BE INSTALLED BY OTHERS AFTER CHANNEL CONSTRUCTION IS COMLETE

FUTURE ROAD BY OTHERS

FUTURE STORM INFRASTRUCTURE BY OTHERS

FUTURE WATERLINE BY OTHERS

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129-UTILITIES_BY_OTHERS
X-1129-ROADS_STORM_BY_OTHERS
X-1129-POND_C_BY_OTHERS
X-1129-LOD_LOWER
X-1129.009-AERIAL

No.	DATE	DESCRIPTION	BY

REVISIONS

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100% DESIGN PLANS

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PREPARED BY:
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Excellence by Design

SEAL

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ROLLING MEADOWS FLOODPLAIN MODIFICATIONS- PHASE 1
100% DESIGN PLANS

OVERALL DRAINAGE PLAN

DESIGNED BY:	TKM	SCALE	DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	RPD	HORIZ. 1" = 250'			
CHECKED BY:	DJB	VERT. N/A	SHEET	04 OF 53	DR01

Know what's below. Call before you dig.

CHANNEL ALIGNMENT LINE TABLE		
LINE #	BEARING	DISTANCE
L1	N07°51'27"W	42.58'
L2	N07°51'27"W	42.58'
L3	N13°25'08"W	22.15'
L4	N01°50'22"W	5.13'
L5	N12°54'24"E	32.53'
L6	N08°01'34"W	85.45'
L7	N37°58'22"W	27.61'
L8	N17°38'36"W	44.74'
L9	N47°21'48"W	31.15'
L10	N06°58'09"W	28.34'
L11	N06°58'09"W	28.34'
L12	N44°33'57"W	29.90'
L13	N22°46'13"E	32.22'
L14	N25°31'15"W	29.70'
L15	N19°41'48"E	100.00'
L16	N11°25'39"W	30.27'
L17	N42°46'08"E	30.92'
L18	N18°14'30"E	101.86'
L19	N54°32'53"E	30.50'
L20	N02°10'45"W	30.10'

CHANNEL ALIGNMENT LINE TABLE		
LINE #	BEARING	DISTANCE
L21	N53°32'50"E	31.83'
L22	N05°57'22"E	31.20'
L23	N36°35'39"E	109.89'
L24	N03°47'00"E	29.60'
L25	N26°41'36"E	35.26'
L26	N11°22'52"W	39.59'
L27	N10°24'44"E	38.57'
L28	N37°55'00"W	30.16'
L29	N12°34'08"E	33.67'
L30	N35°25'21"W	114.96'
L31	N06°55'12"W	31.22'
L32	N35°07'35"W	119.31'
L33	N02°40'40"W	31.00'
L34	N48°49'19"W	32.23'
L35	N05°50'46"E	34.62'
L36	N17°30'34"W	32.72'
L37	N30°05'53"E	29.55'
L38	N14°40'10"E	122.92'
L39	N38°48'05"E	30.67'
L40	N20°29'53"W	31.23'

CHANNEL ALIGNMENT LINE TABLE		
LINE #	BEARING	DISTANCE
L41	N09°37'57"E	123.18'
L42	N27°31'08"W	29.73'
L43	N20°30'40"E	30.80'
L44	N20°29'51"W	30.07'
L45	N07°29'08"E	112.52'
L46	N25°52'57"W	30.12'
L47	N18°16'47"E	30.97'
L48	N30°06'51"W	30.95'
L49	N17°05'31"E	30.56'
L50	N31°19'47"W	86.68'
L51	N05°52'46"E	30.27'
L52	N39°18'30"W	30.10'
L53	N02°30'25"E	30.80'
L54	N38°30'10"W	29.70'
L55	N07°36'28"W	100.00'
L56	N40°37'52"W	31.40'
L57	N01°17'52"E	35.64'
L58	N26°59'11"W	108.02'
L59	N12°00'38"E	30.86'
L60	N18°11'10"W	45.00'

CHANNEL ALIGNMENT LINE TABLE		
LINE #	BEARING	DISTANCE
L61	N32°28'08"E	32.36'
L62	N10°34'22"E	130.66'
L63	N41°12'55"E	29.70'
L64	N08°49'33"E	106.12'
L65	N35°27'33"E	44.47'
L66	N05°32'49"E	45.17'
L67	N52°12'17"E	42.64'
L68	N26°45'46"E	120.57'
L69	N26°44'49"E	262.85'
L70	N64°38'57"E	33.33'

MAINTENANCE ACCESS ROAD EAST LINE TABLE		
LINE #	BEARING	DISTANCE
L71	N37°44'50"E	102.64'
L72	N45°48'43"E	196.29'
L73	N24°29'36"E	111.55'
L74	N67°12'25"E	86.32'
L75	N02°14'47"E	425.73'
L76	N37°56'04"W	88.82'
L77	N08°17'05"E	76.81'

MAINTENANCE ACCESS ROAD EAST LINE TABLE		
LINE #	BEARING	DISTANCE
L78	N27°49'25"E	597.67'
L79	N25°21'08"W	459.32'
L80	N18°47'31"E	102.42'
L81	N01°37'36"W	834.81'
L82	N17°38'55"W	905.97'
L83	N17°45'58"E	490.10'
L84	N30°50'58"E	223.13'

MAINTENANCE ACCESS ROAD WEST LINE TABLE		
LINE #	BEARING	DISTANCE
L85	S89°41'52"E	301.52'
L86	N30°47'15"E	469.70'
L87	N39°54'26"E	377.27'
L88	N04°59'12"W	99.67'
L89	N36°06'25"W	99.15'
L90	N27°15'27"E	751.14'
L91	N23°07'06"W	722.34'
L92	N22°38'59"E	184.94'
L93	N01°37'36"W	737.74'
L94	N17°38'55"W	1072.78'

MAINTENANCE ACCESS ROAD WEST LINE TABLE		
LINE #	BEARING	DISTANCE
L95	N20°06'38"E	329.14'
L96	N29°20'25"E	298.42'
L97	N57°31'21"E	146.58'
L98	N26°45'46"E	232.27'

CHANNEL ALIGNMENT LINE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C1	19.89	43.05'	26°28'07"
C2	46.47	171.82'	15°29'49"
C3	46.47	171.82'	15°29'49"
C4	16.28	80.00'	11°39'47"
C5	18.46	50.00'	21°09'27"
C6	30.98	45.00'	39°26'28"
C7	21.29	120.00'	10°09'53"
C8	21.29	120.00'	10°09'53"
C9	62.25	120.00'	29°43'12"
C10	82.02	125.00'	37°35'48"
C11	76.39	65.00'	67°20'10"
C12	42.51	50.44'	48°17'28"
C13	74.63	94.57'	45°13'03"
C14	58.27	107.26'	31°07'27"
C15	75.67	80.00'	54°11'47"
C16	34.23	79.96'	24°31'38"
C17	46.94	74.07'	36°18'22"
C18	60.18	60.78'	56°43'37"
C19	59.43	61.10'	55°43'34"
C20	68.11	82.00'	47°35'28"
C21	59.89	112.00'	30°38'17"
C22	71.84	125.46'	32°48'39"
C23	41.98	105.00'	22°54'36"
C24	92.94	139.86'	38°04'28"
C25	24.53	64.49'	21°47'36"
C26	53.26	63.14'	48°19'44"
C27	61.06	69.30'	50°29'08"
C28	43.22	51.60'	47°59'30"
C29	66.49	133.66'	28°30'09"
C30	39.38	80.00'	28°12'23"

CHANNEL ALIGNMENT LINE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C31	32.69	57.72'	32°26'56"
C32	59.41	73.77'	46°08'39"
C33	62.88	65.90'	54°40'05"
C34	46.98	115.26'	23°21'20"
C35	83.09	100.00'	47°36'27"
C36	20.33	75.50'	15°25'43"
C37	36.22	86.00'	24°07'55"
C38	51.75	50.00'	59°17'58"
C39	34.18	65.00'	30°07'51"
C40	43.44	67.00'	37°09'06"
C41	54.32	64.80'	48°01'49"
C42	75.15	105.00'	41°00'32"
C43	39.77	81.43'	27°59'00"
C44	39.06	67.06'	33°22'05"
C45	92.49	120.00'	44°09'43"
C46	71.37	84.50'	48°23'38"
C47	40.37	49.00'	47°12'22"
C48	41.58	49.20'	48°25'18"
C49	43.51	67.00'	37°12'33"
C50	41.74	52.93'	45°11'16"
C52	75.31	105.21'	41°00'36"
C53	57.67	106.96'	30°53'43"
C54	38.92	67.53'	33°01'24"
C55	57.08	78.00'	41°55'44"
C56	48.14	97.51'	28°17'03"
C57	85.08	125.00'	38°59'49"
C58	55.76	105.80'	30°11'48"
C59	62.33	70.50'	50°39'17"
C60	33.56	87.83'	21°53'46"
C61	51.90	97.05'	30°38'33"

CHANNEL ALIGNMENT LINE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C62	48.05	85.00'	32°23'22"
C63	23.24	50.00'	26°38'00"
C64	75.70	145.00'	29°54'44"
C65	118.08	145.00'	46°39'28"
C66	35.52	80.00'	25°26'31"
C67	60.97	90.00'	38°48'45"
C68	48.26	50.00'	55°18'13"

MAINTENANCE ACCESS ROAD EAST LINE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C69	41.71	100.00'	23°53'44"
C70	37.21	100.00'	21°19'08"
C71	74.55	100.00'	42°42'49"
C72	566.89	500.00'	64°57'38"
C73	350.64	500.00'	40°10'51"
C74	403.34	500.00'	46°13'09"
C75	102.31	300.00'	19°32'20"
C76	791.66	853.00'	53°10'33"
C77	190.30	247.00'	44°08'38"
C78	178.19	500.00'	20°25'07"
C79	139.82	500.00'	16°01'19"
C80	309.05	500.00'	35°24'54"
C81	83.78	447.00'	10°44'20"

MAINTENANCE ACCESS ROAD WEST LINE TABLE			
CURVE #	ARC LENGTH	RADIUS	DELTA ANGLE
C82	311.62	300.00'	59°30'53"
C83	47.75	300.00'	9°07'11"
C84	235.06	300.00'	44°53'38"
C85	162.95	300.00'	31°07'13"
C86	884.74	800.00'	63°21'52"
C87	263.77	300.00'	50°22'34"
C88	239.64	300.00'	45°46'06"
C89	127.11	300.00'	24°16'36"
C90	83.89	300.00'	16°01'19"
C91	197.71	300.00'	37°45'33"
C92	16.11	100.00'	9°13'47"
C93	49.19	100.00'	28°10'57"
C94	53.98	100.00'	30°55'45"
C95	81.45	100.00'	46°40'08"
C96	31.85	500.00'	3°38'59"
C97	82.72	100.00'	47°23'51"

PR. CHANNEL ALIGNMENT

PR. MAINTENANCE ACCESS ROAD AND TRAIL WEST

PR. MAINTENANCE ACCESS ROAD AND TRAIL EAST

BEGIN GRADING
STA. 12+98.57
N=1,334,150.56
E=3,250,246.99

DESCRIPTION: FND BASELINE MARK 430
POINT #: 15
POINT ELEVATION: 5815.43

MATCHLINE: SEE PHASE 2 DESIGN PLANS

END PHASE 1/ BEGIN PHASE 2
STA. 84+02.52
N=1,340,655.13
E=3,250,322.43

BRADLEY RD

DESCRIPTION: SET60DNAIL DRONECNTRL
POINT #: 212
POINT ELEVATION: 5793.29

DESCRIPTION: 60DN TARGET
POINT #: 224
POINT ELEVATION: 5776.75

LORSON RANCH EAST

GRAPHIC SCALE

300 0 150 300 600

(IN FEET)
1 inch = 300 ft.

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
15	1340262.3320	3249673.8080	5815.43	FND BASELINE MARK 430
160	1339139.0370	3254160.6140	5874.34	FND2INBCAP BMELE100
212	1338881.7040	3251208.6000	5793.29	SET60DNAIL DRONECNTRL
224	1335795.1120	3251527.3980	5776.75	60DN TARGET

POINT DESCRIPTION: FND2INBCAP BMELE100
POINT #: 160
POINT ELEVATION: 5874.34

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PARCELS
43133FIELD
X-1129-UTILITIES
X-1129-CONTROL PTS
X-1129-CONTROL PTS_1.24.2023
X-1129.009-AERIAL

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-HZ01-02.dwg
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THE LANDHUIS COMPANY

PREPARED BY:
Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

THE LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS- PHASE 1
100% DESIGN PLANS

HORIZONTAL CONTROL PLAN

DESIGNED BY: TKM
DRAWN BY: RPD
CHECKED BY: DJB
SCALE HORIZ. 1" = 300'
SCALE VERT. N/A
DATE ISSUED: MAY 2026
SHEET 05 OF 53
DRAWING No. HC01

GRAPHIC SCALE

250 0 125 250 500

(IN FEET)
1 inch = 250 ft.

CONTOUR INTERVALS ARE 2' AND 10'

Know what's below. Call before you dig.

PP02
PP03
PP04
PP05
PP06
PP07

500-TRACT FOR PR. CHANNEL/FLOODPLAIN IMPROVEMENTS

REVIEW CHANGE BOUNDARY
STA. 30+89.22

FUTURE POND TO BE INSTALLED BY OTHERS AFTER CHANNEL CONSTRUCTION IS COMPLETE

END PHASE 1 / BEGIN PHASE 2

BRADLEY ROAD

BEGIN CITY OF COLORADO SPRINGS REVIEW OF CHANNEL DESIGN

BEGIN EL PASO COUNTY REVIEW OF CHANNEL DESIGN

LORSON RANCH EAST

0+00 5+00 10+00 15+00 20+00 25+00 30+00 35+00 40+00 45+00 50+00 55+00 60+00 65+00 70+00 75+00 80+00

REFERENCE DRAWINGS
X-1129-MDG22x34
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-LOD_LOWER
X-1129-PARCELS
X-1129-POND_C_BY_OTHERS
X-1129-UTILITIES
X-1129-PR STRUCT- PHASE 1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-PP01.dwg
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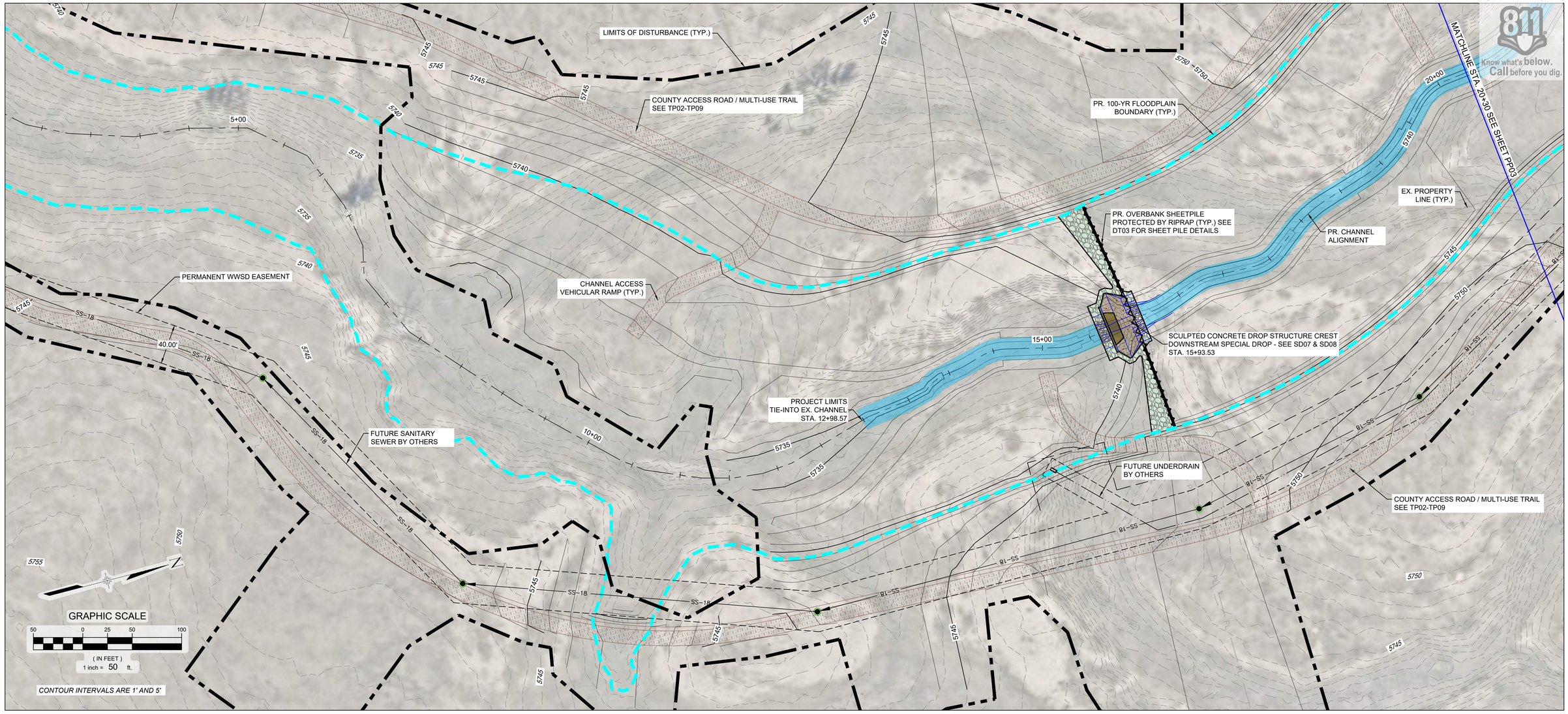
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

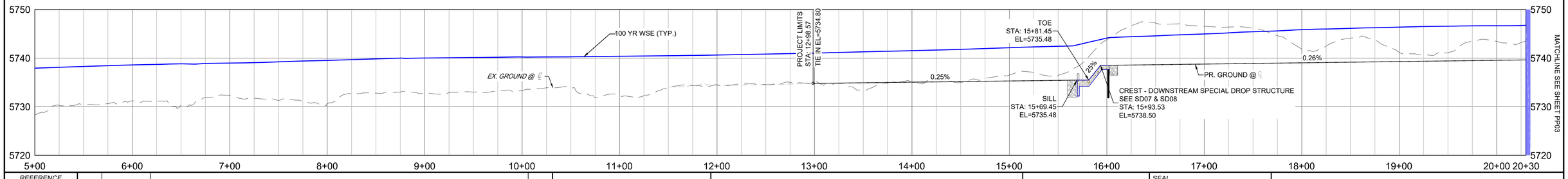
LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

PLAN AND PROFILE OVERVIEW

DESIGNED BY:	TKM	*SCALE*	*DATE ISSUED:*	MAY 2026	*DRAWING No.*
DRAWN BY:	RPD	*HORIZ.* 1" = 250'			PP01
CHECKED BY:	DJB	*VERT.* N/A	*SHEET*	06 *OF* 53	





REFERENCE DRAWINGS
X-1129-MDG22x34
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-LOD_LOWER
X-1129-PARCELS
X-1129-POND_C_BY_OTHERS
X-1129-UTILITIES
X-1129-PR STRUCT- PHASE 1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-PP01.dwg
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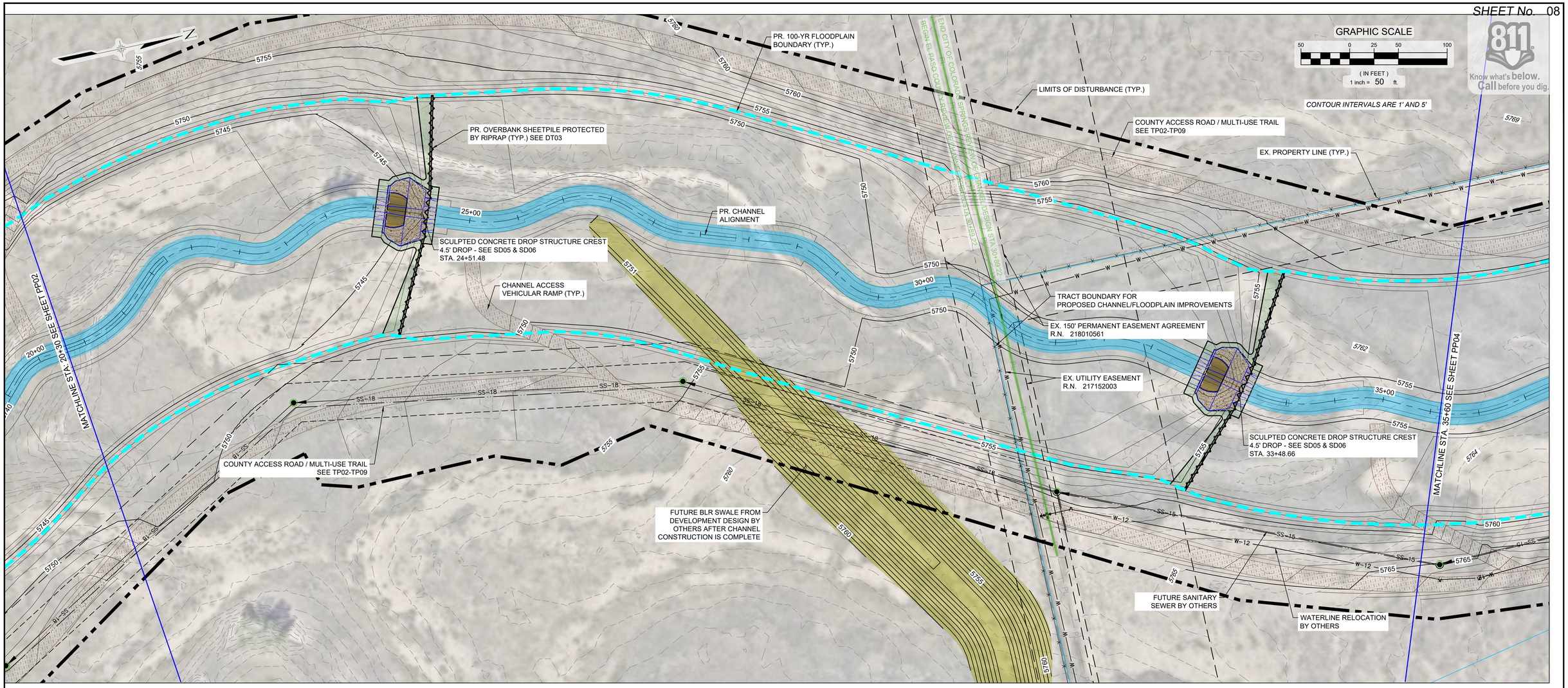
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

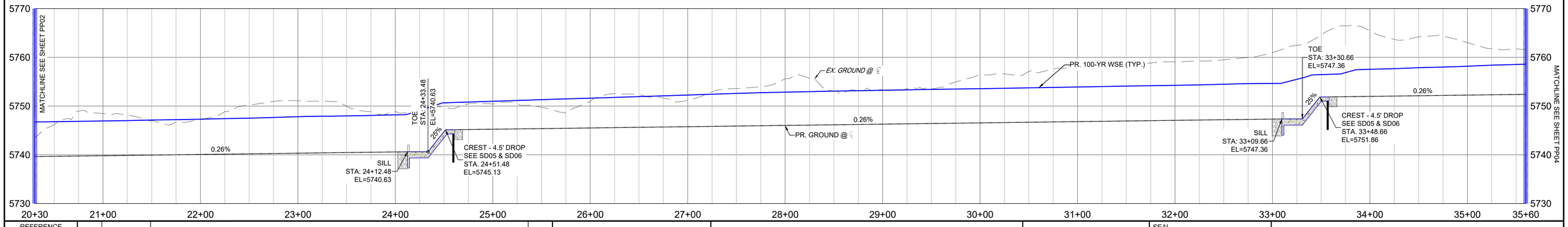
LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

PLAN AND PROFILE
STA 5+00 TO 20+30

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	RPD	HORIZ.	1" = 50'			
CHECKED BY:	DJB	VERT.	1" = 10'	SHEET	07 OF 53	PP02





REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-LOD_LOWER
X-1129-PARCELS
X-1129-POND_C_BY_OTHERS
X-1129-UTILITIES
X-1129-PR STRUCT- PHASE 1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-PP01.dwg
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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

PLAN AND PROFILE
STA 20+30 TO 35+60

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
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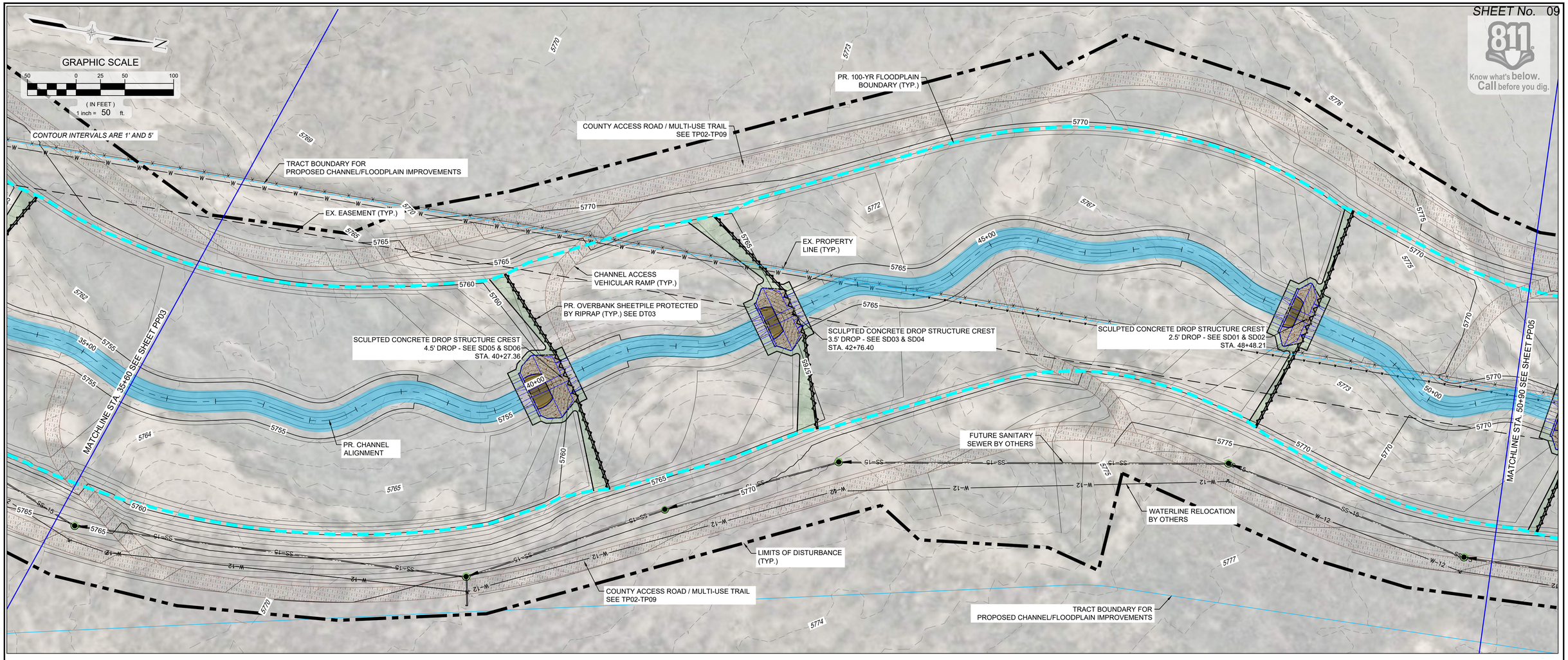
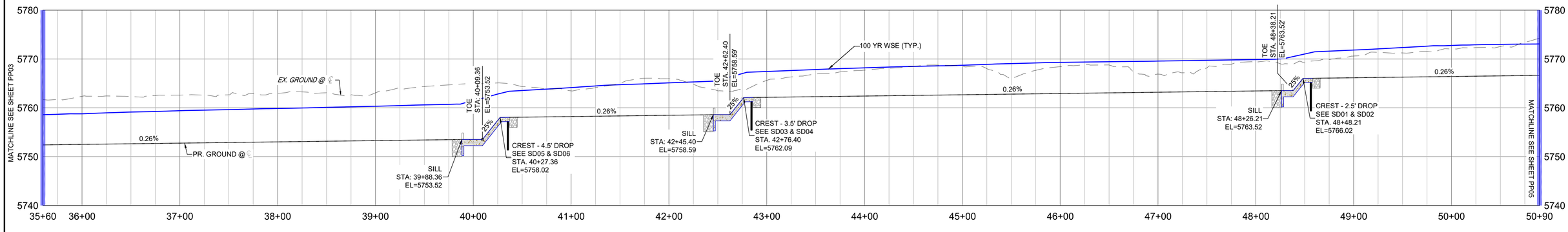
CHECKED BY:	DJB	VERT.	1" = 10'	SHEET	08 OF 53

DRAWING No. PP03





REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-LOD_LOWER
X-1129-PARCELS
X-1129-POND_C_BY_OTHERS
X-1129-UTILITIES
X-1129-PR STRUCT- PHASE 1

No.	DATE	DESCRIPTION	BY

REVISIONS

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FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-PP01.dwg
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100% DESIGN PLANS

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PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

PLAN AND PROFILE
STA 35+60 TO 50+90

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
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CHECKED BY:	DJB	VERT.	1" = 10'	SHEET	09 OF 53

DRAWING No. PP04

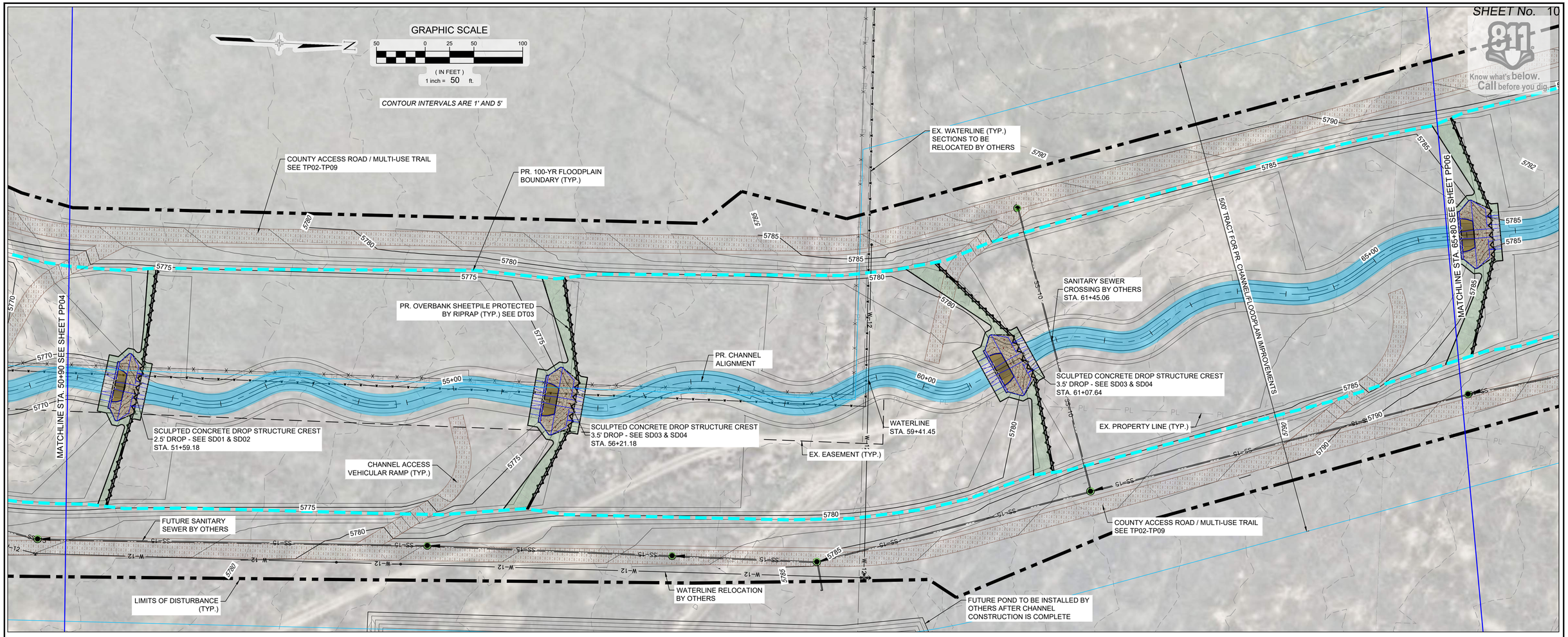
GRAPHIC SCALE

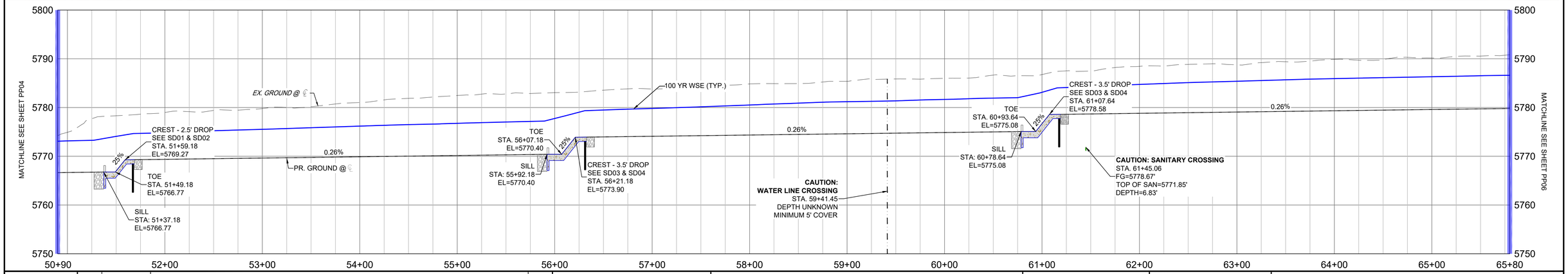
50 0 25 50 100

(IN FEET)

1 inch = 50 ft.

CONTOUR INTERVALS ARE 1' AND 5'





REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-LOD_LOWER
X-1129-PARCELS
X-1129-POND_C_BY_OTHERS
X-1129-UTILITIES
X-1129-PR STRUCT- PHASE 1

No.	DATE	DESCRIPTION	BY

REVISIONS

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FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-PP01.dwg
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100% DESIGN PLANS

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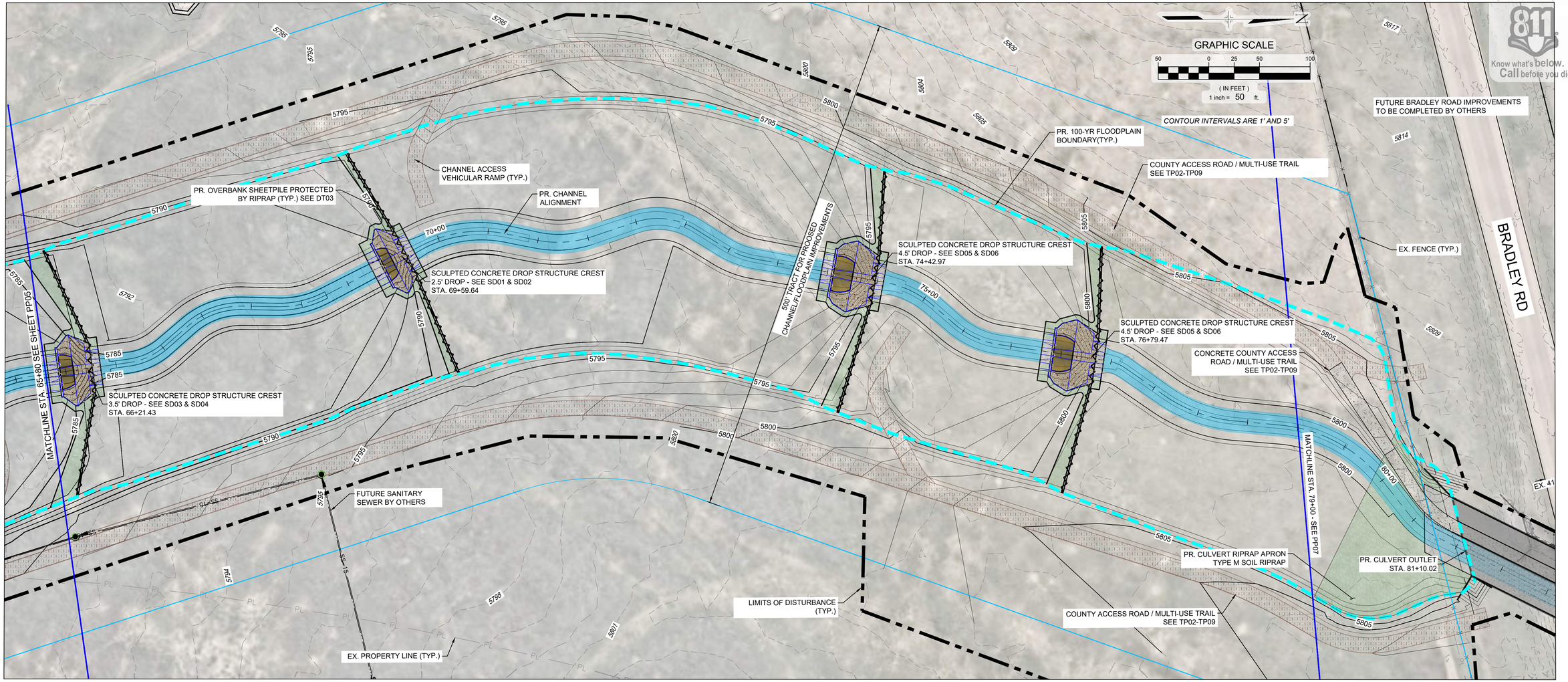
PROJECT No. 21.1129.009

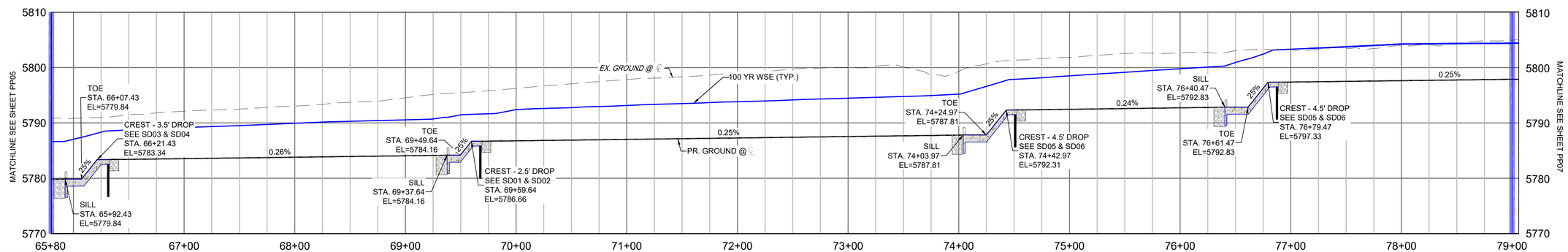
LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

PLAN AND PROFILE
STA 50+90 TO 65+80

		SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DESIGNED BY:	TKM	HORIZ.	1" = 50'	SHEET	10 OF 53	PP05
DRAWN BY:	RPD	VERT.	1" = 10'			
CHECKED BY:	DJB					





REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-LOD_LOWER
X-1129-PARCELS
X-1129-POND_C_BY_OTHERS
X-1129-UTILITIES
X-1129-PR STRUCT- PHASE 1

No.	DATE	DESCRIPTION	BY

REVISIONS

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100% DESIGN PLANS

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PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

PLAN AND PROFILE
STA 65+80 TO 79+00

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 50'		
CHECKED BY:	DJB	VERT.	1" = 10'	SHEET	11 OF 53

DRAWING No. PP06

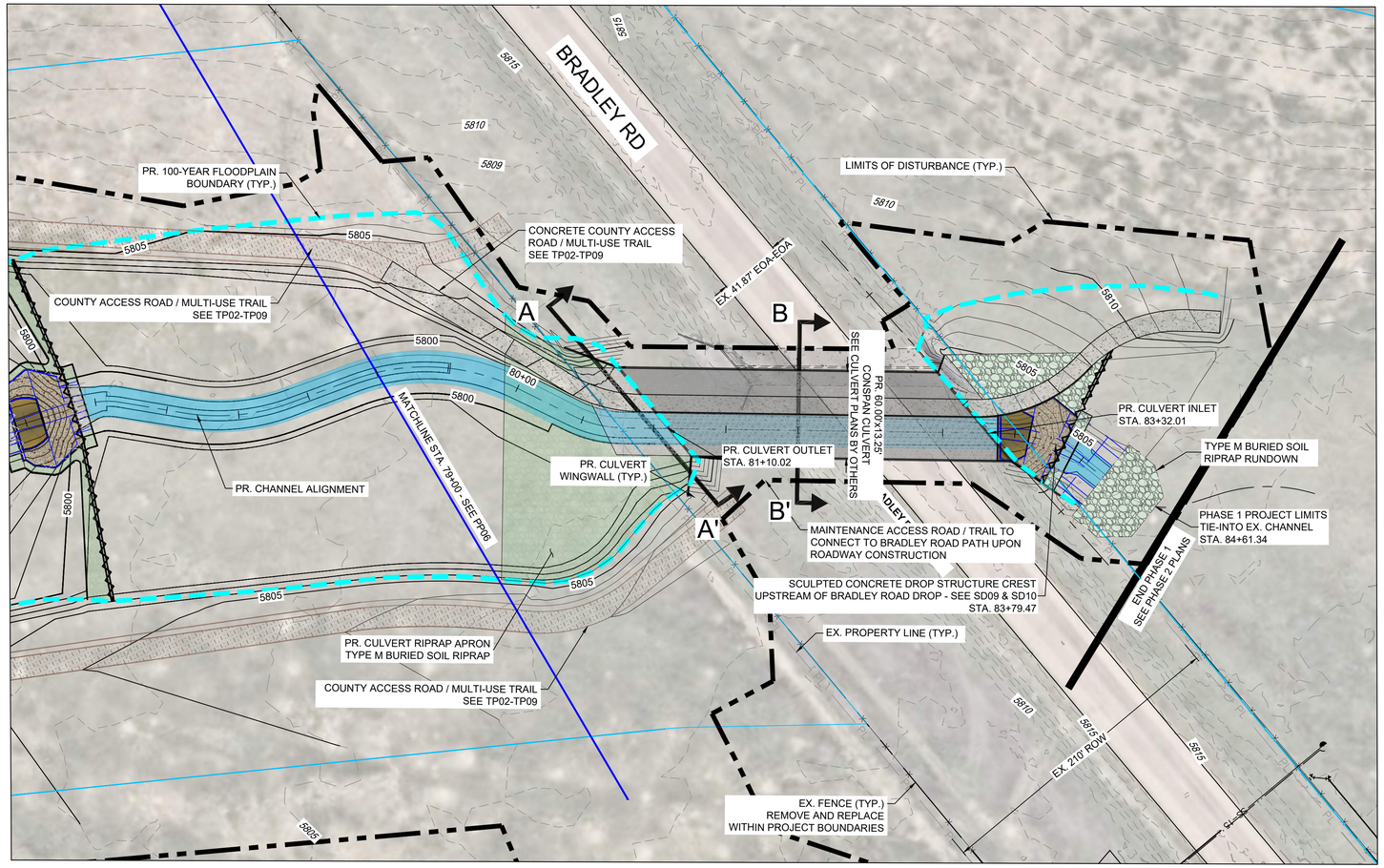
GRAPHIC SCALE

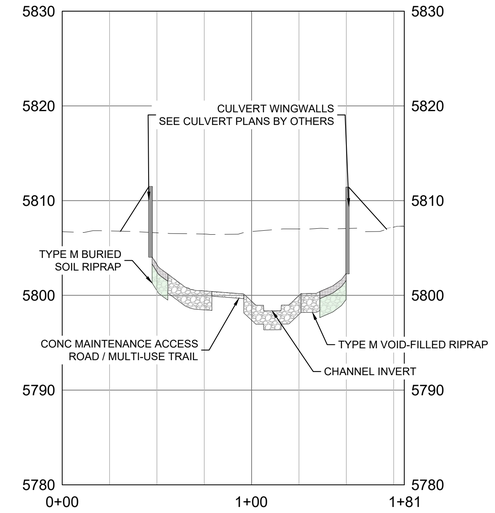
50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

CONTOUR INTERVALS ARE 1' AND 5'

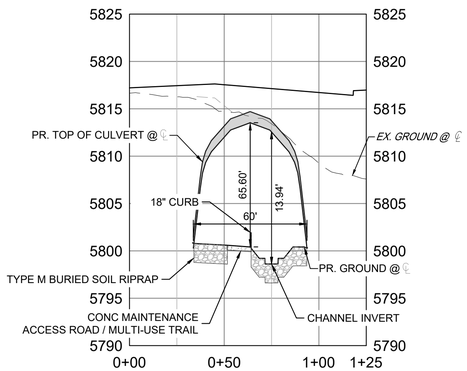
NOTE: REFER TO FINAL DESIGN PLANS FOR CULVERTS. TO BE COMPLETED BY THE CULVERT MANUFACTURER

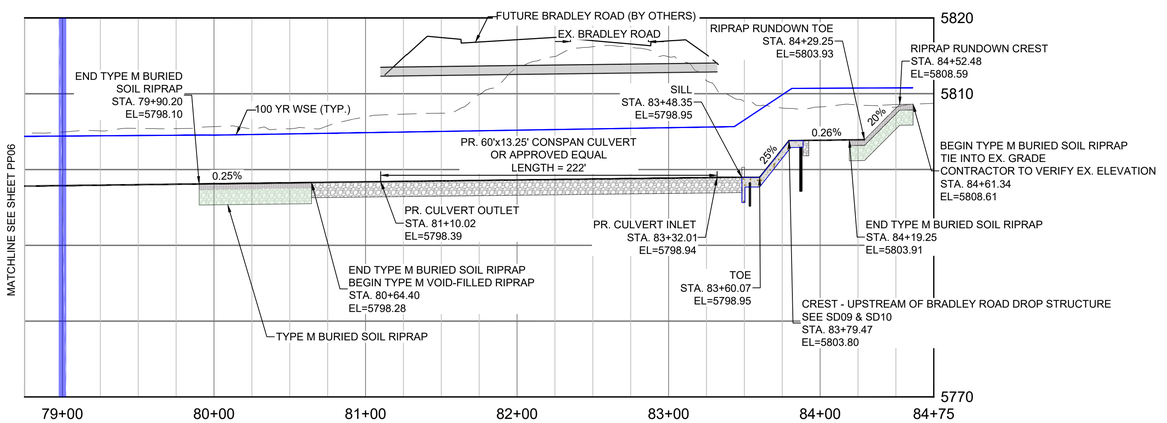




A-A' CROSS SECTION AT STATION 80+99

40 0 40 80
SCALE IN FEET
HORIZONTAL SCALE





50 0 50 100
SCALE IN FEET
HORIZONTAL SCALE

B-B' CROSS SECTION AT STATION 82+00

40 0 40 80
SCALE IN FEET
HORIZONTAL SCALE

REFERENCE DRAWINGS
X-1129-MDG22x34
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-LOD_LOWER
X-1129-PARCELS
X-1129-POND_C_BY_OTHERS
X-1129-UTILITIES
X-1129-PR STRUCT- PHASE 1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-PP01.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:45:39 AM
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100% DESIGN PLANS

NOTICE:
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THE LANDHUIS COMPANY

PREPARED BY:
Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS- PHASE 1
100% DESIGN PLANS

PLAN AND PROFILE
STA 79+00 TO 84+52

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	RPD	HORIZ.	VARIES			
CHECKED BY:	DJB	VERT.	1" = 10'	SHEET	12 OF 53	PP07

GRAPHIC SCALE

250 0 125 250 500

(IN FEET)
1 inch = 250 ft.

CONTOUR INTERVALS ARE 2' AND 10'

Know what's below. Call before you dig.

500' TRACT FOR PR. CHANNEL/FLOODPLAIN IMPROVEMENTS

TP02 TP03 TP04 TP05 TP06 TP07 TP08 TP09

END PHASE 1 / BEGIN PHASE 2

BRADLEY ROAD

COUNTY ACCESS ROAD / MULTI-USE TRAIL (TYP.)

CHANNEL ACCESS VEHICULAR RAMP (TYP.)

FUTURE POND TO BE INSTALLED BY OTHERS AFTER CHANNEL CONSTRUCTION IS COMPLETE

PR. CHANNEL CENTERLINE ALIGNMENT

WEST TRAIL - PHASE 1 ALIGNMENT

EAST TRAIL - PHASE 1 ALIGNMENT

LORSON RANCH EAST

REFERENCE DRAWINGS
X-1129-PARCELS
X-1129-UTILITIES
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-POND_C_BY_OTHERS

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-TP01.dwg
CTB FILE: Matrix(black).ctb
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SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TRAIL PLAN AND PROFILE OVERVIEW

DESIGNED BY:	TKM	SCALE	DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	RPD	HORIZ. 1" = 250'			
CHECKED BY:	DJB	VERT. N/A	SHEET	13 OF 53	TP01

Know what's below. Call before you dig.

TIE IN TO EX. MAINTENANCE ACCESS ROAD
CONTRACTOR TO VERIFY EX.
LOCATION & ELEVATION
STA. 0+92.04 (32.58', L)
EL=5732.01

TIE IN TO EX. MAINTENANCE ACCESS ROAD
CONTRACTOR TO VERIFY EX.
LOCATION & ELEVATION
STA. 0+92.04
EL=5730.41

TIE IN TO EX. MAINTENANCE ACCESS ROAD
CONTRACTOR TO VERIFY EX.
LOCATION & ELEVATION
STA. 0+92.04 (32.58', R)
EL=5728.41

COUNTY ACCESS ROAD / MULTI-USE TRAIL
SEE SHEET DT02 FOR TYPICAL SECTION

LIMITS OF DISTURBANCE (TYP.)

N 30°47'15" E
469.70'

S 89°41'52" E
301.52'

PC: 3+80.06

PT: 6+91.68

WEST TRAIL - PHASE 1 ALIGNMENT

Δ=59°30'53"
R=300.00'
L=311.62'
ChB=N60°32'41"E
ChL=297.80'

CAUTION: SANITARY SEWER CROSSING
STA. 4+68.49

PR. 100-YR FLOODPLAIN
BOUNDARY (TYP.)

MATCHLINE SEE SHEET TP03

EX. PROPERTY LINE (TYP.)

PR. CHANNEL CENTERLINE ALIGNMENT
SEE SHEETS PP02 - PP07

EX. MAINTENANCE ACCESS ROAD

PR. SANITARY SEWER
BY OTHERS

CAUTION: SANITARY SEWER CROSSING
STA. 2+16.68

CAUTION: SANITARY SEWER CROSSING
STA. 4+80.10

CAUTION: SANITARY SEWER CROSSING
STA. 5+52.95

COUNTY ACCESS ROAD / MULTI-USE TRAIL
SEE SHEET DT02 FOR TYPICAL SECTION

Δ=42°42'49"
R=100.00'
L=74.55'
ChB=N45°51'00"E
ChL=72.83'

PC: 5+03.47
PT: 5+78.01

PC: 6+64.34

Δ=64°57'38"
R=500.00'
L=566.89'
ChB=N34°43'36"E
ChL=537.01'

N 67°12'25" E
86.32'

N 24°29'36" E
111.55'

PC: 3+58.42
PT: 4+41.71

Δ=23°53'44"
R=100.00'
L=41.71'
ChB=N49°41'43"E
ChL=41.40'

TIE IN TO EX. MAINTENANCE ACCESS ROAD
CONTRACTOR TO VERIFY EX.
LOCATION & ELEVATION
STA. 0+00.00
EL=5739.05

N 37°44'50" E
102.64'

PC: 1+44.05
PT: 1+58.12

Δ=8°03'53"
R=100.00'
L=14.08'
ChB=N41°46'47"E
ChL=14.06'

EAST TRAIL - PHASE 1 ALIGNMENT

N 45°48'43" E
196.29'

PC: 2+54.71
PT: 3+01.92

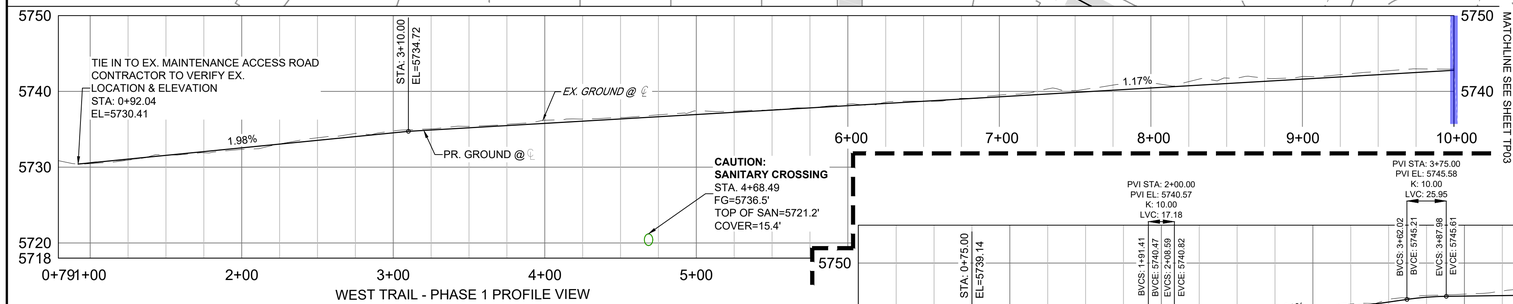
Δ=21°19'08"
R=100.00'
L=37.21'
ChB=N35°09'10"E
ChL=36.99'

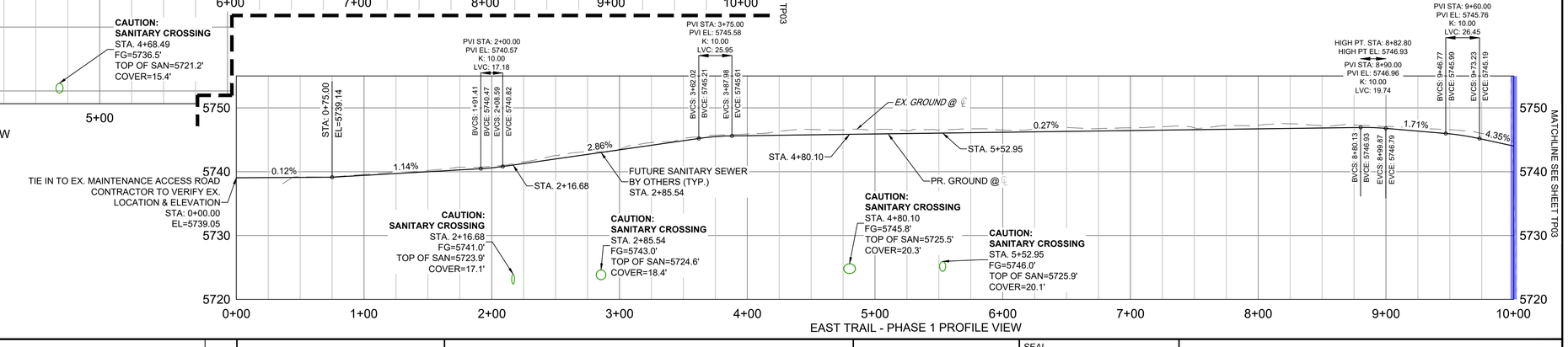
CAUTION: SANITARY SEWER CROSSING
STA. 2+85.54

LORSON RANCH EAST

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

CONTOUR INTERVALS ARE 1' AND 5'





NOTE: WATER MAIN AND SANITARY SEWER LOCATIONS AND ELEVATIONS SHOWN IN THESE PLANS ARE BASED ON PRELIMINARY UTILITY PLANS DATED DECEMBER 2024, PREPARED BY CORE ENGINEERING GROUP. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE APPROVED / AS-BUILT UTILITY PLAN SET PRIOR TO CONSTRUCTION.

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-POND_C_BY_OTHERS

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-TP02.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:46:39 AM
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100% DESIGN PLANS

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THE LANDHUIS COMPANY

PREPARED BY:
Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

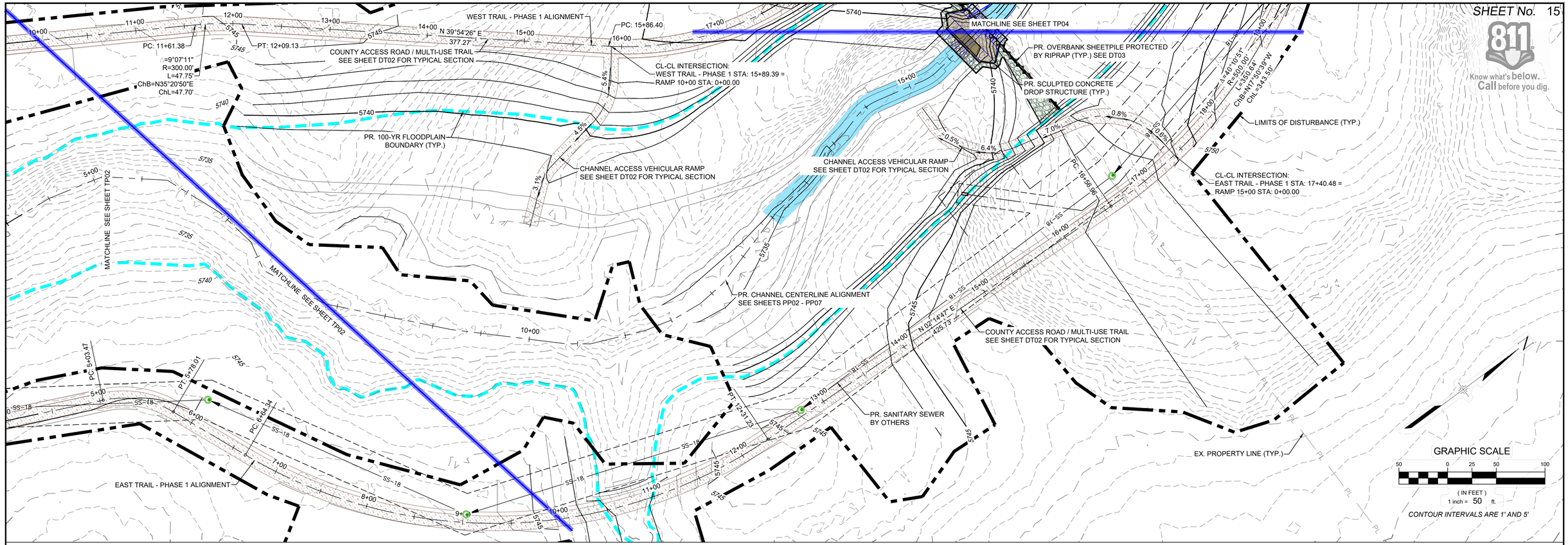
LANDHUIS COMPANY

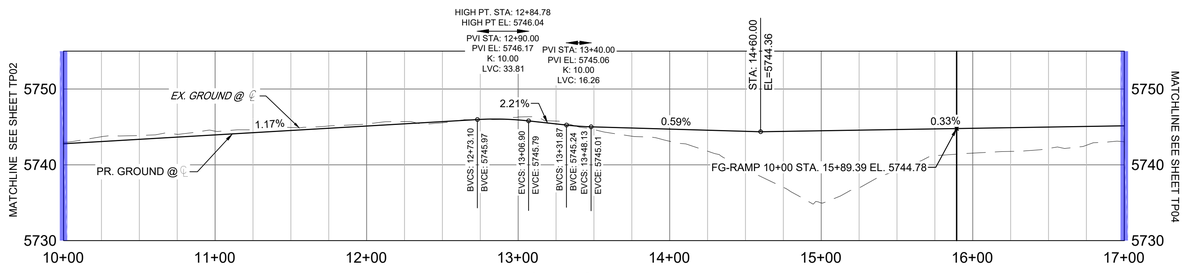
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

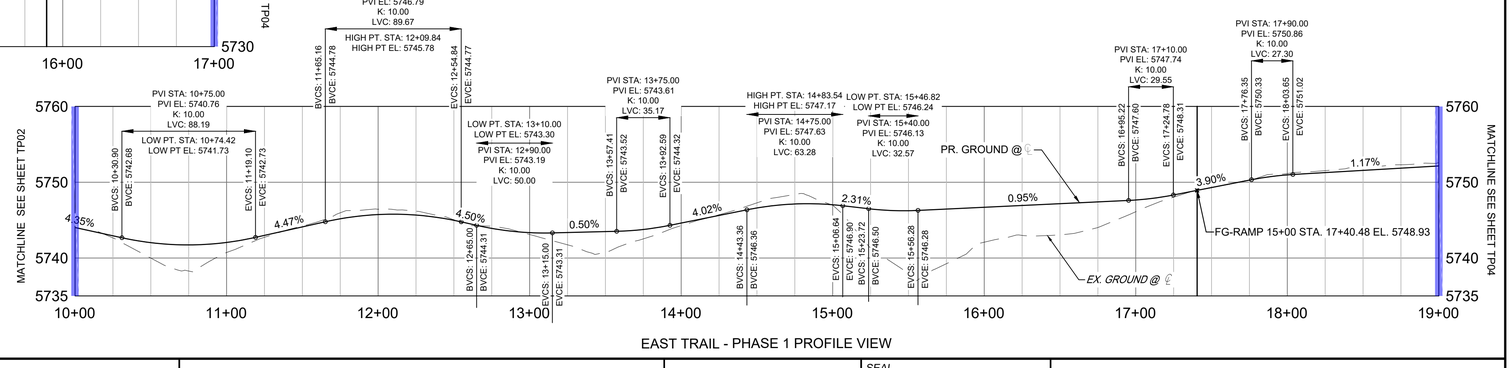
TRAIL PLAN AND PROFILE
STA 0+00 TO 10+00

DESIGNED BY:	TKM	*SCALE*		*DATE ISSUED:*	MAY 2026
DRAWN BY:	RPD	*HORIZ.*	1" = 50'		
CHECKED BY:	DJB	*VERT.*	1" = 10'	*SHEET*	14 OF 53

DRAWING No. TP02







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REFERENCE DRAWINGS

- X-1129-PARCELS
- X-1129-UTILITIES
- X-1129-MDG22x34
- X-1129-PR STRUCT- PHASE 1
- X-1129-LOD_LOWER
- X-1129-UTILITIES_BY_OTHERS
- X-1129.009-AERIAL_Phase1
- X-1129.009-AERIAL_Phase2
- X-1129-POND_C_BY_OTHERS

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-TP02.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:46:46 AM
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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

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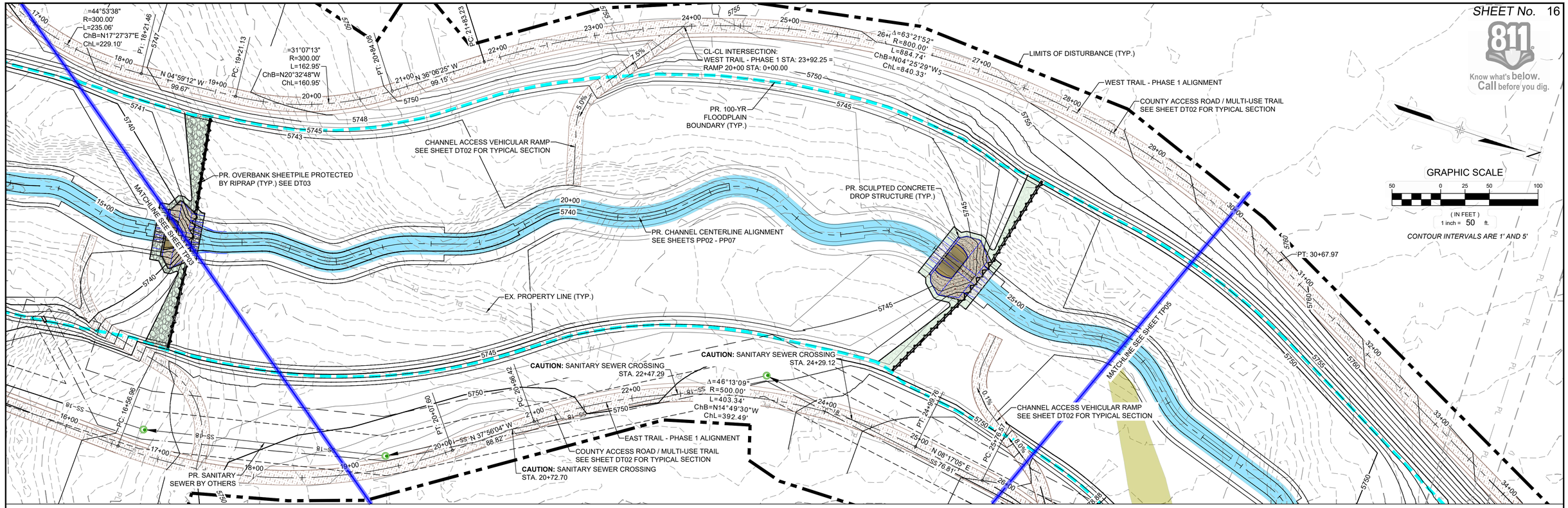
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

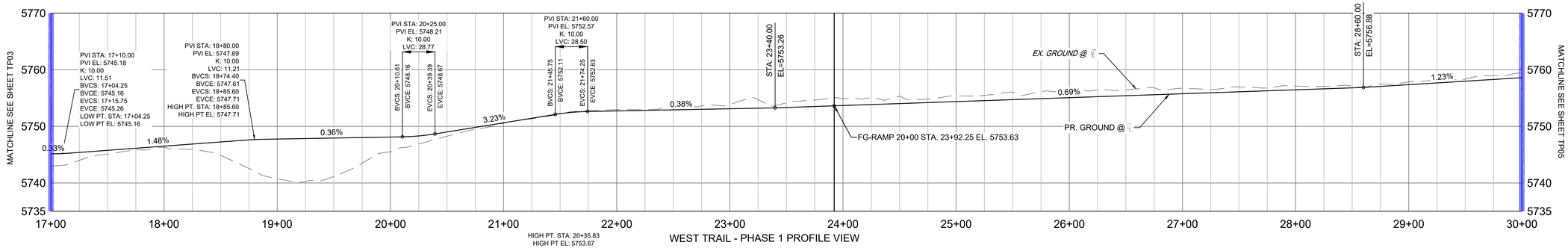
LANDHUIS COMPANY

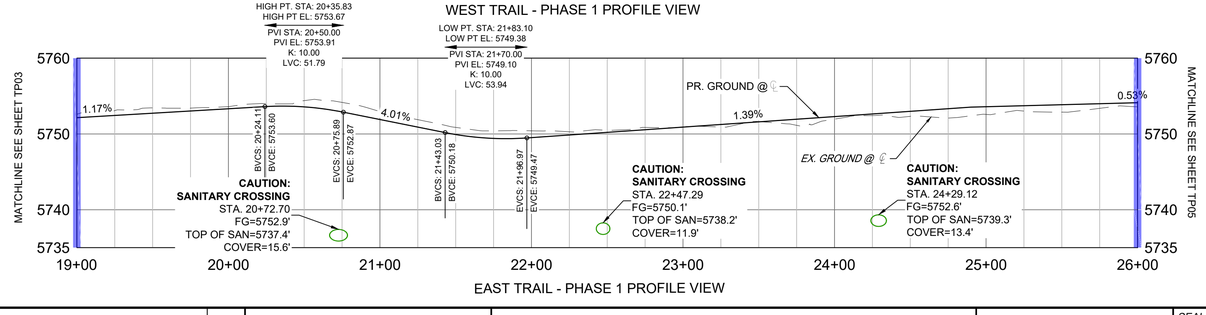
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TRAIL PLAN AND PROFILE
STA 10+00 TO 19+00

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	RPD	HORIZ.	1" = 50'			
CHECKED BY:	DJB	VERT.	1" = 10'	SHEET	15 OF 53	TP03







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REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-POND_C_BY_OTHERS

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-TP02.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:46:53 AM
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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

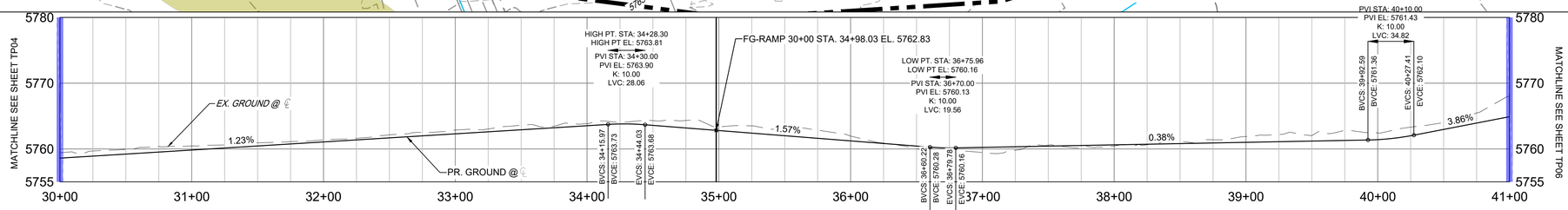
TRAIL PLAN AND PROFILE

DESIGNED BY:	TKM	SCALE	DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ. 1" = 50'		
CHECKED BY:	DJB	VERT. 1" = 10'	SHEET	16 OF 53

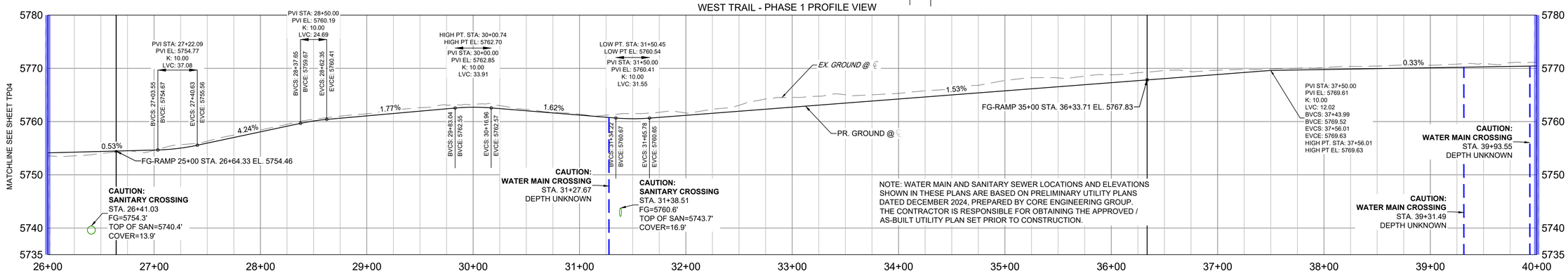
DRAWING No. TP04

WEST TRAIL - PHASE 1 ALIGNMENT
EX. PROPERTY LINE (TYP.)
PT: 30+67.97
CL-CL INTERSECTION: WEST TRAIL - PHASE 1 STA: 34+98.03 = RAMP 30+00 STA: 0+00.00
LIMITS OF DISTURBANCE (TYP.)
N 27°15'27" E 751.14'
PC: 38+19.11
COUNTY ACCESS ROAD / MULTI-USE TRAIL SEE SHEET DT02 FOR TYPICAL SECTION
Δ=50°22'34" R=300.00' L=263.77' ChB=N02°04'11"E ChL=255.35'
MATCHLINE SEE SHEET TP04
MATCHLINE SEE SHEET TP06
PR. 100-YR FLOODPLAIN BOUNDARY (TYP.)
CHANNEL ACCESS VEHICULAR RAMP SEE SHEET DT02 FOR TYPICAL SECTION
PR. SCULPTED CONCRETE DROP STRUCTURE (TYP.)
PR. OVERBANK SHEETPILE PROTECTED BY RIPRAP (TYP.) SEE DT03
TRACT BOUNDARY FOR PR. CHANNEL/FLOODPLAIN IMPROVEMENTS
Δ=19°32'20" R=300.00' L=102.31' ChB=N18°03'15"E ChL=101.81'
CAUTION: SANITARY SEWER CROSSING STA. 26+41.03
PR. SANITARY SEWER BY OTHERS
PT: 26+78.88
CAUTION: SANITARY SEWER CROSSING STA. 31+38.51
CHANNEL ACCESS VEHICULAR RAMP SEE SHEET DT02 FOR TYPICAL SECTION
PR. CHANNEL CENTERLINE ALIGNMENT SEE SHEETS PP02 - PP07
CAUTION: WATER MAIN CROSSING STA. 39+93.55
CAUTION: WATER MAIN CROSSING STA. 39+31.49
Δ=53°10'33" R=853.00' L=791.66' ChB=N01°44'09"E ChL=763.53'
COUNTY ACCESS ROAD / MULTI-USE TRAIL SEE SHEET DT02 FOR TYPICAL SECTION
CL-CL INTERSECTION: EAST TRAIL - PHASE 1 STA: 26+64.33 = RAMP 25+00 STA: 0+00.00
PC: 32+76.55
N 27°49'25" E 597.67'
CAUTION: WATER MAIN CROSSING STA. 31+27.67
WATERLINE RELOCATION BY OTHERS
CL-CL INTERSECTION: EAST TRAIL - PHASE 1 STA: 36+33.71 = RAMP 35+00 STA: 0+00.00
EAST TRAIL - PHASE 1 ALIGNMENT

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.
CONTOUR INTERVALS ARE 1' AND 5'



WEST TRAIL - PHASE 1 PROFILE VIEW



EAST TRAIL - PHASE 1 PROFILE VIEW

REFERENCE DRAWINGS
X-1129-PARCELS
X-1129-UTILITIES
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-POND_C_BY_OTHERS

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-TP02.dwg
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PREPARED BY: Matrix Excellence by Design

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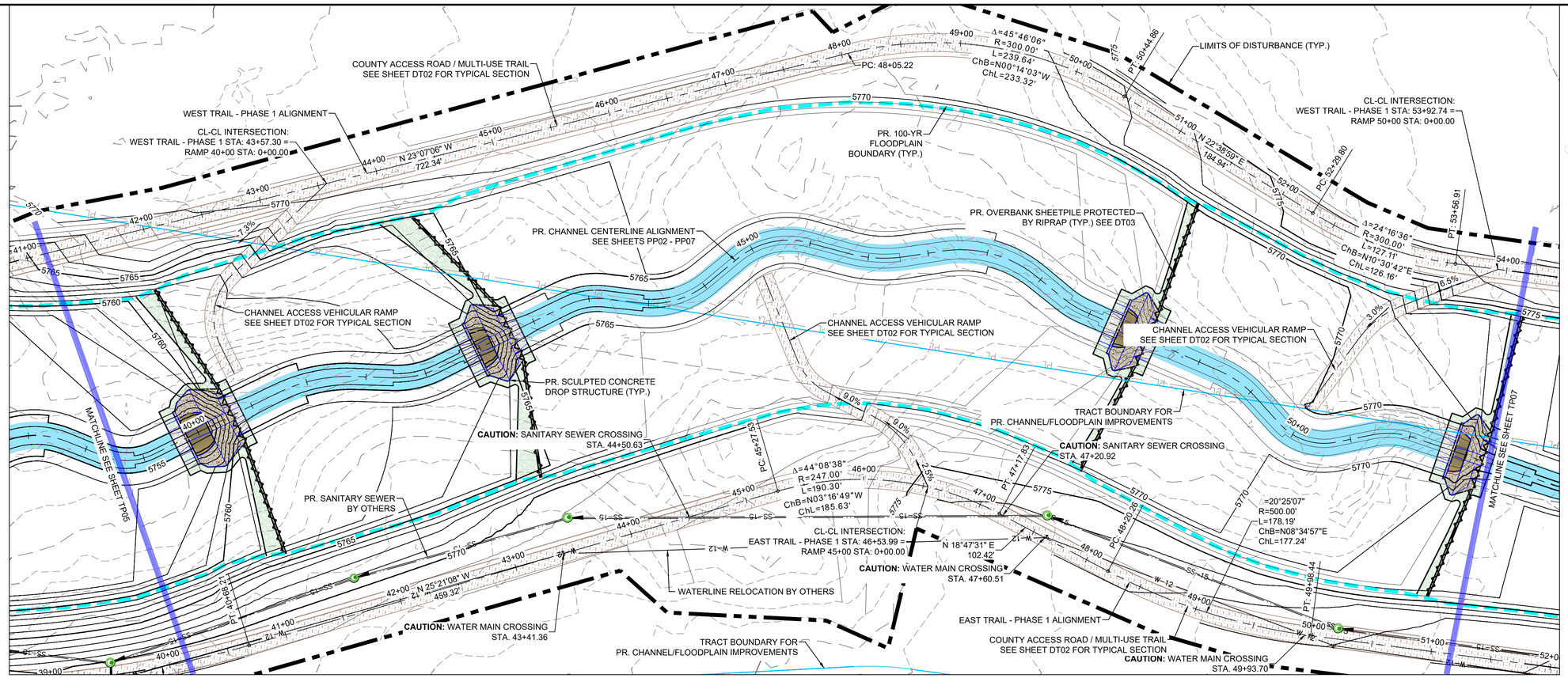
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TRAIL PLAN AND PROFILE

		SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DESIGNED BY:	TKM	HORIZ.	1" = 50'			
DRAWN BY:	RPD	VERT.	1" = 10'	SHEET	17 OF 53	TP05
CHECKED BY:	DJB					

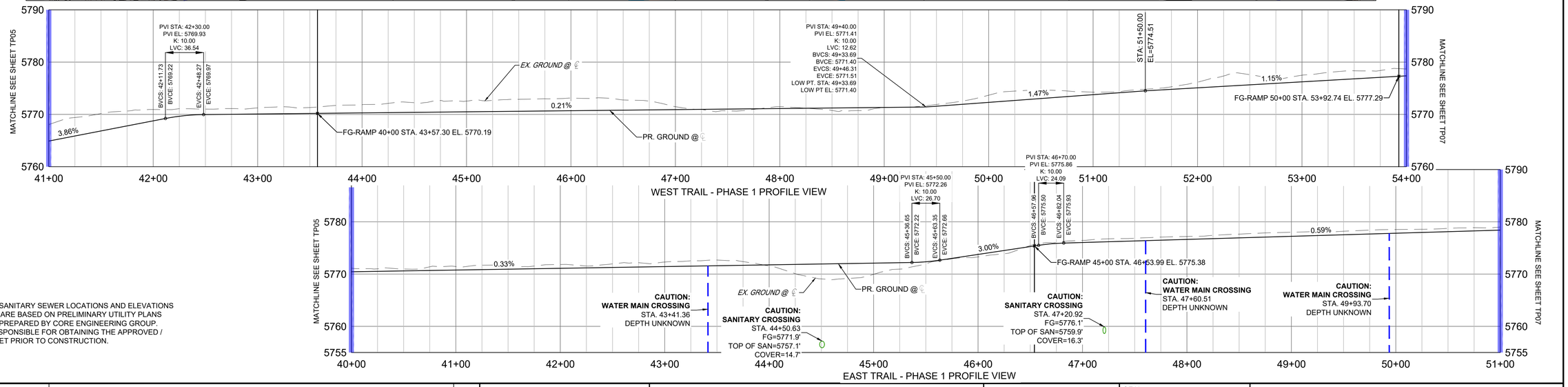


GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

CONTOUR INTERVALS ARE 1' AND 5'



NOTE: WATER MAIN AND SANITARY SEWER LOCATIONS AND ELEVATIONS SHOWN IN THESE PLANS ARE BASED ON PRELIMINARY UTILITY PLANS DATED DECEMBER 2024, PREPARED BY CORE ENGINEERING GROUP. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE APPROVED / AS-BUILT UTILITY PLAN SET PRIOR TO CONSTRUCTION.

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-MDS22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-POND_C_BY_OTHERS

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-TP02.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:47:12 AM
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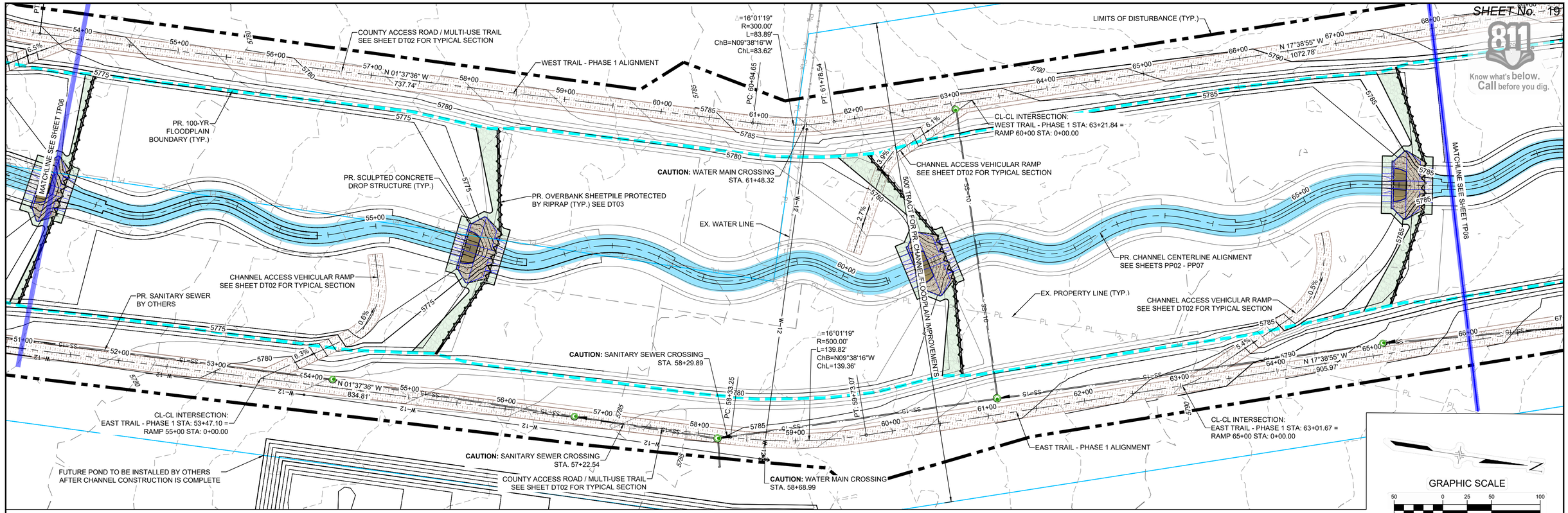
PROJECT No. 21.1129.009

LANDHUIS COMPANY

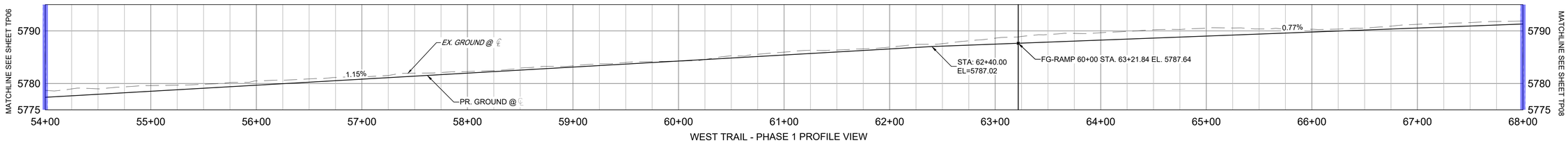
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TRAIL PLAN AND PROFILE

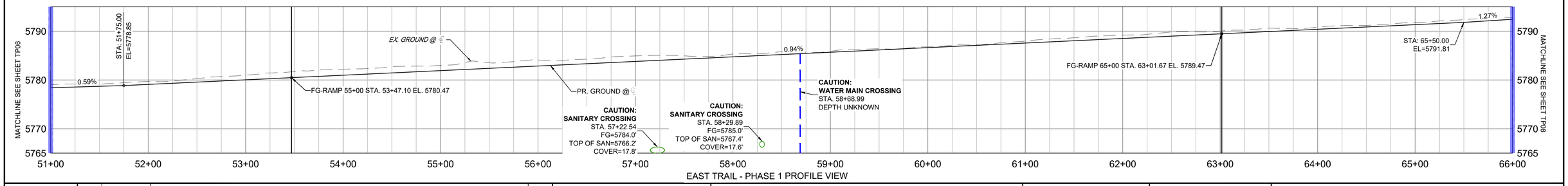
		SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DESIGNED BY:	TKM	HORIZ.	1" = 50'	SHEET	18 OF 53	TP06
DRAWN BY:	RPD	VERT.	1" = 10'			
CHECKED BY:	DJB					



NOTE: WATER MAIN AND SANITARY SEWER LOCATIONS AND ELEVATIONS SHOWN IN THESE PLANS ARE BASED ON PRELIMINARY UTILITY PLANS DATED DECEMBER 2024, PREPARED BY CORE ENGINEERING GROUP. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE APPROVED / AS-BUILT UTILITY PLAN SET PRIOR TO CONSTRUCTION.



WEST TRAIL - PHASE 1 PROFILE VIEW



EAST TRAIL - PHASE 1 PROFILE VIEW

REFERENCE DRAWINGS
X-1129-PARCELS
X-1129-UTILITIES
X-1129-MDS22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-POND_C_BY_OTHERS

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-TP02.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:47:21 AM
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100% DESIGN PLANS

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THE LANDHUIS COMPANY

PREPARED BY:
Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

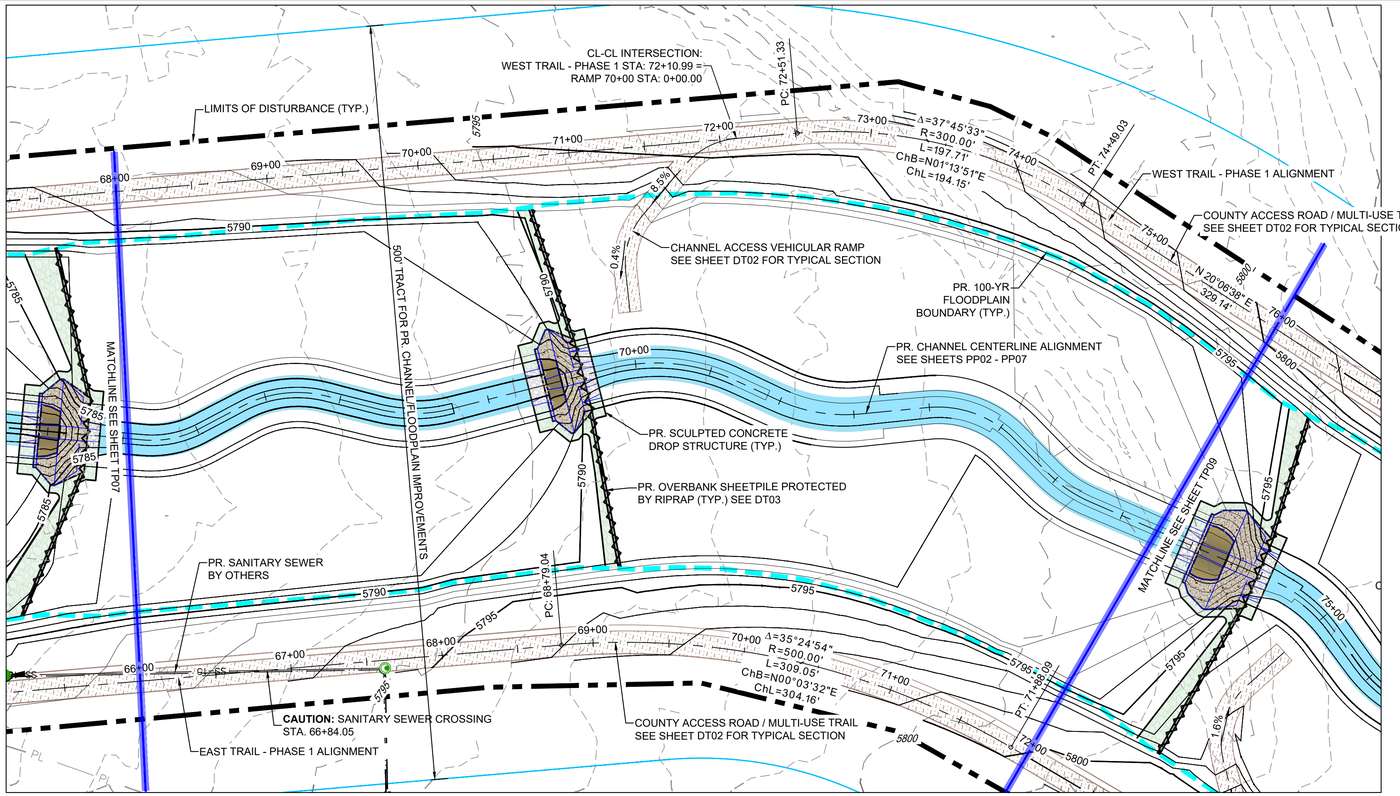
LANDHUIS COMPANY

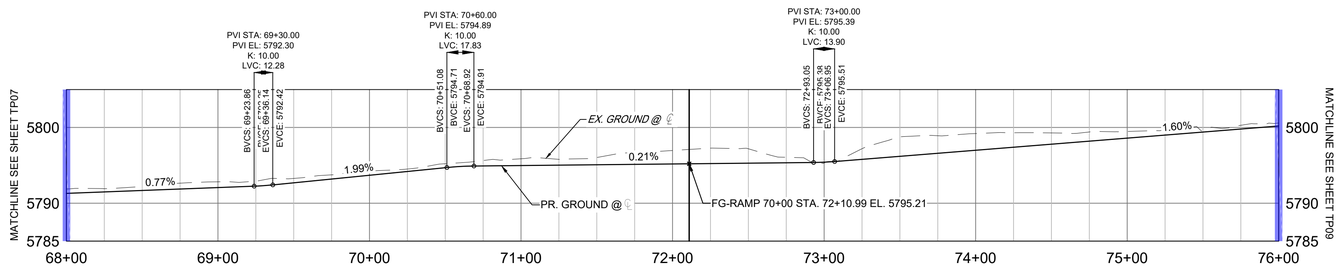
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TRAIL PLAN AND PROFILE

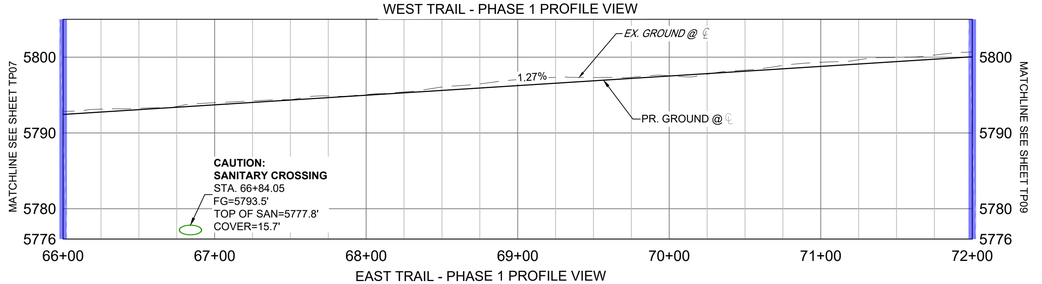
DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 50'	SHEET	19 OF 53
CHECKED BY:	DJB	VERT.	1" = 10'		

DRAWING No. TP07





WEST TRAIL - PHASE 1 PROFILE VIEW



EAST TRAIL - PHASE 1 PROFILE VIEW

NOTE: WATER MAIN AND SANITARY SEWER LOCATIONS AND ELEVATIONS SHOWN IN THESE PLANS ARE BASED ON PRELIMINARY UTILITY PLANS DATED DECEMBER 2024, PREPARED BY CORE ENGINEERING GROUP. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE APPROVED / AS-BUILT UTILITY PLAN SET PRIOR TO CONSTRUCTION.

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-POND_C_BY_OTHERS

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-TP02.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:47:28 AM
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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

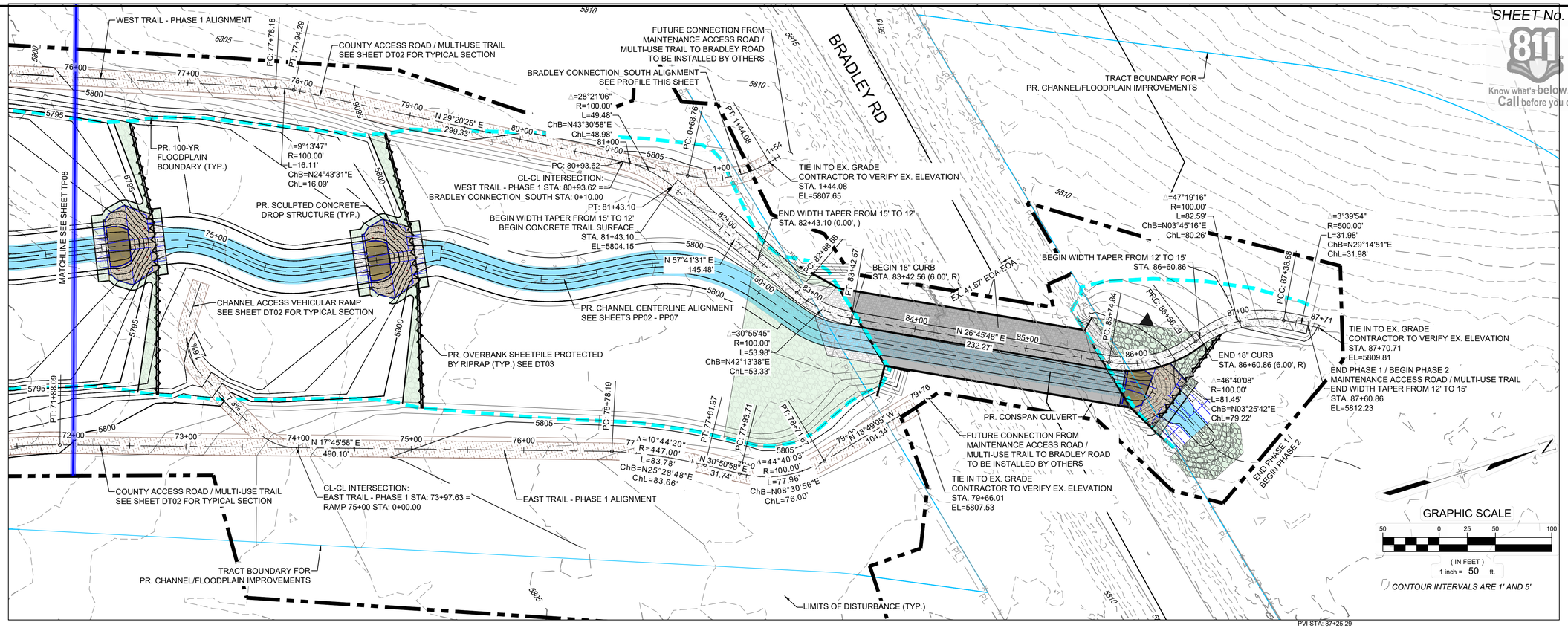
LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

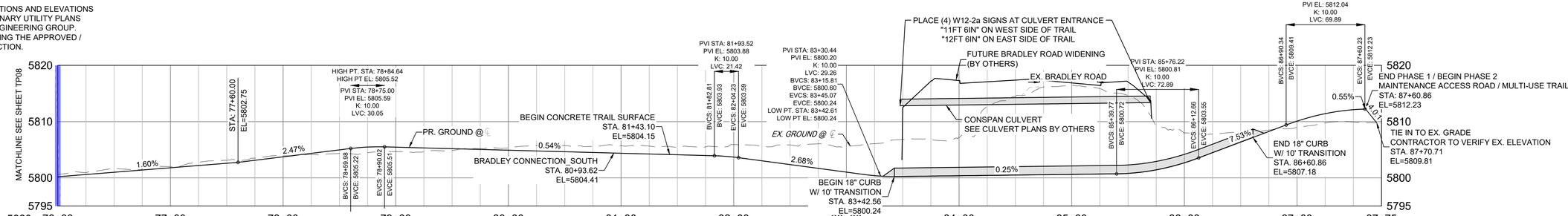
TRAIL PLAN AND PROFILE

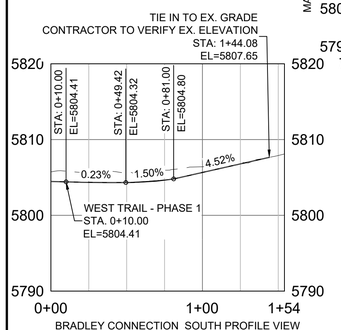
DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 50'		
CHECKED BY:	DJB	VERT.	1" = 10'	SHEET	20 OF 53

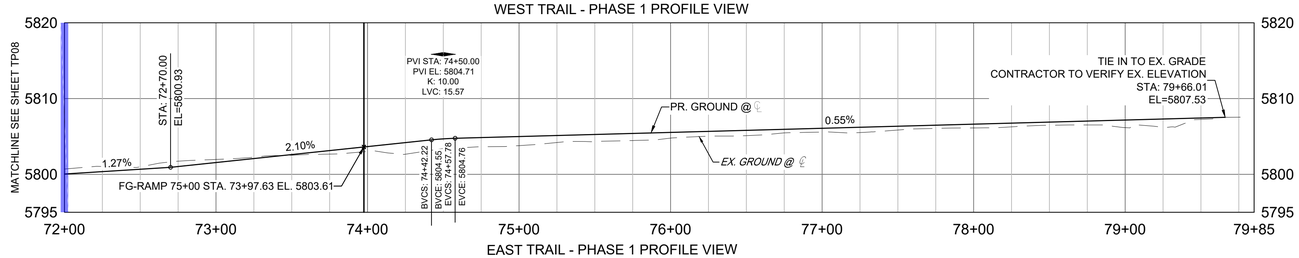
DRAWING No. TP08



NOTE: WATER MAIN AND SANITARY SEWER LOCATIONS AND ELEVATIONS SHOWN IN THESE PLANS ARE BASED ON PRELIMINARY UTILITY PLANS DATED DECEMBER 2024, PREPARED BY CORE ENGINEERING GROUP. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE APPROVED / AS-BUILT UTILITY PLAN SET PRIOR TO CONSTRUCTION.







REFERENCE DRAWINGS
X-1129-PARCELS
X-1129-UTILITIES
X-1129-MDS22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-POND_C_BY_OTHERS

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-TP02.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:47:38 AM
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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TRAIL PLAN AND PROFILE

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 50'	SHEET	21 OF 53
CHECKED BY:	DJB	VERT.	1" = 10'		

DRAWING No. TP09

GRAPHIC SCALE

250 0 125 250 500

(IN FEET)
1 inch = 250 ft.

CONTOUR INTERVALS ARE 2' AND 10'

Know what's below. Call before you dig.

END PHASE 1 / BEGIN PHASE 2

BRADLEY ROAD

BEGIN CITY OF COLORADO SPRINGS REVIEW OF CHANNEL DESIGN

BEGIN EL PASO COUNTY REVIEW OF CHANNEL DESIGN

END CITY OF COLORADO SPRINGS REVIEW OF CHANNEL DESIGN

LORSON RANCH EAST

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-LOD_UPPER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-UTILITIES
X-1129-MDG22x34

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-XS01.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:48:18 AM
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PROJECT No. 21.1129.009

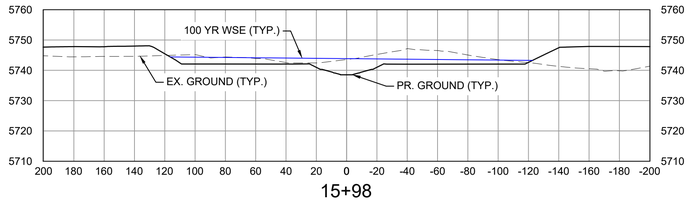
LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

CROSS SECTION OVERVIEW MAP

DESIGNED BY:	TKM	*SCALE*		*DATE ISSUED:*	MAY 2026
DRAWN BY:	RPD	*HORIZ.*	1" = 250'		
CHECKED BY:	DJB	*VERT.*	N/A	*SHEET*	22 OF 53

DRAWING No. XS01



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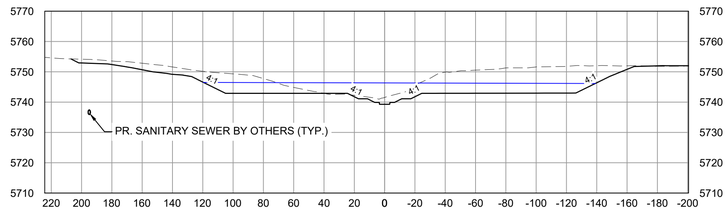
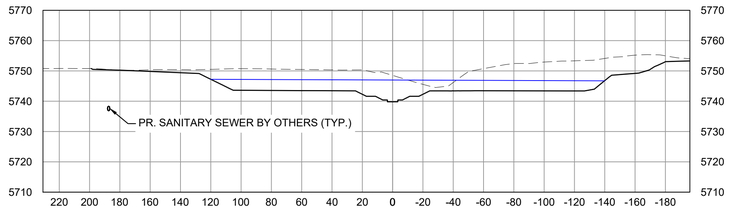
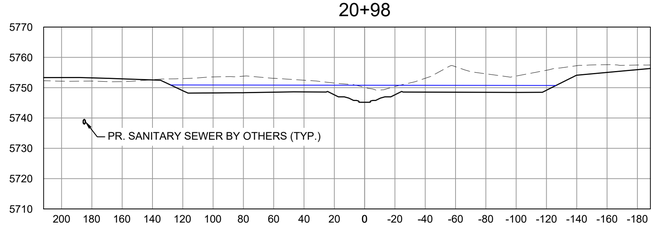


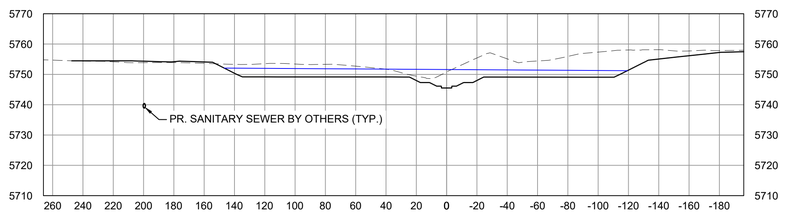
18+98



20+98



24+68



25+98

VERTICAL SCALE: 1" = 25'

GRAPHIC SCALE

25 0 12.5 25 50

(IN FEET)
1 inch = 25 ft.

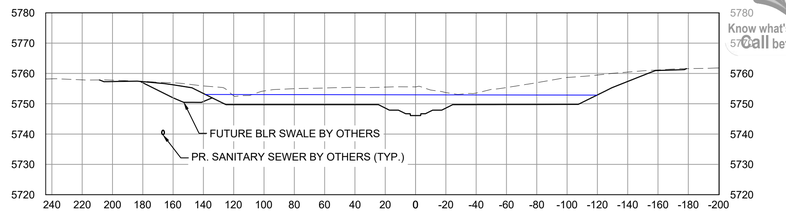
HORIZONTAL SCALE: 1" = 50'

HORIZONTAL GRAPHIC SCALE

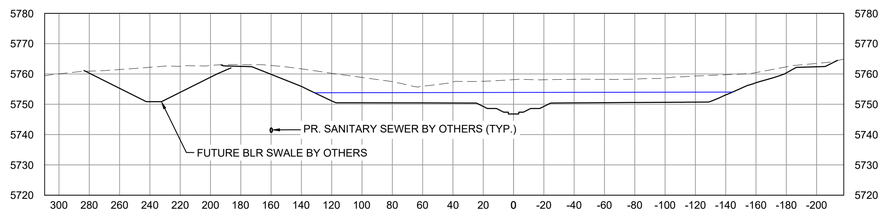
50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

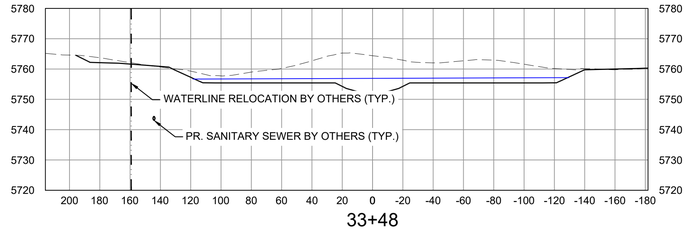
NOTE:
ALL CROSS SECTIONS ARE SHOWN LOOKING DOWNSTREAM



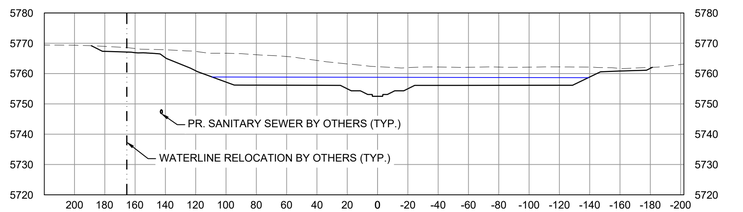
28+28



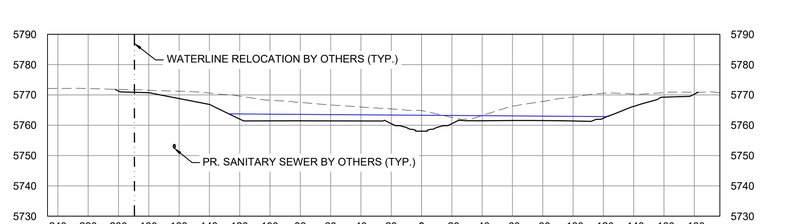
30+98



33+48



35+98



40+40

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-LOD_UPPER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-UTILITIES
X-1129-MDG22x34

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-XS01.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:48:22 AM
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100% DESIGN PLANS

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THE LANDHUIS COMPANY

PREPARED BY:
Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

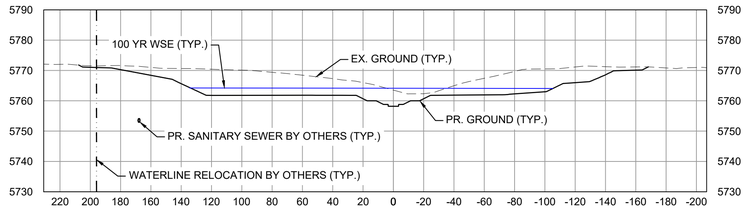
LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

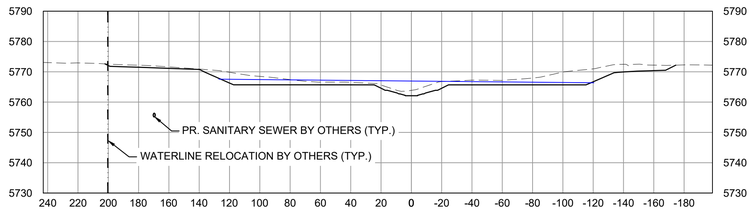
CROSS SECTIONS
15+98 TO 40+40

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 50'		
CHECKED BY:	DJB	VERT.	1" = 25'	SHEET	23 OF 53

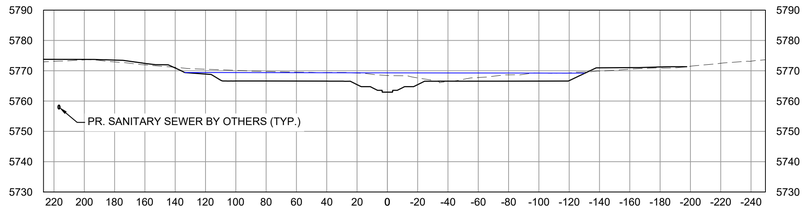
DRAWING No. XS02



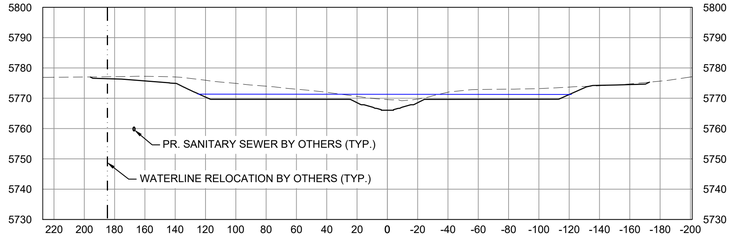
40+98



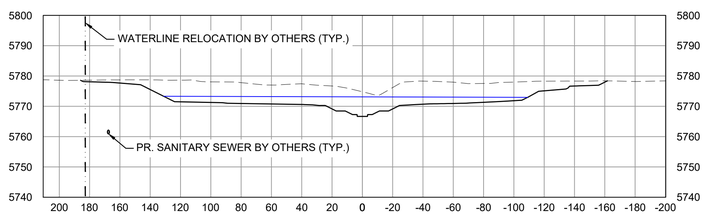
42+80



46+00



48+56



50+98

VERTICAL SCALE: 1" = 25'

GRAPHIC SCALE

25 0 12.5 25 50

(IN FEET)
1 inch = 25 ft.

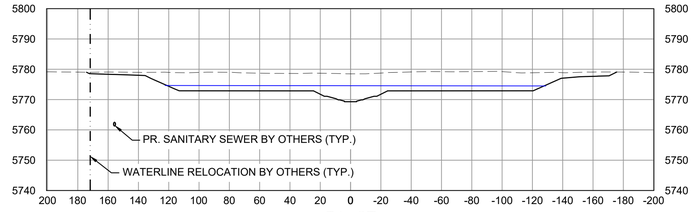
HORIZONTAL SCALE: 1" = 50'

HORIZONTAL GRAPHIC SCALE

50 0 25 50 100

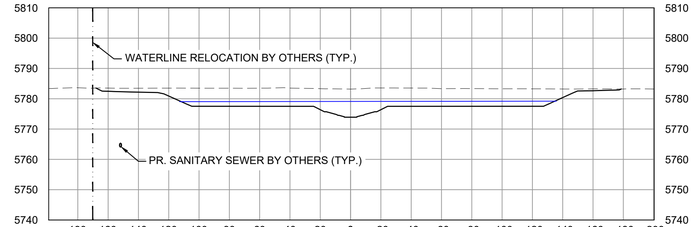
(IN FEET)
1 inch = 50 ft.

NOTE:
ALL CROSS SECTIONS ARE SHOWN LOOKING DOWNSTREAM

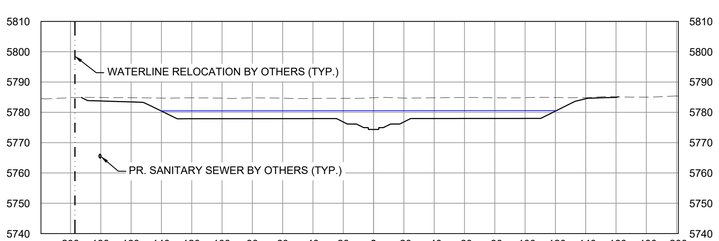


51+67

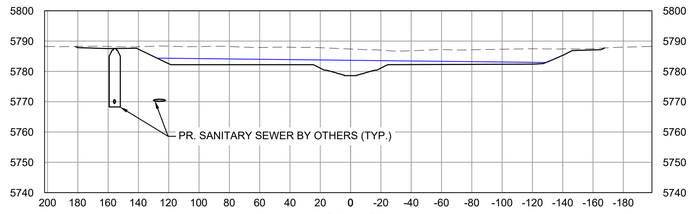
53+98



56+27



57+98



61+13

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-LOD_UPPER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-UTILITIES
X-1129-MDG22x34

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-XS01.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:48:26 AM
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100% DESIGN PLANS

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THE LANDHUIS COMPANY

PREPARED BY:
Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

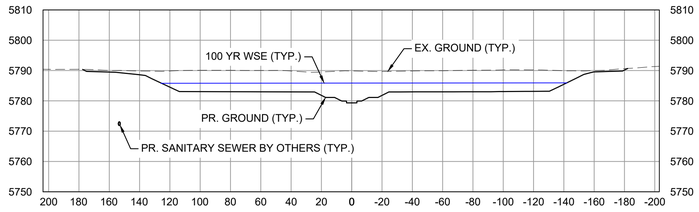
LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

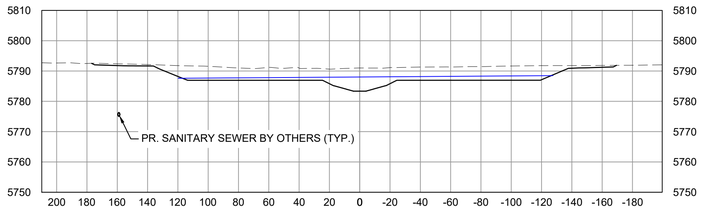
CROSS SECTIONS
40+98 TO 61+13

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 50'		
CHECKED BY:	DJB	VERT.	1" = 25'	SHEET	24 OF 53

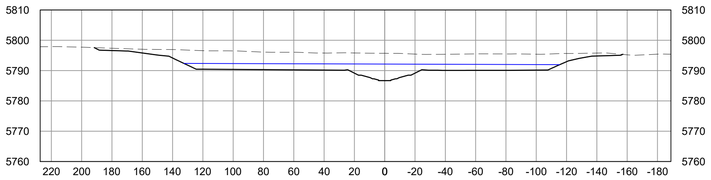
DRAWING No. XS03



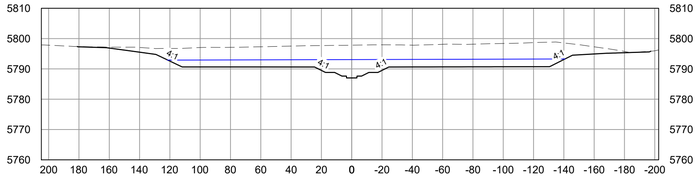
63+98



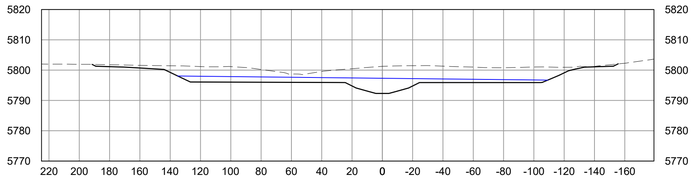
66+23



69+67



70+98



74+43

VERTICAL SCALE: 1" = 25'

GRAPHIC SCALE

25 0 12.5 25 50

(IN FEET)
1 inch = 25 ft.

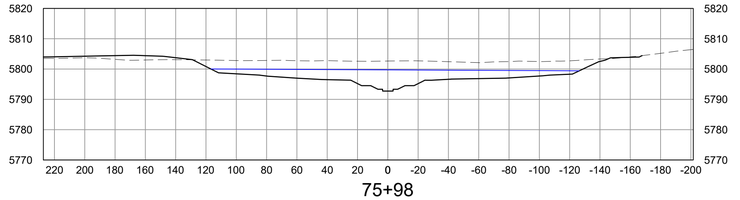
HORIZONTAL SCALE: 1" = 50'

HORIZONTAL GRAPHIC SCALE

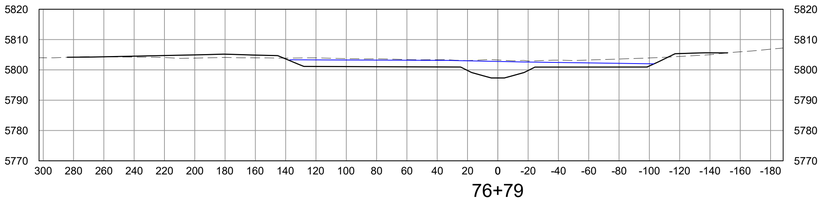
50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

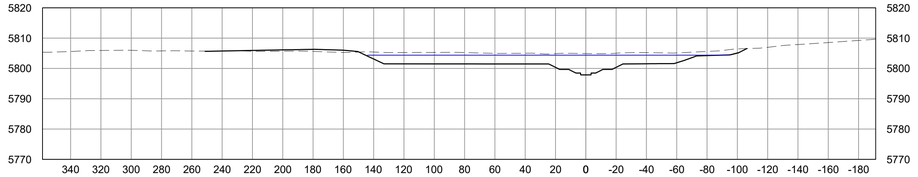
NOTE:
ALL CROSS SECTIONS ARE SHOWN LOOKING DOWNSTREAM



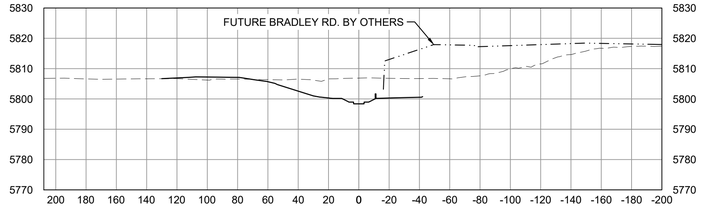
75+98



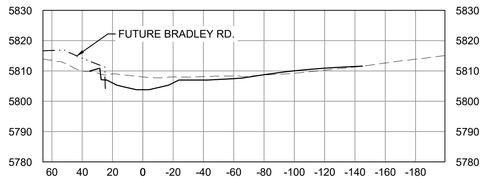
76+79



78+98



80+98



83+83

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-LOD_UPPER
X-1129-UTILITIES_BY_OTHERS
X-1129.009-AERIAL_Phase1
X-1129.009-AERIAL_Phase2
X-1129-UTILITIES
X-1129-MDG22x34

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-XS01.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:48:30 AM
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100% DESIGN PLANS

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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

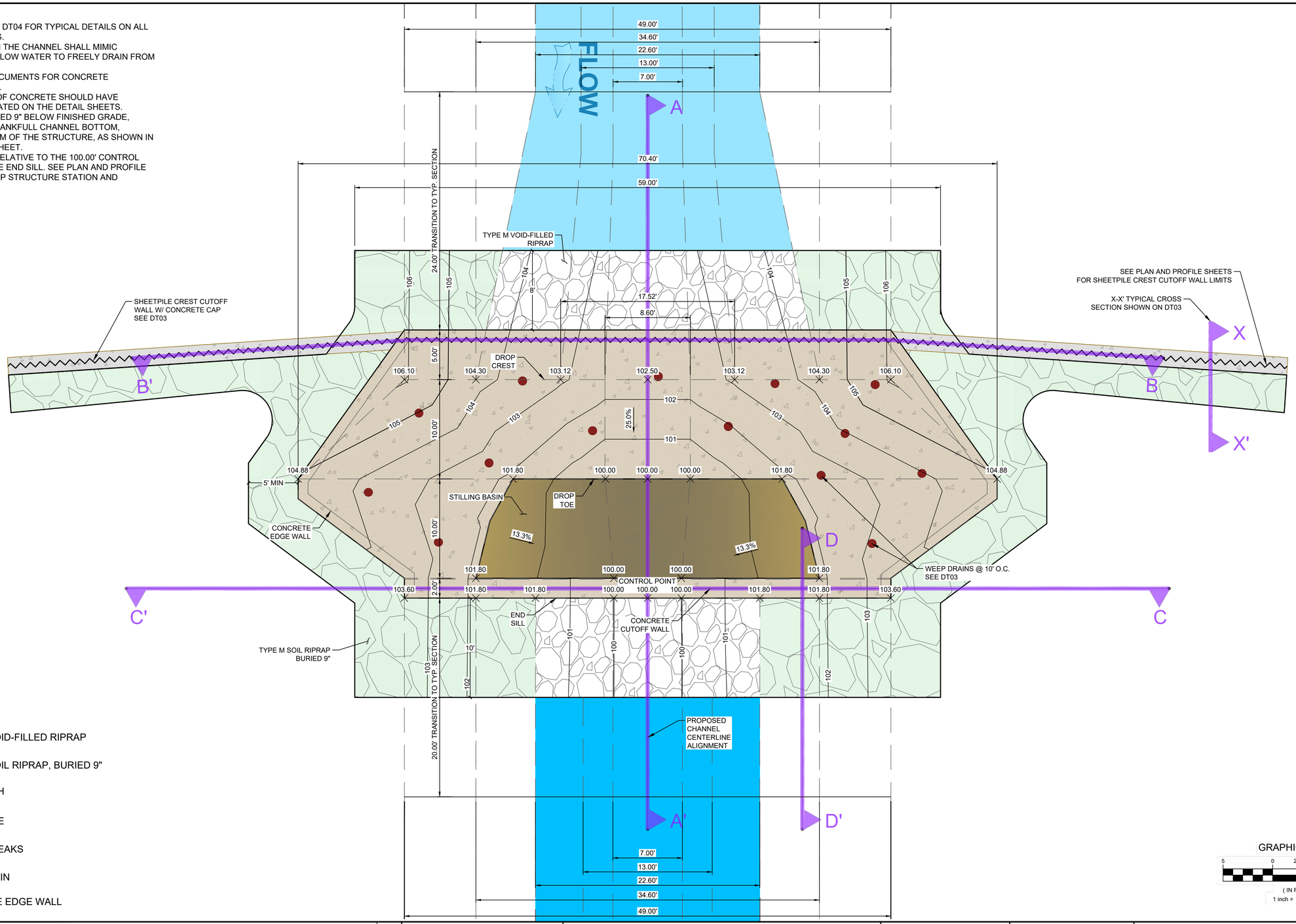
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

CROSS SECTIONS
63+98 TO 83+83

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 50'		
CHECKED BY:	DJB	VERT.	1" = 25'	SHEET	25 OF 53

DRAWING No. XS04

NOTES:
1. SEE DETAIL SHEETS DT03 TO DT04 FOR TYPICAL DETAILS ON ALL DROP STRUCTURE ELEMENTS.
2. SCULPTED ELEMENTS WITHIN THE CHANNEL SHALL MIMIC STEPPING BOULDERS AND ALLOW WATER TO FREELY DRAIN FROM THE STILLING BASIN.
3. SEE PROJECT CONTRACT DOCUMENTS FOR CONCRETE PLACEMENT SPECIFICATIONS.
4. FINISHED GRADE AND EDGE OF CONCRETE SHOULD HAVE NATURAL VARIABILITY, AS STATED ON THE DETAIL SHEETS.
5. ALL RIPRAP SHOULD BE PLACED 9" BELOW FINISHED GRADE, EXCEPT THE RIPRAP IN THE BANKFULL CHANNEL BOTTOM, UPSTREAM AND DOWNSTREAM OF THE STRUCTURE, AS SHOWN IN THE PROFILE ON THE NEXT SHEET.
6. ALL SPOT ELEVATIONS ARE RELATIVE TO THE 100.00' CONTROL POINT AT THE CENTER OF THE END SILL. SEE PLAN AND PROFILE SHEETS FOR INDIVIDUAL DROP STRUCTURE STATION AND ELEVATIONS.



LEGEND:

- TYPE M VOID-FILLED RIPRAP
- TYPE M SOIL RIPRAP, BURIED 9"
- FLOW PATH
- SHEET PILE
- GRADE BREAKS
- WEEP DRAIN
- CONCRETE EDGE WALL

GRAPHIC SCALE
5 0 2.5 5 10
(IN FEET)
1 inch = 5 ft.

REFERENCE DRAWINGS
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-SD01.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:48:51 AM
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100% DESIGN PLANS

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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

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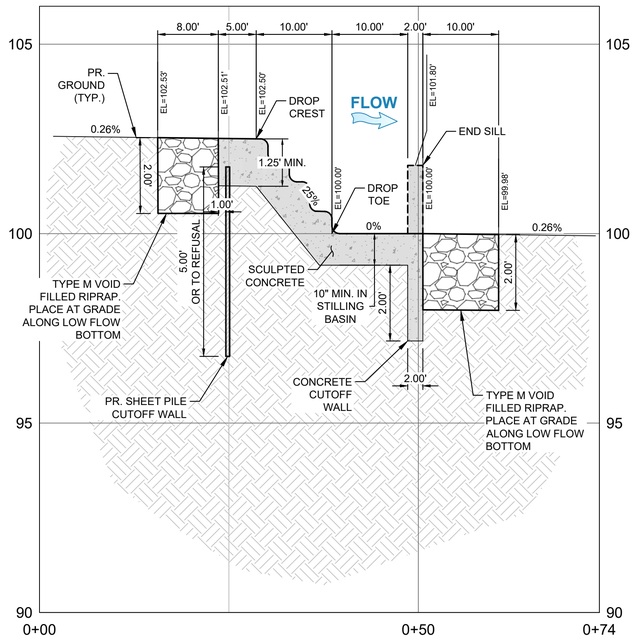
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

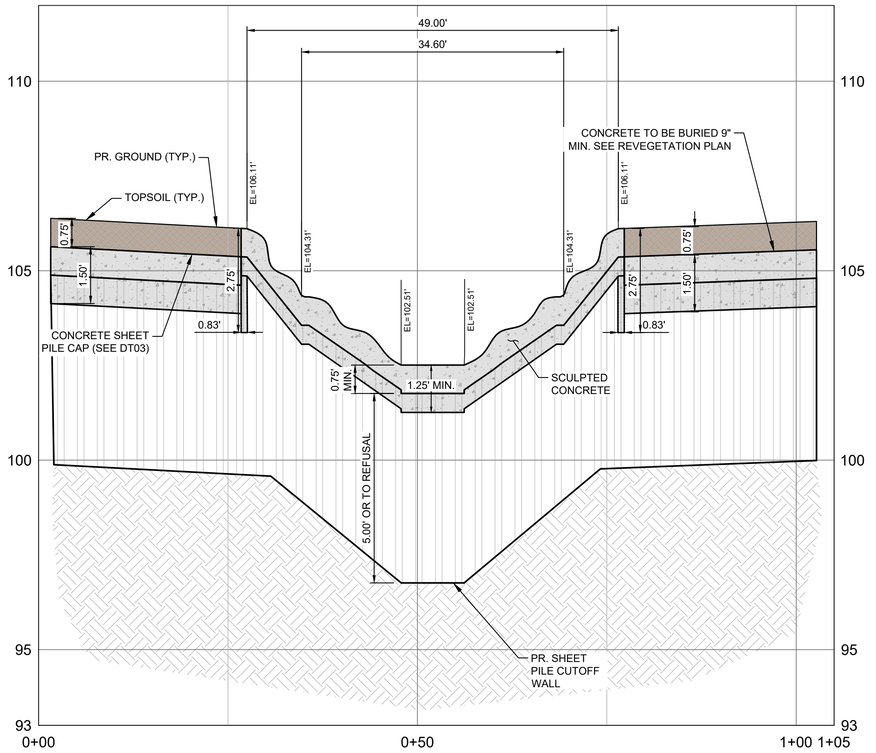
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

2.5' DROP STRUCTURE - PLAN VIEW

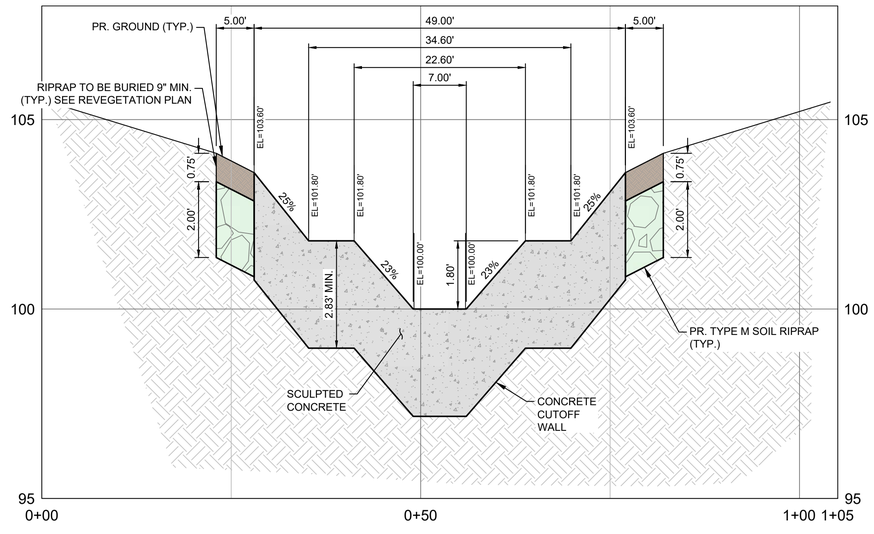
DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 5'	SHEET	26 OF 53
CHECKED BY:	DJB	VERT.	N/A	DRAWING No.	SD01



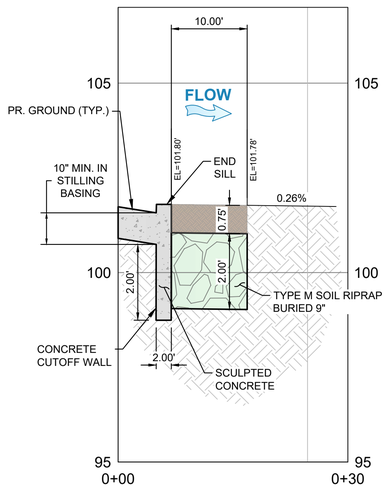
2.5' DROP - CROSS SECTION A-A' -
CENTERLINE ALIGNMENT PROFILE



2.5' DROP - CROSS SECTION B-B' - CREST



2.5' DROP - CROSS SECTION C-C' - END SILL



2.5' DROP - CROSS SECTION D-D'

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

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CTB FILE: Matrix(black).ctb
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THE LANDHUIS COMPANY

PREPARED BY:
Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

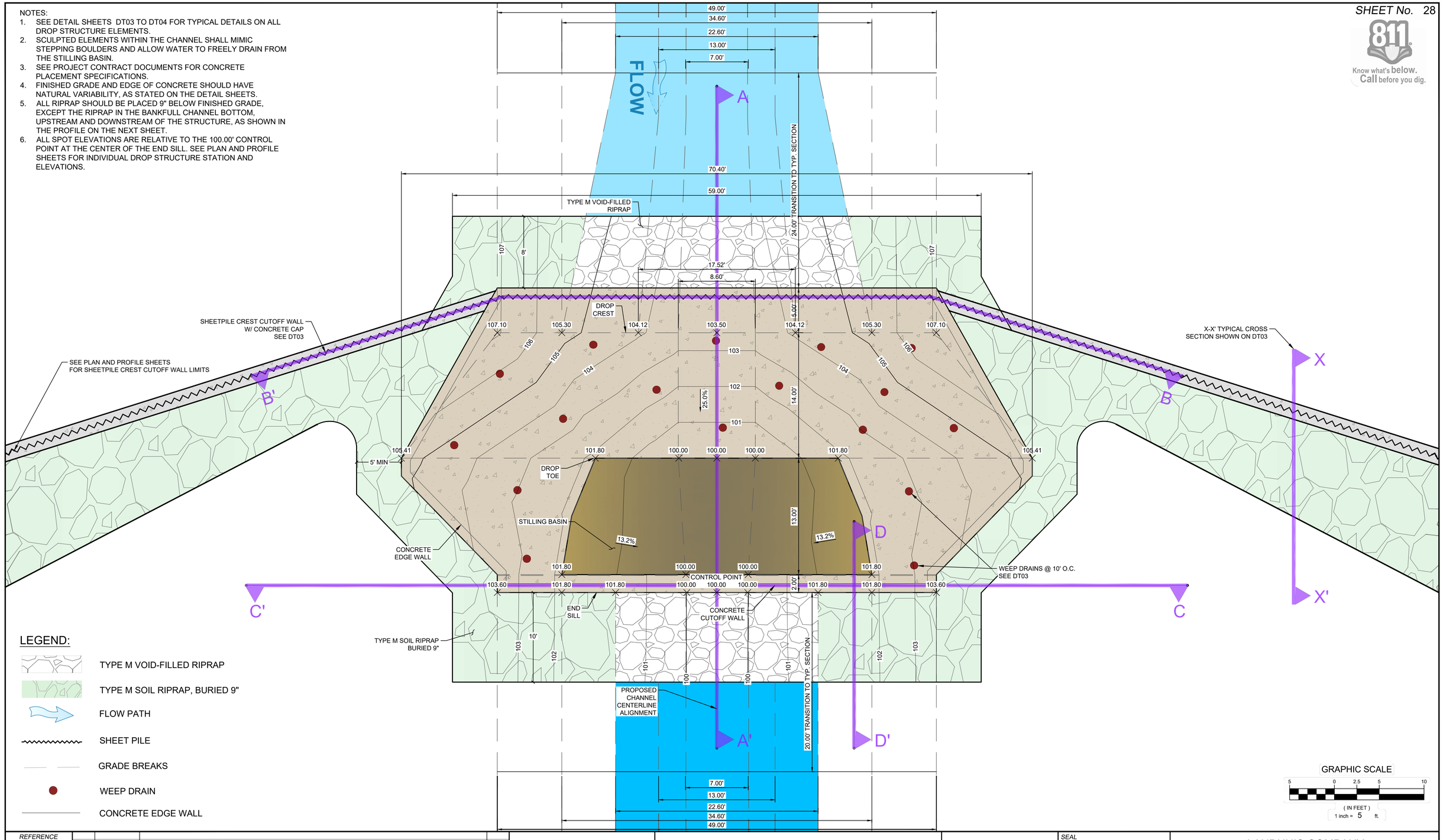
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

2.5' DROP STRUCTURE - PROFILE VIEWS

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 10'	SHEET	27 OF 53
CHECKED BY:	DJB	VERT.	1" = 2'		

DRAWING No. SD02

NOTES:
1. SEE DETAIL SHEETS DT03 TO DT04 FOR TYPICAL DETAILS ON ALL DROP STRUCTURE ELEMENTS.
2. SCULPTED ELEMENTS WITHIN THE CHANNEL SHALL MIMIC STEPPING BOULDERS AND ALLOW WATER TO FREELY DRAIN FROM THE STILLING BASIN.
3. SEE PROJECT CONTRACT DOCUMENTS FOR CONCRETE PLACEMENT SPECIFICATIONS.
4. FINISHED GRADE AND EDGE OF CONCRETE SHOULD HAVE NATURAL VARIABILITY, AS STATED ON THE DETAIL SHEETS.
5. ALL RIPRAP SHOULD BE PLACED 9" BELOW FINISHED GRADE, EXCEPT THE RIPRAP IN THE BANKFULL CHANNEL BOTTOM, UPSTREAM AND DOWNSTREAM OF THE STRUCTURE, AS SHOWN IN THE PROFILE ON THE NEXT SHEET.
6. ALL SPOT ELEVATIONS ARE RELATIVE TO THE 100.00' CONTROL POINT AT THE CENTER OF THE END SILL. SEE PLAN AND PROFILE SHEETS FOR INDIVIDUAL DROP STRUCTURE STATION AND ELEVATIONS.



LEGEND:

- TYPE M VOID-FILLED RIPRAP
- TYPE M SOIL RIPRAP, BURIED 9"
- FLOW PATH
- SHEET PILE
- GRADE BREAKS
- WEEP DRAIN
- CONCRETE EDGE WALL

GRAPHIC SCALE
5 0 2.5 5 10
(IN FEET)
1 inch = 5 ft.

REFERENCE DRAWINGS
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-SD01.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:49:07 AM
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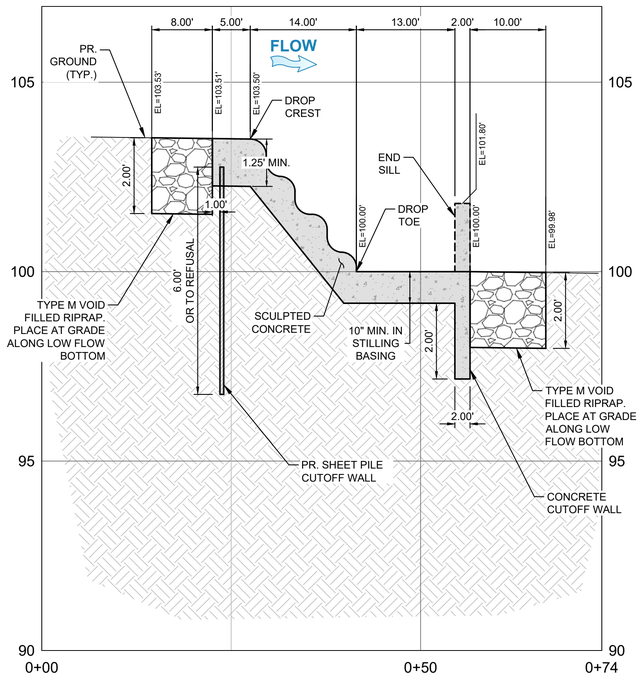
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

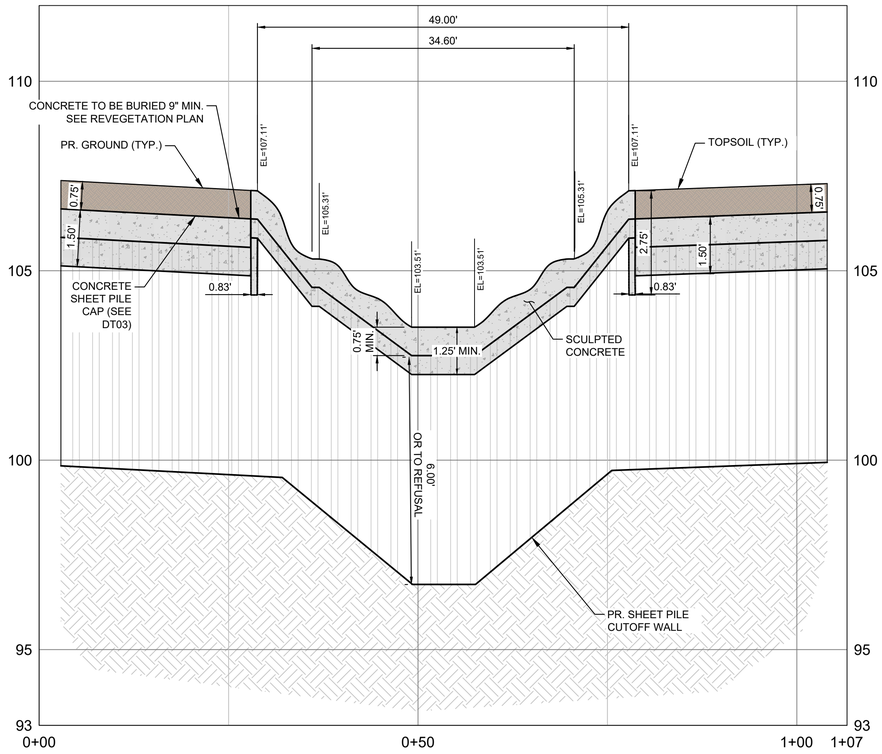
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

3.5' DROP STRUCTURE - PLAN VIEW

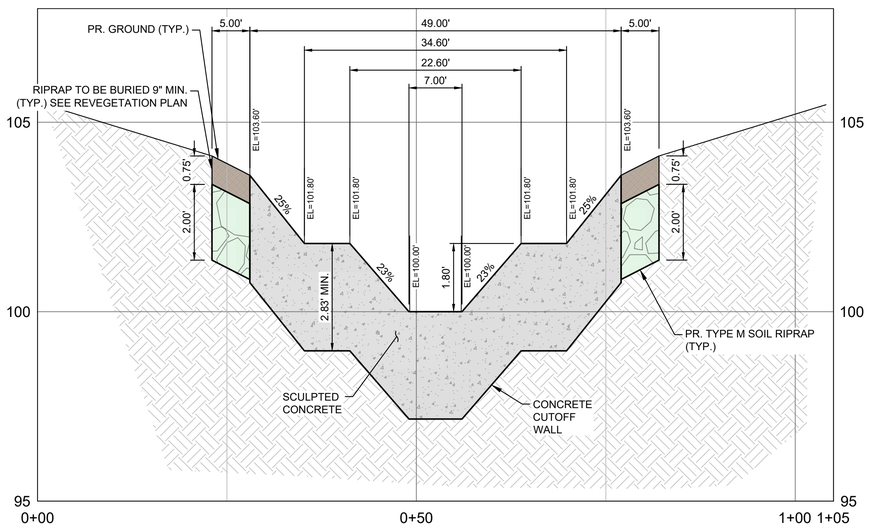
DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	RPD	HORIZ.	1" = 5'			
CHECKED BY:	DJB	VERT.	N/A	SHEET	28 OF 53	SD03



3.5' DROP - CROSS SECTION A-A' - CENTERLINE ALIGNMENT PROFILE



3.5' DROP - CROSS SECTION B-B' - CREST



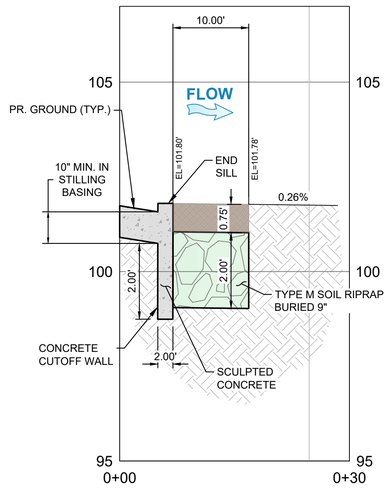
3.5' DROP - CROSS SECTION C-C' - END SILL

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

1 inch = 10 ft.



3.5' DROP - CROSS SECTION D-D'

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-SD01.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:49:14 AM

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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

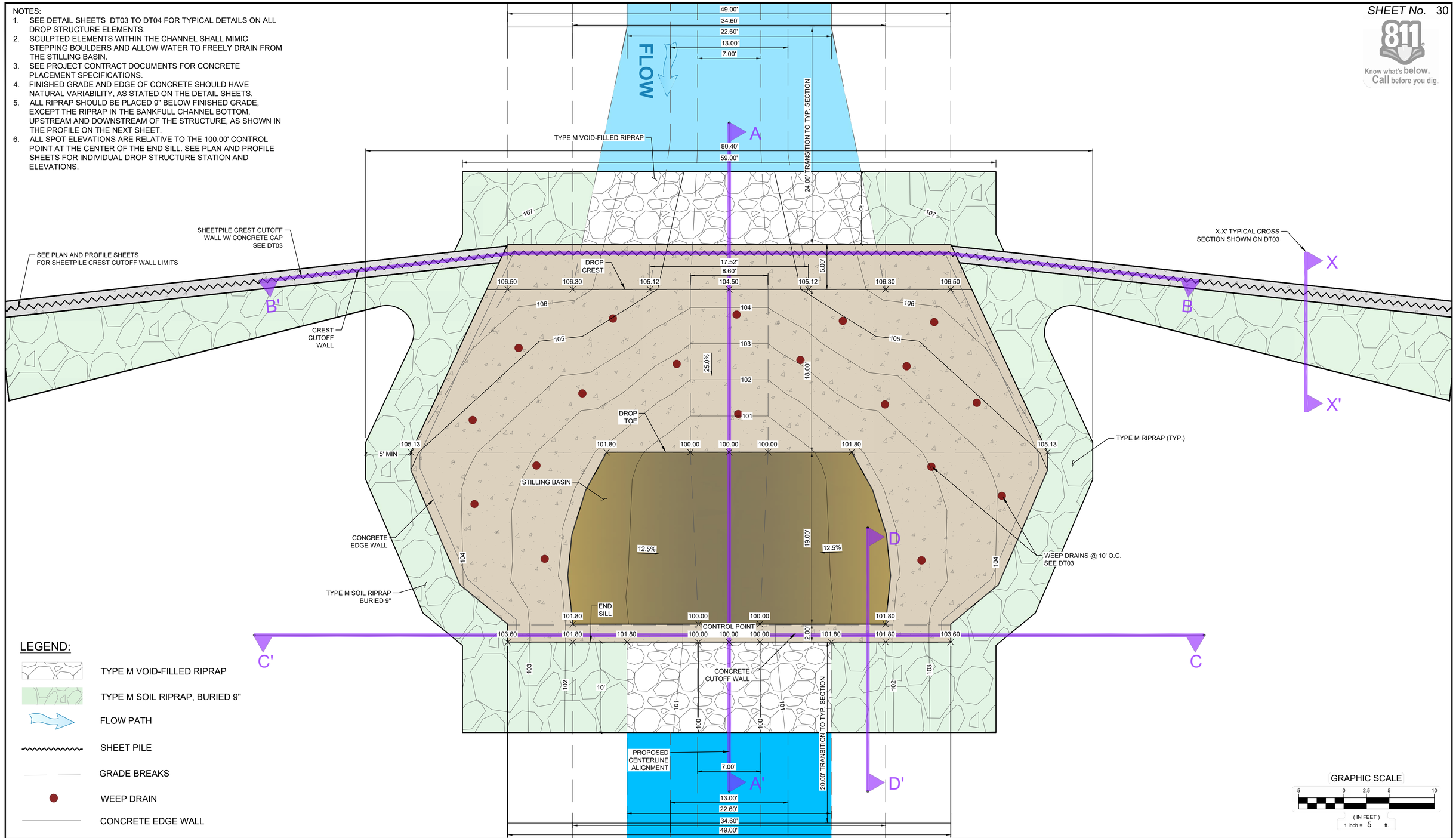
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

3.5' DROP STRUCTURE - PROFILE VIEWS

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 10'		
CHECKED BY:	DJB	VERT.	1" = 2'	SHEET	29 OF 53

DRAWING No. SD04

NOTES:
1. SEE DETAIL SHEETS DT03 TO DT04 FOR TYPICAL DETAILS ON ALL DROP STRUCTURE ELEMENTS.
2. SCULPTED ELEMENTS WITHIN THE CHANNEL SHALL MIMIC STEPPING BOULDERS AND ALLOW WATER TO FREELY DRAIN FROM THE STILLING BASIN.
3. SEE PROJECT CONTRACT DOCUMENTS FOR CONCRETE PLACEMENT SPECIFICATIONS.
4. FINISHED GRADE AND EDGE OF CONCRETE SHOULD HAVE NATURAL VARIABILITY, AS STATED ON THE DETAIL SHEETS.
5. ALL RIPRAP SHOULD BE PLACED 9" BELOW FINISHED GRADE, EXCEPT THE RIPRAP IN THE BANKFULL CHANNEL BOTTOM, UPSTREAM AND DOWNSTREAM OF THE STRUCTURE, AS SHOWN IN THE PROFILE ON THE NEXT SHEET.
6. ALL SPOT ELEVATIONS ARE RELATIVE TO THE 100.00' CONTROL POINT AT THE CENTER OF THE END SILL. SEE PLAN AND PROFILE SHEETS FOR INDIVIDUAL DROP STRUCTURE STATION AND ELEVATIONS.



LEGEND:

- TYPE M VOID-FILLED RIPRAP
- TYPE M SOIL RIPRAP, BURIED 9"
- FLOW PATH
- SHEET PILE
- GRADE BREAKS
- WEEP DRAIN
- CONCRETE EDGE WALL

GRAPHIC SCALE
5 0 2.5 5 10
(IN FEET)
1 inch = 5 ft.

No.	DATE	DESCRIPTION	BY

REFERENCE DRAWINGS
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129.009-AERIAL_Phase1

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-SD01.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:49:28 AM
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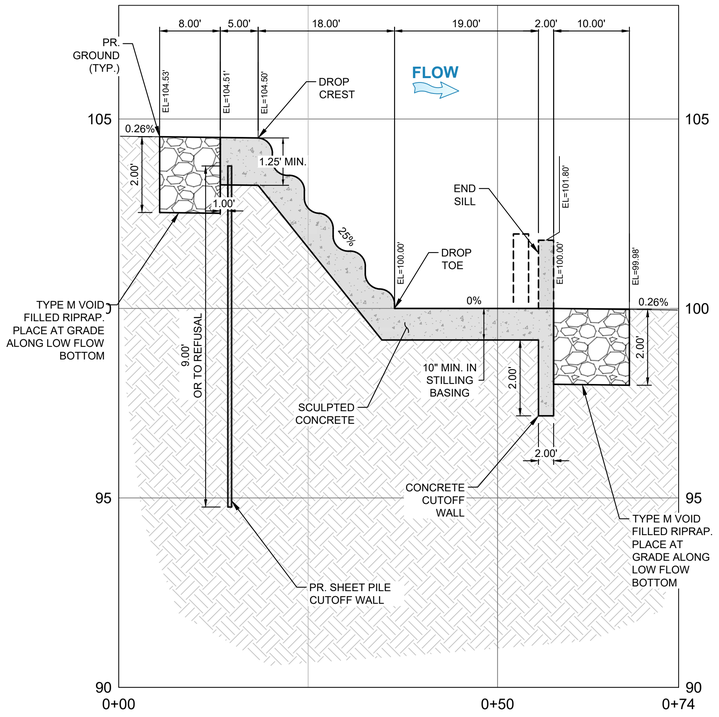
PROJECT No. 21.1129.009

LANDHUIS COMPANY

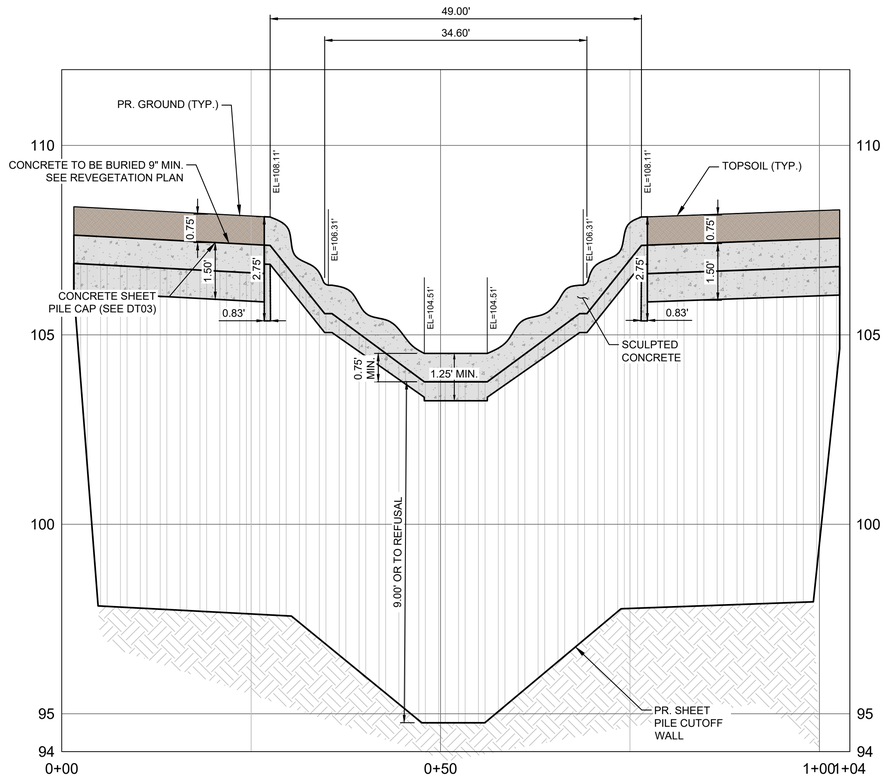
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

4.5' DROP STRUCTURE - PLAN VIEW

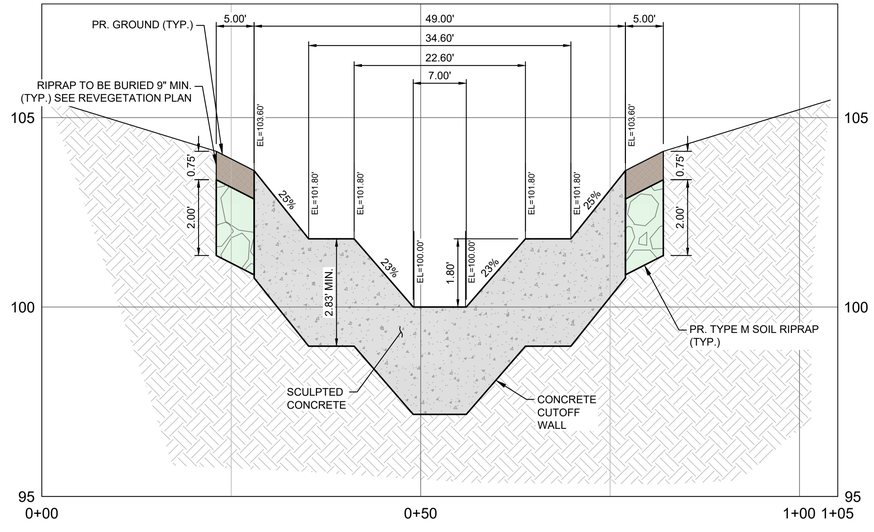
DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 5'	SHEET	30 OF 53
CHECKED BY:	DJB	VERT.	N/A	DRAWING No.	SD05



4.5' DROP - CROSS SECTION A-A' - CENTERLINE ALIGNMENT PROFILE



4.5' DROP - CROSS SECTION B-B' - CREST



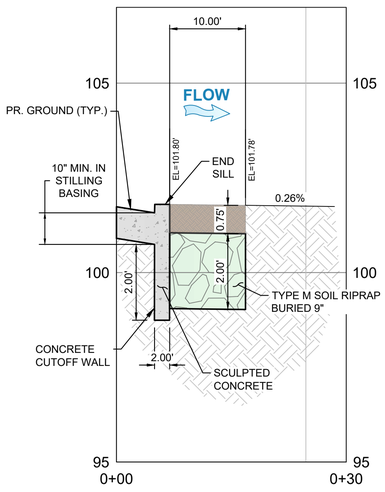
4.5' DROP - CROSS SECTION C-C' - END SILL

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

1 inch = 10 ft.



4.5' DROP - CROSS SECTION D-D'

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-SD01.dwg
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THE LANDHUIS COMPANY

PREPARED BY:
Matrix Excellence by Design

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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

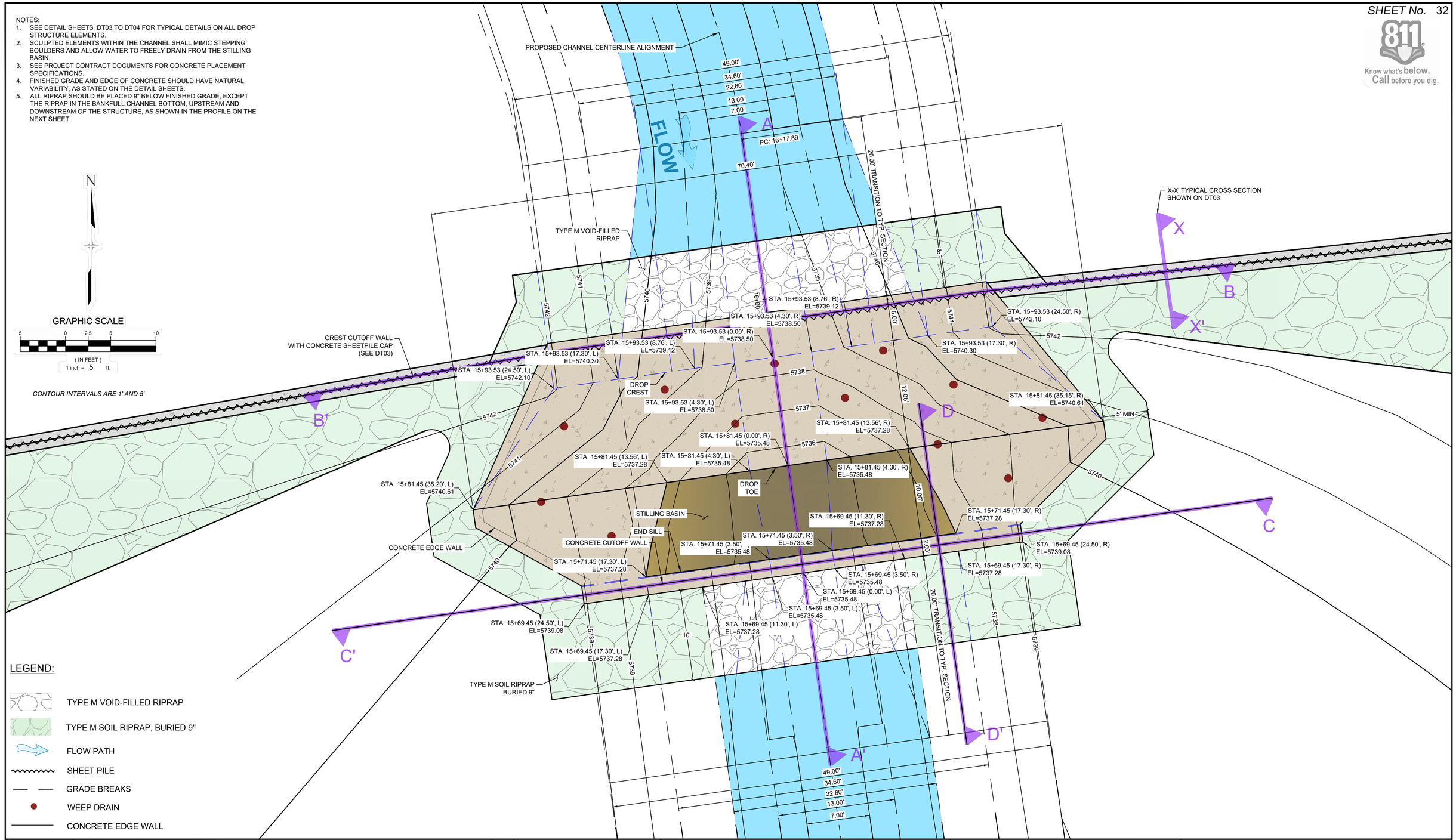
LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

4.5' DROP STRUCTURE - PROFILE VIEWS

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 10'	SHEET	31 OF 53
CHECKED BY:	DJB	VERT.	1" = 2'	DRAWING No.	SD06

NOTES:
1. SEE DETAIL SHEETS DT03 TO DT04 FOR TYPICAL DETAILS ON ALL DROP STRUCTURE ELEMENTS.
2. SCULPTED ELEMENTS WITHIN THE CHANNEL SHALL MIMIC STEPPING BOULDERS AND ALLOW WATER TO FREELY DRAIN FROM THE STILLING BASIN.
3. SEE PROJECT CONTRACT DOCUMENTS FOR CONCRETE PLACEMENT SPECIFICATIONS.
4. FINISHED GRADE AND EDGE OF CONCRETE SHOULD HAVE NATURAL VARIABILITY, AS STATED ON THE DETAIL SHEETS.
5. ALL RIPRAP SHOULD BE PLACED 9" BELOW FINISHED GRADE, EXCEPT THE RIPRAP IN THE BANKFULL CHANNEL BOTTOM, UPSTREAM AND DOWNSTREAM OF THE STRUCTURE, AS SHOWN IN THE PROFILE ON THE NEXT SHEET.



LEGEND:

- TYPE M VOID-FILLED RIPRAP
- TYPE M SOIL RIPRAP, BURIED 9"
- FLOW PATH
- SHEET PILE
- GRADE BREAKS
- WEEP DRAIN
- CONCRETE EDGE WALL

REFERENCE DRAWINGS
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-SD02.dwg
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PLOT DATE: May 8, 2026 7:50:52 AM
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PREPARED BY:
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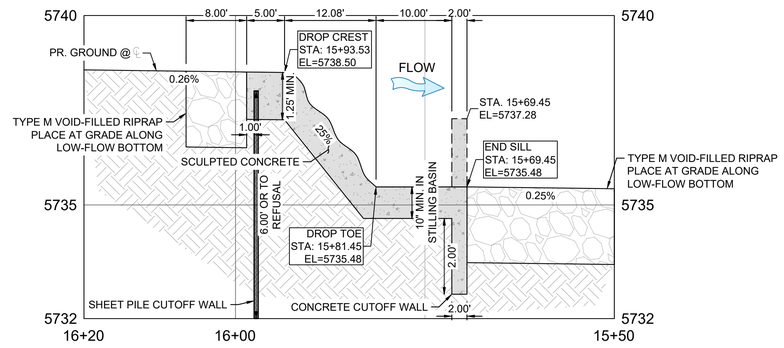
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

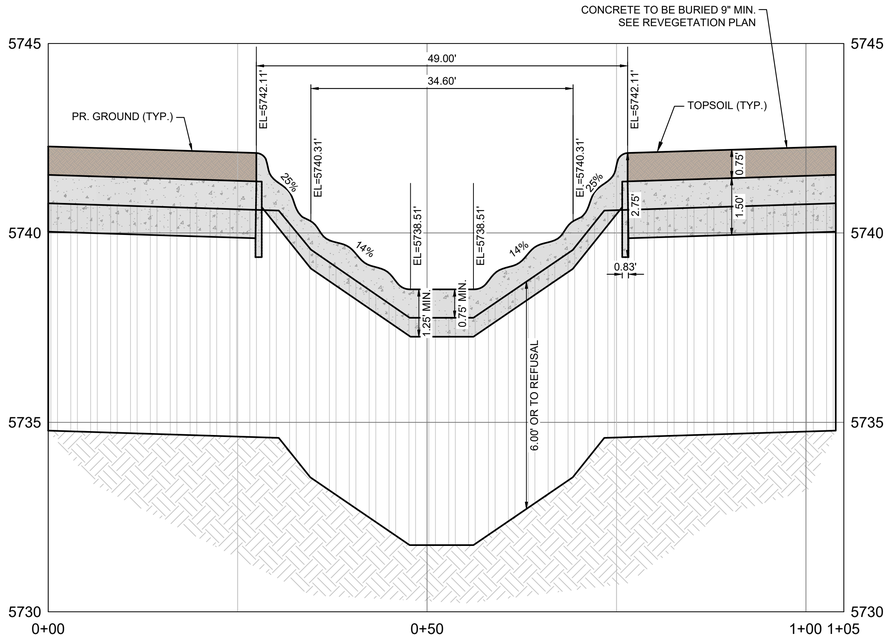
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

DOWNSTREAM SPECIAL DROP STRUCTURE - PLAN VIEW

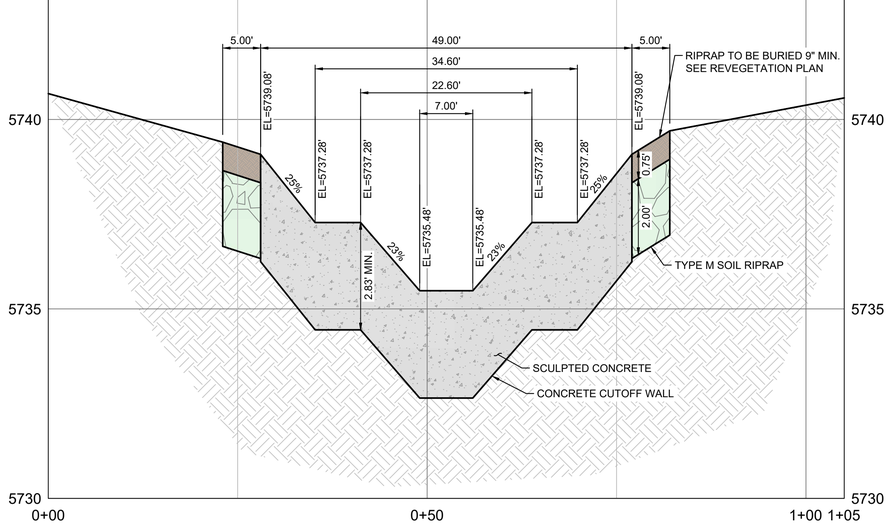
DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 5'	DRAWING No.	SD07
CHECKED BY:	DJB	VERT.	N/A	SHEET	32 OF 53



DOWNSTREAM SPECIAL DROP -
CROSS SECTION A-A' - CENTERLINE
ALIGNMENT PROFILE



DOWNSTREAM SPECIAL DROP -
CROSS SECTION B-B' - CREST



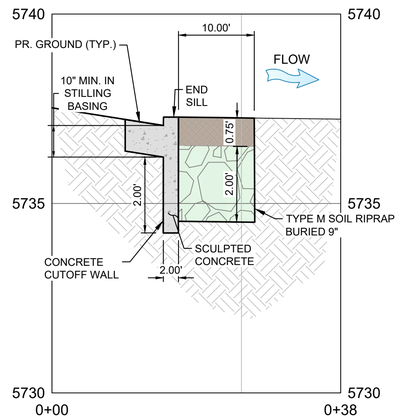
DOWNSTREAM SPECIAL DROP -
CROSS SECTION C-C' - END SILL

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

1 inch = 10 ft.



DOWNSTREAM SPECIAL DROP -
CROSS SECTION D-D'

REFERENCE DRAWINGS
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY
		REVISIONS	

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-SD02.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:51:12 AM
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100% DESIGN PLANS

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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

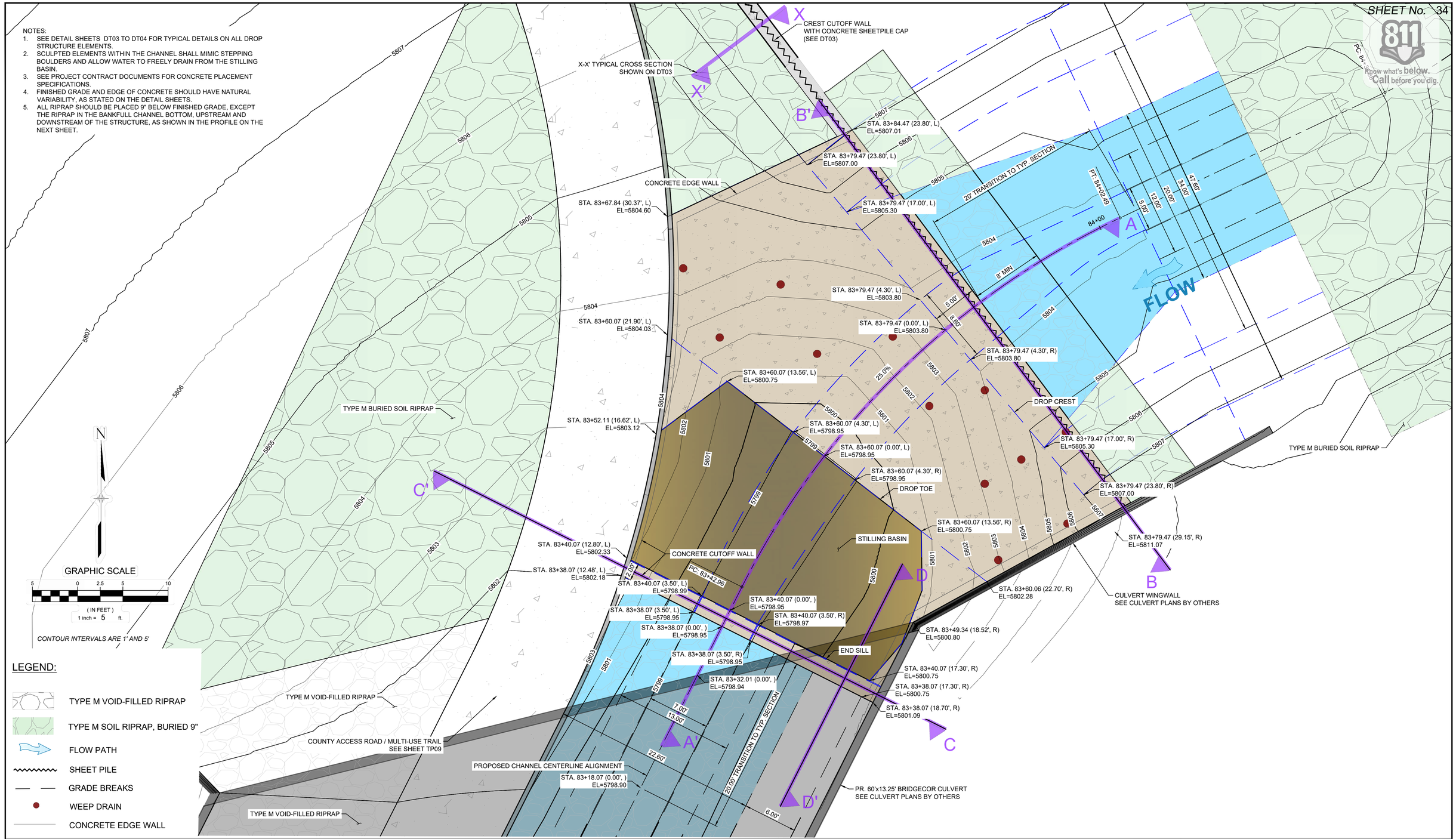
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

DOWNSTREAM SPECIAL
DROP STRUCTURE - PROFILE VIEWS

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	1" = 10'		
CHECKED BY:	DJB	VERT.	1" = 2'	SHEET	33 OF 53

DRAWING No. SD08

NOTES:
1. SEE DETAIL SHEETS DT03 TO DT04 FOR TYPICAL DETAILS ON ALL DROP STRUCTURE ELEMENTS.
2. SCULPTED ELEMENTS WITHIN THE CHANNEL SHALL MIMIC STEPPING BOULDERS AND ALLOW WATER TO FREELY DRAIN FROM THE STILLING BASIN.
3. SEE PROJECT CONTRACT DOCUMENTS FOR CONCRETE PLACEMENT SPECIFICATIONS.
4. FINISHED GRADE AND EDGE OF CONCRETE SHOULD HAVE NATURAL VARIABILITY, AS STATED ON THE DETAIL SHEETS.
5. ALL RIPRAP SHOULD BE PLACED 9" BELOW FINISHED GRADE, EXCEPT THE RIPRAP IN THE BANKFULL CHANNEL BOTTOM, UPSTREAM AND DOWNSTREAM OF THE STRUCTURE, AS SHOWN IN THE PROFILE ON THE NEXT SHEET.



GRAPHIC SCALE
5 0 2.5 5 10
(IN FEET)
1 inch = 5 ft.

CONTOUR INTERVALS ARE 1' AND 5'

LEGEND:
- TYPE M VOID-FILLED RIPRAP
- TYPE M SOIL RIPRAP, BURIED 9"
- FLOW PATH
- SHEET PILE
- GRADE BREAKS
- WEEP DRAIN
- CONCRETE EDGE WALL

REFERENCE DRAWINGS
X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT
FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-SD02.dwg
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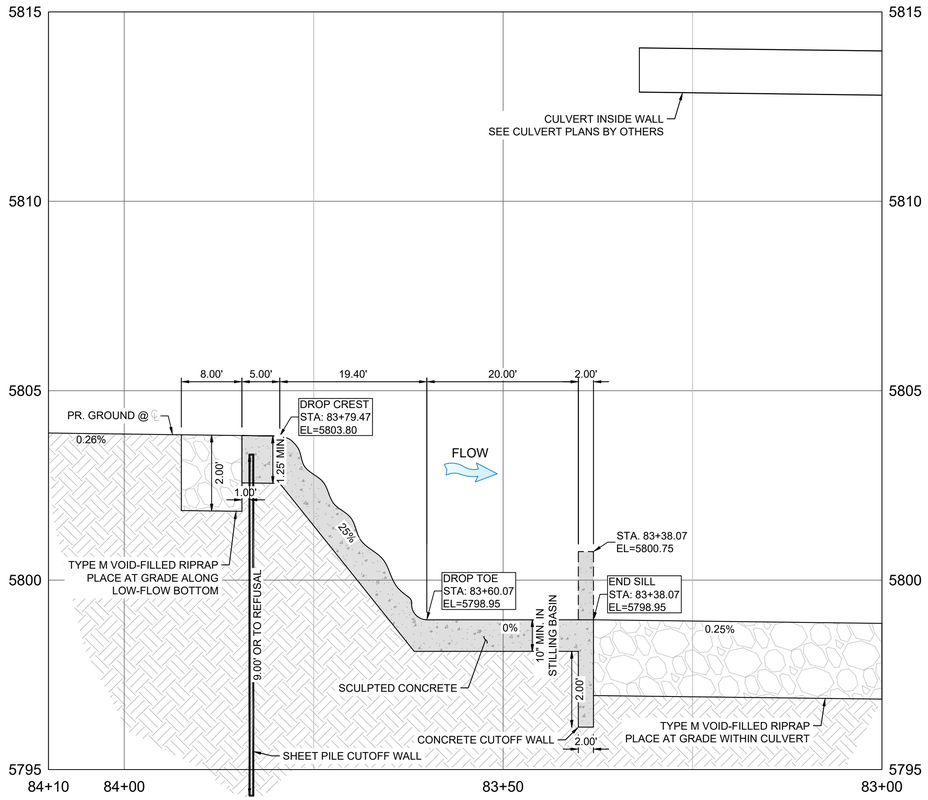
PROJECT No. 21.1129.009

LANDHUIS COMPANY

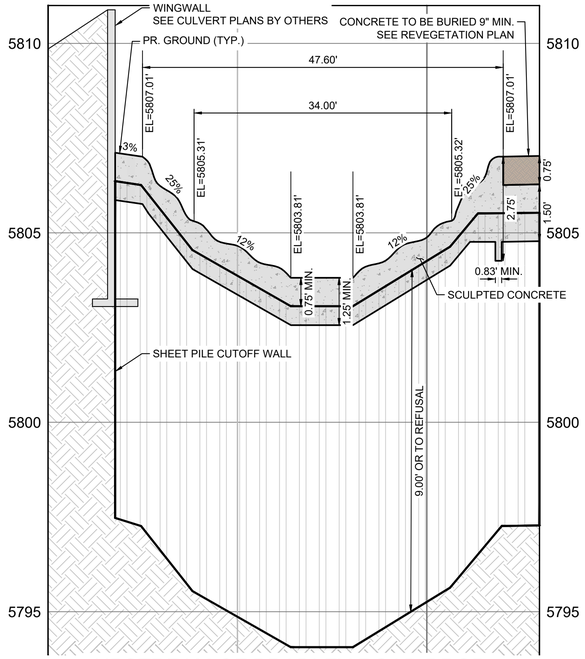
ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

UPSTREAM OF BRADLEY ROAD DROP STRUCTURE - PLAN VIEW

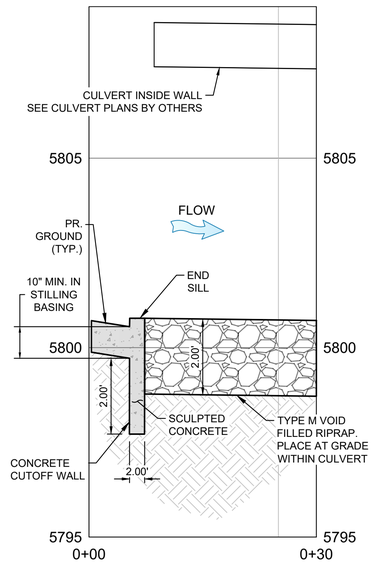
DESIGNED BY:	TKM	*SCALE*		*DATE ISSUED:*	MAY 2026
DRAWN BY:	RPD	*HORIZ.*	1" = 5'		
CHECKED BY:	DJB	*VERT.*	N/A	*SHEET*	34 OF 53
				DRAWING No.	SD09



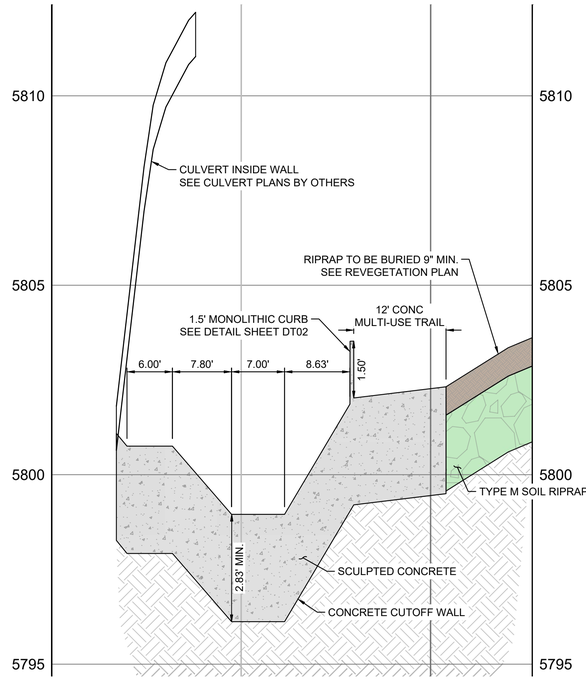
UPSTREAM OF BRADLEY ROAD DROP - CROSS SECTION A-A'
- CENTERLINE ALIGNMENT PROFILE



UPSTREAM OF BRADLEY ROAD DROP
- CROSS SECTION B-B' - CREST



UPSTREAM OF BRADLEY ROAD DROP
- CROSS SECTION D-D'



UPSTREAM OF BRADLEY ROAD DROP
- CROSS SECTION C-C' - END SILL

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

1 inch = 10 ft.

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PR STRUCT- PHASE 1
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-SD02.dwg
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THE LANDHUIS COMPANY

PREPARED BY:
Matrix
Excellence by Design

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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

UPSTREAM OF BRADLEY ROAD
DROP STRUCTURE - PROFILE VIEWS

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	RPD	HORIZ.	1" = 10'			
CHECKED BY:	DJB	VERT.	1" = 2'	SHEET	35 OF 53	SD10

TIE INTO EX. TRAIL

MATCHLINE STA 15+00 RV02

TEMPORARY SEED MIX (TYP.)

PROVIDE 2' OVERLAP OF ADJACENT SEED MIXES (APPLIES TO ALL)

SHRUB OVERSEED MIX (TYP.)

COUNTY ACCESS ROAD / MULTI USE TRAIL SEE TP02-TP09

UPLAND SEED MIX (TYP.)

CHANNEL ACCESS VEHICULAR RAMP (TYP.)

PLACE RIPARIAN SEED MIX IN BOTTOM OF CHANNEL (TYP.)

RIPARIAN SEED MIX (TYP.)

PR. ALIGNMENT (TYP.)

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00

TIE INTO EXISTING CHANNEL ALIGNMENT

TIE INTO EX. TRAIL

EX. PROPERTY LINE (TYP.)

LOW GROW SEED MIX (TYP.)

MIN 4' BAND OF LOW GROW SEED MIX ON EITHER SIDE OF ACCESS ROAD (TYP.)

COUNTY ACCESS ROAD / MULTI USE TRAIL SEE TP02-TP09

LIMITS OF DISTURBANCE (TYP.)

DECOMPACT CONSTRUCTION STAGING AREAS AND ACCESS ROADS PRIOR TO REVEGETATION (TYP.)

2026-01-28 12:00

PHASE 1: REVEGETATION SEED MIXES

RIPARIAN SEED MIX SEE SEED MIX TABLE ON RV06	7.6 AC
LOW GROW SEED MIX SEE SEED MIX TABLE ON RV06	12 AC
UPLAND SEED MIX SEE SEED MIX TABLE ON RV06	40.8 AC
TEMPORARY SEED MIX SEE SEED MIX TABLE ON RV06	8.1 AC
SHRUB OVERSEED MIX SEE SEED MIX TABLE ON RV06	1.7 AC

PR. 100-YR FLOODPLAIN BOUNDARY

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)

1 inch = 60 ft.

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN
CORE-BORDER
100.300tpx
100.300pbs
points-topo
X-1129-PR STRUCT- PHASE 1
X-1129-PR-REVEG-PHASE 1
X-1129-LOD_LOWER
X-1129-MDG22x34
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

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FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-RV01.dwg
CTB FILE: Matrix(black).ctb
PLOT DATE: May 8, 2026 7:54:04 AM
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PREPARED BY: Matrix Excellence by Design

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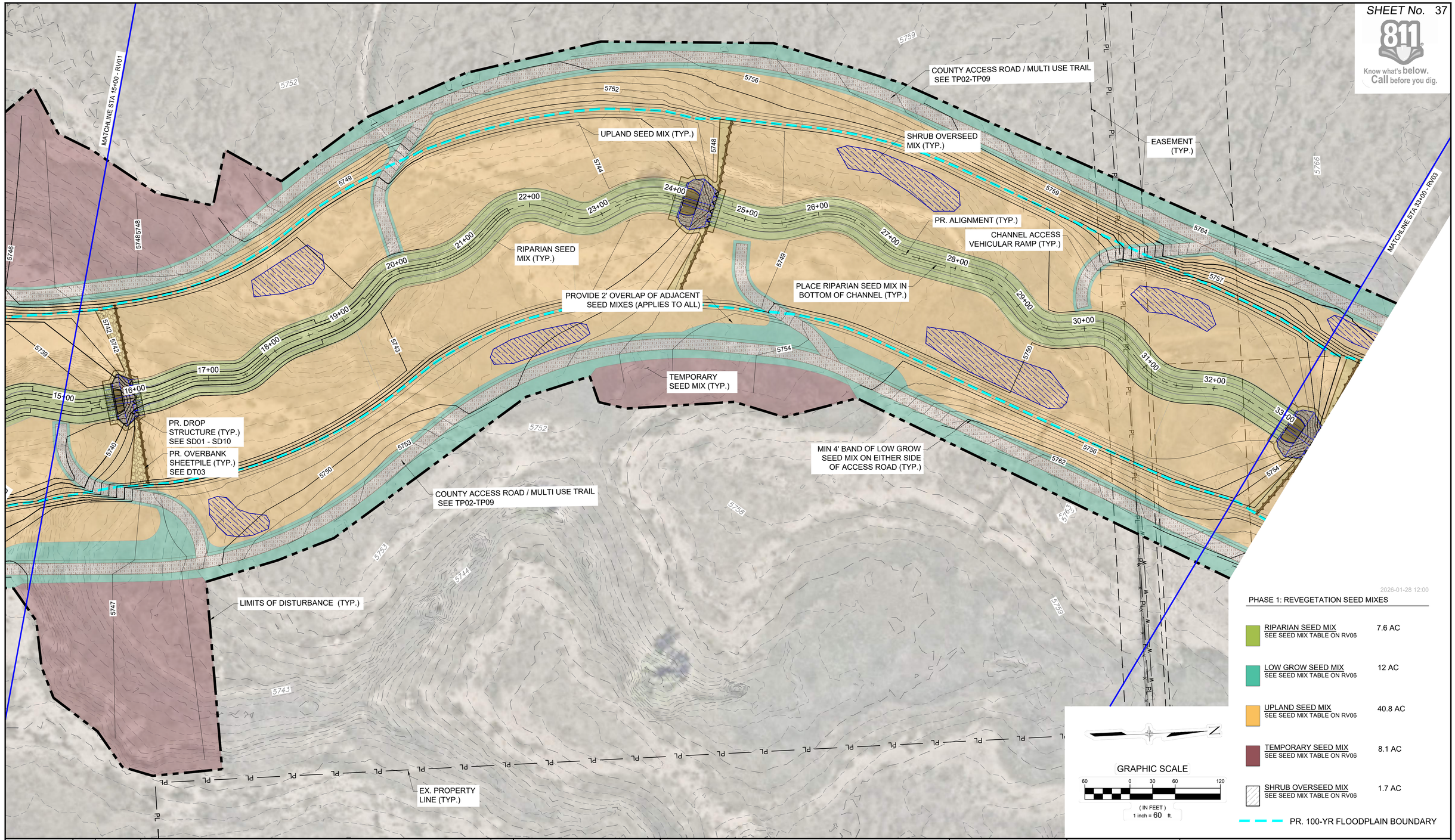
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

REVEGETATION PLAN STA 0+00 TO 15+00

DESIGNED BY:	AV	SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	AV	HORIZ.	1" = 60'			
CHECKED BY:	DJB	VERT.	N/A	SHEET	36 OF 53	RV01



2026-01-28 12:00

PHASE 1: REVEGETATION SEED MIXES

RIPARIAN SEED MIX SEE SEED MIX TABLE ON RV06	7.6 AC
LOW GROW SEED MIX SEE SEED MIX TABLE ON RV06	12 AC
UPLAND SEED MIX SEE SEED MIX TABLE ON RV06	40.8 AC
TEMPORARY SEED MIX SEE SEED MIX TABLE ON RV06	8.1 AC
SHRUB OVERSEED MIX SEE SEED MIX TABLE ON RV06	1.7 AC

PR. 100-YR FLOODPLAIN BOUNDARY

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)
1 inch = 60 ft.

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN
CORE-BORDER
100.300tpx
100.300pbs
points-topo
X-1129-PR STRUCT- PHASE 1
X-1129-PR-REVEG-PHASE 1
X-1129-LOD_LOWER
X-1129-MDG22x34
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

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FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-RV01.dwg
CTB FILE: Matrix(black).ctb
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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

REVEGETATION PLAN
STA 15+00 TO 33+00

DESIGNED BY:	AV	SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	AV	HORIZ.	1" = 60'			
CHECKED BY:	DJB	VERT.	N/A	SHEET	37 OF 53	RV02

2026-01-28 12:00

PHASE 1: REVEGETATION SEED MIXES

RIPARIAN SEED MIX SEE SEED MIX TABLE ON RV06	7.6 AC
LOW GROW SEED MIX SEE SEED MIX TABLE ON RV06	12 AC
UPLAND SEED MIX SEE SEED MIX TABLE ON RV06	40.8 AC
TEMPORARY SEED MIX SEE SEED MIX TABLE ON RV06	8.1 AC
SHRUB OVERSEED MIX SEE SEED MIX TABLE ON RV06	1.7 AC

PR. 100-YR FLOODPLAIN BOUNDARY

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)
1 inch = 60 ft.

Know what's below. Call before you dig.

COUNTY ACCESS ROAD / MULTI USE TRAIL
SEE TP02-TP09

PROVIDE 2' OVERLAP OF ADJACENT SEED MIXES (APPLIES TO ALL)

MATCHLINE STA 33+00 - RV02

MATCHLINE STA 51+00 - RV04

UPLAND SEED MIX (TYP.)

CHANNEL ACCESS VEHICULAR RAMP (TYP.)

PR. OVERBANK SHEETPILE (TYP.)
SEE DT03

EX. EASEMENT (TYP.)

PLACE RIPARIAN SEED IN BOTTOM OF CHANNEL (TYP.)

RIPARIAN SEED MIX (TYP.)

PR. DROP STRUCTURE (TYP.)
SEE SD01 - SD10

TEMPORARY SEED MIX (TYP.)

PR. ALIGNMENT (TYP.)

MIN 4' BAND OF LOW GROW SEED MIX ON EITHER SIDE OF ACCESS ROAD (TYP.)

COUNTY ACCESS ROAD / MULTI USE TRAIL
SEE TP02-TP09

LOW GROW SEED MIX (TYP.)

LIMITS OF DISTURBANCE (TYP.)

EX. PROPERTY LINE (TYP.)

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN CORE-BORDER 100.300tpx 100.300dps points-topo
X-1129-PR STRUCT- PHASE 1
X-1129-PR-REVEG-PHASE 1
X-1129-LOD_LOWER
X-1129-MDG22x34
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

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FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-RV01.dwg
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PREPARED BY:
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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

REVEGETATION
STA 33+00 TO 51+00

DESIGNED BY: AV	SCALE	DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY: AV	HORIZ. 1" = 60'			
CHECKED BY: DJB	VERT. N/A	SHEET	38 OF 53	RV03

2026-01-28 12:00

PHASE 1: REVEGETATION SEED MIXES

RIPARIAN SEED MIX	SEE SEED MIX TABLE ON RV06	7.6 AC
LOW GROW SEED MIX	SEE SEED MIX TABLE ON RV06	12 AC
UPLAND SEED MIX	SEE SEED MIX TABLE ON RV06	40.8 AC
TEMPORARY SEED MIX	SEE SEED MIX TABLE ON RV06	8.1 AC
SHRUB OVERSEED MIX	SEE SEED MIX TABLE ON RV06	1.7 AC

PR. 100-YR FLOODPLAIN BOUNDARY

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)
1 inch = 60 ft.

Know what's below. Call before you dig. 811

REFERENCE DRAWINGS
X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN
CORE-BORDER
100.300px
100.300pbs
points-topo
X-1129-PR STRUCT- PHASE 1
X-1129-PR-REVEG-PHASE 1
X-1129-LOD_LOWER
X-1129-MDG22x34
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

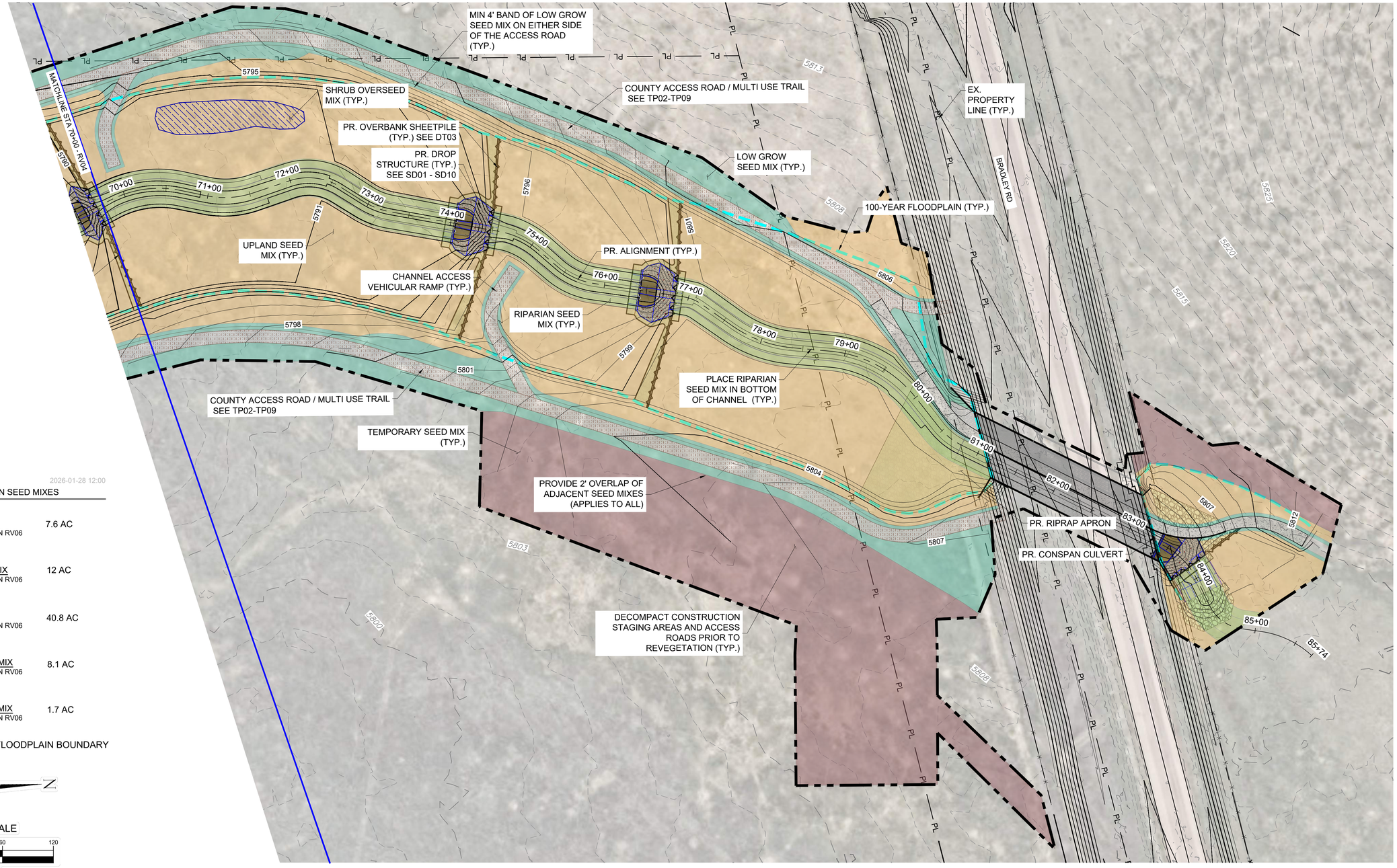
REVEGETATION PLAN
STA 51+00 TO 70+00

DESIGNED BY: AV
DRAWN BY: AV
CHECKED BY: DJB

SCALE
HORIZ. 1" = 60'
VERT. N/A

DATE ISSUED: MAY 2026
SHEET 39 OF 53

DRAWING No. RV04



2026-01-28 12:00

PHASE 1: REVEGETATION SEED MIXES

RIPARIAN SEED MIX SEE SEED MIX TABLE ON RV06	7.6 AC
LOW GROW SEED MIX SEE SEED MIX TABLE ON RV06	12 AC
UPLAND SEED MIX SEE SEED MIX TABLE ON RV06	40.8 AC
TEMPORARY SEED MIX SEE SEED MIX TABLE ON RV06	8.1 AC
SHRUB OVERSEED MIX SEE SEED MIX TABLE ON RV06	1.7 AC

PR. 100-YR FLOODPLAIN BOUNDARY

N

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)

1 inch = 60 ft.

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN CORE-BORDER
100.300tpx
100.300tpbs
points-topo
X-1129-PR STRUCT- PHASE 1
X-1129-PR-REVEG-PHASE 1
X-1129-LOD_LOWER
X-1129-MDG22x34
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

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PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

REVEGETATION PLAN
STA 70+00 TO 85+74

DESIGNED BY:	AV	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	AV	HORIZ.	1" = 60'		
CHECKED BY:	DJB	VERT.	N/A	SHEET	40 OF 53

DRAWING No. RV05

Riparian Transition Seed Mix — Total: 7.6 AC

Scientific Name	Variety	Common Name	PLS lbs/ac	% of Seed Mix by Wgt	PLS/sq ft	% of PLS/sq ft
Graminoids						
Andropogon gerardi	vns.	big bluestem	2.00	5	7	4
Bouteloua gracilis	CO Native	blue grama	1.00	3	17	10
Distichlis spicata	vns.	inland saltgrass	0.60	2	7	4
Eleocharis palustris	vns.	common spikerush	0.20	1	7	4
Juncus balticus	vns.	Baltic rush	0.12	0	8	5
Koeleria macrantha	vns.	prairie junegrass	0.10	0	5	3
Nassella viridula	vns.	green needlegrass	4.00	10	15	9
Schizachyrium scoparium	Cimarron	little bluestem	1.20	3	5	3
Sporobolus airoides	vns.	alkali sacaton	0.15	0	6	4
Sporobolus cryptandrus	vns.	sand dropseed	0.12	0	15	9
Panicum obtusum	vns.	vine mesquite	5.00	13	17	10
Pascopyron smithii	Arriba	western wheatgrass	5.00	13	15	9
Panicum virgatum	Blackwell	switchgrass	2.00	5	12	7
		Graminoid Total	21.49	56	137	82
Forbs						
Asclepias speciosa	vns.	showy milkweed	4	10	7	4
Helianthus annuus	vns.	common sunflower	2.00	5	2	1
Echinacea moench	vns.	purple coneflower	1.50	4	5	3
Liatris punctata	vns.	dotted blazing star	4.00	10	6	4
Monarda fistulosa	vns.	wild bergamot	0.20	1	6	4
Vicia americana	vns.	American vetch	5.50	14	4	3
		Forb Total	17.20	44	30	18
		Total	38.69	100	167	100

*var. = variety; vns. = variety not specified

Upland Seed Mix — Total: 40.8 AC

Scientific Name	Variety	Common Name	PLS lbs/ac	% of Seed Mix by Wgt	PLS/sq ft	% of PLS/sq ft
Graminoids						
Acantherum hymenoides	Paloma	Indian ricegrass	1.50	4	6	4
Bouteloua curtipendula	vns.	sideoats grama	2.00	6	7	5
Bouteloua gracilis	CO Native	blue grama	1.50	4	25	17
Pascopyron smithii	Arriba	western wheatgrass	5.00	15	15	10
Schizachyrium scoparium	Cimarron	little bluestem	1.80	5	8	5
Hesperostipa comata	vns.	needle and thread	2.75	8	9	6
Andropogon gerardi	vns.	big bluestem	2.00	6	7	4
Nassella viridula	vns.	green needlegrass	3.50	10	13	9
Andropogon hallii	vns.	sand bluestem	6.00	18	13	9
Pleuraphis jamesii	Viva	James' galleta	2.00	6	7	5
Bouteloua dactyloides	vns.	buffalograss	1.00	3	8	5
		Graminoid Total	29.05	86	118	80
Forbs and Sub-Shrubs						
Artemisia ludoviciana	vns.	white sagebrush	0.05	0	5	3
Dalea purpurea var. purpurea	Kaneb	purple prairie clover	0.50	1	4	2
Gaillardia aristata	vns.	blanketflower	1.50	4	5	3
Heterotheca villosa	vns.	hairy false goldenaster	0.50	1	6	4
Rudbeckia laciniata	vns.	cutleaf coneflower	1.00	3	6	4
Helianthus maximiliani	vns.	Maximilian sunflower	1.20	4	5	4
		Forb and Sub-Shrub Total	4.75	14	30	20
		Total	33.80	100	148	100

*var. = variety; vns. = variety not specified

Shrub Overseed Mix — Total: 1.7 AC

Scientific Name	Variety	Common Name	PLS lbs/ac	% by Wgt	PLS/sq ft	% of PLS/sq ft
Shrubs						
Amorpha canescens	vns.	leadplant	0.50	8	2	15
Atriplex canescens	vns.	fourwing saltbush	3.00	47	3	20
Ericameria nauseosa	vns.	rubber rabbitbrush	0.40	6	4	24
Krascheninnikovia lanata	vns.	winterfat	2.5	39	6	41
		Total	6.40	100	15	100

*var. = variety; vns. = variety not specified

Low Grow Seed Mix — Total: 12 AC

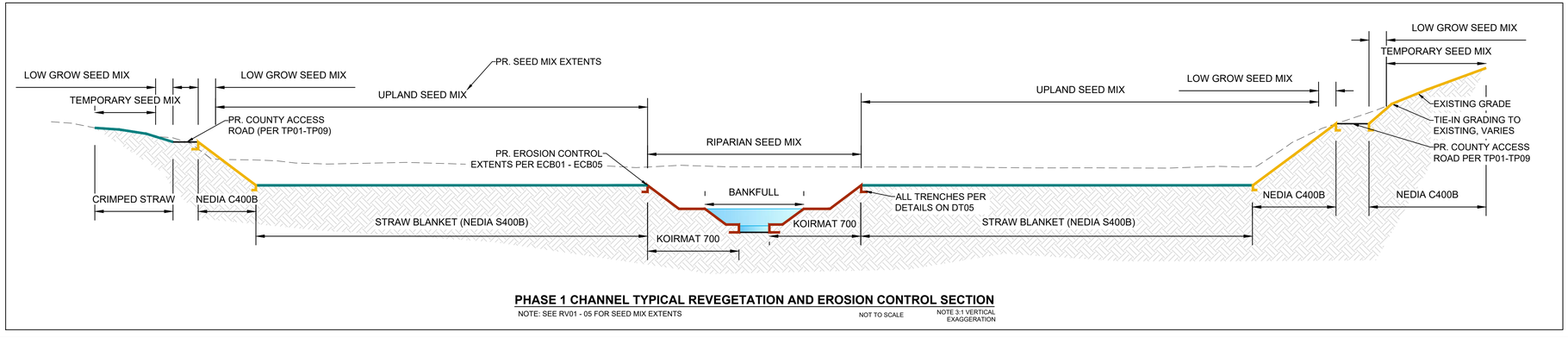
Scientific Name	Variety	Common Name	PLS lbs/ac	% by Weight	PLS/sq ft	% of PLS/sq ft
Graminoids						
Bouteloua dactyloides	Sundancer	buffalograss	18.00	61	23	16
Bouteloua gracilis	CO Native	blue grama	2.40	8	40	28
Festuca idahoensis	vns.	idaho fescue	2.00	7	21	15
Koeleria macrantha	vns.	prairie junegrass	0.40	1	21	15
Pleuraphis jamesii	vns.	James' galleta	6.00	20	21	15
Poa secunda	vns.	Sandberg bluegrass	0.80	3	17	12
		Total	29.60	100	142	100

*var. = variety; vns. = variety not specified

Temporary Seed Mix — Total: 8.1 AC

Scientific Name	Variety	Common Name	PLS lbs/ac	% by Weight	PLS/sq ft	% of PLS/sq ft
Graminoids						
Acantherum hymenoides	Paloma	Indian ricegrass	2.00	7	7	6
Elymus trachycaulus	Pryor	slender wheatgrass	8.00	28	29	25
Bouteloua gracilis	CO Native	blue grama	1.50	5	25	21
Pascopyron smithii	Arriba	western wheatgrass	8.00	28	24	21
Elymus canadensis	vns.	Canada wildrye	8.00	28	21	18
Bouteloua dactyloides	vns.	buffalograss	1.50	5	12	10
		Total	29.00	100	119	100

*var. = variety; vns. = variety not specified



PHASE 1 CHANNEL TYPICAL REVEGETATION AND EROSION CONTROL SECTION

NOTE: SEE RV01 - 05 FOR SEED MIX EXTENTS — NOT TO SCALE — NOTE 3:1 VERTICAL EXAGGERATION

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN
CORE-BORDER
100.300fpx
100.300pbs
points-topo
X-1129-PR STRUCT- PHASE 1
X-1129-PR-REVEG-PHASE 1
X-1129-LOD_LOWER
X-1129-MDS22x34
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

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100% DESIGN PLANS

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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

SEED MIX SCHEDULE

DESIGNED BY:	AV	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	AV	HORIZ.	N/A	SHEET	41 OF 53
CHECKED BY:	DJB	VERT.	N/A	DRAWING No.	RV06

REVEGETATION NOTES:

GENERAL

1. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE FREE OF NOXIOUS SPECIES, UNDESIRABLE SPECIES, AND AGGRESSIVE NON-NATIVE SPECIES INCLUDING BUT NOT LIMITED TO CHEATGRASS, KOCHIA, SMOOTH BROME, AND RUSSIAN THISTLE.
2. ALL MATERIALS SHALL BE FURNISHED IN ORIGINAL MANUFACTURER'S SHIPPING BAGS OR CONTAINERS AND REMAIN IN THESE BAGS OR CONTAINERS UNTIL THEY ARE USED.
3. ALL MATERIALS SHALL BE STORED IN A MANNER THAT WILL PREVENT THEM FROM COMING INTO CONTACT WITH PRECIPITATION, SURFACE WATER, OR ANY OTHER CONTAMINATING SUBSTANCE.
4. ANY MATERIALS THAT HAVE BECOME WET, MOLDY, OR OTHERWISE DAMAGED IN TRANSIT OR IN STORAGE SHALL NOT BE USED.
5. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, INCLUDING THOSE OUTSIDE OF THE LIMITS OF DISTURBANCE, SHALL BE REVEGETATED AND EROSION CONTROL APPLIED.

TOPSOIL AND SOIL TESTING

1. WITHIN THE PROJECT AREA, THE TOP SIX (6) INCHES OF TOPSOIL SHALL BE SALVAGED AND STOCKPILED FOR REUSE.
2. TOPSOIL SAMPLES SHALL BE COLLECTED BY THE ENGINEER, FROM THE STOCKPILES, AND SENT FOR TESTING TO INFORM FINAL SOIL AMENDMENT RECOMMENDATIONS.
3. IF SOIL TESTING INDICATES NATIVE TOPSOIL MEETS THE MINIMUM SPECIFICATIONS, NATIVE MATERIAL MAY BE REUSED WITHOUT THE ADDITION OF AMENDMENTS AS DETERMINED BY THE ENGINEER.

3.1. HUMATE SOIL CONDITIONER SHALL ALWAYS BE APPLIED REGARDLESS OF THE RESULTS OF THE SOIL TESTING.

8. IF SOIL TESTING INDICATES NATIVE TOPSOIL DOES NOT MEET MINIMUM SPECIFICATIONS, THE ENGINEER SHALL CONFIRM THE REQUIRED APPLICATION RATE OF COMPOST, SOIL CONDITIONER, OR OTHER SOIL AMENDMENTS AS NEEDED TO MEET THE MINIMUM SPECIFICATIONS.
9. TOPSOIL SHALL BE PLACED, PRIOR TO APPLICATION OF APPROVED AMENDMENTS, TO A MINIMUM DEPTH OF SIX (6) INCHES ON ALL DISTURBED AREAS.
10. RECOMMENDATIONS OR MODIFICATIONS TO DEPTH OF TOPSOIL SHALL BE DETERMINED BY THE ENGINEER.
11. WHERE SOIL AMENDMENT(S) IS/ARE REQUIRED, THEY SHALL BE EVENLY DISTRIBUTED AND TILLED TO A DEPTH OF SIX (6) INCHES MINIMUM OR AS SPECIFIED BY THE PRODUCT MANUFACTURER INSTRUCTIONS. IF DEPTH IS NOT POSSIBLE, NOTIFY THE ENGINEER IMMEDIATELY.
12. NO HUMATE SOIL CONDITIONING, APPLICATION OF AMENDMENTS, OR SEEDING SHALL OCCUR PRIOR TO SOIL TESTING AND AMENDMENT APPROVALS.

SOIL AMENDMENT AND SITE PREPARATION

1. **FINAL COMPOST AMENDMENT, HUMATE SOIL CONDITIONER, AND OTHER AMENDMENT APPLICATION RATES SHALL BE CONFIRMED BY THE ENGINEER FROM THE RESULTS OF THE SOIL TESTS.**
2. FOR BIDDING PURPOSES, IT IS ASSUMED ALL SEEDING AREAS OUTSIDE OF THE BANKFULL CHANNEL EDGE SHALL BE AMENDED WITH TWO (2) CUBIC YARDS OF ORGANIC, WEED FREE, CLASS A COMPOST PER 1,000 S.F.
3. COMPOST SHALL BE CLASS A AS DEFINED BY CFR TITLE 40, PART 503 OR CLASS 1.
4. CONTRACTOR SHALL SUBMIT A LAB TEST OF COMPOST SAMPLE TO BE USED FOR APPROVAL. LAB TEST OF COMPOST SHALL BE TAKEN FROM THE SAME SOURCE THAT IS TO BE USED ON THIS PROJECT. LAB TEST SHALL BE TAKEN A MAXIMUM OF TWELVE (12) MONTHS PRIOR TO APPLICATION. THE COMPOST SHALL BE TESTED IN ACCORDANCE WITH THE U.S. COMPOSTING COUNCIL'S TEST METHODS FOR EXAMINING OF COMPOSTING AND COMPOST (TMECC) MANUAL.
5. ALL SEEDING AREAS, INCLUDING ALONG THE ACTIVE WATERWAY, SHALL BE AMENDED WITH HUMATE SOIL CONDITIONER THAT SHALL BE APPLIED AT A RATE OF 250 POUNDS PER ACRE, UNLESS OTHERWISE SPECIFIED, AND SHALL BE TOPICALLY APPLIED OR AS SPECIFIED BY THE PRODUCT MANUFACTURER INSTRUCTIONS.
6. HUMATE SOIL CONDITIONER SHALL BE NATURAL MINERAL, CARBON, AND HUMIC ACID-BASED SOIL CONDITIONER AND HAVE THE FOLLOWING CHARACTERISTICS:
   a. HUMIC ACIDS >50%
   b. ORGANIC MATTER >85%
   c. NITROGEN 1%
   d. PHOSPHORUS <0.1%
   e. POTASSIUM <0.1%
   f. PH 3.4 (MAXIMUM)
7. HUMATE SHALL BE APPLIED WHEN MINIMUM DAILY SOIL TEMPERATURES REACH 55°F.
8. ALL DISTURBED AREAS SHALL BE RIPPED TO A MINIMUM DEPTH OF TWELVE (12) INCHES, WITH NO MORE THAN A TWELVE (12) INCH INTERVAL BETWEEN FURROWS.
9. SLOPES FLATTER THAN 2:1 SHALL HAVE A WELL SETTLED SEEDBED SIX (6) INCHES DEEP.
10. SLOPES 2:1 OR STEEPER SHALL BE LEFT IN A ROUGHENED CONDITION.
11. SLOPES SHALL BE FREE OF SOIL CLODS, STICKS, STONES, AND DEBRIS IN EXCESS OF FOUR (4) INCHES IN ANY DIMENSION, AND BE BROUGHT TO THE DESIRED GRADE AND LINE.
12. SOIL PREPARATION FOR SEEDING SHALL NOT OCCUR WHEN SOIL IS FROZEN OR IN AN EXTREME WET OR DRY CONDITION.
13. DRAGGING EXCAVATOR TEETH IS NOT AN ACCEPTABLE METHOD FOR RIPPING

SEEDING

1. CONTRACTOR SHALL BE REQUIRED TO SUBMIT SIGNED STATEMENTS OF GUARANTEE, SEED CERTIFICATIONS, AND SEED LOT ANALYSES FROM VENDORS WHO SUPPLY SEED.
2. SEED CERTIFICATION SHOULD PROVIDE INFORMATION THAT THE SEED FURNISHED IS FROM A LOT THAT HAS BEEN TESTED BY A RECOGNIZED LABORATORY FOR SEED TESTING WITHIN TWELVE (12) MONTHS PRIOR TO THE DATE OF SEEDING.
3. ALL SEED SHALL BE FURNISHED IN BAGS OR CONTAINERS CLEARLY AND PROPERLY LABELED TO SHOW THE NAME AND ADDRESS OF THE SUPPLIER, THE SEED NAME, THE LOT NUMBER, NET WEIGHT, ORIGIN, THE PERCENT OF WEED SEED CONTENT, THE GUARANTEED PERCENTAGE OF PURITY AND GERMINATION, POUNDS OF PURE LIVE SEED (PLS) OF EACH SEED SPECIES, AND THE TOTAL POUNDS OF PLS IN THE CONTAINER.
4. ALL SEED SHALL BE GUARANTEED FOR PURITY AND GERMINATION, FREE OF NOXIOUS WEED SEED AND SUPPLIED ON A PURE LIVE SEED (PLS) BASIS.
5. ANY SUBSTITUTIONS OF SEED SPECIES MUST BE APPROVED BY THE ENGINEER PRIOR TO PURCHASE OF SEED.
6. **SEED LOT ANALYSES ARE REQUIRED TO BE SUBMITTED TO THE ENGINEER PRIOR TO PURCHASE OF SEED FOR APPROVAL. ANY SEED PURCHASED OR DELIVERED TO THE SITE WITHOUT THE APPROVAL OF THE ENGINEER SHALL NOT BE USED AND IS AT THE EXPENSE OF THE CONTRACTOR.**
7. ALL SEED MIXES SHALL BE INSTALLED WITH A TWO FOOT OVERLAP BETWEEN SEED AREAS.
8. ALL NATIVE SEEDING SHALL OCCUR DURING THE PREFERRED SEEDING WINDOW OR ALTERNATIVE WINDOW WITH PRIOR APPROVAL FROM THE ENGINEER.
   a. **PREFERRED SEEDING WINDOW: OCTOBER 1 THROUGH APRIL 15**
   b. APRIL 15 - JUNE 1: SEEDING ALLOWED WITH PRIOR APPROVAL FROM ENGINEER. ADDITIONAL OR CHANGES TO AMENDMENTS MAY BE REQUIRED TO IMPROVE SEED GERMINATION.
   c. JUNE 1 - OCTOBER 1: SEEDING ALLOWED ONLY WITH FULL COVERAGE TEMPORARY IRRIGATION SYSTEM DURING THIS TIME PERIOD IF APPROVED BY THE ENGINEER.
   d. **ANY SEEDING TO OCCUR OUTSIDE OF THE PREFERRED SEEDING WINDOW MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE.**
8. SEED SHALL NOT BE APPLIED DURING INCLEMENT WEATHER INCLUDING RAIN AND HIGH WINDS, OR WHEN SOIL MOISTURE IS TOO HIGH TO EVENLY DISTRIBUTE SEED.
9. SEEDING SHALL NOT OCCUR WHEN THE GROUND IS MUDDY, FROZEN, WHEN FREEZING TEMPERATURES ARE FORECASTED WITHIN 24 HOURS, OR WHEN CONDITIONS ARE OTHERWISE UNSUITABLE.
10. SEEDING SHALL BE ACCOMPLISHED WITHIN 48 HOURS OF PREPARING THE SEEDING SURFACE.
11. DRILL SEEDING OR BROADCAST SEEDING SHALL BE USED FOR REVEGETATION. THE SIZE AND SLOPE OF THE DISTURBED AREA SHALL DETERMINE WHICH SEEDING METHOD(S) IS APPROPRIATE AND ACCEPTABLE.
   a. WHERE FEASIBLE, DRILL SEEDING IS THE REQUIRED METHOD.
   b. IF BROADCAST SEEDING IS EMPLOYED, EITHER BY HAND, SPREADER, OR OTHER APPROVED MEANS, THE SEEDING RATE (PLS LBS/ACRE) SHALL BE DOUBLED THE RATE SHOWN ON THE SEED MIX TABLES PROVIDED.
   c. HYDRAULIC SEEDING WILL NOT BE ACCEPTED UNLESS APPROVED BY THE ENGINEER.

11. FOR SLOPES EQUAL TO OR LESS THAN 3:1, SEED SHALL BE PLANTED USING A RANGELAND DRILL WITH A SMALL SEED/LEGUME BOX AND AN AGITATOR BOX FOR FLUFFY OR BULKY SEED.
   a. SEED ROWS SHALL BE SPACED SEVEN (7) TO TEN (10) INCHES APART, AND PLANTED ½ INCH TO ¾ INCH DEEP.
   b. THE DRILL SHALL HAVE DOUBLE-DISK FURROW OPENERS WITH DEPTH BANDS AND PACKER WHEELS.
   c. SEEDING SHALL BE ACCOMPLISHED USING BI-DIRECTIONAL DRILLING AND WITH THE SECOND DIRECTION FOLLOWING THE SLOPE CONTOUR.
   d. THE DRILL EQUIPMENT SHALL BE CALIBRATED EACH DAY OR WHENEVER THERE IS A CHANGE IN THE SEED MIX TO ENSURE PROPER SEED DISTRIBUTION AND RATE.

12. FOR SLOPES GREATER THAN 3:1, SEED SHALL BE BROADCAST BY HAND OR MECHANICAL SPREADER.
   a. ALL SEED SOWN BY BROADCAST-TYPE SEEDERS SHALL BE RAKED IN OR COVERED WITH SOIL TO A DEPTH OF AT LEAST ¼ INCH.
   b. BROADCAST SEEDING SHALL PROCEED ON FRESHLY DISTURBED (RAKED OR HARROWED) SOIL SURFACE AND BROADCAST SEED SHALL BE IMMEDIATELY RAKED OR HARROWED INTO THE SURFACE.
   c. RAKING SHALL BE ACCOMPLISHED USING METAL-TINED GARDEN OR LANDSCAPE RAKES; NO PLASTIC LEAF RAKES SHALL BE ALLOWED.
   d. IF HARROWING IS USED, AN ENGLISH HARROW OR ITS EQUIVALENT SHALL BE REQUIRED.
   e. BROADCAST SEEDING SHALL BE AVOIDED WHEN WIND SPEED EXCEEDS 15 MILES-PER-HOUR.
13. WITHIN 24 HOURS FOLLOWING SEEDING, ALL SEEDED AREAS SHALL BE WATERED SUFFICIENTLY AS TO SATURATE THE SOILS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING WATER TO SEEDED AREAS.
14. FOLLOWING SEEDING, HEAVY MACHINERY SHALL NOT BE DRIVEN ACROSS SEEDED AREAS TO AVOID RE-COMPACTION OF SOILS. IF RE-COMPACTION OCCURS, THE ENGINEER MAY REQUIRE DECOMPACTION AND RE-SEEDING AT THE EXPENSE OF THE CONTRACTOR.
15. ACCESS ROUTES SHALL BE SCARIFIED AND REVEGETATED AFTER CONSTRUCTION. SEED AND EROSION CONTROL ALONG ACCESS SHOULD MATCH HYDROLOGIC ZONES AS SHOWN IN REVEGETATION PLANS AND AS DIRECTED BY THE ENGINEER.

EROSION CONTROL

1. REFERENCE EROSION CONTROL DETAILS ON DT05 FOR INSTALLATION.
2. CONTRACTOR SHALL SUBMIT SAMPLES OF THE EROSION CONTROL FABRIC, BLANKET, AND/OR MATTING, GROUND ANCHORING DEVICES, AND METHOD OF ANCHORING TO THE ENGINEER PRIOR TO PURCHASE FOR APPROVAL.

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN CORE-BORDER
100.300fpx
100.300pbs
points-bppo
X-1129-PR STRUCT- PHASE 1
X-1129-PR-REVEG-PHASE 1
X-1129-LOD_LOWER
X-1129-MDG22x34
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

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THE LANDHUIS COMPANY

PREPARED BY:
Matrix
Excellence by Design

SEAL

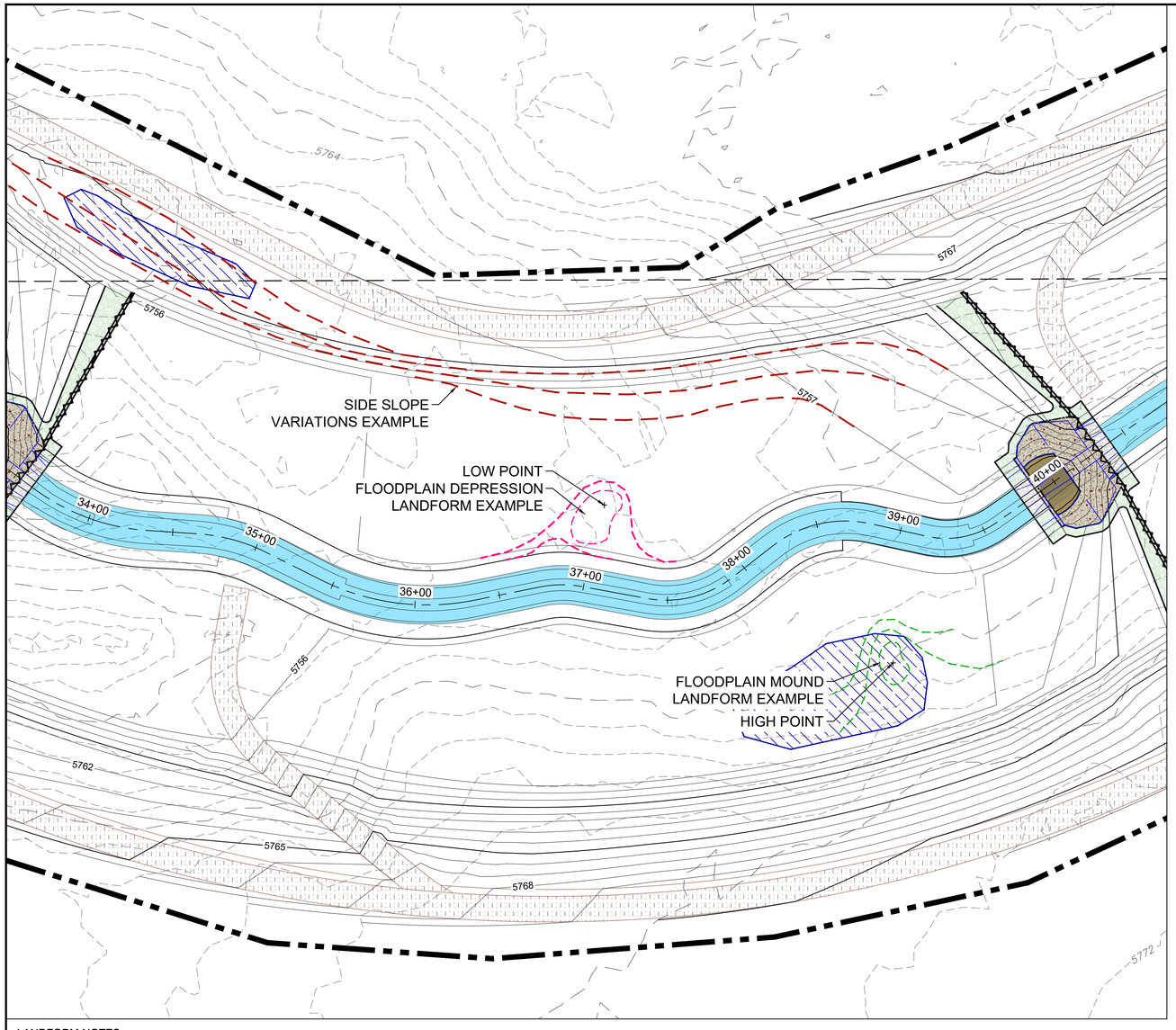
FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

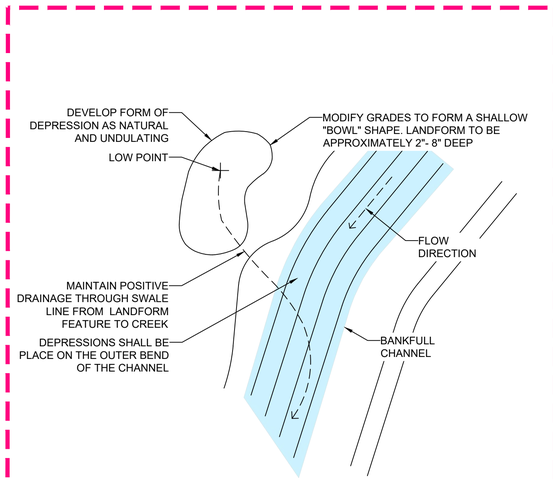
LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

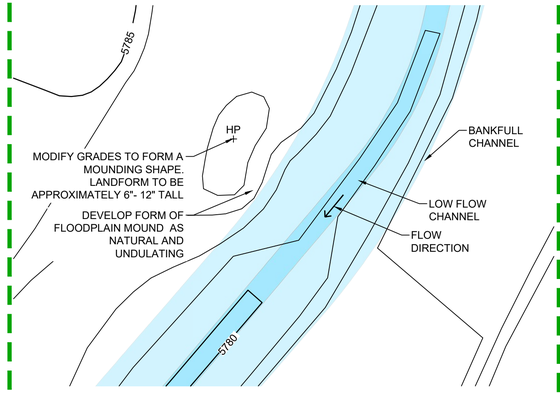
REVEGETATION NOTES

DESIGNED BY: AV
DRAWN BY: AV
CHECKED BY: DJB
SCALE HORIZ. N/A VERT. N/A
DATE ISSUED: MAY 2026
SHEET 42 OF 53
DRAWING No. RV07

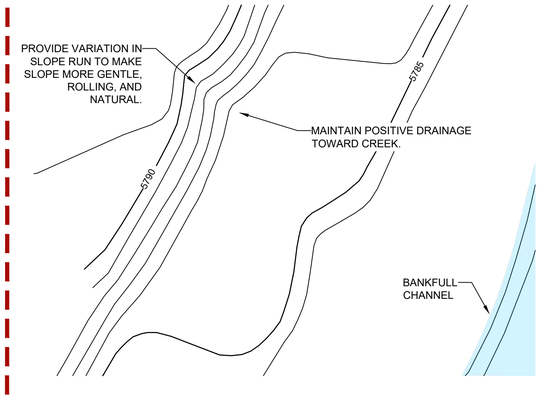




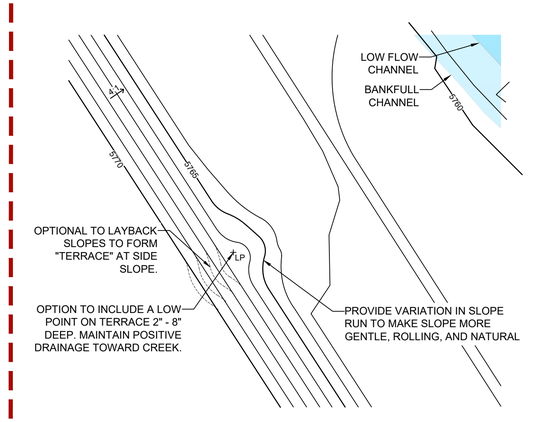
1 LANDFORM - FLOODPLAIN DEPRESSION
NTS ES-RO-01



2 LANDFORM - FLOODPLAIN MOUND
NTS MS-STD-REV-22



3 LANDFORM - SIDE SLOPE VARIATION A
NTS MS-STD-REV-12



4 LANDFORM - SIDE SLOPE VARIATION B
NTS MS-STD-REV-13

LANDFORM NOTES:

1. CONTRACTOR TO WORK WITH ENGINEER TO DETERMINE THE NUMBER, SIZE, AND LOCATION OF LANDFORMS PRIOR TO FINISHED GRADING.
2. CONTRACTOR SHALL GIVE ENGINEER ONE (1) WEEK NOTICE PRIOR TO BEGINNING INSTALL OF LANDFORMS.
3. LANDFORMS TO BE FORMED DURING FINISHED GRADING AFTER TOPSOIL HAS BEEN PLACED, PRIOR TO REVEGETATION AND PLACEMENT OF EROSION CONTROL MEASURES.
4. LANDFORM MOUNDS TO BE NO GREATER THAN 12 INCHES, LANDFORM DEPRESSIONS TO BE NO DEEPER THAN EIGHT (8) INCHES. CONFIRM DEPTH WITH ENGINEER AS NEEDED.
5. CONTRACTOR TO CONFIRM FINAL LANDFORMS WITH ENGINEER PRIOR TO REVEGETATION AND PLACEMENT OF EROSION CONTROL MATERIALS.
6. CONTRACTOR TO ENSURE EROSION CONTROL MATERIALS CAN BE INSTALLED WITH THE LANDFORMS CREATED.
7. MAINTAIN POSITIVE DRAINAGE TO THE CREEK AT ALL TIMES.
8. LANDFORMS SHALL NOT IMPEDE ENGINEERED OR NATURAL DESIGN FLOWS.
9. LANDFORMS SHALL NOT SIGNIFICANTLY ALTER THE GRADING PLAN.

REFERENCE DRAWINGS

X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN
CORE-BORDER
100.300tpx
100.300tpbs
points-bppo
X-1129-PR STRUCT- PHASE 1
X-1129-PR-REVEG-PHASE 1
X-1129-LOD_LOWER
X-1129-MDG22x34
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

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PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

MICROTOPOGRAPHY DETAILS

DESIGNED BY:	AV	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	AV	HORIZ.	N/A	SHEET	43 OF 53
CHECKED BY:	DJB	VERT.	N/A	DRAWING No.	RV08

TIE INTO EXISTING TRAIL

MATCHLINE STA 15+00 - EC02

LIMITS OF DISTURBANCE (TYP.)

COUNTY ACCESS ROAD / MULTI-USE TRAIL SEE TP02 - TP09

CRIMPED STRAW (TYP.)

COCONUT BLANKET (TYP.)

TIE IN EROSION CONTROL TO EDGE OF ACCESS ROAD AND RAMPS (TYP.)

CHANNEL ACCESS VEHICULAR RAMP (TYP.)

STRAW BLANKET (TYP.)

KOIRMAT 700 (TYP.)

PR. ALIGNMENT (TYP.)

TIE INTO EXISTING ALIGNMENT

PR 100-YR FLOODPLAIN BOUNDARY (TYP.)

TRENCH ALL FABRIC EDGES PER DT05 (TYP.)

TIE INTO EXISTING TRAIL

WHERE SLOPES EXCEED 3:1 USE COCONUT BLANKET (TYP.)

COUNTY ACCESS ROAD / MULTI-USE TRAIL SEE TP02 - TP09

PROPERTY LINE (TYP.)

2026-01-28 12:11

EROSION CONTROL SCHEDULE PHASE 1

KOIRMAT 700	NEDIA KOIRMAT 700 WITH STRAW UNDERLAYMENT (1500 LBS/AC) OR APPROVED EQUAL	32,000 SY
COCONUT BLANKET	NEDIA C400B OR APPROVED EQUAL	113,300 SY
STRAW BLANKET	NEDIA S400B OR APPROVED EQUAL	76,900 SY
CRIMPED STRAW MULCH	3000 LBS/AC	103,140 SY

PR. 100-YEAR FLOODPLAIN BOUNDARY

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)

1 inch = 60 ft.

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN
CORE-BORDER
100.300tpx
100.300tpbs
points-topo
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-PR-ECB-PHASE 1
X-1129.009-AERIAL_Phase1

No.	DATE	DESCRIPTION	BY

REVISIONS

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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

EROSION CONTROL PLANS STA 0+00 TO 15+00

DESIGNED BY:	AMV	*SCALE*		*DATE ISSUED:*	MAY 2026
DRAWN BY:	AMV	*HORIZ.*	1" = 60'	*SHEET*	44 *OF* 53
CHECKED BY:	DJB	*VERT.*	N/A		*DRAWING No.* ECB01

MATCHLINE STA 15+00 - EC01

MATCHLINE STA 33+00 - EC03

COUNTY ACCESS ROAD / MULTI-USE TRAIL SEE TP02 - TP09

EX. PROPERTY LINE (TYP.)

TIE IN EROSION CONTROL TO EDGE OF ACCESS ROAD AND RAMPS (TYP.)

PR 100-YR FLOODPLAIN BOUNDARY (TYP.)

TRENCH KOIR INTO EDGE OF RIPRAP (TYP.)

COCONUT BLANKET (TYP.)

KOIRMAT 700 (TYP.)

PR. DROP STRUCTURE (TYP.) SEE SD01 - SD10

PR. SHEETPILE (TYP.) SEE DT03

PR. ALIGNMENT (TYP.)

CHANNEL ACCESS VEHICULAR RAMP (TYP.)

STRAW BLANKET (TYP.)

CRIMPED STRAW (TYP.)

TRENCH ALL FABRIC EDGES PER DT05 (TYP.)

WHERE SLOPES EXCEED 3:1 USE COCONUT BLANKET (TYP.)

LIMITS OF DISTURBANCE (TYP.)

COUNTY ACCESS ROAD / MULTI-USE TRAIL SEE TP02 - TP09

2026-01-28 12:11

EROSION CONTROL SCHEDULE PHASE 1

KOIRMAT 700 NEDIA KOIRMAT 700 WITH STRAW UNDERLAYMENT (1500 LBS/AC) OR APPROVED EQUAL		32,000 SY
COCONUT BLANKET NEDIA C400B OR APPROVED EQUAL		113,300 SY
STRAW BLANKET NEDIA S400B OR APPROVED EQUAL		76,900 SY
CRIMPED STRAW MULCH 3000 LBS/AC		103,140 SY
PR. 100-YR FLOODPLAIN BOUNDARY		

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)

1 inch = 60 ft.

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN CORE-BORDER
100.300tpx
100.300pbs
points-topo
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-PR-ECB-PHASE 1
X-1129.009-AERIAL_Phase1

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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

EROSION CONTROL PLANS
STA 15+00 TO 33+00

DESIGNED BY:	AMV	SCALE		DATE ISSUED:	MAY 2026
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CHECKED BY:	DJB	VERT.	N/A		

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2026-01-28 12:11

EROSION CONTROL SCHEDULE PHASE 1

KOIRMAT 700 NEDIA KOIRMAT 700 WITH STRAW UNDERLAYMENT (1500 LBS/AC) OR APPROVED EQUAL	32,000 SY
COCONUT BLANKET NEDIA C400B OR APPROVED EQUAL	113,300 SY
STRAW BLANKET NEDIA S400B OR APPROVED EQUAL	76,900 SY
CRIMPED STRAW MULCH 3000 LBS/AC	103,140 SY

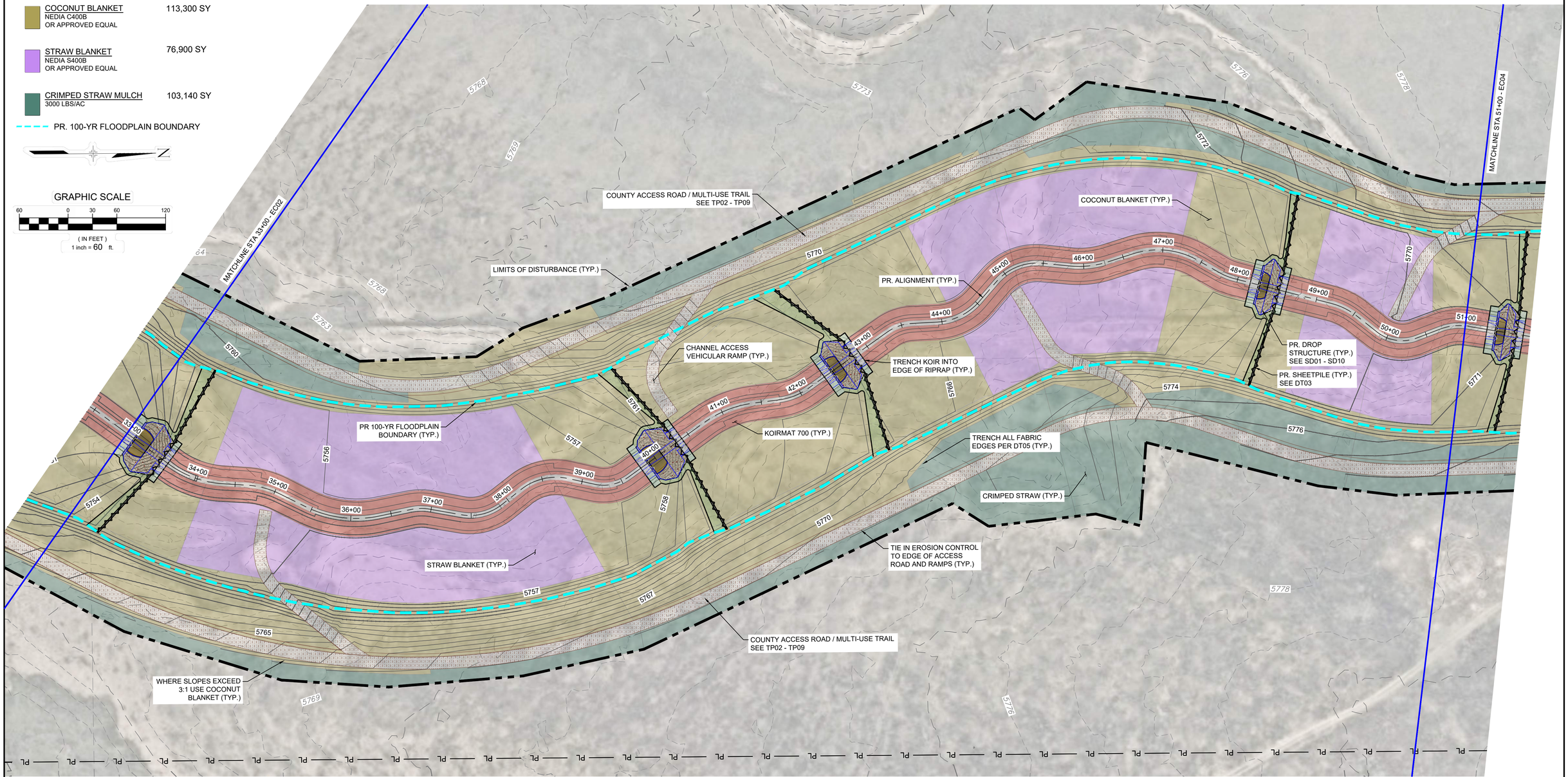
PR. 100-YR FLOODPLAIN BOUNDARY

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)

1 inch = 60 ft.



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X-1129-PARCELS
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X-1129-PR-DEVELOPMENT PLAN
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points-topo
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-PR-ECB-PHASE 1
X-1129.009-AERIAL_Phase1

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PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

EROSION CONTROL PLANS
STA 33+00 TO 51+00

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DRAWN BY:	AMV	HORIZ.	1" = 60'			
CHECKED BY:	DJB	VERT.	N/A	SHEET	46 OF 53	ECB03

2026-01-28 12:11

EROSION CONTROL SCHEDULE PHASE 1

KOIRMAT 700 NEDIA KOIRMAT 700 WITH STRAW UNDERLAYMENT (1500 LBS/AC) OR APPROVED EQUAL	32,000 SY
COCONUT BLANKET NEDIA C400B OR APPROVED EQUAL	113,300 SY
STRAW BLANKET NEDIA S400B OR APPROVED EQUAL	76,900 SY
CRIMPED STRAW MULCH 3000 LBS/AC	103,140 SY
PR. 100-YR FLOODPLAIN BOUNDARY	

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)
1 inch = 60 ft.

MATCHLINE STA 51+00 - EC03

MATCHLINE STA 70+00 - EC05

PROPERTY LINE (TYP.)

WHERE SLOPES EXCEED 3:1 USE COCONUT BLANKET (TYP.)

CRIMPED STRAW (TYP.)

COCONUT BLANKET (TYP.)

LIMITS OF DISTURBANCE (TYP.)

COUNTY ACCESS ROAD / MULTI-USE TRAIL SEE TP02 - TP09

PR. ALIGNMENT (TYP.)

KOIRMAT 700 (TYP.)

TRENCH KOIR INTO EDGE OF RIPRAP (TYP.)

PR 100-YR FLOODPLAIN BOUNDARY (TYP.)

STRAW BLANKET (TYP.)

CHANNEL ACCESS VEHICULAR RAMP (TYP.)

PR. DROP STRUCTURE (TYP.) SEE SD01 - SD10

PR. SHEETPILE (TYP.) SEE DT03

TRENCH ALL FABRIC EDGES PER DT05 (TYP.)

TIE IN EROSION CONTROL TO EDGE OF ACCESS ROAD AND RAMPS (TYP.)

COUNTY ACCESS ROAD / MULTI-USE TRAIL SEE TP02 - TP09

51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00 63+00 64+00 65+00 66+00 67+00 68+00 69+00 70+00

5771 5773 5775 5778 5779 5780 5781 5783 5785 5786 5788 5789 5790 5792 5794 5795 5796

Know what's below. Call before you dig.

REFERENCE DRAWINGS

X-1129-MDG22x34
X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN CORE-BORDER 100.300tpx 100.300pbs
points-topo
X-1129-PR STRUCT- PHASE 1
X-1129-LOD_LOWER
X-1129-PR-ECB-PHASE 1
X-1129.009-AERIAL_Phase1

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FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
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EROSION CONTROL PLANS
STA 51+00 TO 70+00

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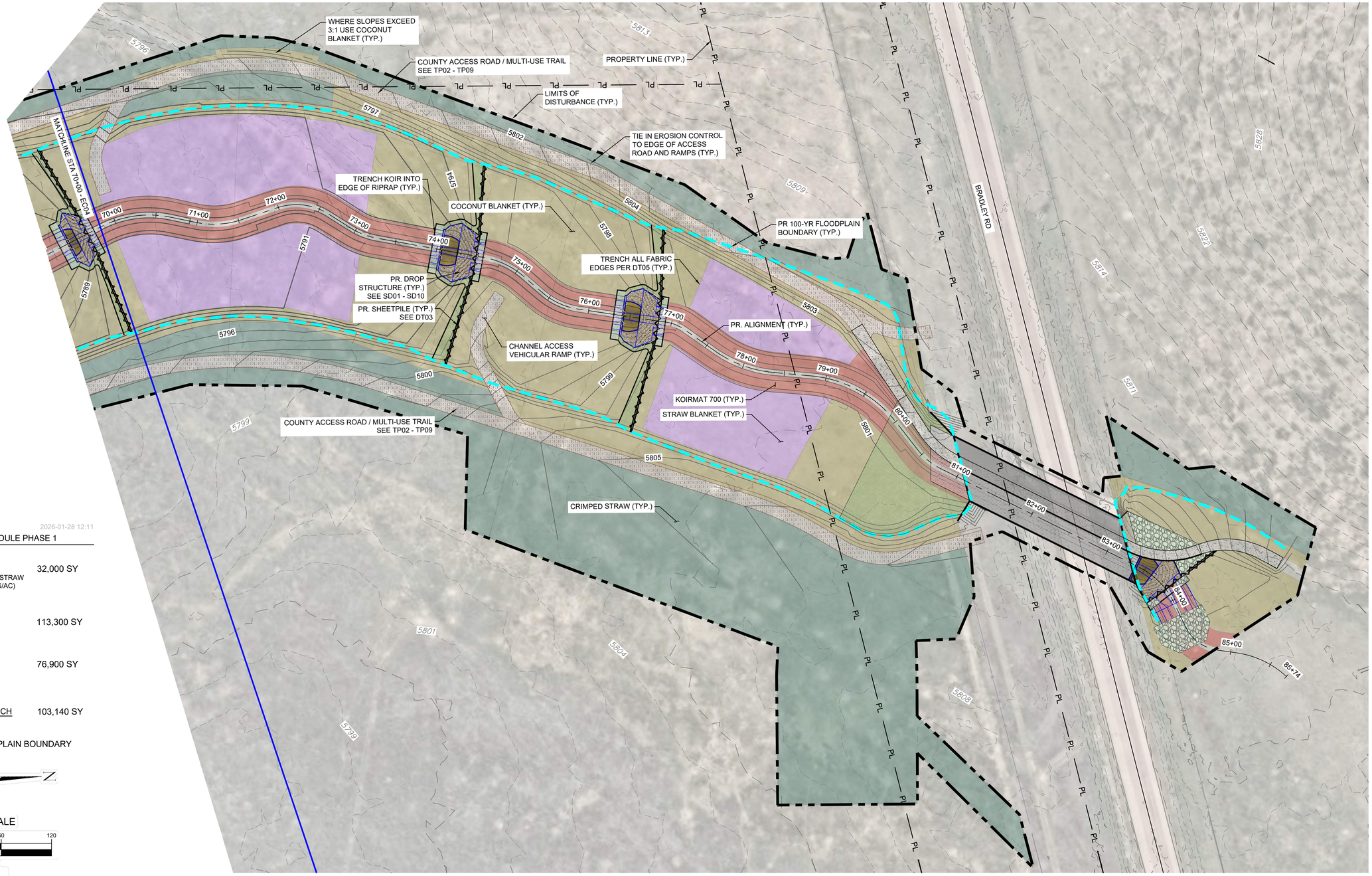

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ERODION CONTROL SCHEDULE PHASE 1

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COCONUT BLANKET NEDIA C400B OR APPROVED EQUAL	113,300 SY
STRAW BLANKET NEDIA S400B OR APPROVED EQUAL	76,900 SY
CRIMPED STRAW MULCH 3000 LBS/AC	103,140 SY

PR. 100-YR FLOODPLAIN BOUNDARY

GRAPHIC SCALE

60 0 30 60 120

(IN FEET)
1 inch = 60 ft.

REFERENCE DRAWINGS

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X-1129-PARCELS
X-1129-UTILITIES
X-1129-PR-DEVELOPMENT PLAN CORE-BORDER
100.300tpx
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X-1129-PR STRUCT- PHASE 1
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X-1129-PR-ECB-PHASE 1
X-1129.009-AERIAL_Phase1

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PROJECT No. 21.1129.009

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ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

EROSION CONTROL PLANS
STA 70+00 TO 85+74

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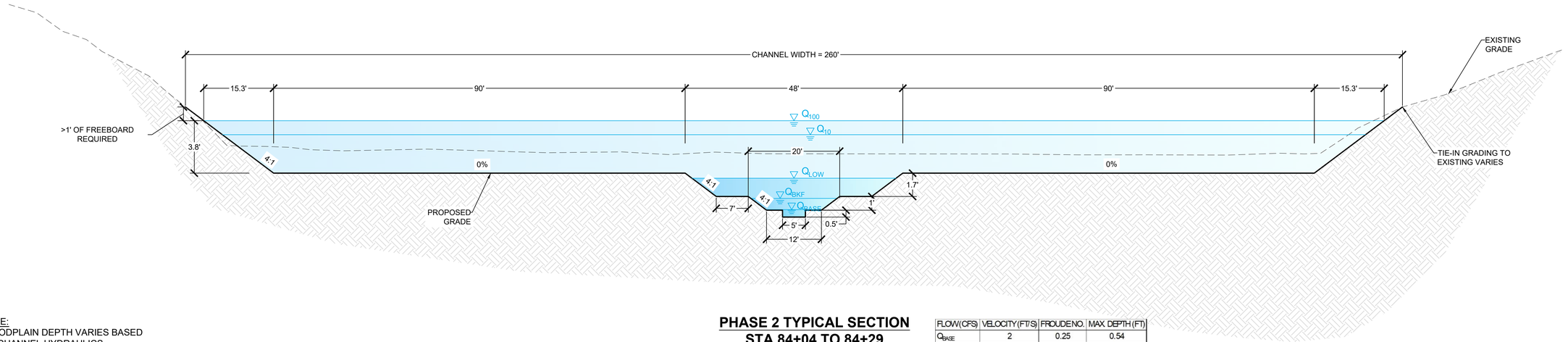


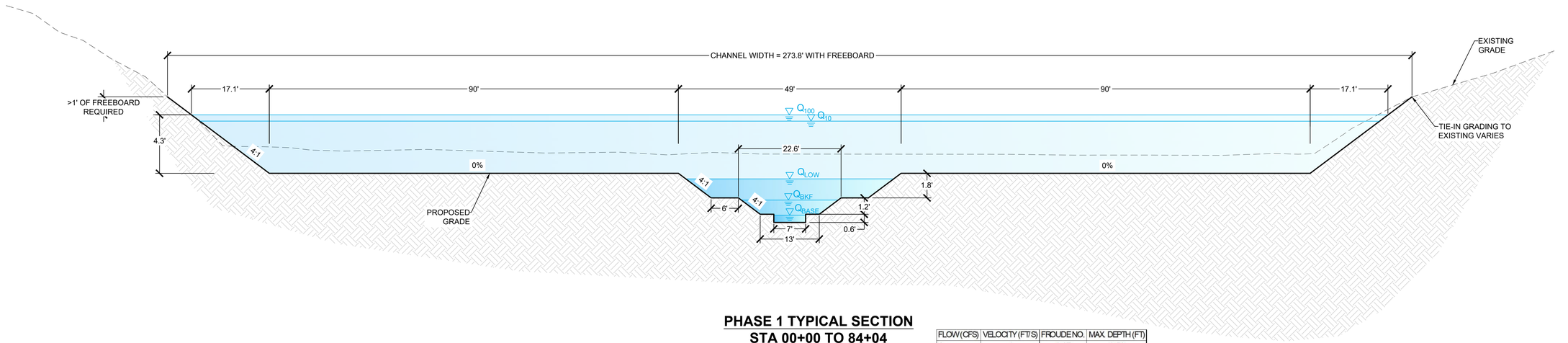
NOTE:
FLOODPLAIN DEPTH VARIES BASED ON CHANNEL HYDRAULICS.

PHASE 2 TYPICAL SECTION
STA 84+04 TO 84+29

NOT TO SCALE

NOTE 3:1 VERTICAL EXAGGERATION

FLOW (CFS)	VELOCITY (FT/S)	FROUDE NO.	MAX. DEPTH (FT)
Q_{BASE}	2	0.25	0.54
Q_{BKF}	25	0.31	1.36
Q_{LOW}	183	0.36	2.83
Q_{10}	2320	0.31	6.00
Q_{100}	3600	0.32	7.02



PHASE 1 TYPICAL SECTION
STA 00+00 TO 84+04

NOT TO SCALE

NOTE 3:1 VERTICAL EXAGGERATION

FLOW (CFS)	VELOCITY (FT/S)	FROUDE NO.	MAX. DEPTH (FT)
Q_{BASE}	4	0.27	0.53
Q_{BKF}	40	0.32	1.64
Q_{LOW}	227	0.37	3.19
Q_{10}	3729	0.32	7.42
Q_{100}	440	0.32	7.88

FLOW DATA SOURCES:
Q_{BASE} - MIN. CONSTRUCTIBLE CHANNEL
Q_{BKF} - MATRIX REGRESSION EQUATIONS
Q_{LOW} - CITY/COUNTY EQUATIONS
Q_{10} - 2015 DBPS
Q_{100} - FEMA FIS

SEE CHANNEL DESIGN REPORT FOR ADDITIONAL DETAIL.

REFERENCE DRAWINGS
X-1129-MDG22x34

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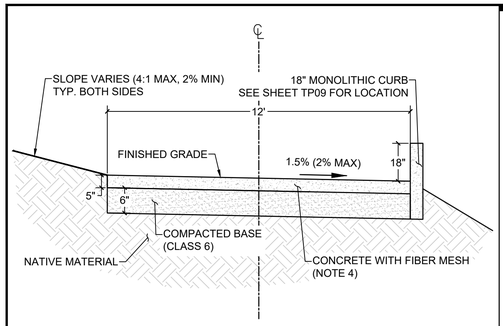
PROJECT No. 21.1129.009

THE LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TYPICAL DESIGN CHANNEL SECTION

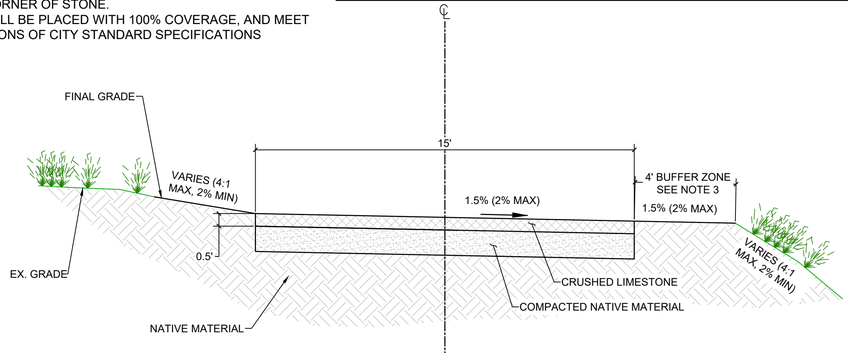
DESIGNED BY: TKM	SCALE		DATE ISSUED: MAY 2026	DRAWING No.
DRAWN BY: RPD	HORIZ. N/A			
CHECKED BY: DJB	VERT. N/A		SHEET 49 OF 53	DT01



COUNTY ACCESS ROAD / MULTI-USE TRAIL TYPICAL CROSS SECTION - CONCRETE

NTS

NOTE:
1. PROVIDE POSITIVE DRAINAGE TOWARDS THE CHANNEL.
2. SEE PROJECT CONTRACT DOCUMENTS FOR ROAD BASE AND COMPACTION SPECIFICATIONS.
3. SEE SHEET TP09 FOR EXTENTS OF CONCRETE TRAIL.
4. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AND BE A CITY OF COLORADO SPRINGS (CITY) APPROVED MIX DESIGN.
5. WHEN CONCRETE FOR TRAIL IS MAINTAINED BY CITY PARKS, THE ADDITION OF 1.5 LBS OF POLYOLEFIN MACRO-FIBER PER CUBIC YARD SHALL BE ADDED TO THE APPROVED CONCRETE MIX DESIGN. MIXING SHALL BE AS RECOMMENDED BY THE MANUFACTURER SUCH THAT THE FIBERS DO NOT BALL UP AND ARE EVELY DISTRIBUTED IN THE MIX. POLYOLEFIN FIBERS SHALL MEET THE REQUIREMENTS OF ASTM C-1116 AND ASTM D-7508.
6. SAWCUT 1 INCH DEEP CONTROL JOINTS EVERY 10 FEET.
7. EXPANSION JOINTS EVERY 100 FEET, 1/4 DEPTH OF TRAIL. ALL EXPANSION JOINTS SHALL BE SEALED.
8. A MEDIUM BROOM FINISH, WITH SWEEPS PERPENDICULAR TO THE DIRECTION OF TRAVEL SHALL BE APPLIED TO ALL CONCRETE SURFACES.
9. THE CONTRACTOR SHALL STAMP THEIR COMPANY NAME AND CONSTRUCTION DATE A MINIMUM OF EVERY 100 FEET IN THE LOWER RIGHT CORNER OF STONE.
10. WHITE CURE SHALL BE PLACED WITH 100% COVERAGE, AND MEET THE SPECIFICATIONS OF CITY STANDARD SPECIFICATIONS (SECTION 500).



COUNTY ACCESS ROAD / MULTI-USE TRAIL & CHANNEL ACCESS VEHICULAR RAMP TYPICAL CROSS SECTION

NOTE:
1. PROVIDE POSITIVE DRAINAGE TOWARDS THE CHANNEL.
2. SEE PROJECT CONTRACT DOCUMENTS FOR ROAD BASE AND COMPACTION SPECIFICATIONS.
3. CHANNEL ACCESS VEHICULAR RAMPS DO NOT INCLUDE THE 4' BUFFER ZONE.

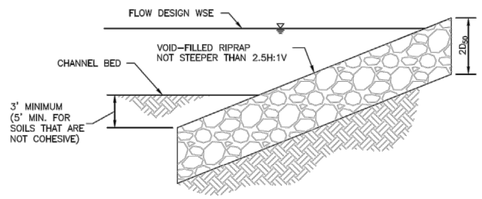


TABLE 1. MIX REQUIREMENTS FOR TYPE VL AND L VOID–FILLED RIPRAP (D_{50} = 6 TO 9 INCH)

APPROPRIATE PROPORTIONS (BY VOLUME)	MATERIAL TYPE	MATERIAL DESCRIPTION
6 PARTS	RIPRAP	D_{50} = 6 INCH (TYPE VL) OR D_{50} = 9 INCH (TYPE L), SEE TABLE 3
1 PART	VOID–FILL MATERIAL	VTC (VEHICLE TRACKING CONTROL) ROCK (CRUSHED ROCK WITH 100% PASSING 4–INCH SIEVE, 50–70% PASSING 3–INCH SIEVE, 0–10% PASSING 2–INCH SIEVE)
1 PART	VOID–FILL MATERIAL	4–INCH MINUS PIT RUN SURGE (ROUND RIVER ROCK AND SAND, WELL GRADED, 90–100% PASSING 4–INCH SIEVE, 70–80% PASSING 1½–INCH SIEVE, 40–60% PASSING ⅜–INCH SIEVE, 10–30% PASSING #16 SIEVE)
1 PART	VOID–FILL MATERIAL	TYPE II BEDDING (CRUSHED ROCK WITH 100% PASSING 3–INCH SIEVE, 20–90% PASSING ¾–INCH SIEVE, 0–20% PASSING #4 SIEVE, 0–3% PASSING #200 SIEVE)
½ TO 1 PART	VOID–FILL MATERIAL	NATIVE TOPSOIL

VOID–FILLED RIPRAP PLACEMENT AND GRADATION

Figure 8-35. Void-filled riprap placement and gradation (part 1 of 3)

TABLE 2. MIX REQUIREMENTS FOR TYPE M AND H VOID–FILLED RIPRAP (D_{50} = 12 TO 18 INCH)

APPROPRIATE PROPORTIONS (BY VOLUME)	MATERIAL TYPE	MATERIAL DESCRIPTION
6 PARTS	RIPRAP	D_{50} = 12–INCH (TYPE M) OR D_{50} = 18–INCH (TYPE H), SEE TABLE 3
2 PART	VOID–FILL MATERIAL	7–INCH MINUS CRUSHED ROCK SURGE (100% PASSING 7–INCH SIEVE, 80–100% PASSING 6–INCH SIEVE, 35–50% PASSING 3–INCH SIEVE, 10–20% PASSING 1½–INCH SIEVE)
1 PART	VOID–FILL MATERIAL	VTC (VEHICLE TRACKING CONTROL) ROCK (CRUSHED ROCK WITH 100% PASSING 4–INCH SIEVE, 50–70% PASSING 3–INCH SIEVE, 0–10% PASSING 2–INCH SIEVE)
1 PART	VOID–FILL MATERIAL	4–INCH MINUS PIT RUN SURGE (ROUND RIVER ROCK AND SAND, WELL GRADED, 90–100% PASSING 4–INCH SIEVE, 70–80% PASSING 1½–INCH SIEVE, 40–60% PASSING ⅜–INCH SIEVE, 10–30% PASSING #16 SIEVE)
1 PART	VOID–FILL MATERIAL	TYPE II BEDDING (CRUSHED ROCK WITH 100% PASSING 3–INCH SIEVE, 20–90% PASSING ¾–INCH SIEVE, 0–20% PASSING #4 SIEVE, 0–3% PASSING #200 SIEVE)
½ TO 1 PART	VOID–FILL MATERIAL	NATIVE TOPSOIL

TABLE 3. VOID–FILLED RIPRAP PLACEMENT AND GRADATION

RIPRAP DESIGNATION	% SMALLER THAN GIVEN SIZE BY WEIGHT	INTERMEDIATE ROCK DIMENSION (INCHES)	D_{50}* (INCHES)
TYPE VL	70 – 100 50 – 70 35 – 50 2 – 10	12 9 6 2	6
TYPE L	70 – 100 50 – 70 35 – 50 2 – 10	15 12 9 3	9
TYPE M	70 – 100 50 – 70 35 – 50 2 – 10	21 18 12 4	12
TYPE H	70 – 100 50 – 70 35 – 50 2 – 10	30 24 18 6	18

*D_{50} = MEAN ROCK SIZE

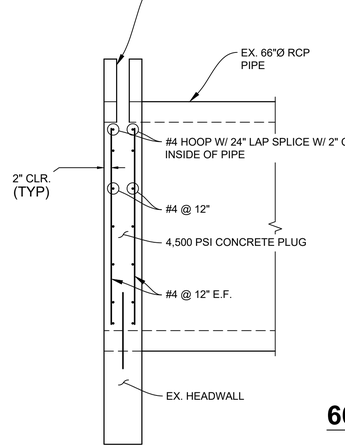
NOTE: MIX ON SITE AND PRIOR TO PLACEMENT

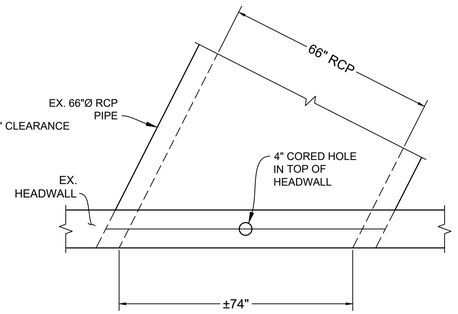
Figure 8-35. Void-filled riprap placement and gradation (part 2 of 3)

VOID–FILLED RIPRAP PLACEMENT AND GRADATION NOTES:

1. WHERE "VOID–FILLED RIPRAP" IS DESIGNATED ON THE CONTRACT DRAWINGS, RIPRAP SHALL BE MIXED WITH THE MATERIALS AND ASSOCIATED PROPORTIONS LISTED IN TABLE 1 OR TABLE 2 TO FILL THE VOIDS OF THE RIPRAP.
2. THE MIX PROPORTIONS PROVIDED IN TABLE 1 AND TABLE 2 ARE APPROXIMATE AND ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER.
3. THE RIPRAP AND VOID–FILLED MATERIALS SHALL BE STOCKPILED SEPERATELY AND THOROUGHLY MIXED PRIOR TO PLACEMENT AND SHALL BE INSTALLED AND COMPACTED SO THAT A DENSE, INTERLOCKED LAYER OF RIPRAP AND VOID–FILL MATERIAL IS PROVIDED WITH RIPRAP VOIDS COMPLETELY FILLED. THE LOOSE MATERIAL SHALL BE PLACED IN A SINGLE LIFT OF SUFFICIENT HEIGHT SUCH THAT FINAL GRADE WILL BE ACHIEVED UPON COMPACTED. IF THE COMPACTED MATERIAL IS BELOW FINAL GRADE, PLACEMENT OF ONLY THE SMALLER VOID–FILL MATERIALS TO ACHIEVE FINAL GRADE IS NOT PERMITTED. IN SUCH CASES IT IS NECESSARY TO ADD MORE STANDARD SIZED VOID–FILLED RIPRAP AND REMIX THE ENTIRE THICKNESS OF ROCK TO ACHIEVE THE DESIGN SECTION. SEGREGATION OF MATERIALS SHALL BE AVOIDED AND IN NO CASE SHALL THE COMBINED MATERIAL CONSIST PRIMARILY OF THE VOID–FILL MATERIALS. THE DENSITY AND INTERLOCKING NATURE OF RIPRAP IN THE MIXED MATERIAL SHALL ESSENTIALLY BE THE SAME AS IF THE RIPRAP WAS PLACED WITHOUT FILLING THE VOIDS.
4. COMPACTION OF THE VOID–FILLED RIPRAP SHALL BE PERFORMED BY WHEEL ROLLING WITH HEAVY RUBBER–TIRED EQUIPMENT (E.G. FRONT END LOADER). THE MOISTURE CONTENT OF THE MIXTURE SHALL BE AT OPTIMUM CONDITIONS PRIOR TO COMPACTION AND WATER SHALL BE ADDED, AS NECESSARY, AT THE DIRECTION OF THE ENGINEER.
5. WHERE INDICATED ON THE DRAWINGS, A SURFACE LAYER OF MOIST TOPSOIL SHALL BE PLACED OVER THE VOID–FILLED RIPRAP. THE TOPSOIL SURFACE LAYER SHALL BE COMPACTED TO APPROXIMATELY 85% OF MAXIMUM DENSITY AND WITHIN TWO PERCENTAGE POINTS OF OPTIMUM MOISTURE IN ACCORDANCE WITH ASTM D698. TOPSOIL SHALL BE ADDED TO ANY AREAS THAT SETTLE.
6. ALL VOID–FILLED RIPRAP THAT IS BURIED WITH TOPSOIL SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ANY TOPSOIL PLACEMENT.

Figure 8-35. Void-filled riprap placement and gradation (part 3 of 3)

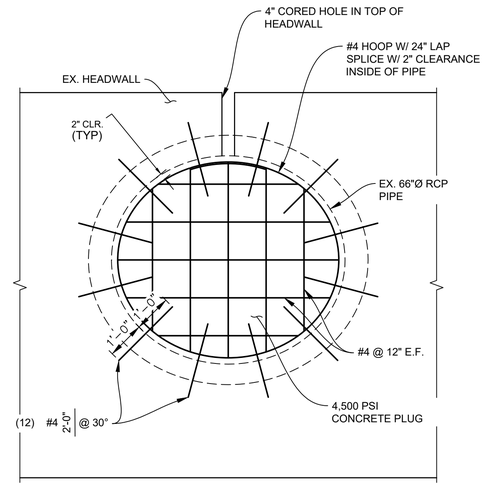




66" RCP CULVERT PLUG DETAIL

NTS

NOTES:
1. ALL CONCRETE SHALL BE CDOT CLASS D (f'_c = 4,500 PSI)
2. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A-615 (f_y = 60,000 PSI)



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No.	DATE	DESCRIPTION	BY

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PREPARED BY:
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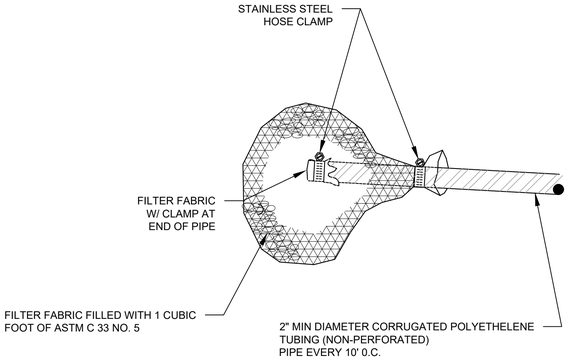
PROJECT No. 21.1129.009

THE LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

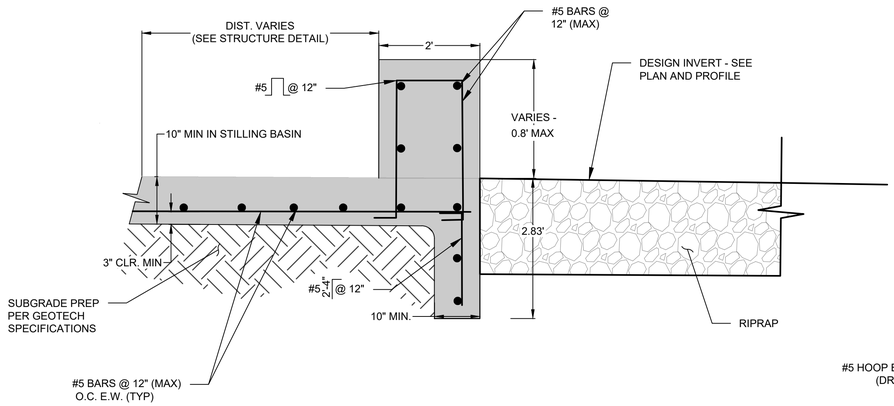
TYPICAL DETAILS

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026	DRAWING No.
DRAWN BY:	RPD	HORIZ.	N/A			
CHECKED BY:	DJB	VERT.	N/A	SHEET	50 OF 53	DT02



WEEP DRAIN DETAIL

NTS



STRUCTURE END SILL DETAIL

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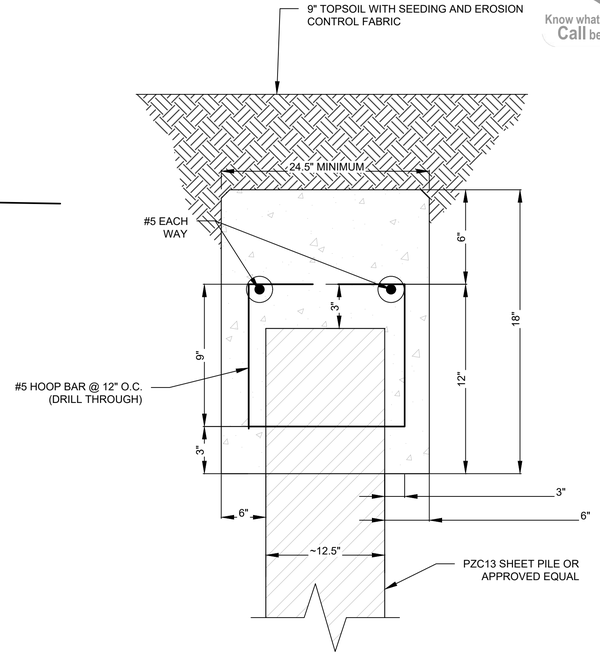
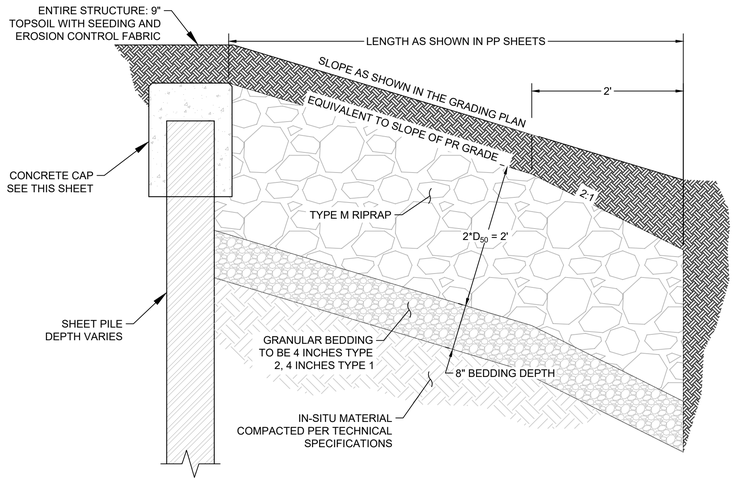


CONCRETE SHEET PILE CAP

NTS

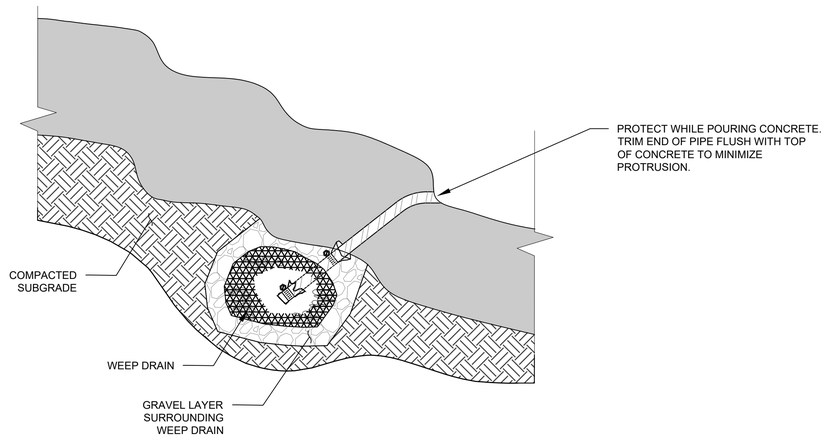


OVERBANK SHEET PILE CROSS SECTION X-X - WITH RIPRAP PROTECTION

NTS

NOTE:

1. SHEETPILE TO BE PLACED WHERE NOTED IN THE PLAN AND PROFILE SHEETS.
2. EXTENTS OF RIPRAP AS SHOWN IN THE PLAN AND PROFILE SHEETS. VARIES FOR EACH TYPICAL DROP.



NOTE: APPROXIMATE LOCATIONS OF WEEP DRAINS ARE SHOWN ON THE STRUCTURE DETAIL SHEETS.

WEEP DRAINS (SCULPTED CONCRETE)

NTS

REFERENCE DRAWINGS

X-1129-MDG22x34

No.	DATE	DESCRIPTION	BY

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THE LANDHUIS COMPANY

PREPARED BY: Matrix Excellence by Design

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

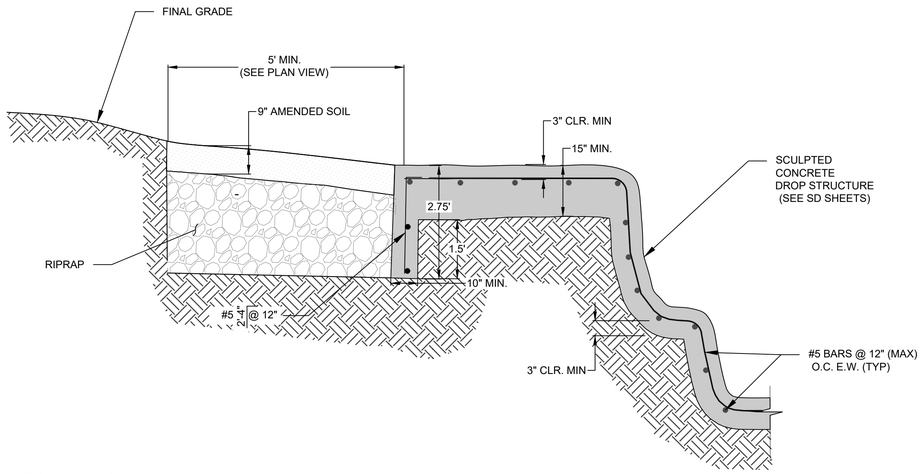
SEAL

THE LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TYPICAL GRADE CONTROL DETAILS
SCULPTED CONCRETE DROP STRUCTURE

		SCALE		DATE ISSUED:		DRAWING No.
DESIGNED BY:	TKM	HORIZ.	N/A	MAY 2026		DT03
DRAWN BY:	RPD	VERT.	N/A	SHEET	51 OF 53	
CHECKED BY:	DJB					

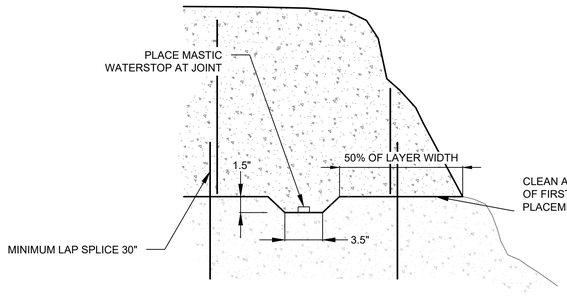


GENERAL EDGE WALL NOTES:

1. DETAIL APPLIES TO THE OUTER PERIMETER OF THE STRUCTURE THAT IS DOWNSTREAM OF THE CREST SHEET PILE CUTOFF WALL.

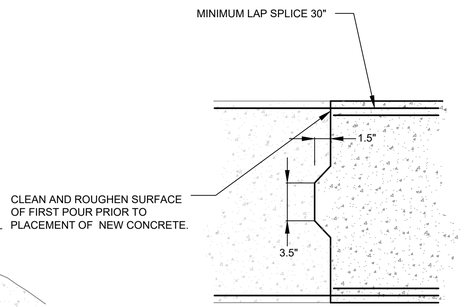
STRUCTURE EDGE WALL DETAIL

NTS



HORIZONTAL CONSTRUCTION JOINT DETAIL

NTS

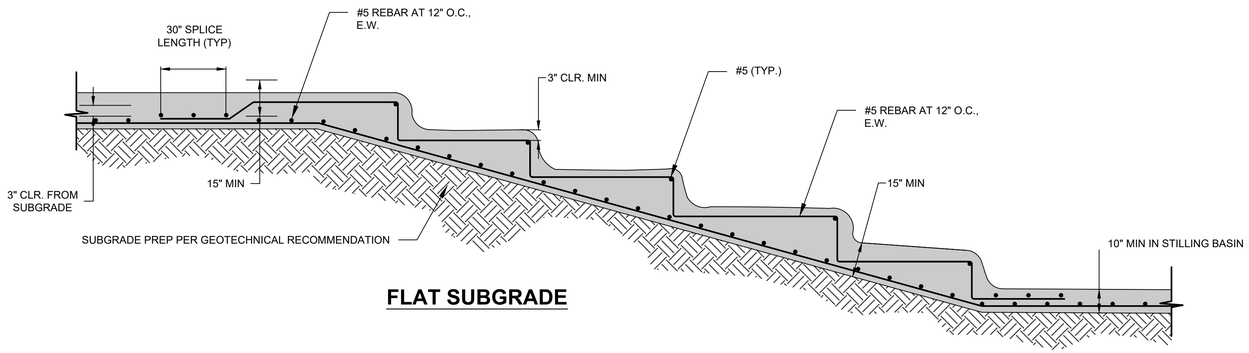


LONGITUDINAL CONSTRUCTION JOINT DETAIL

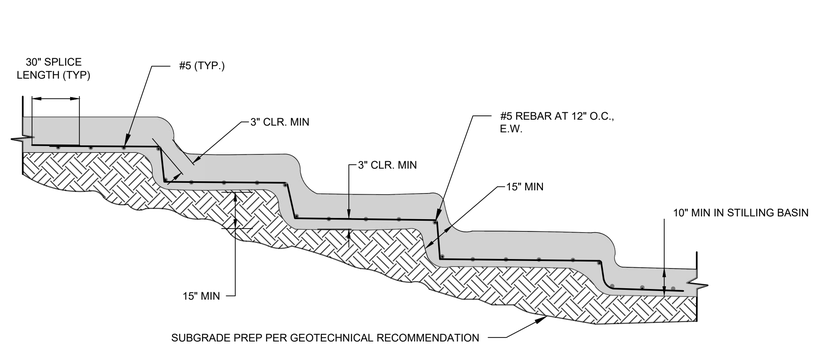
NTS

GENERAL CONSTRUCTION JOINT NOTES:

1. CONTRACTOR MUST SHOW THE LOCATION OF CONSTRUCTION JOINTS IN THE SCULPTED CONCRETE CONSTRUCTION PLAN. CONSTRUCTION JOINT LOCATIONS REQUIRE ENGINEER APPROVAL PRIOR TO INSTALLATION.
2. LONGITUDINAL JOINTS ARE NOT PERMITTED IN BASE FLOW CHANNEL
3. PLACE HORIZONTAL CONSTRUCTION JOINTS PERPENDICULAR TO THE DIRECTION OF FLOW IN THE BASE FLOW CHANNEL.
4. IF THE CONCRETE DROP STRUCTURE IS POURED IN LAYERS, CONCRETE SHALL OVERLAP THE PREVIOUS LAYER BY A MINIMUM OF 50% OF THE HORIZONTAL LAYER WIDTH.



FLAT SUBGRADE



UNDULATED SUBGRADE

SCULPTED CONCRETE REBAR PLACEMENT

NTS

GENERAL SCULPTED CONCRETE NOTES:

1. THE GENERAL APPEARANCE OF THE SCULPTED CONCRETE SHOULD MIMIC THE LOOK OF LOCAL BEDROCK, BOULDERS, LOGS, AND/OR STUMPS.
2. THE PROPOSED SLOPES ALONG THE FACE OF THE STRUCTURES SHOULD BE BROKEN INTO STAIRCASE-LIKE ROCK ELEMENTS. THE WIDTH AND HEIGHT OF THESE ELEMENTS SHOULD VARY NATURALLY.
3. THE CONTRACTOR SHALL PROVIDE A SAMPLE POUR, WITH SCULPTING AND FINISHING, BEFORE CONCRETE IS POURED FOR THE PROPOSED STRUCTURES.
4. FEATURE ELEMENTS (SUCH AS STUMPS AND LOGS) WILL BE ADDED TO THE STRUCTURES AT THE ENGINEER'S DIRECTION IN COORDINATION WITH THE CONTRACTOR. PHOTOS FROM PAST PROJECTS CAN BE PROVIDED AS EXAMPLES FOR THE AESTHETIC OF THESE ELEMENTS.

REFERENCE DRAWINGS
X-1129-MDG22x34

No.	DATE	DESCRIPTION	BY

REVISIONS

COMPUTER FILE MANAGEMENT

FILE NAME: S:\21.1129.009 Rolling Hills Floodplain and Permitting\Dwg\Design Plans\Phase 1\1129.009-DT01.dwg
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THE LANDHUIS COMPANY

PREPARED BY:
Matrix
Excellence by Design

SEAL

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.
PROJECT No. 21.1129.009

THE LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TYPICAL GRADE CONTROL DETAILS
SCULPTED CONCRETE DROP STRUCTURE

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
DRAWN BY:	RPD	HORIZ.	N/A	DRAWING No.	DT04
CHECKED BY:	DJB	VERT.	N/A	SHEET	52 OF 53

GENERAL FABRIC NOTES:

1. THE FOLLOWING EROSION CONTROL FABRICS WILL BE USED:

1.1 COIR FABRIC SHALL BE NEDIA KOIRMATT 700 (OR APPROVED EQUAL) WITH STRAW UNDERLAYMENT.
1.2 COCONUT FABRIC SHALL BE NEDIA C400B (OR APPROVED EQUAL).
1.3 STRAW BLANKET SHALL BE NEDIA S400B (OR APPROVED EQUAL).

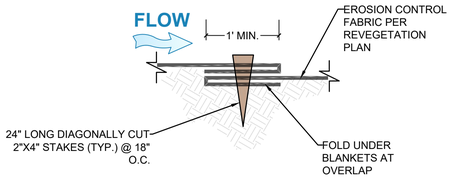
STRAW BELOW KOIRMAT 700 SHALL BE INSTALLED AT A RATE OF 1000 LBS PER ACRE.
CRIMPED STRAW MULCH OUTSIDE OF BLANKED AREAS SHALL BE INSTALLED AT A RATE OF 3000 LBS PER ACRE.

SEE ECB01-05 FOR LIMITS OF FABRIC.

2. SEE EROSION CONTROL MANUFACTURER SHEETS FOR ADDITIONAL INFORMATION FOR FABRIC PLACEMENT. DIRECTION OF BLANKET INSTALLATION SHALL FOLLOW MANUFACTURER RECOMMENDATIONS UNLESS APPROVED BY THE ENGINEER.
3. STAKE TYPES SHALL BE THE FOLLOWING:

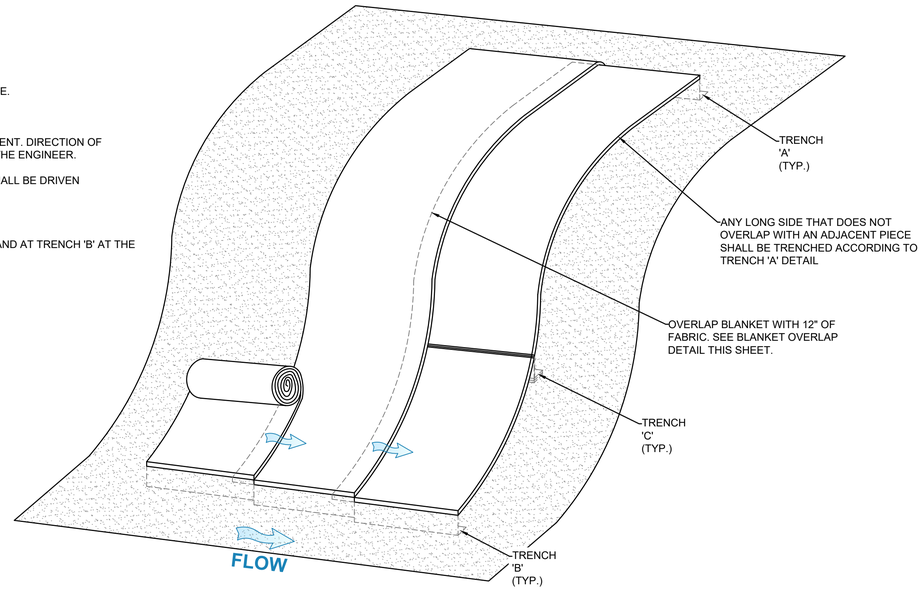
3.1 COIR FABRIC SHALL BE SECURED USING 24" WOOD STAKES AS SHOWN ON THIS SHEET. THESE STAKES SHALL BE DRIVEN PERPENDICULAR TO THE FABRIC TO A DEPTH THAT LEAVES 3" MAX EXPOSED ABOVE THE FABRIC.
3.2 COCONUT AND STRAW FABRIC SHALL BE SECURED USING 12" WOOD ECO-STAKES.

4. STAKING PATTERN SHALL BE 18" O.C. ALONG ALL SEEMS AND 30" O.C. ACROSS CENTER OF FABRIC.
5. "JUMPING JACK" OR SIMILAR MEANS SHALL BE USED TO BACKFILL TRENCHES AT FABRIC TRANSITIONS AND AT TRENCH 'B' AT THE TOE OF THE LOW FLOW CHANNEL.



BLANKET OVERLAP DETAIL

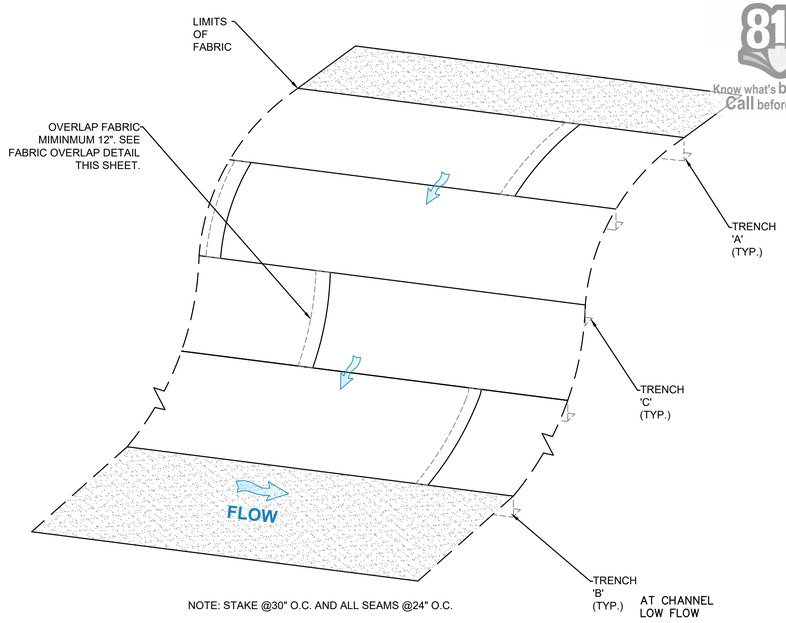
NTS



NOTE: STAKE @30" O.C. AND ALL SEAMS @18" O.C.

EROSION CONTROL BLANKET SLOPE INSTALLATION DETAIL

NTS



NOTE: STAKE @30" O.C. AND ALL SEAMS @24" O.C.

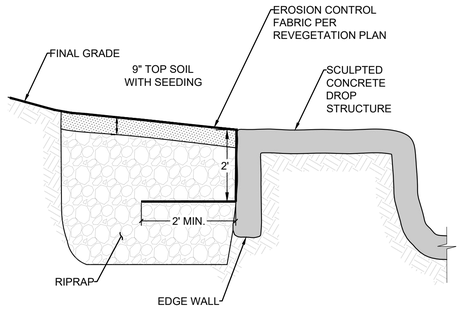
EROSION CONTROL BLANKET PARALLEL INSTALLATION DETAIL

NTS

SAW 2"X4" LUMBER ON DIAGONAL

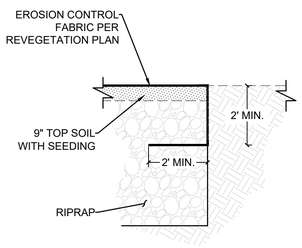
WOOD STAKE DETAIL

NTS



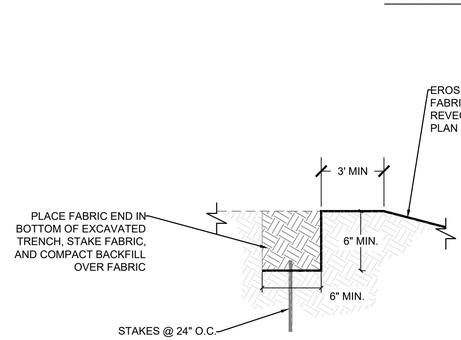
FABRIC TUCK AT EDGE WALL DETAIL

NTS

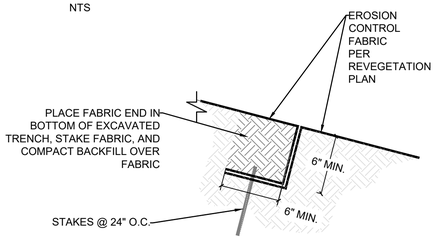


FABRIC TRENCH IN RIPRAP DETAIL

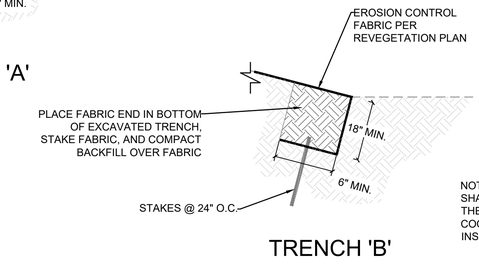
NTS



TRENCH 'A'



TRENCH 'C'



TRENCH 'B'

NOTE: TRENCH 'C' OR INTERMEDIATE ANCHOR TRENCHES SHALL BE INSTALLED A MAXIMUM OF 20' UPSCALE FROM THE TOE OF SLOPE AND EVERY 20' THEREAFTER. COORDINATE WITH COUNTY EROSION CONTROL INSPECTOR FOR REQUIREMENT PLACEMENT OF TRENCH 'C'.

FABRIC TRENCH DETAILS

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THE LANDHUIS COMPANY

ROLLING MEADOWS FLOODPLAIN MODIFICATIONS - PHASE 1
100% DESIGN PLANS

TYPICAL FABRIC DETAILS

DESIGNED BY:	TKM	SCALE		DATE ISSUED:	MAY 2026
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CHECKED BY:	DJB	VERT.	N/A	SHEET	53 OF 53

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