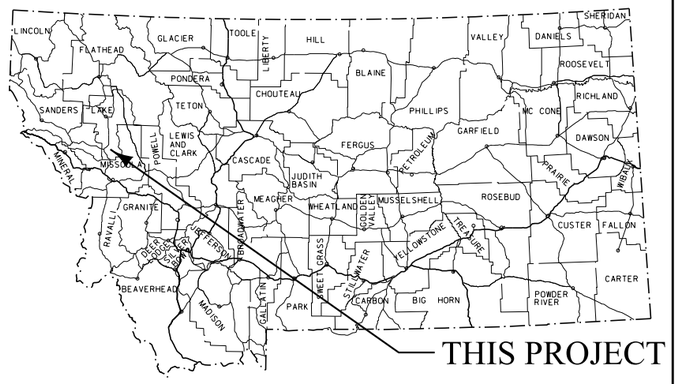
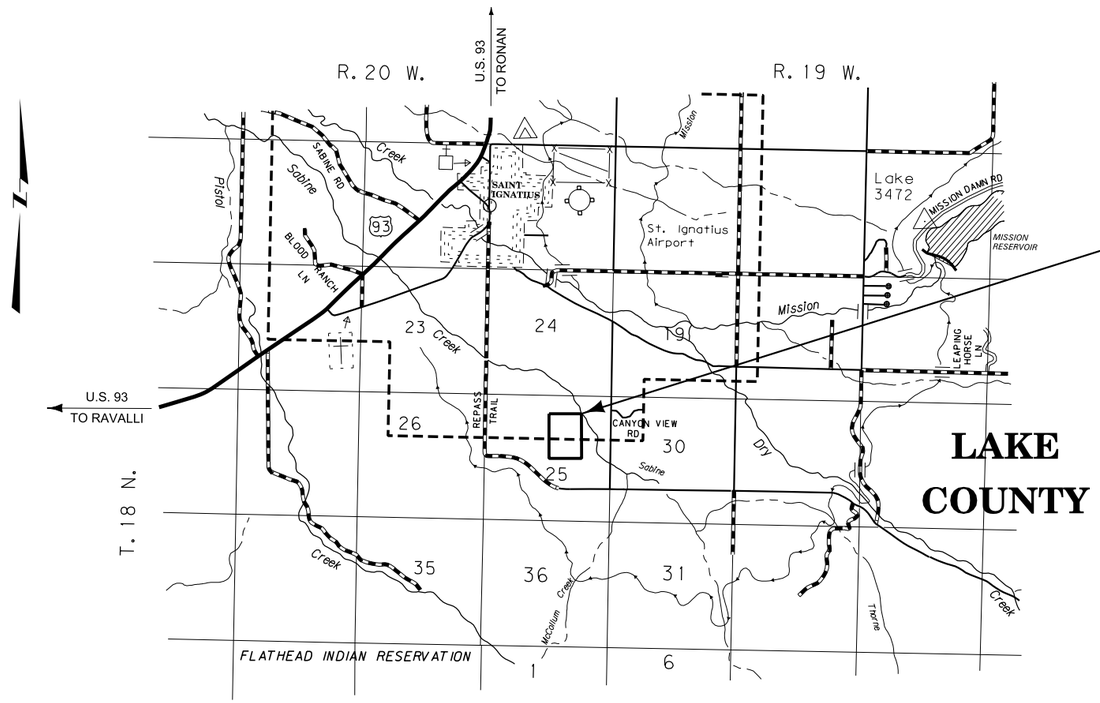
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT STPX 24(56)
AQUATIC RESOURCES MITIGATION
WS 3 - JOHNSON WETLAND MITIGATION
LAKE COUNTY





THIS CONTRACT
AQUATIC RESOURCES MITIGATION
STPX 24(56)

DOWL

PLANS PREPARED BY

DOWL
1300 CEDAR STREET
HELENA, MONTANA 59601
(406)442-0370

DOWL

APPROVED BY:

MONTANA
CODY WAYNE SALO
16385 PE
PROFESSIONAL ENGINEER
LICENSED

DocuSigned by:
Cody Salo
DBA20FEF43C54B6...
8/15/2024
DATE

MONTANA
DEPARTMENT OF TRANSPORTATION

RECIEVED BY: CONSULTANT DESIGN ENGINEER

DocuSigned by:
Kelly Williams
EF7F5DDAB5A7471...
8/15/2024
DATE

ASSOCIATED PROJECT AGREEMENT NUMBERS	
R / W & I.C.	
P. E.	STPX 24(55)

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDTTLZ01.dgn				WETLAND PLANS	
2		4/2/2024					
1		1:12:43 PM jmelson				UPN 8583000	

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NOTES

UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICE BEFORE EXCAVATING. ALL CLEARANCES OR DEPTHS PROVIDED FOR UTILITIES ARE FROM EXISTING GROUND LINE.

WETLANDS

WETLANDS EXIST ADJACENT TO THE PROJECT AND DO EXIST BEYOND THE PROJECT LIMITS. WETLAND AREAS AND PERMANENT WETLAND RELOCATION AREAS WITHIN THE PROJECT LIMITS HAVE BEEN DELINEATED AND ARE SHOWN ON THE PLANS.

TEMPORARY DISTURBANCE AREAS ARE PROVIDED FOR CONSTRUCTION ACCESS AND EXCAVATION PURPOSES. TEMPORARY WETLAND IMPACTS SHOWN IN THE WETLAND DISTURBANCE DETAIL ARE PERMITTED. ADDITIONAL DISTURBANCE ASSOCIATED WITH CONTRACTOR OPERATIONS ARE TO BE PERMITTED BY CONTRACTOR.



DELINEATED WETLAND AREAS

MONITORING WELLS

MONITORING WELLS LOCATED IN PROPOSED WETLAND CELL EXCAVATION AREAS ARE TO BE ABANDONED AND REPLACED. MONITORING WELLS LOCATED OUTSIDE OF EXCAVATION AREAS ARE TO BE LEFT IN PLACE. SEE EXISTING SITE PLAN FOR WELL LOCATIONS. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

BREACH DITCH

BREACH EXISTING DITCHES TO ALLOW FOR OVERLAND FLOW AS SHOWN IN THE PLANS. INCLUDE THE COST OF THE WORK IN UNCLASSIFIED EXCAVATION.

CONSTRUCTION ACCESS

PROJECT SITE ACCESS IS LIMITED TO THE PROPOSED APPROACH ON THE SOUTHWEST CORNER OF THE PROPERTY. SEE THE SPECIAL PROVISIONS FOR CONSTRUCTION ACCESS REQUIREMENTS. CONTACT CSKT TRIBAL LANDS DEPARTMENT AT (406) 275-2730 FOR ACCESS TO THE NE PROPERTY CORNER.
LEASE NUMBER 4763 AND 4796.

SOILS INFORMATION

SOIL BORING INFORMATION IS INCLUDED WITH THE SPECIAL PROVISIONS FOR THIS PROJECT.

SURVEY DATA

DTM FILES OF THE FINISHED GRADE SURFACE MODEL ARE AVAILABLE UPON REQUEST. CONTACT THE MDT PROJECT MANAGER.

DO NOT DISTURB

DO NOT DISTURB EXISTING WETLANDS, EXISTING IRRIGATION SUPPLY DITCHES AND MONITORING WELLS UNLESS NOTED OTHERWISE.

HIGH GROUNDWATER ELEVATIONS

HIGH GROUNDWATER ELEVATIONS SHOWN ON THE PLANS ARE BASED ON MONITORING WELL DATA AND ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR INTERPRETING THE GROUNDWATER DATA AND DETERMINING THE PROBABLE GROUNDWATER ELEVATION FOR THE TIME PERIOD OF CONSTRUCTION. (SEE SPECIAL PROVISIONS)

TRIBAL COORDINATION

THE PROJECT SITE IS LOCATED ON THE CONFEDERATED SALISH & KOOTENAI TRIBES (CSKT) INDIAN RESERVATION. SEE THE SPECIAL PROVISIONS FOR TRIBAL COORDINATION REQUIREMENTS.

PUBLIC LAND SURVEY MONUMENTS

ALL MONUMENTS TO BE REMOVED AND RELOCATED OR RESET BY STATE FORCES.

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CONTROL DIAGRAM

SCALE - 1" : 400'

CONTROL ABSTRACT				
POINT NAME/NUMBER	N OR Y COORDINATE	E OR X COORDINATE	POINT ELEVATION	LOCATION AND DESCRIPTION
6018584	1,141,775.028	830,341.392	3131.20	A #5 X 30 in. rebar with 2 in. MDT control cap marked Montana D.O.T. 6018584 2014 Horiz. Control Pt.
6028583	1,141,750.251	831,653.274	3086.31	A #5 X 30 in. rebar with 2 in. MDT control cap marked Montana D.O.T 6028583 2014 Horiz. Control Pt.
6038583	1,142,952.878	831,083.537	3052.13	A #5 X 30 in. rebar with 2 in. MDT control cap marked Montana D.O.T. 6038583 2014 Horiz. Control Pt.
6048583	1,143,775.309	830,534.721	3046.51	A #5 X 30 in. rebar with 2 in. MDT control cap marked Montana D.O.T. 6048583 2014 Horiz. Control Pt.
6058583	1,143,696.377	831,786.513	3025.53	A #5 X 30 in. rebar with 2 in. MDT control cap marked Montana D.O.T. 6058583 2014 Horiz. Control Pt.

NOTE:
THIS PROJECT IS ON THE MONTANA COORDINATE SYSTEM NAD83-2011.
NORTHING AND EASTING COORDINATES ARE EXPRESSED IN UNITS OF
INTERNATIONAL FEET AND ELEVATIONS ARE IN UNITS OF U.S. SURVEY FEET.

DIMENSIONS SHOWN ON THE PLANS ARE GRID. ALL SURVEY AND STAKING REQUIRE
THE USE OF A COMBINATION SCALE FACTOR (CSF) TO CONVERT GRID DIMENSIONS
TO GROUND DIMENSIONS (GRID DISTANCE / CSF = GROUND DISTANCE).
THE CSF FOR THIS PROJECT IS 0.99926068.

BEARING SOURCE

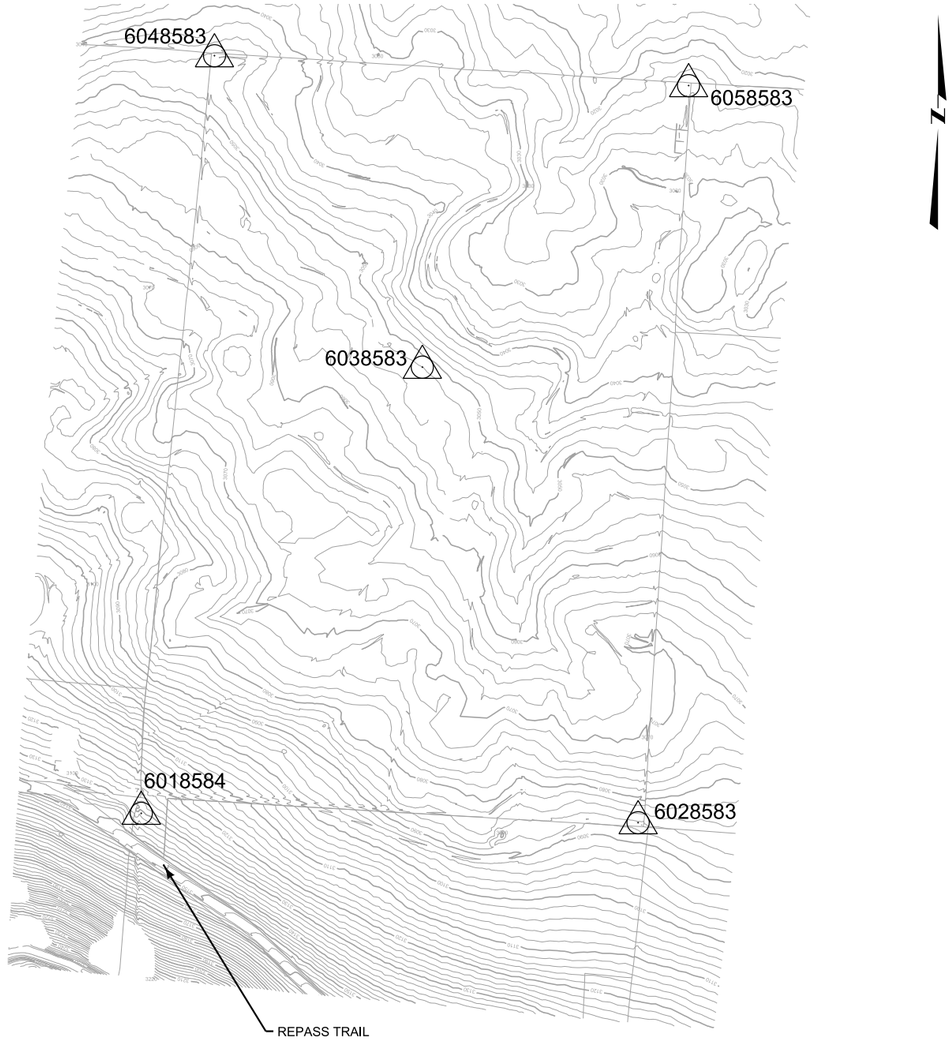
THIS PROJECT WAS SURVEYED UTILIZING THE GLOBAL POSITIONING SYSTEM (GPS).
ALL COORDINATES ARE ENGLISH STATE PLANE NAD 83–2011.

LEVEL DATUM SOURCE

THIS PROJECT WAS SURVEYED UTILIZING THE GLOBAL POSITIONING SYSTEM (GPS).
LEVEL DATUM SOURCE IS NAVD 88

COMBINATION SCALE FACTOR

ALL SURVEY AND STAKING WILL REQUIRE THE
USE OF A COMBINATION SCALE FACTOR (CSF) 0.99926068.
ALL DIMENSIONS ON THE PLANS ARE GRID DIMENSIONS
AND MUST BE DIVIDED BY THE CSF TO ARRIVE
AT GROUND DIMENSIONS.



DOWL

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDTRVZ01.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024							
1		1:12:46 PM jrnelson				LAKE COUNTY		UPN 8583000	SHEET 3

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SUMMARY

GRADING					
STATION	cubic yards				REMARKS
	UNCL. EXC.	UNCL. BORROW	EXCESS EXC.	EMB.+	
	12,258			118	WETLAND CELL A
	495			1,750	WETLAND CELL B
	403			285	WETLAND CELL C
	147			4	WETLAND CELL D
	2,316			12	WETLAND CELL E
	2,066			46	WETLAND CELL F
	1,005			157	WETLAND CELL G
	271			50	WETLAND CELL H
	684			0	WETLAND CELL I
	1,091			70	WETLAND CELL J
	244			4	WETLAND CELL K
	463			7	WETLAND CELL L
	330			0	WETLAND CELL M
	0			134	WETLAND CELL N
	3			67	WETLAND CELL O
	0	972			APPROACH
	912			1,140	EXISTING DITCH REMOVAL
	83			556	CONVEYANCE IRRIGATION DITCH
				7,475	TOPSOIL REPLACEMENT
TOTAL	22,771	972	# 10,896	# 11,875	

FOR INFORMATION ONLY

REVEGETATION									
STATION		cubic yards		square yards	square feet	acres		unit	REMARKS
		TOPSOIL - SALVAGE & PLACE	ANCILLARY ARMOR CLS. I	COIR EROSION CONTROL NET	WIRE MESH STAB.	WETLAND SEEDING		NOXIOUS WEED CONTROL	
FROM	TO					WETLAND	UPLAND		
								1,000	
		7,475							WETLAND AND EXISTING DITCH REMOVAL AREAS
						10.2			NEW WETLAND AREAS
							7.5		UPLAND BUFFER AREAS
			63	351	13,650				VEGETATED SPILLWAYS
			1						IRRIGATION DIVISION BOX
			1						IRRIGATION STRUCTURE
TOTAL		7,475	65	351	13,650	10.2	7.5	1,000	

MISCELLANEOUS ITEMS				
STATION		lump sum	each	REMARKS
FROM	TO			
			3	ABANDON WELL*
		1		REMOVE DEBRIS*

* SEE SPECIAL PROVISIONS

SURFACING										
STATION		linear feet				FOR	tons	square yards	AGGREGATE cubic yards	REMARKS
		GROSS	NET	+	-		HYDRATED LIME	SEPARATION GEOTEXTILE - HIGH	CRUSHED AGGREGATE COURSE	
FROM	TO									
								450	145	APPROACH
TOTAL								450	145	

IRRIGATION STRUCTURES							
STATION		linear feet	linear feet	each		lump sum	REMARKS
		REMOVE PIPE CULVERT	PIPE- CORR. POLYETHYLENE 18 IN	IRRIGATION DIVISION BOX	BREACH DITCH*	IRRIGATION STRUCTURE	
FROM	TO						
		20					REMOVE EXISTING CULVERT BENEATH APPROACH
			40				NORTH OF APPROACH
				1		1	CONVEYANCE IRRIGATION DITCH
					17		BREACH IRRIGATION DITCH (SEE SHEET 11)
TOTAL		20	40	1	~	1	

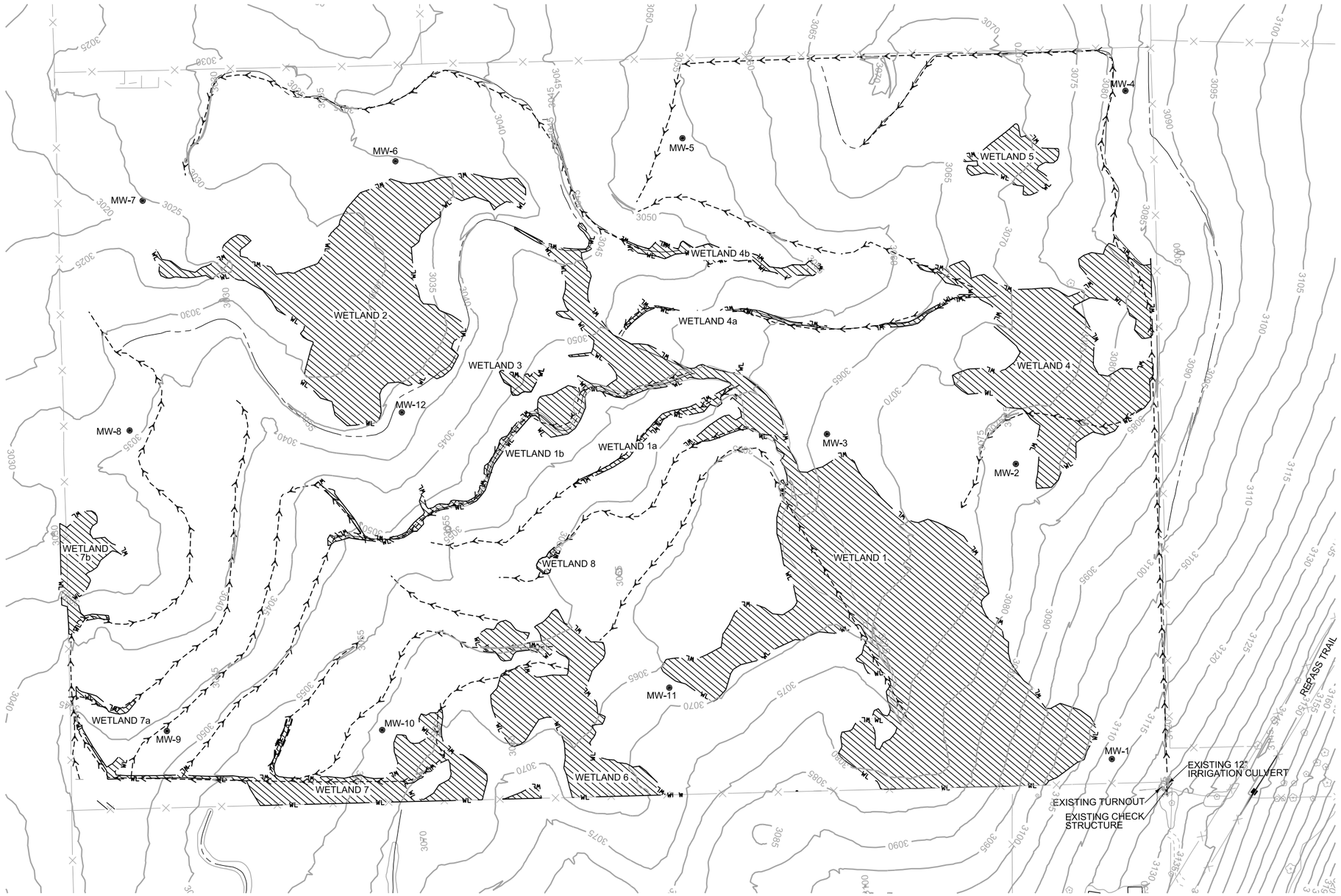
* INCLUDE IN UNCLASSIFIED EXCAVATION

FENCING								
STATION		linear feet			each			REMARKS
		REMOVE FENCE	FARM GATE	WILDLIFE FRIENDLY FW - TYPE 1	FENCE PED. PASS	PANEL SINGLE WILDLIFE	PANEL DOUBLE WILDLIFE	
FROM	TO		TYPE G3					
			16.0	4,700		15	7	SITE PERIMETER
					1			SEE DETAIL
			16.0					SITE ACCESS GATE
		260						SEE FENCING DETAIL
TOTAL		260	32.0	4,700	1	15	7	

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LEGEND

- SPREADER DITCH
- DELINEATED WETLAND AREAS
- EXISTING MONITORING WELL
- EXISTING FENCE
- EXISTING POWER LINE
- EXISTING CULVERT

NOTE:

NO SITE FEATURES ARE ELIGIBLE FOR LISTING ON THE NATIONAL REGISTER OF HISTORIC PLACES.

DETAIL

EXISTING SITE PLAN

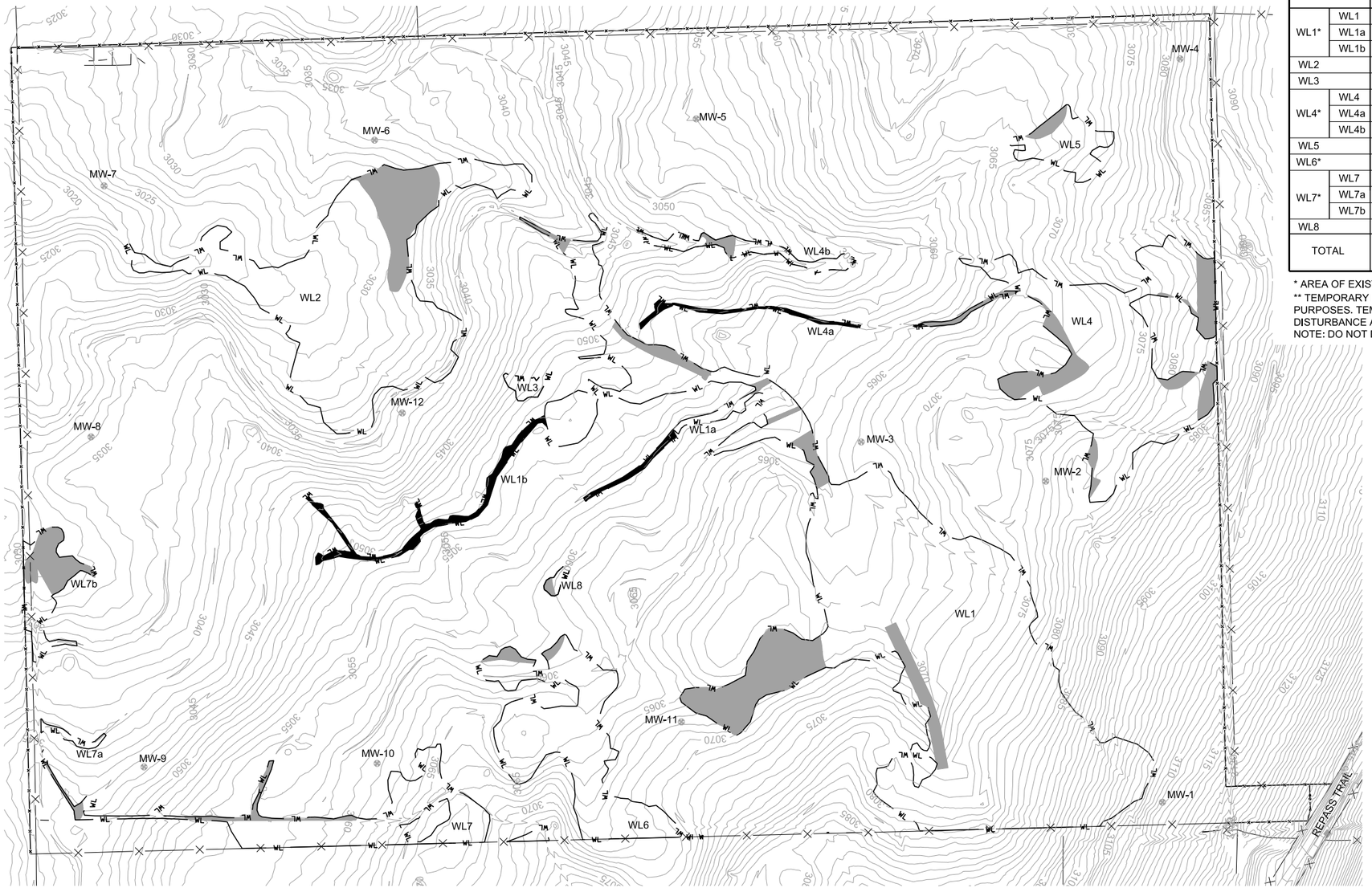
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3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDDETZ03.dgn			WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION		STPX 24(56)
2		4/2/2024						
1		1:12:50 PM jmelson			LAKE COUNTY		UPN 8583000	SHEET 5

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DOWDELL



WETLAND DELINEATION TABLE

WETLAND DESIGNATION		WETLAND AREA (ACRES) DELINEATED AREA	** TEMPORARY DISTURBANCE AREA	PERMANENT WETLAND RELOCATION	REMARKS
WL1*	WL1	5.40	0.24		CONSTRUCTION ACCESS AND EXCAVATION
	WL1a	0.03		0.03	DITCH REMOVAL (SEE DETAIL)
	WL1b	0.14		0.14	DITCH REMOVAL (SEE DETAIL)
WL2		2.31	0.30		CONSTRUCTION ACCESS AND EXCAVATION
WL3		0.04			
WL4*	WL4	1.74	0.35		CONSTRUCTION ACCESS AND EXCAVATION
	WL4a	0.06	0.02	0.04	WL4 DITCH REMOVAL IMPACT
	WL4b	0.15	0.02		CONSTRUCTION ACCESS AND EXCAVATION
WL5		0.25	0.03		CONSTRUCTION ACCESS AND EXCAVATION
WL6*		0.98	0.03		CONSTRUCTION ACCESS AND EXCAVATION
WL7*	WL7	0.69	0.01		CONSTRUCTION ACCESS AND EXCAVATION
	WL7a	0.02			CONSTRUCTION ACCESS AND EXCAVATION
	WL7b	0.26	0.13		CONSTRUCTION ACCESS AND EXCAVATION
WL8		0.02	0.01		CONSTRUCTION ACCESS AND EXCAVATION
TOTAL		12.09	1.14	0.21	

* AREA OF EXISTING WETLAND EXTENDS BEYOND PLAN LIMITS
** TEMPORARY DISTURBANCE AREAS ARE PROVIDED FOR CONSTRUCTION ACCESS AND EXCAVATION PURPOSES. TEMPORARY WETLAND DISTURBANCE SHOWN IN THE TABLE ARE PERMITTED. ADDITIONAL DISTURBANCE ASSOCIATED WITH CONTRACTOR OPERATIONS ARE TO BE PERMITTED BY CONTRACTOR. NOTE: DO NOT DISTURB WETLANDS 1, 4, AND 6 BEYOND THE DISTURBANCE SHOWN ON THIS DETAIL.

LEGEND

- DITCH DISTURBANCE LIMITS
- PERMANENT WETLAND RELOCATION
- TEMPORARY DISTURBANCE
- MW-4 — MONITORING WELL/ GEOTECHNICAL BORING
- WL / WL1 — DELINEATED WETLAND

DETAIL

WETLAND DISTURBANCE

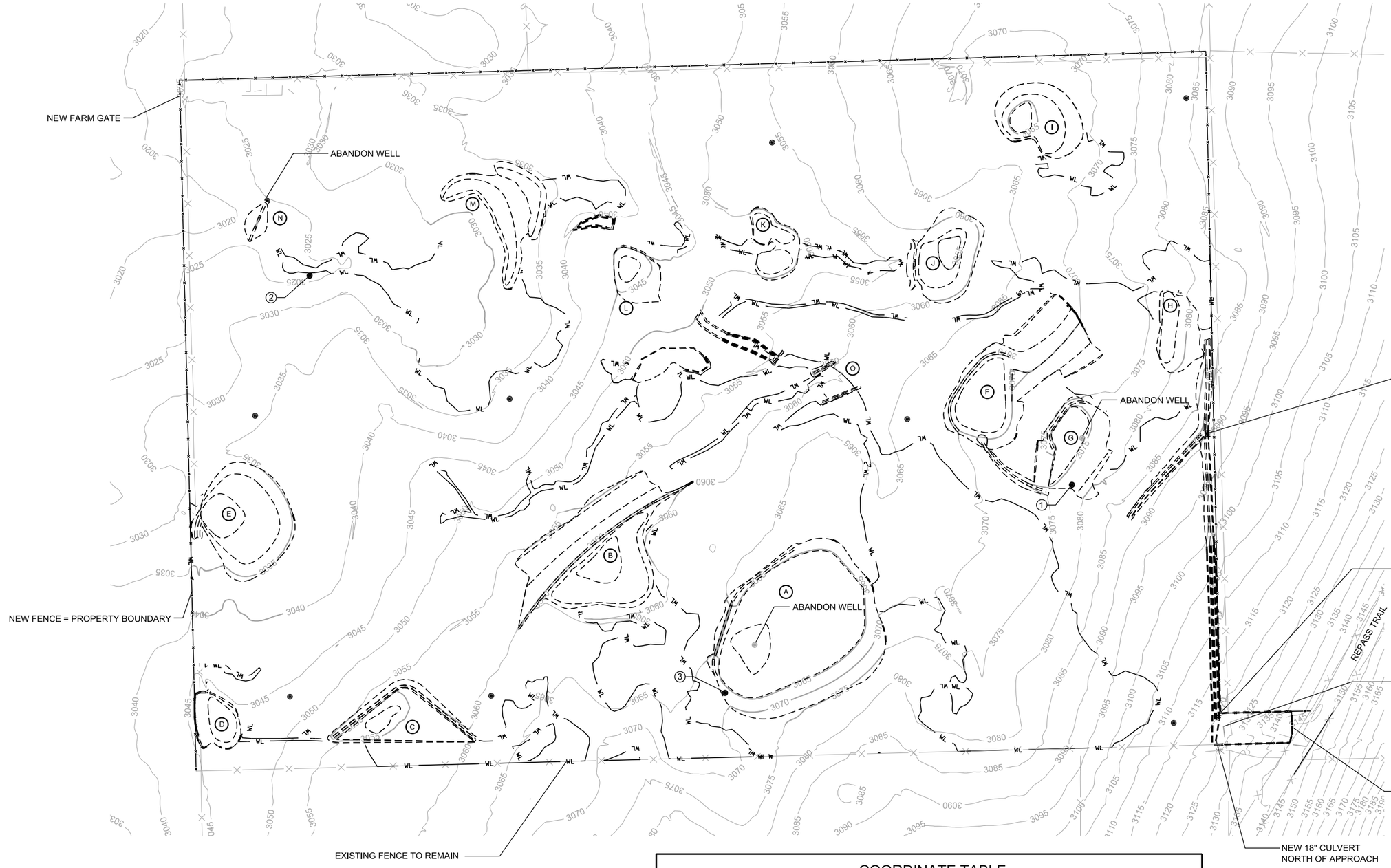
NOT TO SCALE

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2		4/2/2024						
1		1:12:52 PM jmelson				LAKE COUNTY	UPN 8583000	SHEET 6

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LEGEND

- VEGETATED SPILLWAY
- IRRIGATION DIVISION BOX
- MONITORING WELL/ GEOTECHNICAL BORING
- (A) WETLAND CELL ID
- NEW WILDLIFE FRIENDLY FENCE
- WL EXISTING WETLAND

QUANTITIES

ABANDON WELL	3 EA

NOTE: SEE ABANDON EXISTING MONITOR WELLS SPECIAL PROVISION. NEW WELL LOCATIONS TO BE MARKED IN THE FIELD BY MDT.

COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION*	DESCRIPTION
1	1142074.51	830873.43	3077.50	NEW MW-2 LOCATION
2	1143497.00	831400.00	3024.00	NEW MW-7 LOCATION
3	1142772.29	830533.33	3068.00	NEW MW-11 LOCATION

*ELEVATIONS ARE TO THE TOP OF WELL HEAD (FLUSH WITH FINISHED GRADE).

DETAIL

PROPOSED SITE PLAN

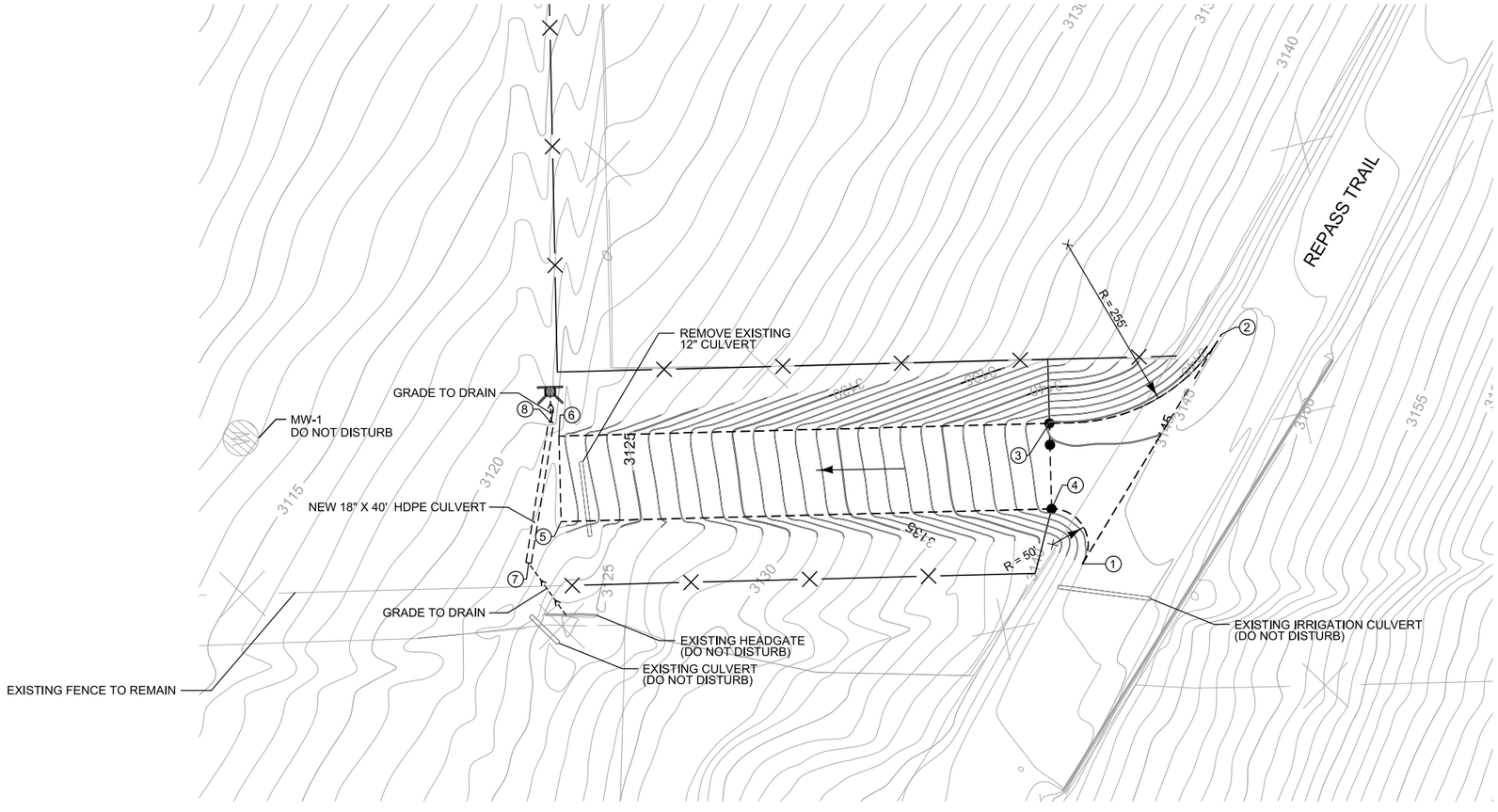
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2		4/2/2024							
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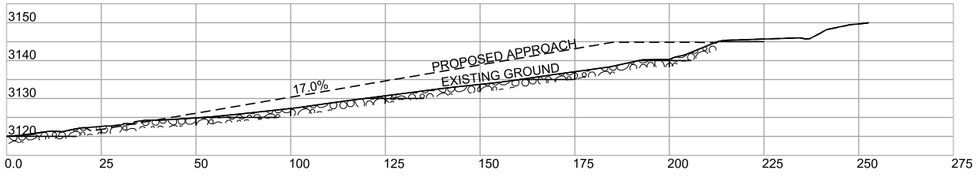
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COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1141687.29	830345.39	3143.98	APPROACH
2	1141643.01	830406.07	3145.05	APPROACH
3	1141687.56	830345.25	3145.09	NEW GATE
4	1141694.81	830361.41	3144.61	NEW GATE
5	1141832.23	830369.82	3121.21	APPROACH
6	1141830.76	830393.77	3121.69	APPROACH
7	1141842.35	830359.05	3122.00	NEW CULVERT INVERT
8	1141832.61	830397.85	3120.00	NEW CULVERT INVERT

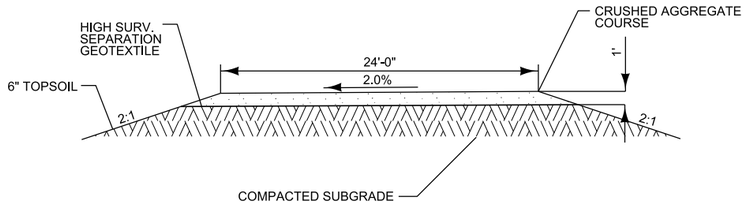
QUANTITIES	
UNCLASSIFIED BORROW	972 CUYD
CRUSHED AGGREGATE COURSE	145 CUYD
SEPARATION GEOTEXTILE - HIGH	450 SQYD
REMOVE PIPE CULVERT	20 LNFT
PIPE-CORR POLYETHYLENE 18 IN	40 LNFT



PLAN



PROFILE



APPROACH TYPICAL SECTION

DETAIL

APPROACH

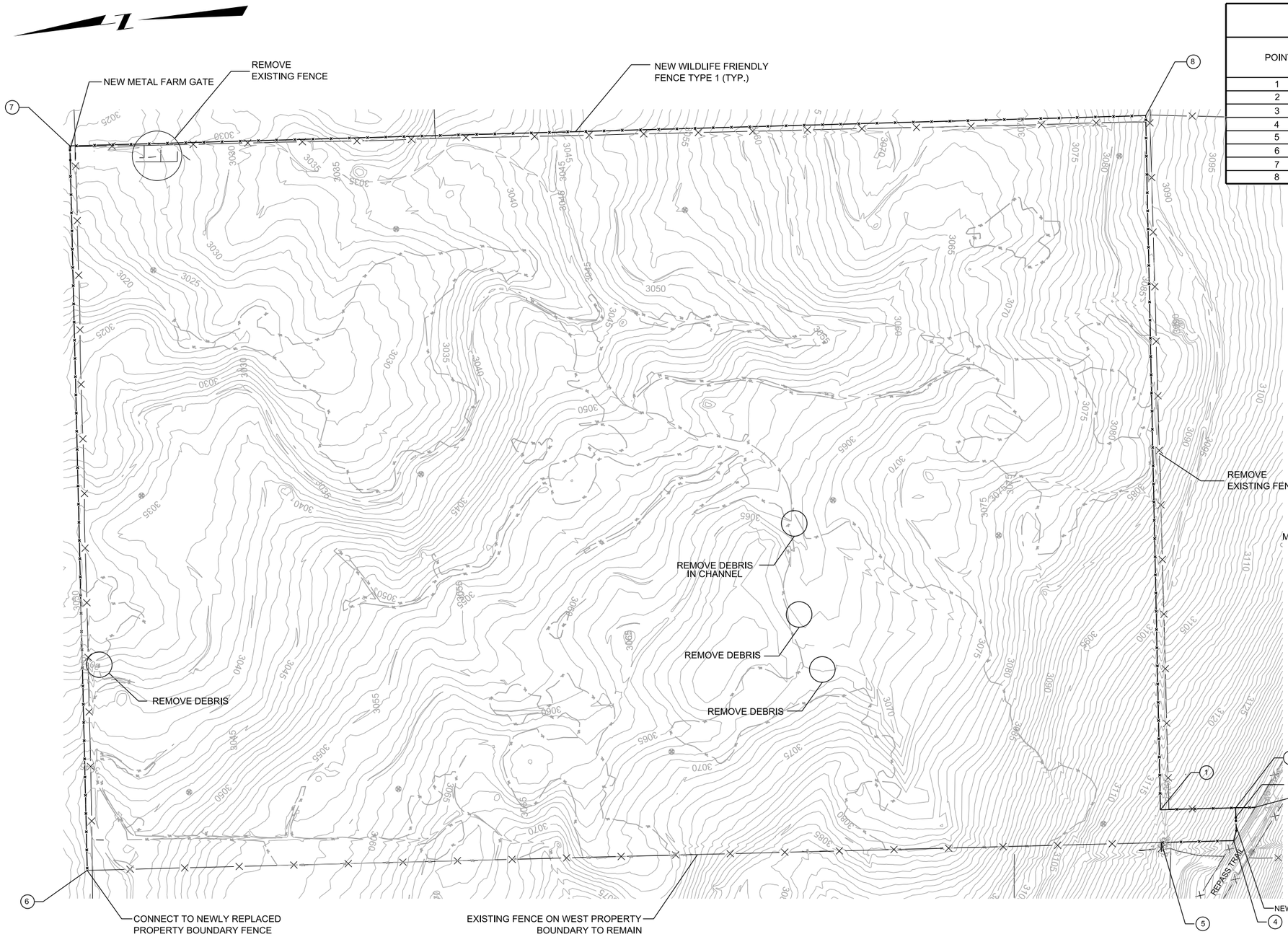
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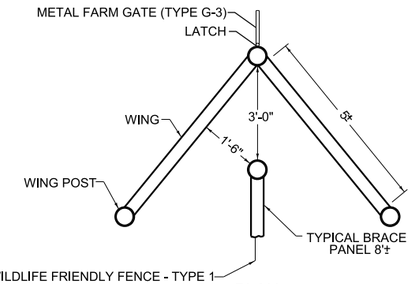
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2		4/2/2024							
1		1:12:57 PM jmelson				LAKE COUNTY		UPN 8583000	SHEET 8

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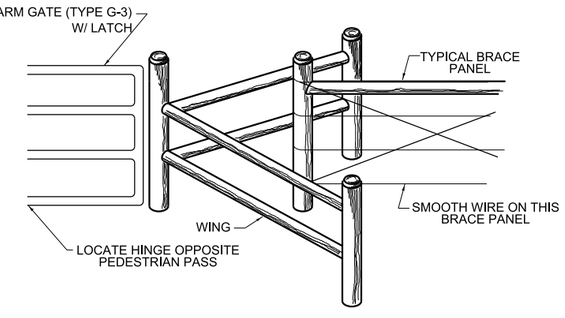
DOWL

COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1141829.67	830411.71	3119.55	FENCE
2	1141692.25	830403.30	3136.10	FENCE
3	1141656.14	830401.09	3142.53	FENCE
4	1141700.96	830343.78	3140.11	FENCE
5	1141833.33	830351.88	3125.27	FENCE
6	1143796.61	830472.01	3044.25	FENCE
7	1143713.05	831795.64	3025.04	FENCE
8	1141746.21	831679.80	3085.71	FENCE





PLAN



PERSPECTIVE

PEDESTRIAN PASS

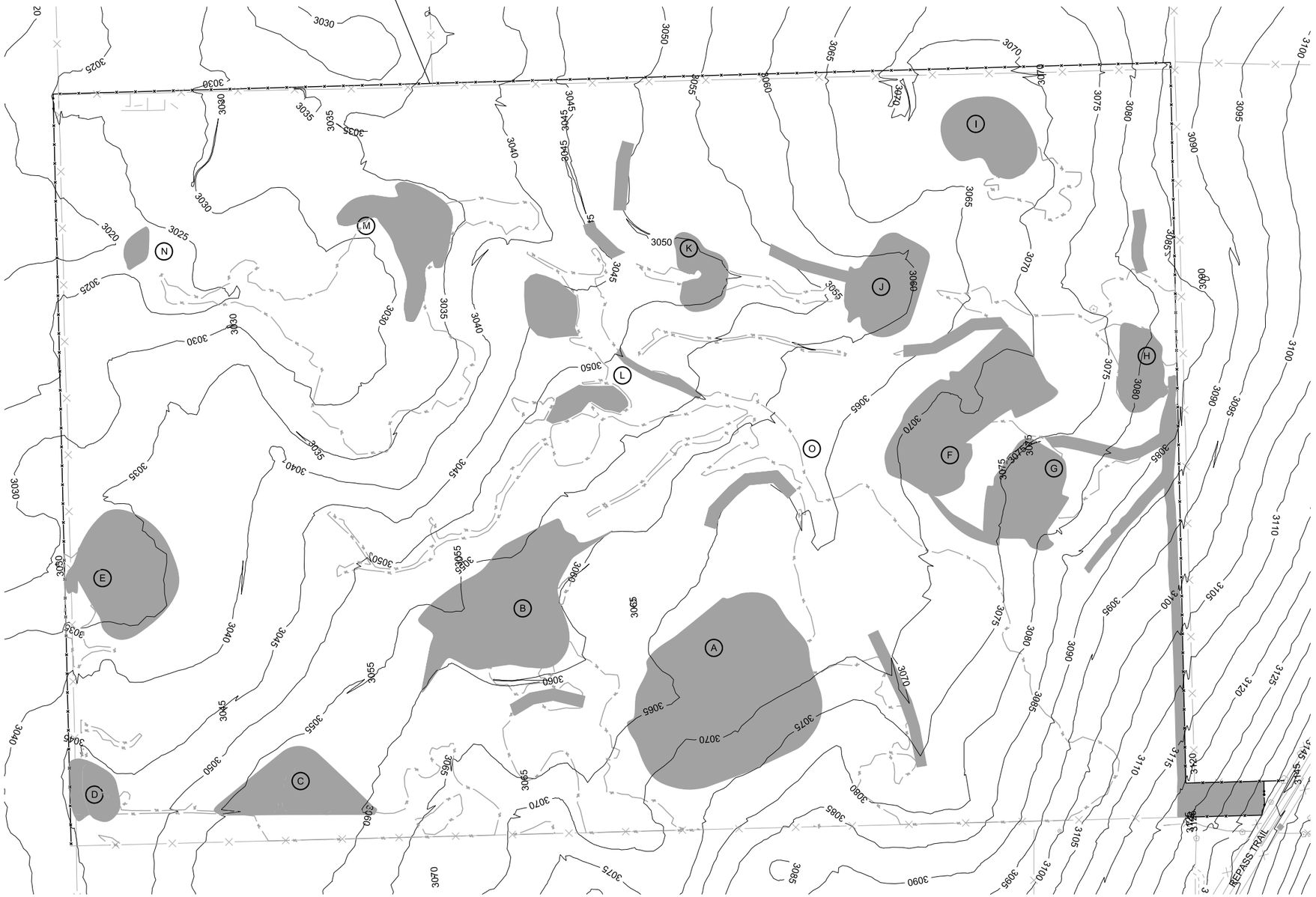
QUANTITIES	
FENCE - PEDESTRIAN PASS	1 EA
METAL FARM GATE (TYPE G-3)	32 LF
REMOVE DEBRIS	1.0 LS
FENCE - WILDLIFE FRIENDLY FW - TYPE 1	4,700 LF
FENCE - PANEL/SINGLE - WILDLIFE	15 EA
FENCE - PANEL/DOUBLE - WILDLIFE	7 EA
REMOVE FENCE	4,960 LF

NOTE: SEE SPECIAL PROVISIONS FOR REMOVE DEBRIS INFORMATION.

NOTE:
REMOVE ALL NON-VEGETATIVE DEBRIS WITHIN THE SITE IN ADDITION TO THE LOCATIONS NOTED ON THIS DETAIL. SEE SPECIAL PROVISIONS.

DETAIL
FENCING
NO SCALE

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QUANTITIES	
TOPSOIL - SALVAGE AND PLACE	7,475 CUYD

NOTE: SALVAGE TO A DEPTH OF 6 INCHES.

LEGEND	
	TOPSOIL SALVAGE AREA
(X)	WETLAND CELL ID

DETAIL

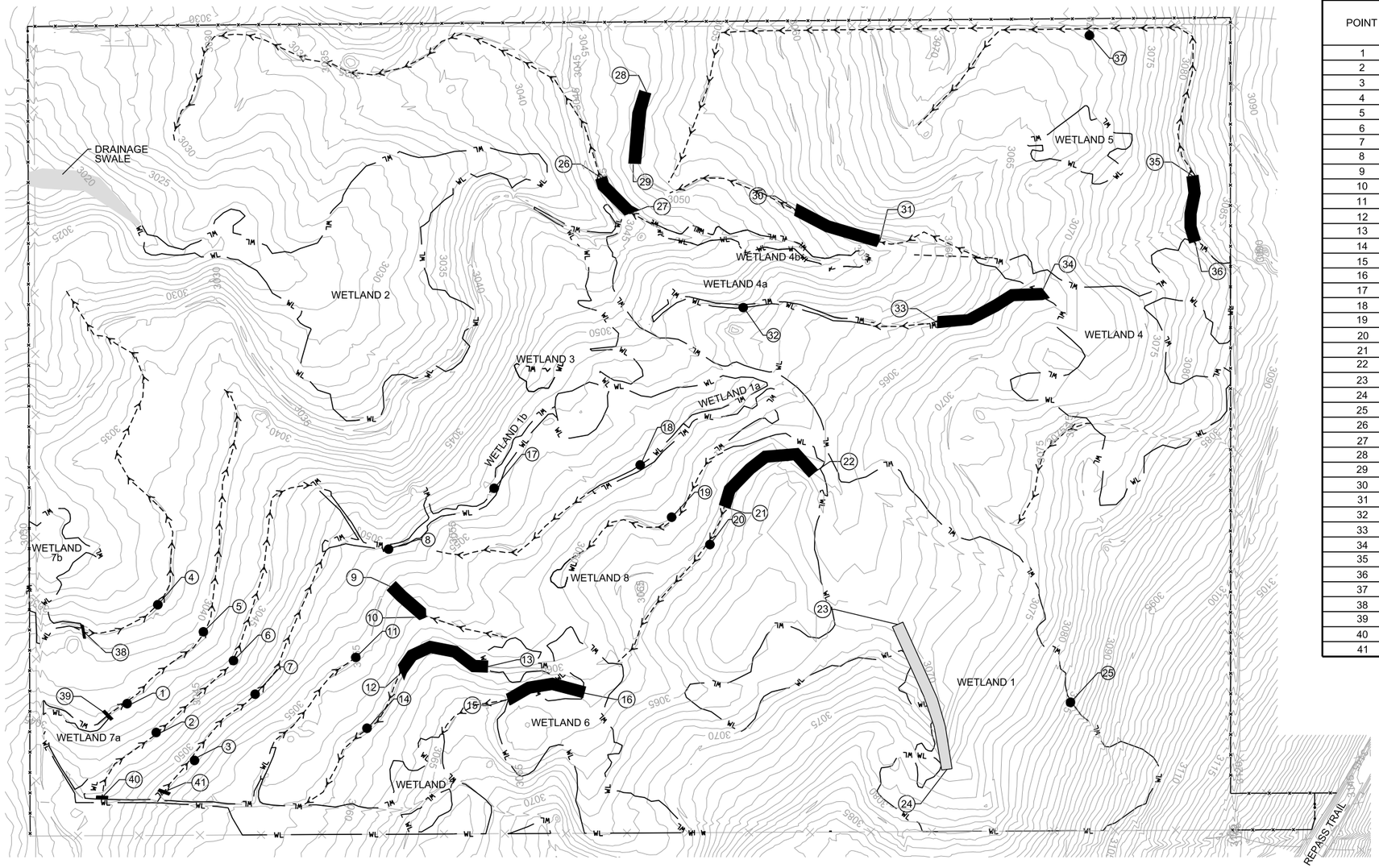
TOPSOIL SALVAGE

NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDDETZ02.dgn				WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024				LAKE COUNTY	UPN 8583000	SHEET 10
1		1:13:02 PM jmelson						

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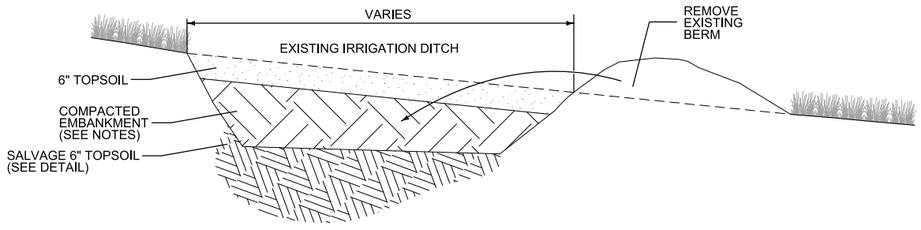
COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1143625.47	830680.82	3041.67	DITCH BREACH
2	1143581.25	830626.90	3045.41	DITCH BREACH
3	1143523.12	830582.68	3051.40	DITCH BREACH
4	1143565.76	830836.76	3037.15	DITCH BREACH
5	1143491.21	830784.02	3040.72	DITCH BREACH
6	1143446.75	830733.80	3044.51	DITCH BREACH
7	1143413.70	830679.55	3050.40	DITCH BREACH
8	1143182.98	830904.51	3050.99	DITCH BREACH
9	1143178.97	830841.75	3054.24	
10	1143125.91	830787.16	3057.48	
11	1143246.86	830729.59	3054.88	DITCH BREACH
12	1143172.90	830698.58	3059.29	
13	1143029.83	830699.43	3060.00	
14	1143234.19	830608.17	3058.64	DITCH BREACH
15	1143001.39	830643.61	3062.84	
16	1142874.91	830645.62	3061.75	
17	1143002.88	830989.87	3052.07	DITCH BREACH
18	1142759.87	831010.29	3057.60	DITCH BREACH
19	1142710.94	830923.27	3061.07	DITCH BREACH
20	1142658.69	830875.04	3063.86	DITCH BREACH
21	1142625.74	830934.82	3064.02	
22	1142476.91	830979.39	3064.03	
23	1142355.72	830723.81	3068.96	
24	1142290.81	830481.82	3077.18	
25	1142081.70	830577.95	3084.83	DITCH BREACH
26	1142792.22	831486.20	3045.31	
27	1142746.73	831425.07	3045.87	
28	1142708.57	831621.34	3048.97	
29	1142738.33	831504.68	3049.29	
30	1142478.07	831413.17	3054.13	
31	1142343.21	831352.94	3056.83	
32	1142568.67	831263.06	3055.37	DITCH BREACH
33	1142258.68	831213.63	3063.58	
34	1142077.45	831249.74	3068.22	
35	1141825.37	831425.57	3081.62	
36	1141828.17	831316.96	3081.32	
37	1141976.61	831676.16	3070.29	DITCH BREACH
38	1143687.42	830800.52	3038.52	6 LNFT DITCH BLOCK
39	1143656.73	830661.18	3042.18	6 LNFT DITCH BLOCK
40	1143674.94	830527.30	3047.83	6 LNFT DITCH BLOCK
41	1143572.88	830529.54	3052.03	6 LNFT DITCH BLOCK

QUANTITIES	
UNCLASSIFIED EXCAVATION*	912 CUYD
EMBANKMENT +	1,140 CUYD

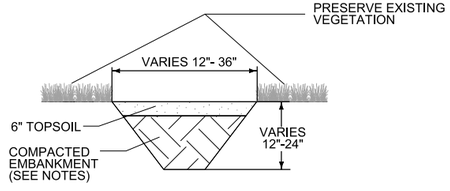
* INCLUDES DITCH BREACH EFFORT

LEGEND

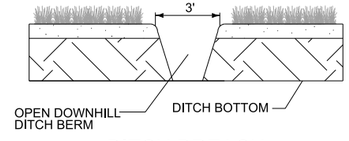
- TYPICAL SECTION A
- TYPICAL SECTION B
- DITCH BREACH
- SPREADER DITCH



TYPICAL SECTION A



TYPICAL SECTION B



DITCH BREACH

NOTES:
1. REVEGETATE WITH UPLAND OR WETLAND SEED MIX BASED ON AREAS SHOWN ON THE REVEGETATION DETAIL SHEET.
2. COMPACT EMBANKMENT TO FIRM, STABLE, AND SMOOTH CONDITION.

DETAIL

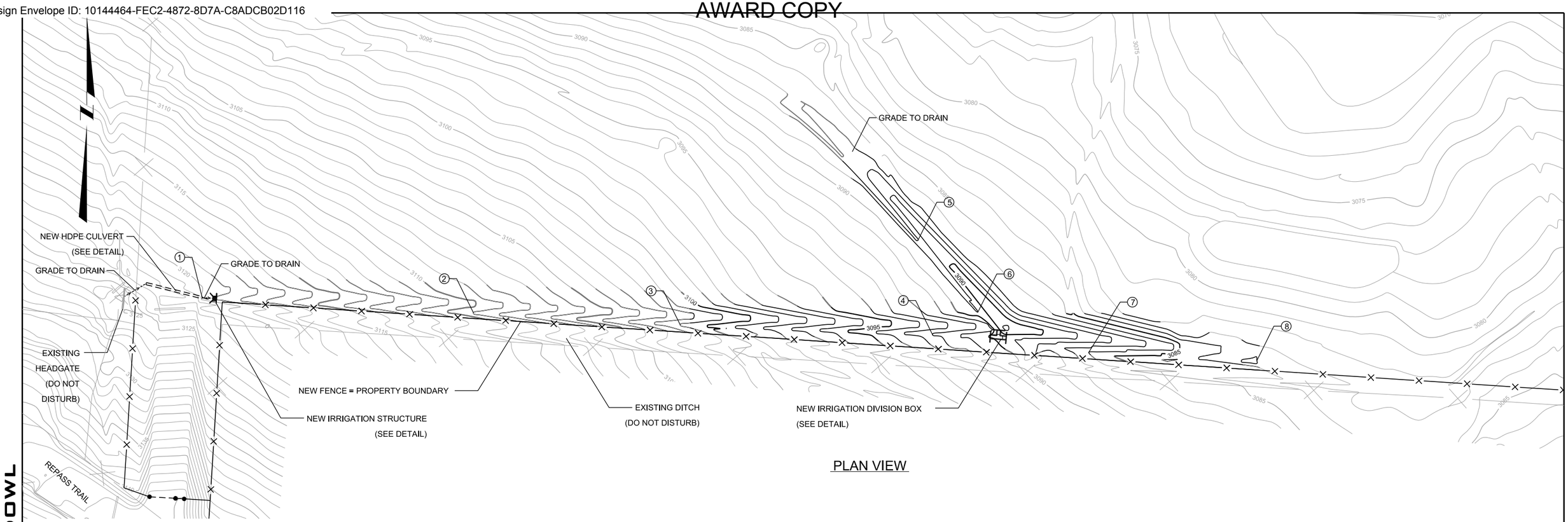
EXISTING DITCH REMOVAL

NO SCALE

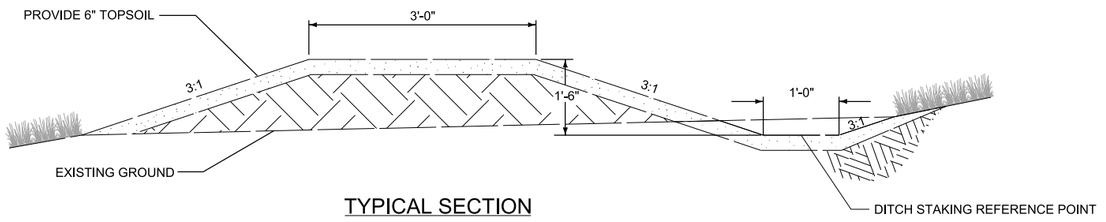
3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDDETZ01.dgn				WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024				LAKE COUNTY	UPN 8583000	SHEET 11
1		1:13:05 PM jmelson						

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

AWARD COPY



PLAN VIEW



TYPICAL SECTION

COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1141832.61	830397.85	3120.00	CULVERT INVERT
2	1141821.87	830585.51	3109.00	BOTTOM OF DITCH
3	1141813.84	830728.59	3101.00	BOTTOM OF DITCH
4	1141807.05	830903.11	3092.00	BOTTOM OF DITCH
5	1141872.14	830892.84	3088.00	BOTTOM OF DITCH
6	1141822.58	830934.46	3088.96	BOTTOM OF DITCH
7	1141794.81	831011.19	3086.00	BOTTOM OF DITCH
8	1141789.58	831127.43	3082.87	BOTTOM OF DITCH

QUANTITIES	
UNCLASSIFIED EXCAVATION	83 CUYD
EMBANKMENT +	556 CUYD

DETAIL

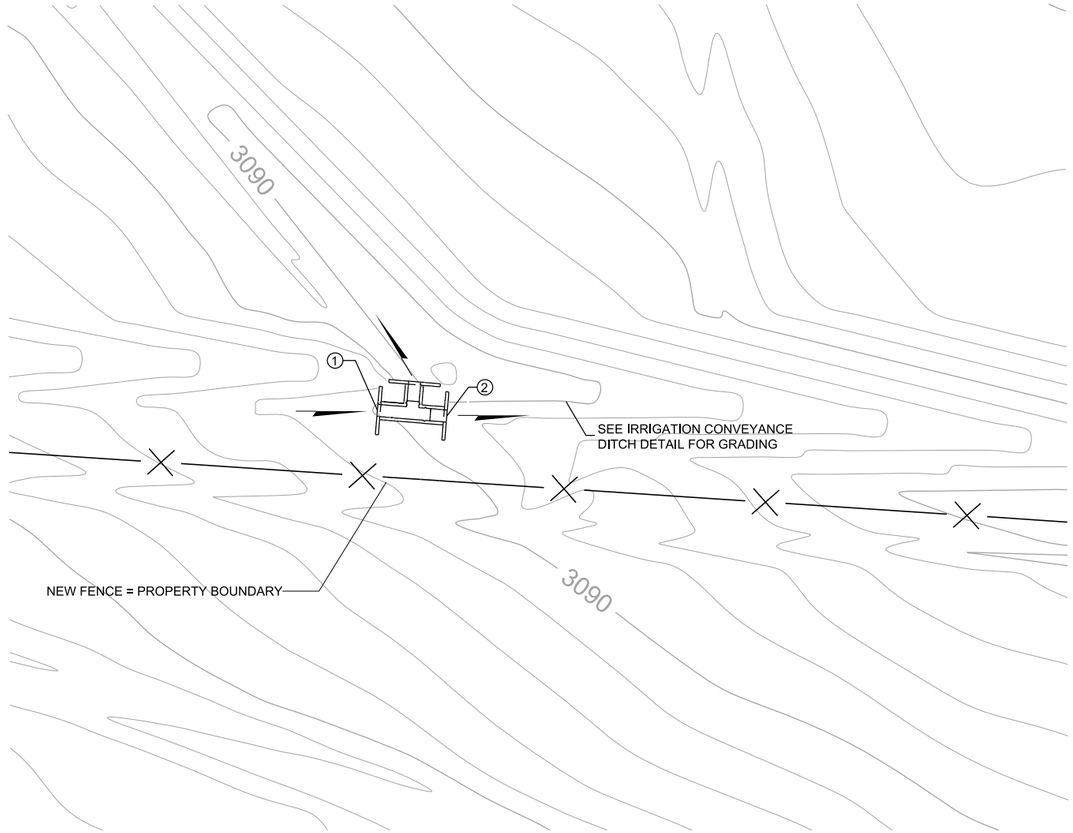
CONVEYANCE IRRIGATION DITCH

NO SCALE

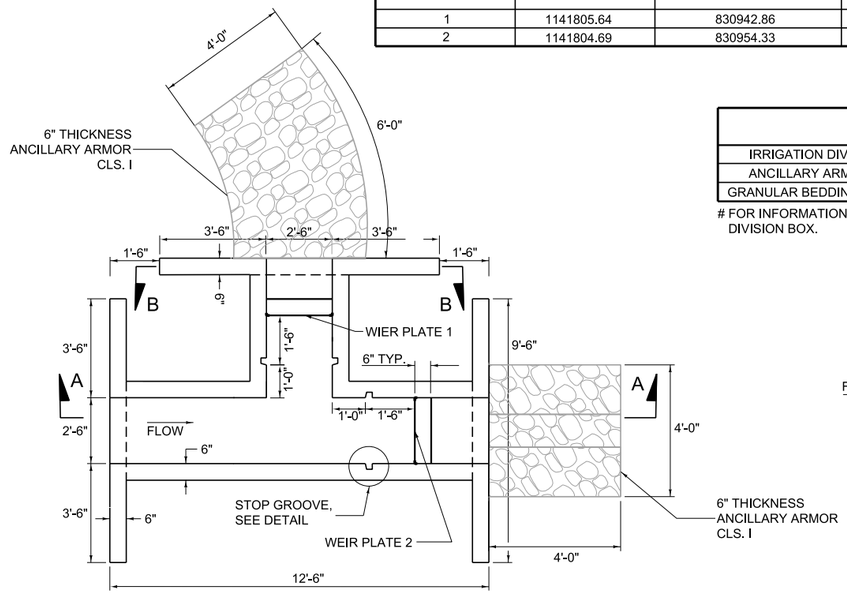
3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDDETZ01.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024							
1		1:13:07 PM jmelson				LAKE COUNTY		UPN 8583000	SHEET 12

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

DOWL



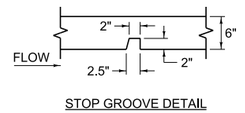
COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1141805.64	830942.86	3089.97	IRRIGATION DIVERSION BOX
2	1141804.69	830954.33	3089.43	IRRIGATION DIVERSION BOX



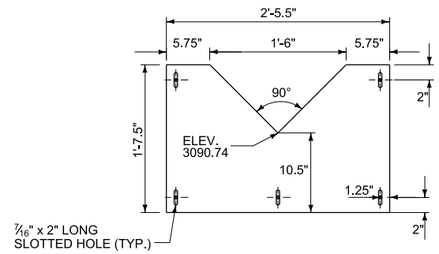
PLAN

QUANTITIES	
IRRIGATION DIVISION BOX	1 EA
ANCILLARY ARMOR - CLS. I	1 CUYD
GRANULAR BEDDING MATERIAL #	3 CUYD

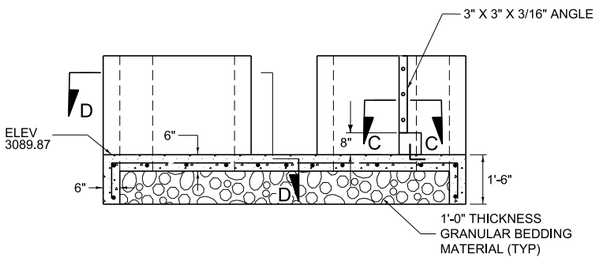
FOR INFORMATION ONLY. INCIDENTAL TO COST OF IRRIGATION DIVISION BOX.



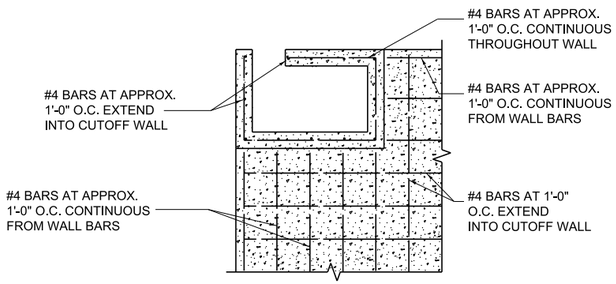
STOP GROOVE DETAIL



WEIR PLATE DETAIL 1

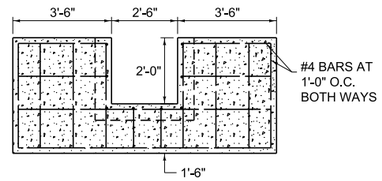


SECTION A-A

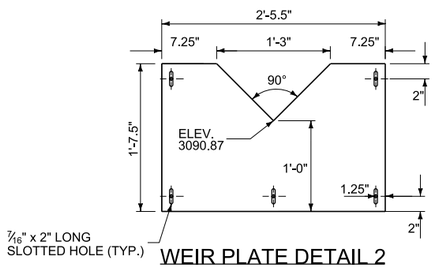


SECTION D-D

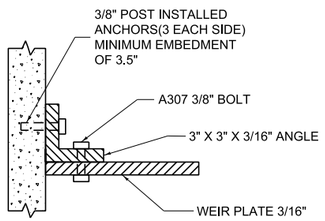
NOTES:
1. ATTACH ANGLE TO CONCRETE WALL USING 3/8"POST-INSTALLED ANCHORS (3 EACH SIDE).
2. MOUNT THE BACK OF THE WEIR PLATE FLUSH AGAINST BOTH THE CONCRETE SILL IN THE BOTTOM OF THE STRUCTURE AND THE ANGLE ALONG EACH SIDE. ATTACH WEIR PLATE TO ANGLE USING 3/8"TYPE A307 BOLTS, AND TO THE CONCRETE USING 3/8" POST-INSTALLED ANCHORS.
3. APPLY A SINGLE BEAD OF COMMERCIAL GRADE SILICON CAULK BETWEEN BOTH THE WEIR PLATE AND ANGLE IRON AND BETWEEN THE WEIR PLATE AND CONCRETE SILL TO PROVIDE A WATER-TIGHT SEAL.
4. THE WIER PLATES, STOP GUIDES, AND OTHER STEEL IS INCIDENTAL TO THE IRRIGATION DIVISION BOX PAY ITEM.
5. PROVIDE ALUMINUM OR PLASTIC STOP LOGS.
6. MEET ALL BUY AMERICA REQUIREMENTS.



SECTION B-B



WEIR PLATE DETAIL 2



SECTION C-C

DETAIL

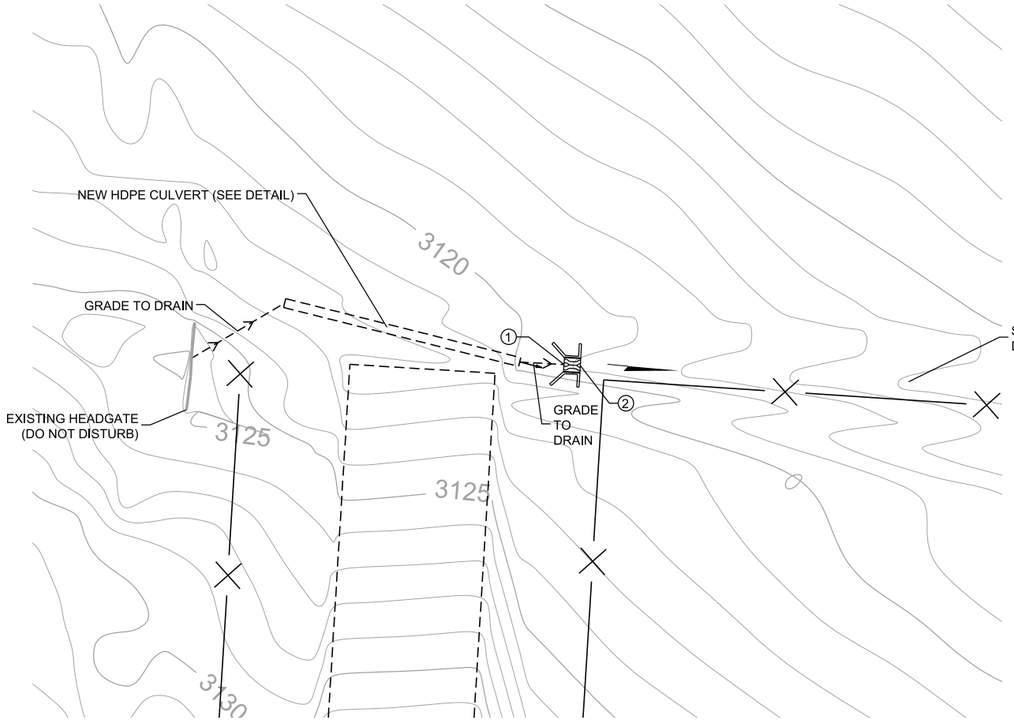
IRRIGATION DIVISION BOX

NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDDETZ01.dgn				WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024						
1		1:13:09 PM jrnelson				LAKE COUNTY	UPN 8583000	SHEET 13

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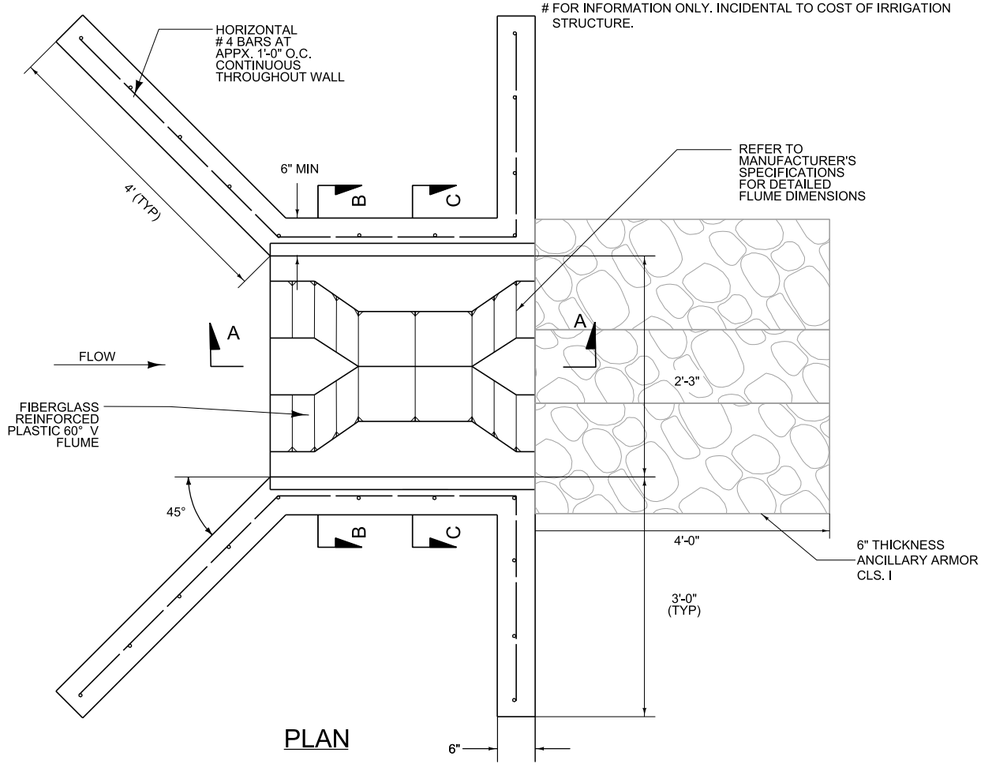
DOWL



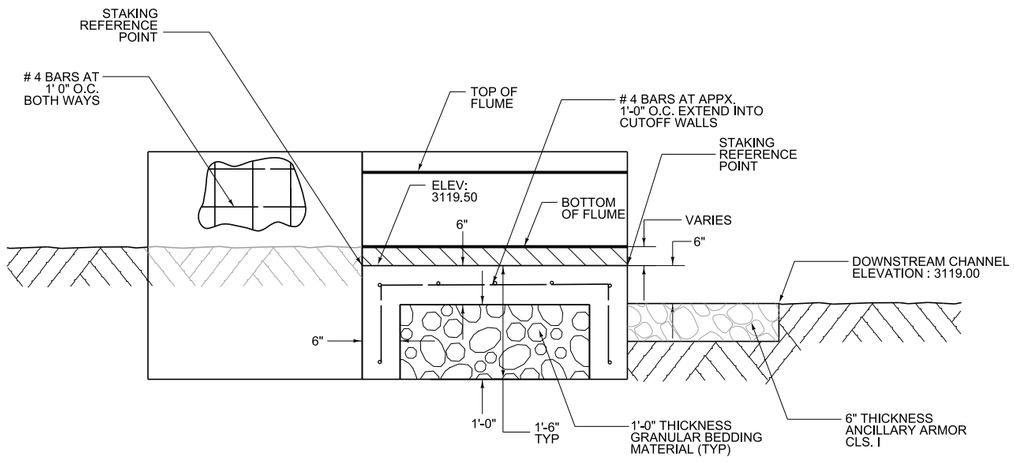
COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1141832.20	830405.15	3119.50	IRRIGATION STRUCTURE
2	1141832.05	830407.85	3119.50	IRRIGATION STRUCTURE

QUANTITIES	
IRRIGATION STRUCTURE	1 LS
ANCILLARY ARMOR - CLS. I	1 CUYD
GRANULAR BEDDING MATERIAL #	1 CUYD

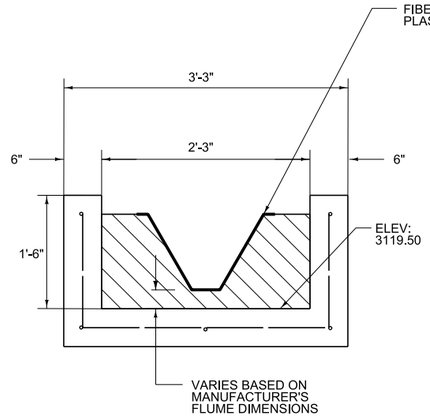
FOR INFORMATION ONLY. INCIDENTAL TO COST OF IRRIGATION STRUCTURE.



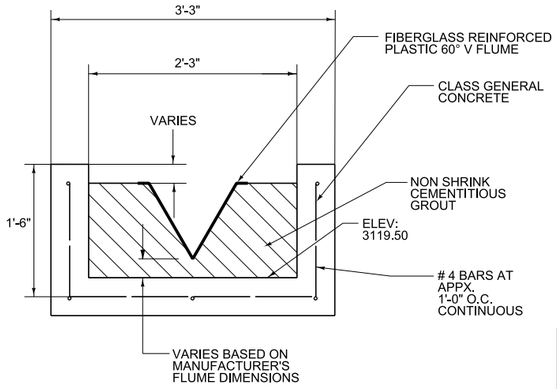
PLAN



SECTION A-A



SECTION B-B



SECTION C-C

DETAIL

IRRIGATION STRUCTURE

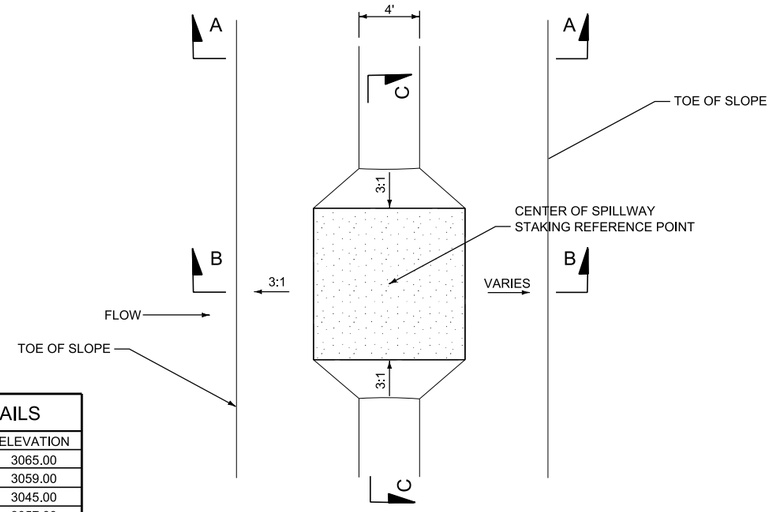
NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDDETZ03.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024							
1		1:13:12 PM jrnelson				LAKE COUNTY		UPN 8583000	SHEET 14

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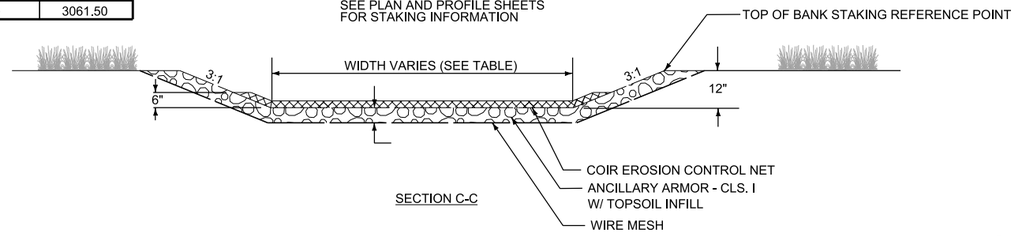
DOWL

SECTION C-C DETAILS		
LOCATION	WIDTH (FT)	ELEVATION
CELL A	100	3065.00
CELL B	10	3059.00
CELL D	10	3045.00
CELL J	10	3057.00
CELL N	20	3023.00
CELL O (1)	10	3055.00
CELL O (2)	5	3059.50
CELL O (3)	5	3061.50

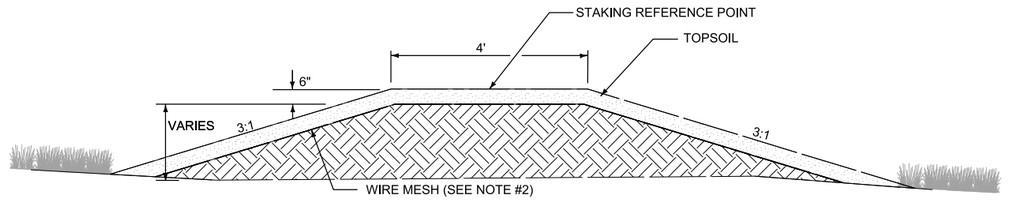


PLAN VIEW

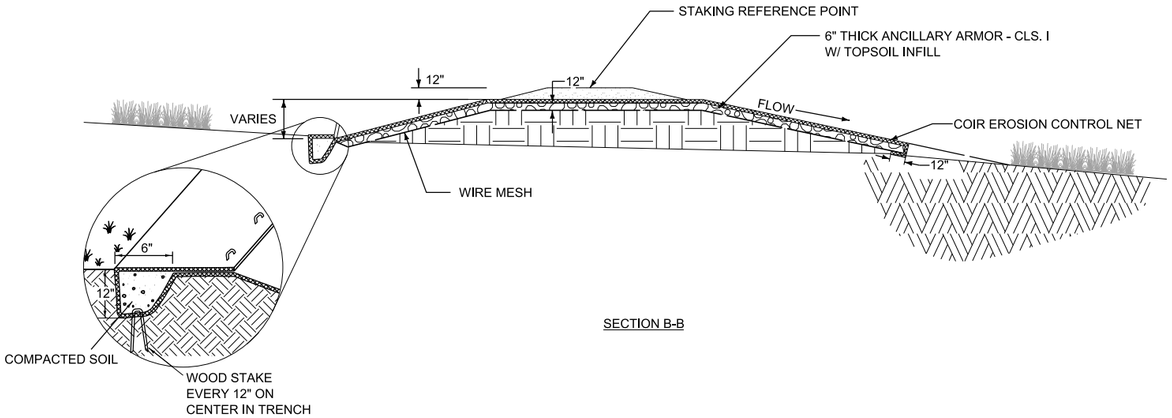
SEE PLAN AND PROFILE SHEETS FOR STAKING INFORMATION



SECTION C-C



SECTION A-A



SECTION B-B

QUANTITIES										
BID ITEM	unit	CELL A	CELL B	CELL D	CELL J	CELL N	CELL O (1)*	CELL O (2)*	CELL O (3)*	TOTAL
ANCILLARY ARMOR - CLS. I	CUYD	18	3	3	3	6	15	9	6	63
COIR EROSION CONTROL NET	SQYD	108	18	18	18	27	81	51	30	351
WIRE MESH	SQFT	3,225	4,125	1,275	1,425	1,200	1,200	750	450	13,650

NOTES:
1. TOPSOIL AND UNCLASSIFIED EXCAVATION ARE INDICATED ON CELL DETAILS.
2. PROVIDE 20 GA. GALVANIZED STEEL WIRE MESH WITH A ONE-INCH OPENING AT THE BERM LOCATIONS AS INDICATED.
*INCLUDE ANCILLARY ARMOR, COIR EROSION CONTROL NET, AND WIRE MESH THE FULL BERM WIDTH.

VEGETATED SPILLWAY

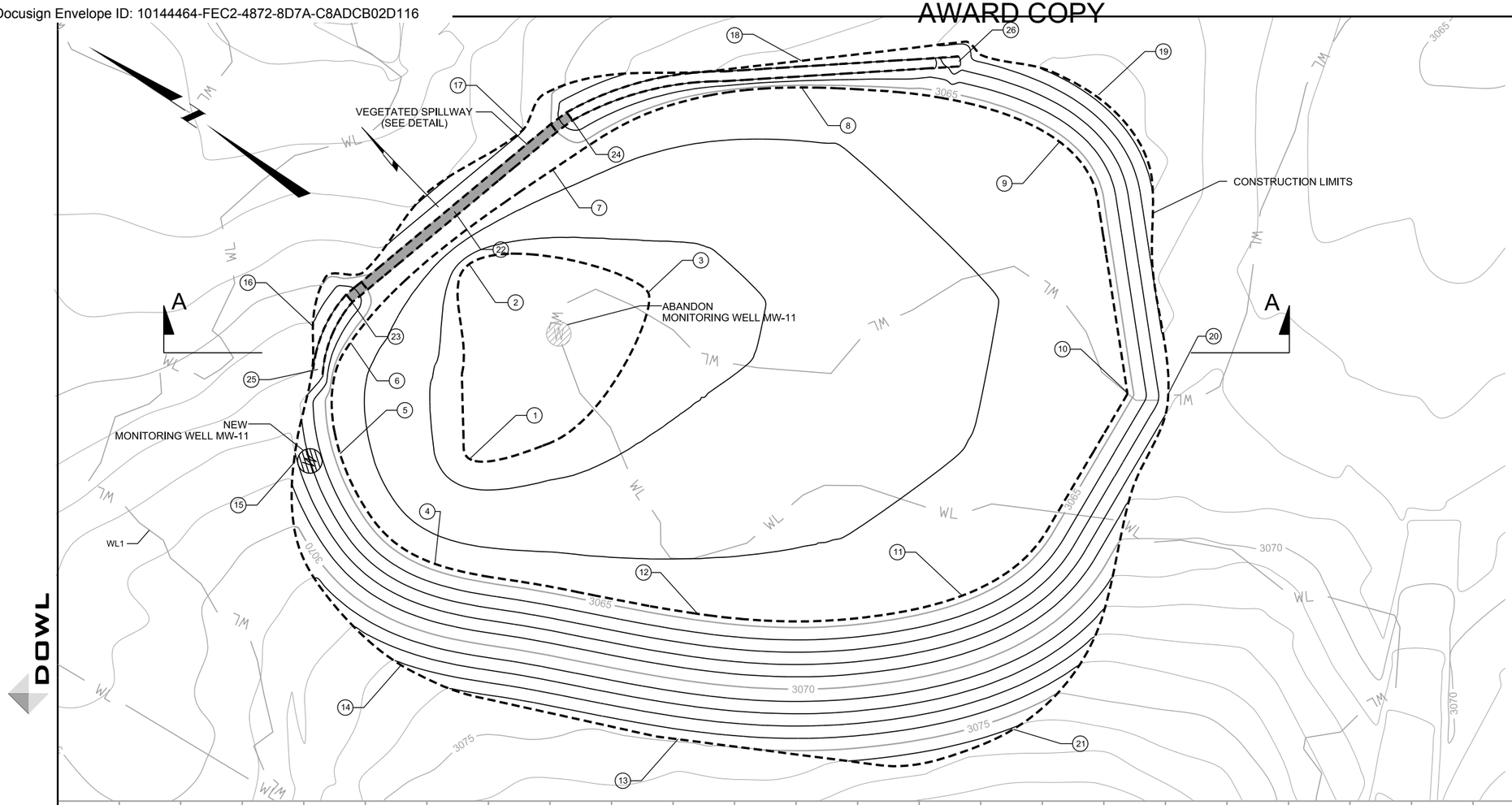
DETAIL

VEGETATED SPILLWAY

NO SCALE

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

AWARD COPY



COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1142715.11	830564.00	3062.50
2	1142751.82	830634.09	3062.50
3	1142681.98	830657.47	3062.50
4	1142707.88	830519.67	3064.50
5	1142762.79	830541.60	3064.50
6	1142779.88	830583.62	3064.50
7	1142739.42	830683.85	3064.50
8	1142665.18	830760.15	3064.50
9	1142561.98	830788.96	3064.50
10	1142490.21	830710.83	3064.50
11	1142511.95	830607.12	3064.50
12	1142603.83	830550.94	3064.50
13	1142587.21	830501.93	3074.85
14	1142700.93	830476.31	3073.18
15	1142777.47	830529.20	3068.73
16	1142796.31	830582.22	3066.14
17	1142757.63	830692.93	3063.98
18	1142669.97	830769.53	3067.40
19	1142556.79	830812.12	3069.24
20	1142475.27	830717.98	3067.76
21	1142468.16	830568.37	3076.13
22	1142767.05	830650.37	3065.00
23	1142788.20	830599.21	3066.99
24	1142743.33	830706.25	3067.00
25	1142786.58	830567.79	3067.00
26	1142613.36	830799.02	3067.00

QUANTITIES	
UNCLASSIFIED EXCAVATION	12,258 CUYD
EMBANKMENT +	118 CUYD
ABANDON WELL	1 EA

NOTE:

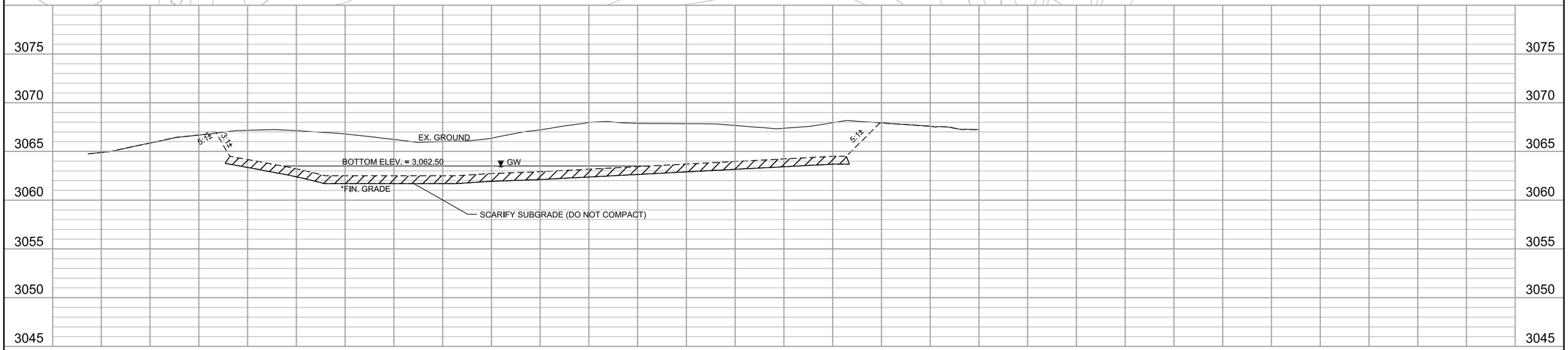
*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

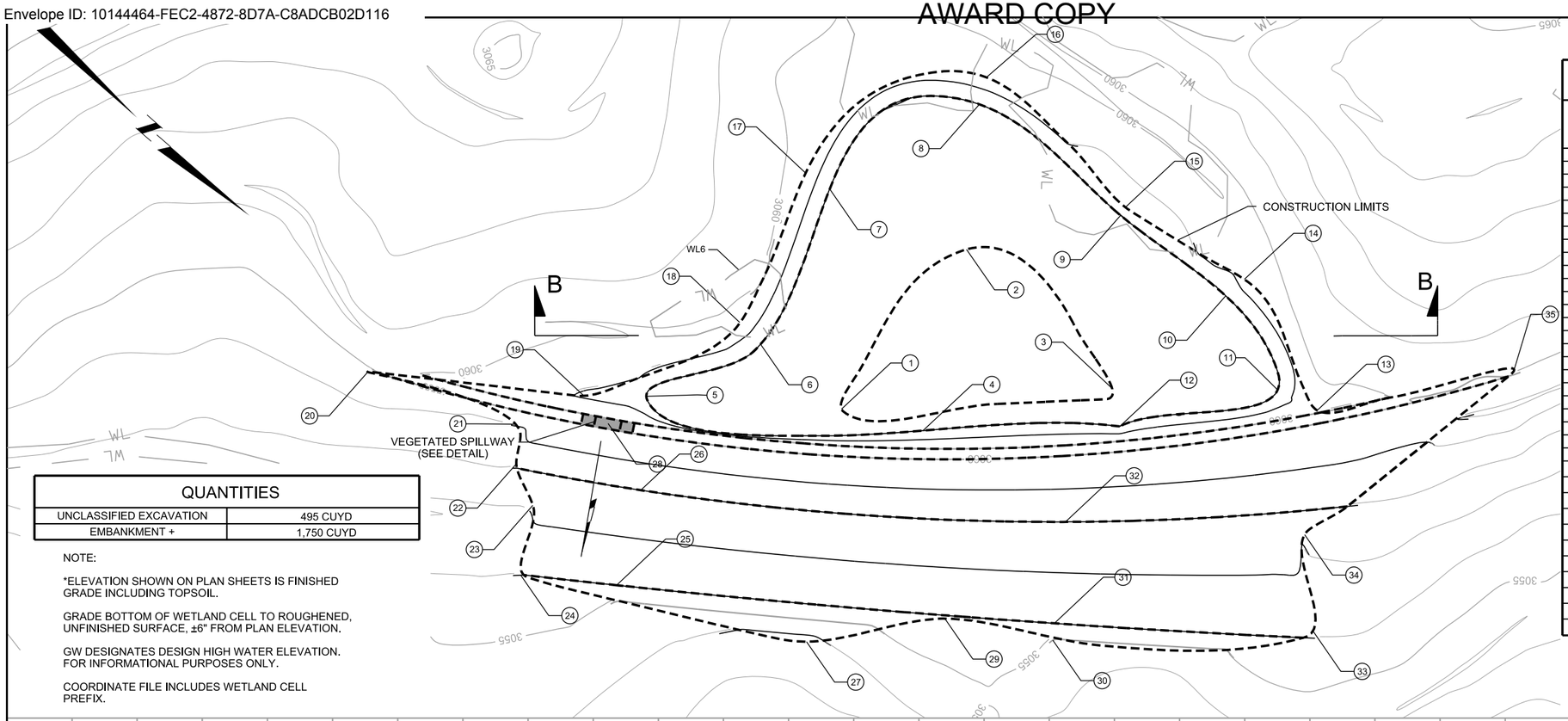
WETLAND CELL A



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ01.dgn				WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024						
1		1:13:19 PM jmelson				LAKE COUNTY	UPN 8583000	SHEET 16

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

AWARD COPY



COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1142954.26	830850.01	3057.50
2	1142955.61	830777.56	3057.50
3	1143035.66	830785.86	3057.50
4	1142969.61	830844.94	3058.00
5	1142890.15	830887.26	3058.00
6	1142914.84	830847.44	3058.00
7	1142902.99	830782.56	3058.00
8	1142922.62	830726.76	3058.00
9	1142997.25	830727.09	3058.00
10	1143052.78	830729.77	3058.00
11	1143087.27	830746.90	3058.00
12	1143045.85	830793.69	3058.00
13	1143106.21	830744.93	3060.00
14	1143051.10	830719.45	3059.13
15	1142997.45	830723.27	3058.58
16	1142919.66	830715.91	3059.54
17	1142891.03	830781.50	3059.50
18	1142903.65	830847.01	3059.75
19	1142872.44	830901.19	3058.91
20	1142797.63	830942.28	3059.88
21	1142857.36	830926.88	3059.03
22	1142865.95	830940.23	3058.00
23	1142865.67	830940.20	3057.00
24	1142891.74	830971.90	3056.00
25	1142925.55	830953.31	3056.00
26	1142907.91	830920.49	3058.00
27	1142993.75	830931.05	3053.73
28	1142883.78	830906.21	3059.00
29	1143037.58	830889.83	3055.84
30	1143072.96	830874.40	3055.00
31	1143070.46	830869.16	3056.00
32	1143053.73	830832.84	3058.00
33	1143151.49	830816.25	3056.07
34	1143127.61	830787.21	3057.12
35	1143156.74	830688.86	3060.13

QUANTITIES	
UNCLASSIFIED EXCAVATION	495 CUYD
EMBANKMENT +	1,750 CUYD

NOTE:

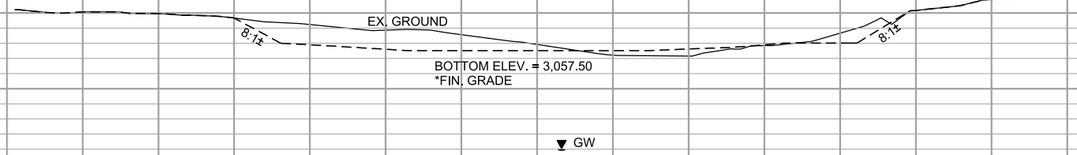
*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

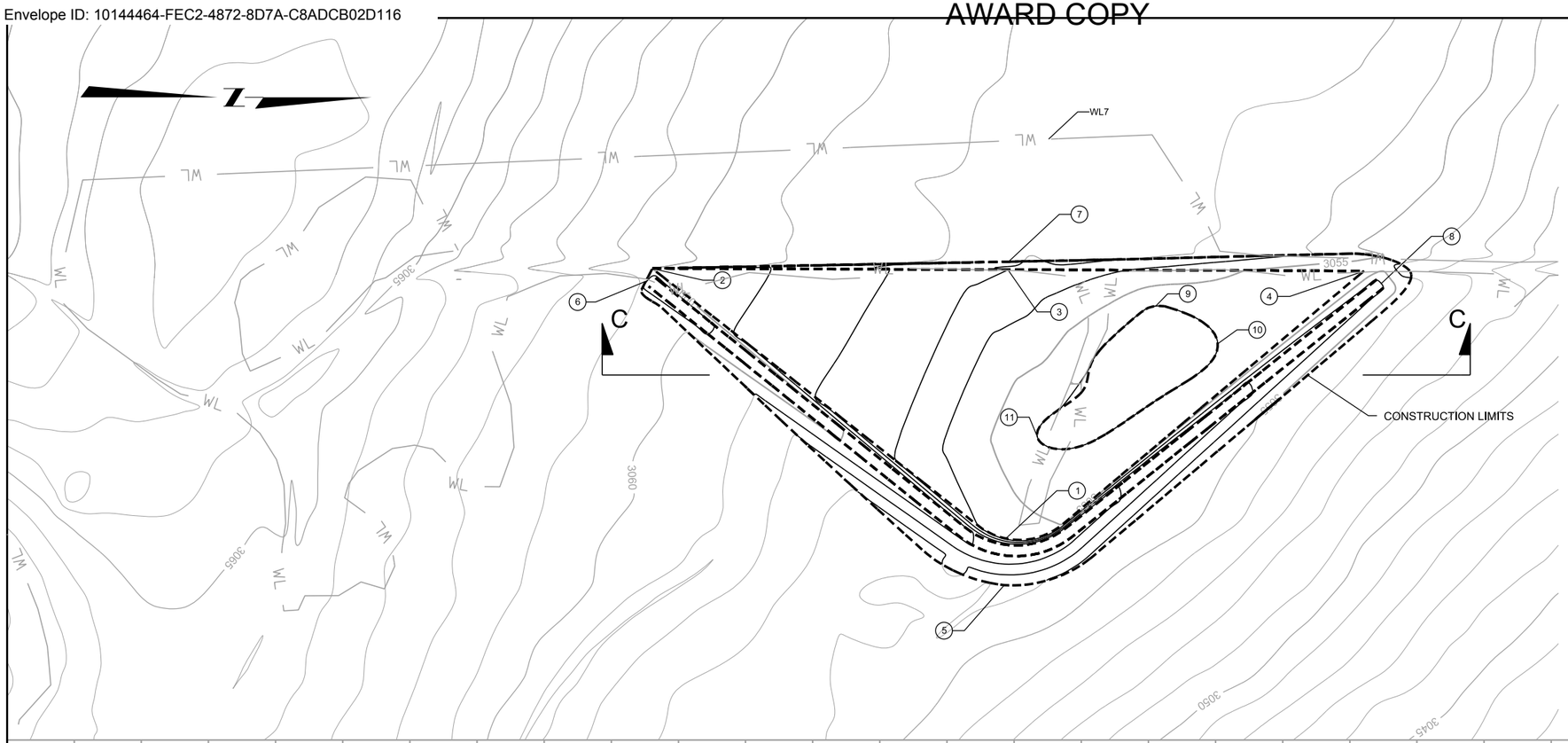
WETLAND CELL B



3070 3065 3060 3055 3050 3045 3040 3035 3030

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ01.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024							
1		1:13:23 PM jmelson				LAKE COUNTY		UPN 8583000	SHEET 17

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116



COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1143483.68	830572.90	3055.50
2	1143259.22	830481.10	3060.00
3	1143390.86	830495.20	3057.00
4	1143522.69	830509.32	3054.00
5	1143377.45	830611.88	3056.34
6	1143256.92	830485.36	3060.93
7	1143391.53	830492.21	3057.51
8	1143528.60	830514.59	3055.92
9	1143444.24	830514.35	3054.00
10	1143465.74	830530.71	3054.00
11	1143395.36	830558.25	3054.00

QUANTITIES	
UNCLASSIFIED EXCAVATION	403 CUYD
EMBANKMENT +	285 CUYD

NOTE:

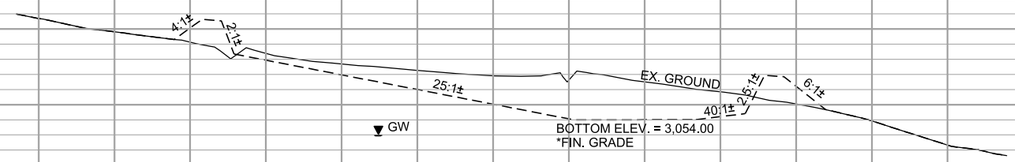
*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

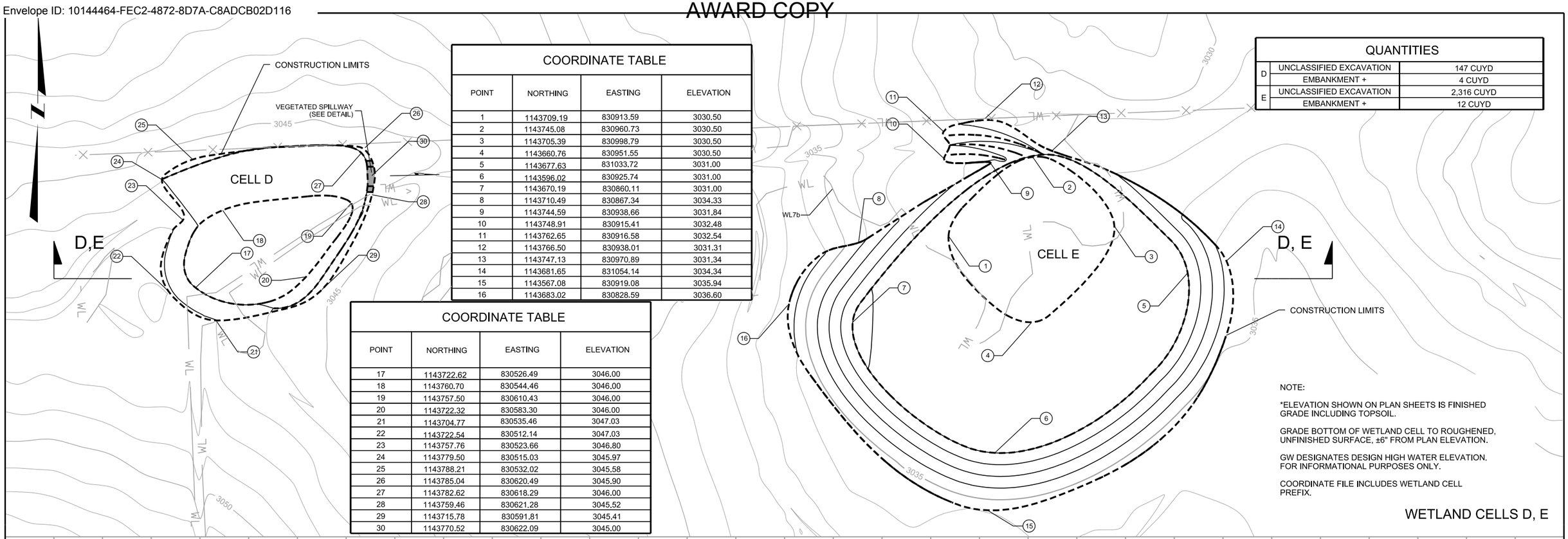
WETLAND CELL C



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ01.dgn				WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024						
1		1:13:27 PM jmelson				LAKE COUNTY	UPN 8583000	SHEET 18

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

AWARD COPY



COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1143709.19	830913.59	3030.50
2	1143745.08	830960.73	3030.50
3	1143705.39	830998.79	3030.50
4	1143660.76	830951.55	3030.50
5	1143677.63	831033.72	3031.00
6	1143596.02	830925.74	3031.00
7	1143670.19	830860.11	3031.00
8	1143710.49	830867.34	3034.33
9	1143744.59	830938.66	3031.84
10	1143748.91	830915.41	3032.48
11	1143762.65	830916.58	3032.54
12	1143766.50	830938.01	3031.31
13	1143747.13	830970.89	3031.34
14	1143681.65	831054.14	3034.34
15	1143567.08	830919.08	3035.94
16	1143683.02	830828.59	3036.60

COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
17	1143722.62	830526.49	3046.00
18	1143760.70	830544.46	3046.00
19	1143757.50	830610.43	3046.00
20	1143722.32	830583.30	3046.00
21	1143704.77	830535.46	3047.03
22	1143722.54	830512.14	3047.03
23	1143757.76	830523.66	3046.80
24	1143779.50	830515.03	3045.97
25	1143788.21	830532.02	3045.58
26	1143785.04	830620.49	3045.90
27	1143782.62	830618.29	3046.00
28	1143759.46	830621.28	3045.52
29	1143715.78	830591.81	3045.41
30	1143770.52	830622.09	3045.00

QUANTITIES		
D	UNCLASSIFIED EXCAVATION	147 CUYD
	EMBANKMENT +	4 CUYD
E	UNCLASSIFIED EXCAVATION	2,316 CUYD
	EMBANKMENT +	12 CUYD

NOTE:

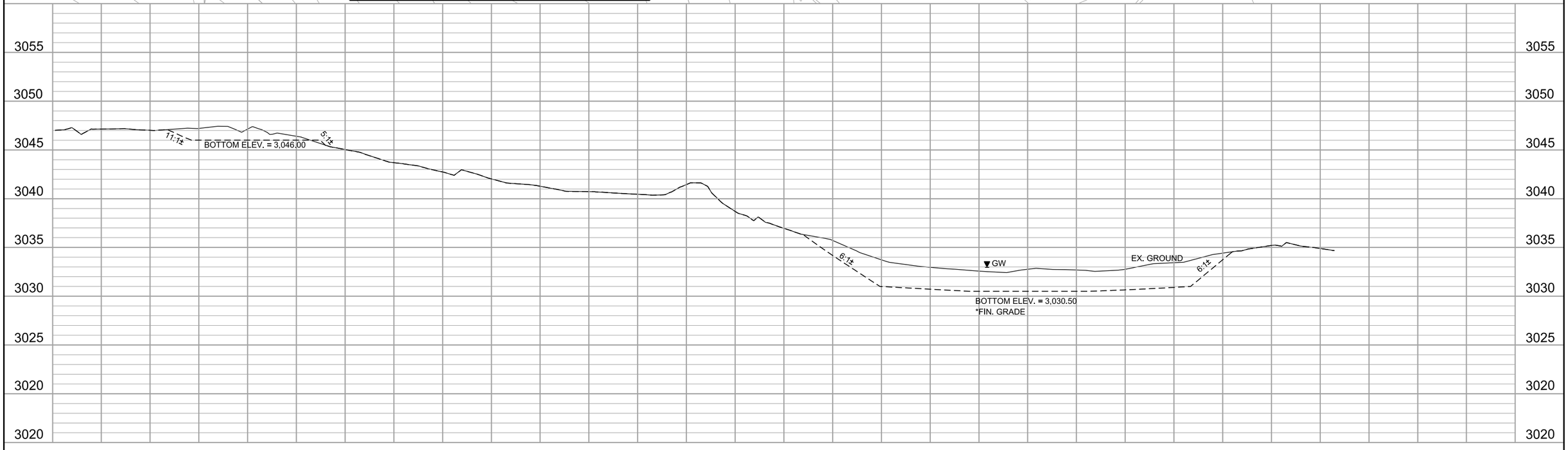
*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

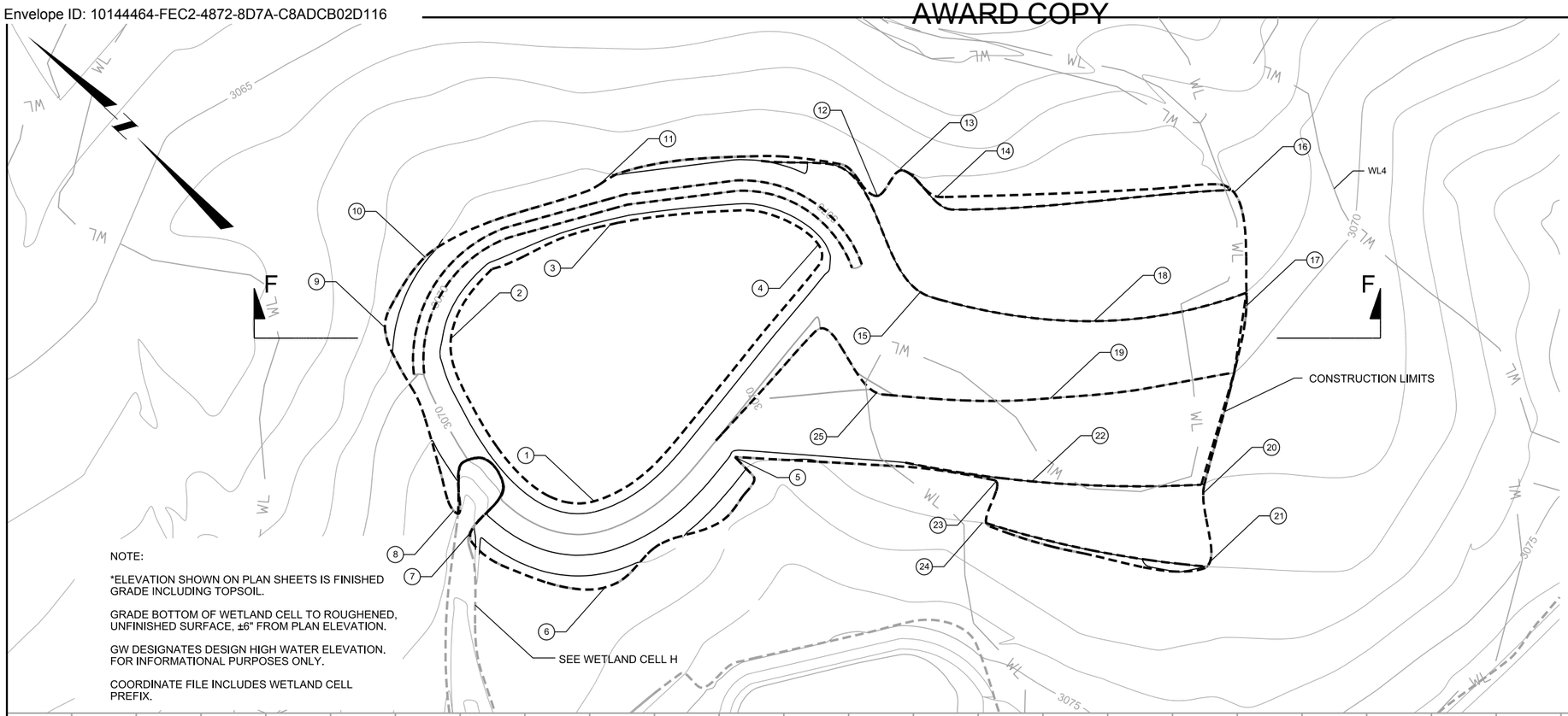
WETLAND CELLS D, E



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ02.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024							
1		1:13:33 PM jmelson				LAKE COUNTY		UPN 8583000	SHEET 19

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

AWARD COPY



NOTE:

*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

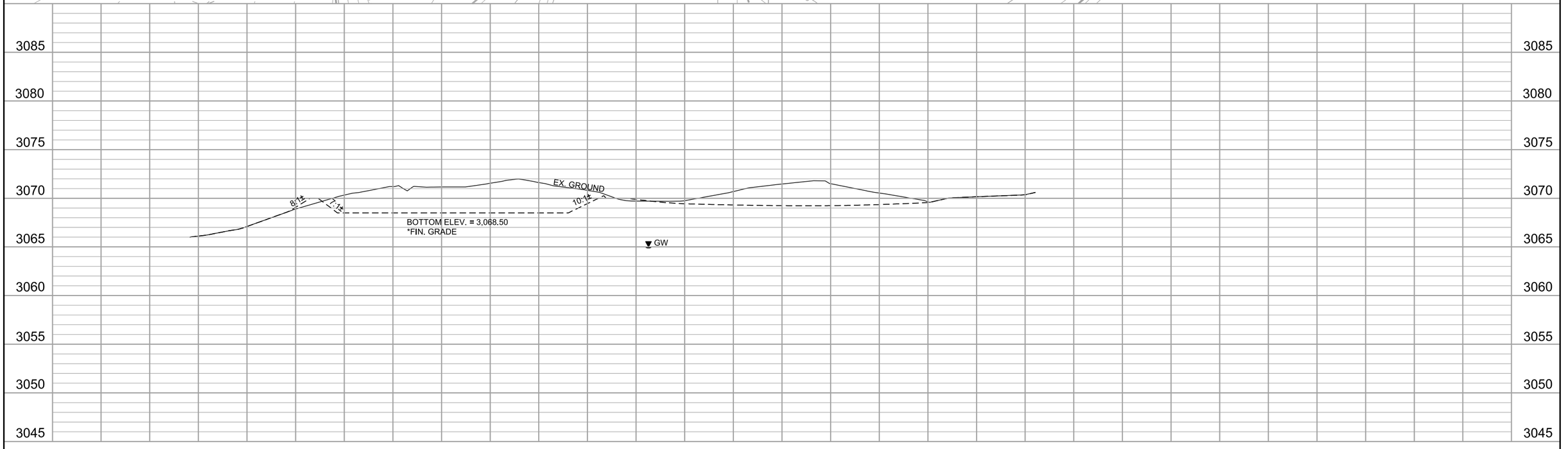
GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1142198.93	830996.07	3068.50
2	1142280.84	831013.26	3068.50
3	1142257.92	831085.51	3068.50
4	1142189.02	831127.34	3068.50
5	1142165.64	831042.31	3071.22
6	1142175.62	830971.97	3072.67
7	1142229.90	830957.94	3072.29
8	1142240.27	830960.65	3071.90
9	1142303.83	831001.40	3068.52
10	1142307.73	831032.47	3068.85
11	1142270.61	831095.22	3069.21
12	1142182.09	831156.21	3068.73
13	1142180.00	831169.86	3068.00
14	1142163.45	831169.54	3068.38
15	1142146.45	831136.19	3069.00
16	1142072.61	831239.57	3068.03
17	1142042.50	8312007.40	3069.20
18	1142086.08	831167.40	3069.00
19	1142081.71	831133.51	3070.00
20	1142012.52	831139.44	3071.12
21	1141994.57	831119.84	3071.94
22	1142068.25	831103.45	3071.00
23	1142079.31	831095.23	3071.47
24	1142072.53	831079.92	3072.01
25	1142136.97	831094.84	3070.00

QUANTITIES	
UNCLASSIFIED EXCAVATION	2,066 CUYD
EMBANKMENT +	46 CUYD

WETLAND CELL F

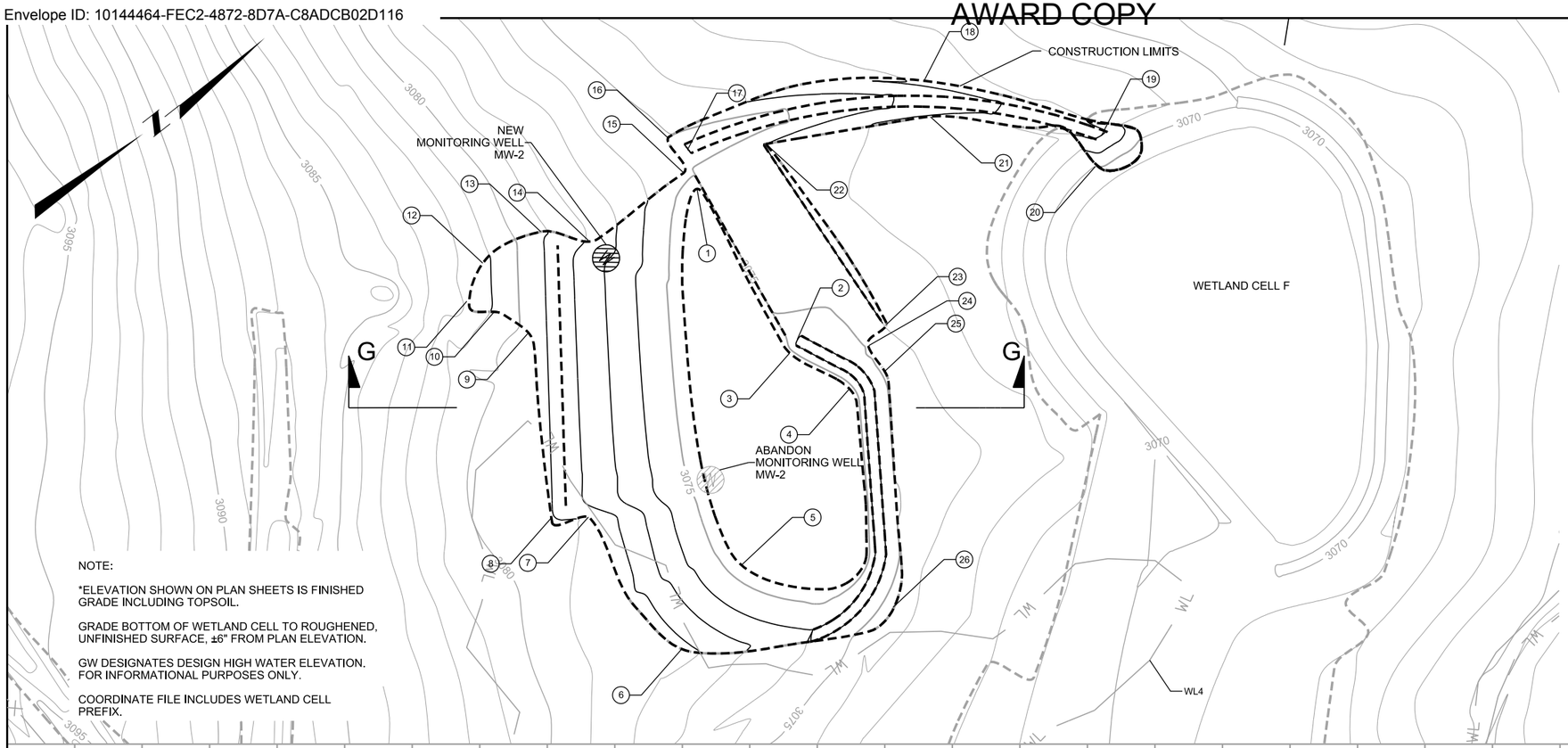


DOWL

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ02.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024							
1		1:13:37 PM jmelson				LAKE COUNTY		UPN 8583000	SHEET 20

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

AWARD COPY



NOTE:

*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

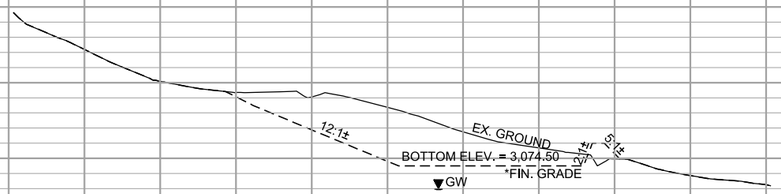
GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1142115.73	830878.21	3074.50
2	1142103.60	830944.48	3075.91
3	1142098.55	830945.06	3074.50
4	1142105.09	830972.86	3074.50
5	1142031.38	830986.80	3074.50
6	1141993.39	830995.72	3078.17
7	1142002.70	830938.04	3078.94
8	1141991.82	830930.82	3079.20
9	1142034.37	830875.05	3079.57
10	1142032.11	830860.27	3080.74
11	1142025.54	830850.42	3081.85
12	1142041.14	830842.98	3081.20
13	1142064.79	830849.86	3079.14
14	1142075.35	830865.50	3077.84
15	1142118.02	830870.56	3075.12
16	1142121.96	830857.73	3075.04
17	1142124.64	830865.44	3076.00
18	1142205.02	830908.10	3072.80
19	1142237.31	830968.33	3072.00
20	1142229.10	830976.31	3070.00
21	1142201.25	830923.40	3072.78
22	1142146.50	830884.88	3074.04
23	1142131.24	830963.75	3073.97
24	1142121.55	830964.17	3074.57
25	1142119.30	830976.75	3074.72
26	1142056.19	831041.70	3074.53

QUANTITIES	
UNCLASSIFIED EXCAVATION	1,005 CUYD
EMBANKMENT +	157 CUYD
ABANDON WELL	1 EA

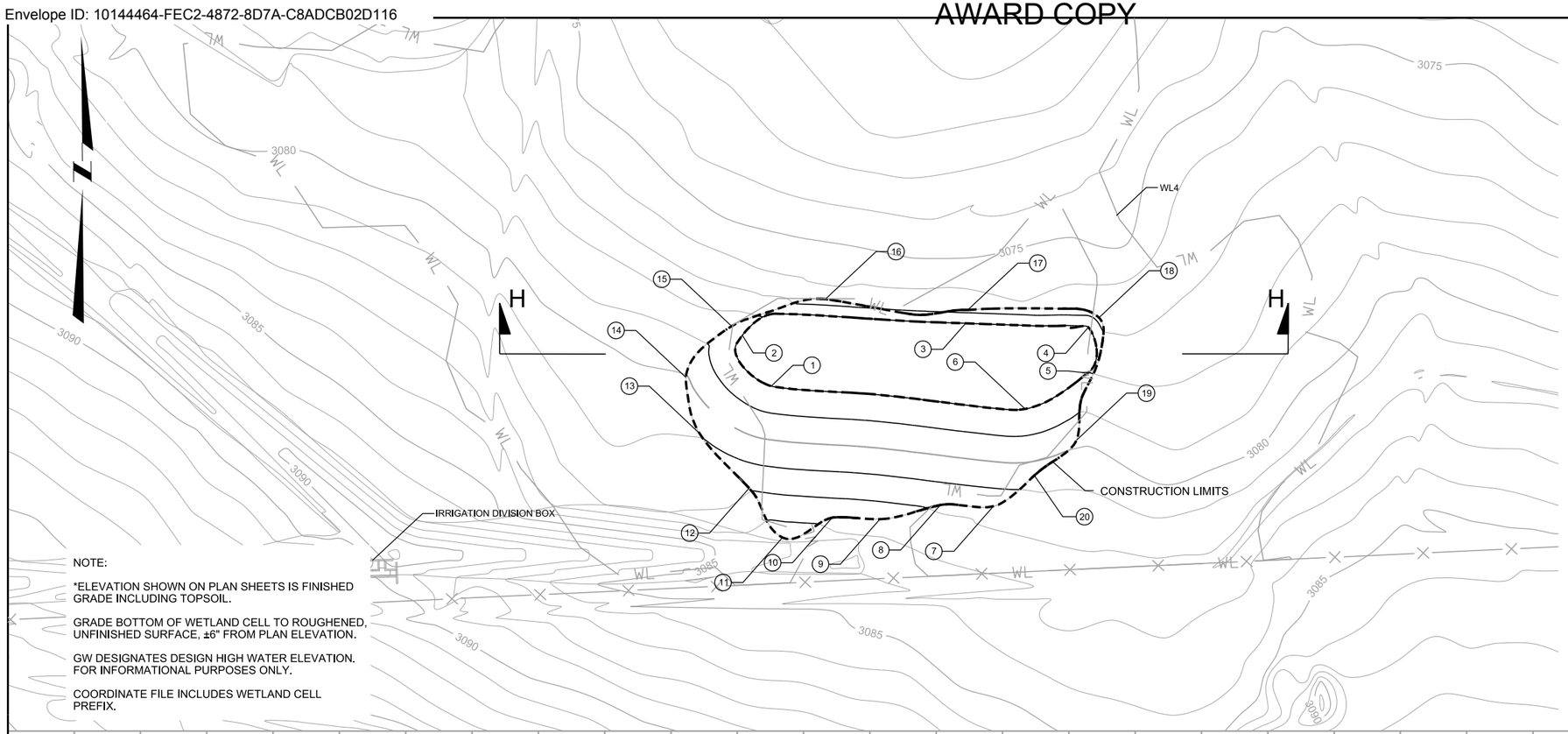
WETLAND CELL G



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ02.dgn				WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024						
1		1:13:41 PM jmelson				LAKE COUNTY	UPN 8583000	SHEET 21

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

AWARD COPY



NOTE:

*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

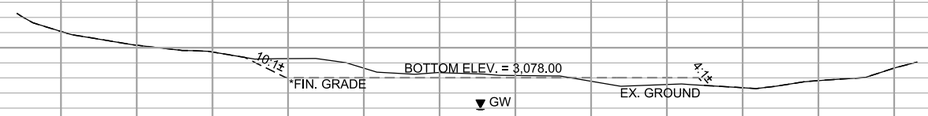
GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1141858.76	831102.32	3078.00
2	1141879.03	831093.63	3078.00
3	1141874.03	831177.77	3078.00
4	1141867.29	831223.61	3078.00
5	1141850.24	831221.32	3078.00
6	1141839.44	831196.42	3078.00
7	1141804.50	831180.71	3081.66
8	1141807.06	831160.55	3081.66
9	1141804.35	831137.38	3082.63
10	1141806.92	831119.48	3082.74
11	1141801.61	831100.08	3083.59
12	1141821.51	831089.67	3081.93
13	1141844.26	831073.23	3080.94
14	1141865.65	831070.72	3080.05
15	1141882.89	831089.98	3078.50
16	1141889.23	831126.55	3076.38
17	1141878.91	831179.13	3076.74
18	1141870.49	831227.95	3076.69
19	1141825.61	831214.36	3079.81
20	1141814.14	831197.07	3080.53

QUANTITIES	
UNCLASSIFIED EXCAVATION	271 CUYD
EMBANKMENT +	50 CUYD

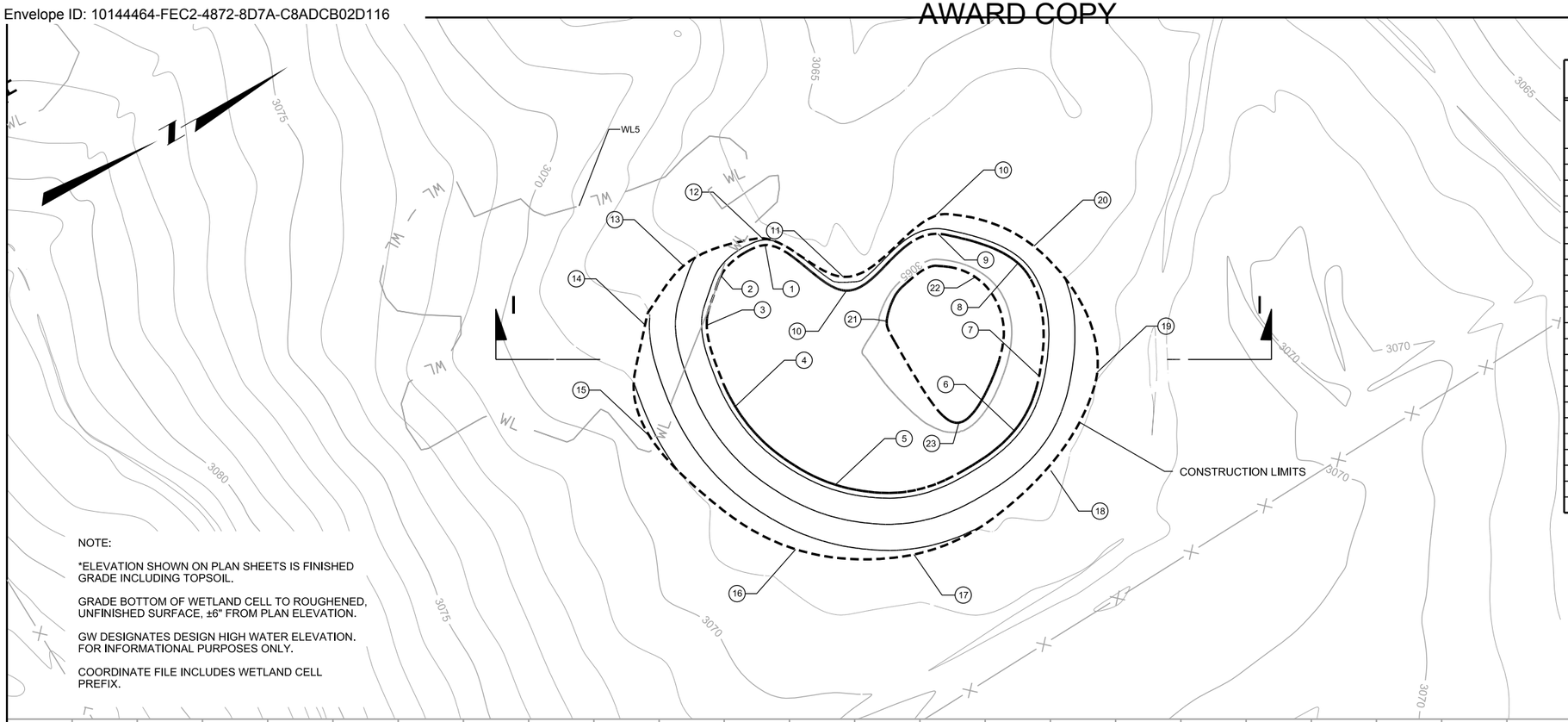
WETLAND CELL H



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ03.dgn				WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024						
1		1:13:45 PM jmelson				LAKE COUNTY	UPN 8583000	SHEET 22

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AWARD COPY



COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1142072.62	831512.39	3065.84
2	1142052.01	831512.09	3065.84
3	1142036.57	831524.43	3065.84
4	1142027.45	831556.11	3065.84
5	1142041.31	831602.78	3065.84
6	1142109.25	831625.71	3065.84
7	1142129.06	831614.20	3065.84
8	1142147.58	831574.21	3065.84
9	1142129.12	831547.28	3065.84
10	1142087.90	831544.66	3065.84
11	1142089.97	851539.66	3066.25
12	1142073.26	831509.59	3066.10
13	1142042.47	831500.40	3067.31
14	1142017.24	831510.61	3068.19
15	1141994.10	831546.35	3069.26
16	1142015.79	831613.81	3068.57
17	1142050.44	831639.05	3068.20
18	1142111.75	831646.38	3067.91
19	1142147.81	831625.92	3067.93
20	1142156.33	831572.45	3066.59
21	1142093.66	831563.18	3064.80
22	1142131.17	831569.06	3064.80
23	1142093.70	831610.88	3064.80

QUANTITIES	
UNCLASSIFIED EXCAVATION	684 CUYD
EMBANKMENT +	0 CUYD

NOTE:

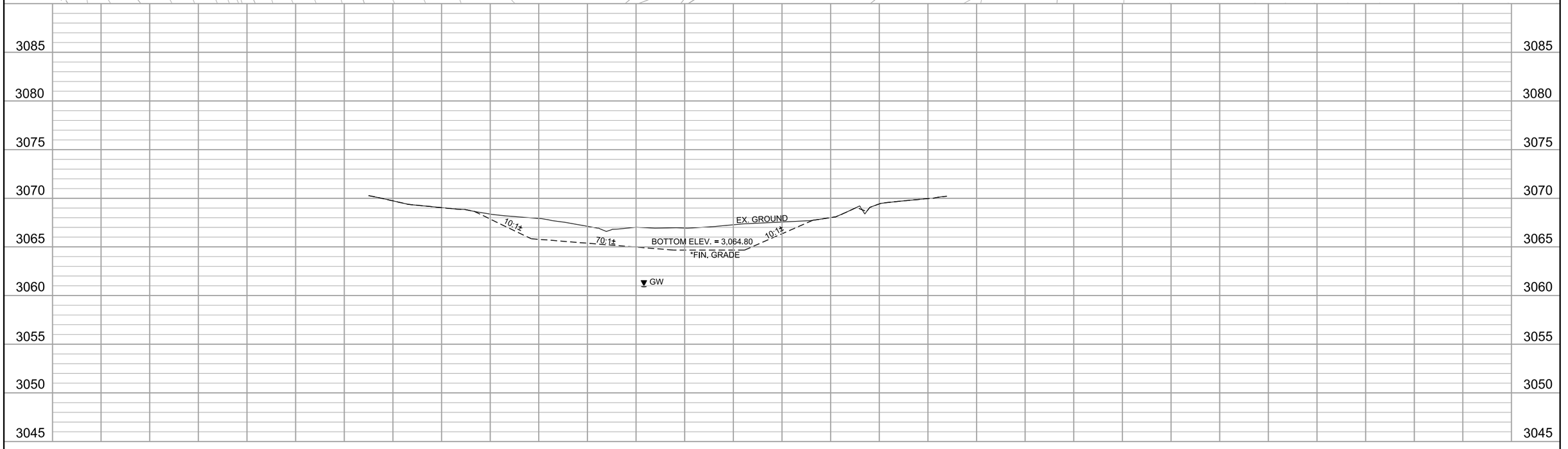
*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

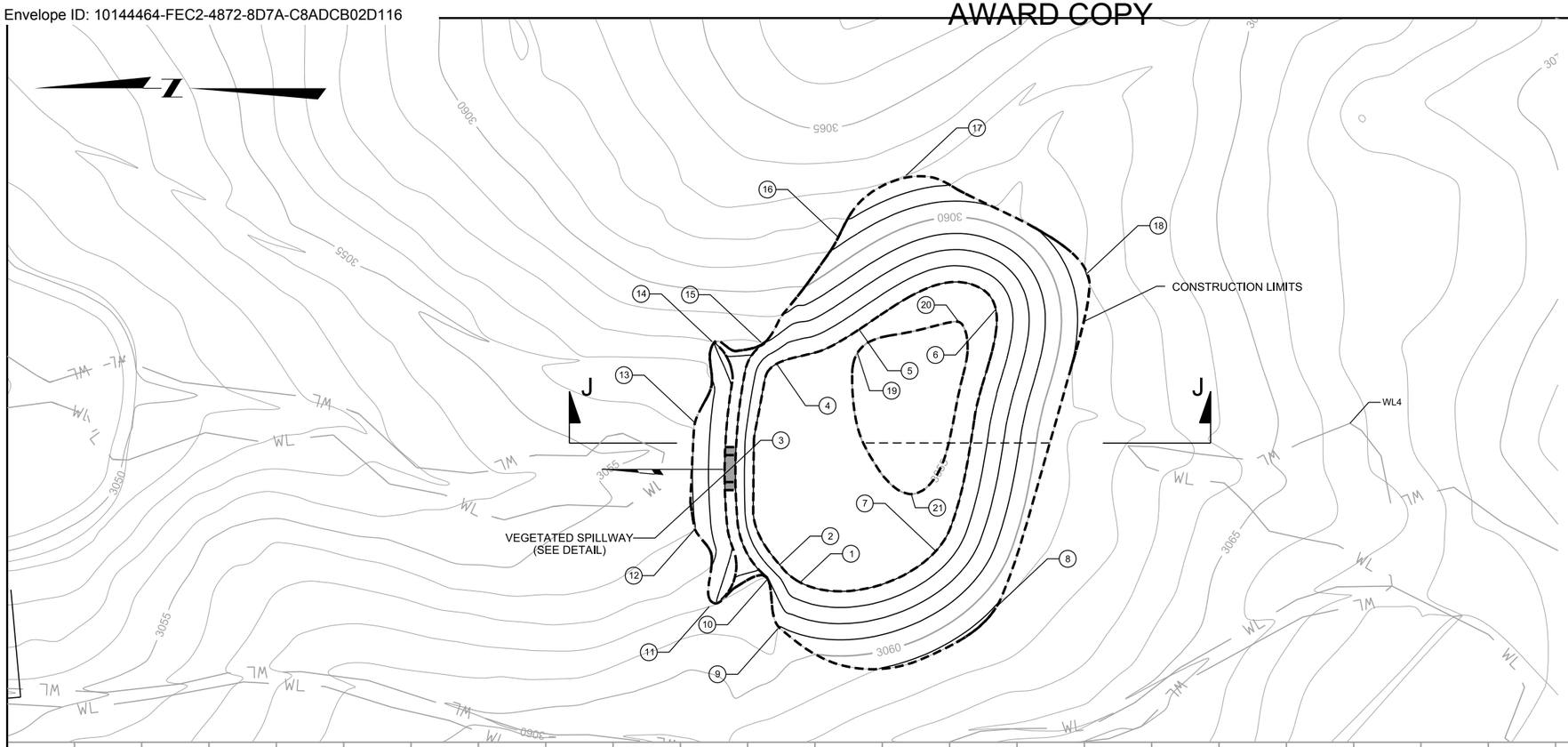
WETLAND CELL I



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ03.dgn				WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024						
1		1:13:49 PM jmelson				LAKE COUNTY	UPN 8583000	SHEET 23

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

AWARD COPY



COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1142318.19	831277.69	3056.00
2	1142325.65	831286.48	3056.00
3	1142339.04	831321.83	3057.00
4	1142317.25	831359.01	3056.00
5	1142280.74	831371.08	3056.00
6	1142235.17	831364.69	3056.00
7	1142261.40	831288.61	3056.00
8	1142240.00	831270.62	3061.20
9	1142326.81	831261.56	3059.03
10	1142329.47	831280.18	3059.03
11	1142349.47	831272.80	3057.95
12	1142353.91	831300.60	3056.03
13	1142350.24	831339.79	3056.03
14	1142340.01	831369.10	3058.00
15	1142332.73	831365.18	3057.68
16	1142290.49	831402.82	3061.30
17	1142264.18	831422.35	3062.86
18	1142199.30	831377.94	3062.06
19	1142286.75	831360.77	3055.00
20	1142248.24	831366.74	3055.00
21	1142273.70	831305.64	3055.00

QUANTITIES	
UNCLASSIFIED EXCAVATION	1,091 CUYD
EMBANKMENT +	70 CUYD

NOTE:

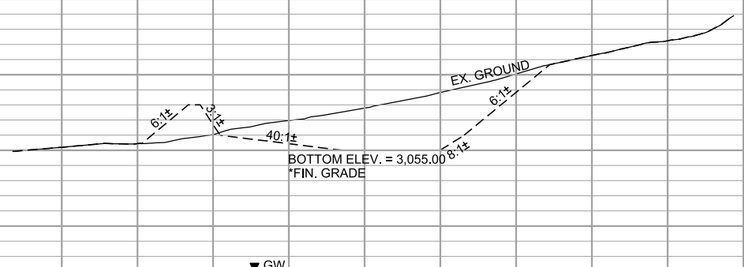
*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

WETLAND CELL J

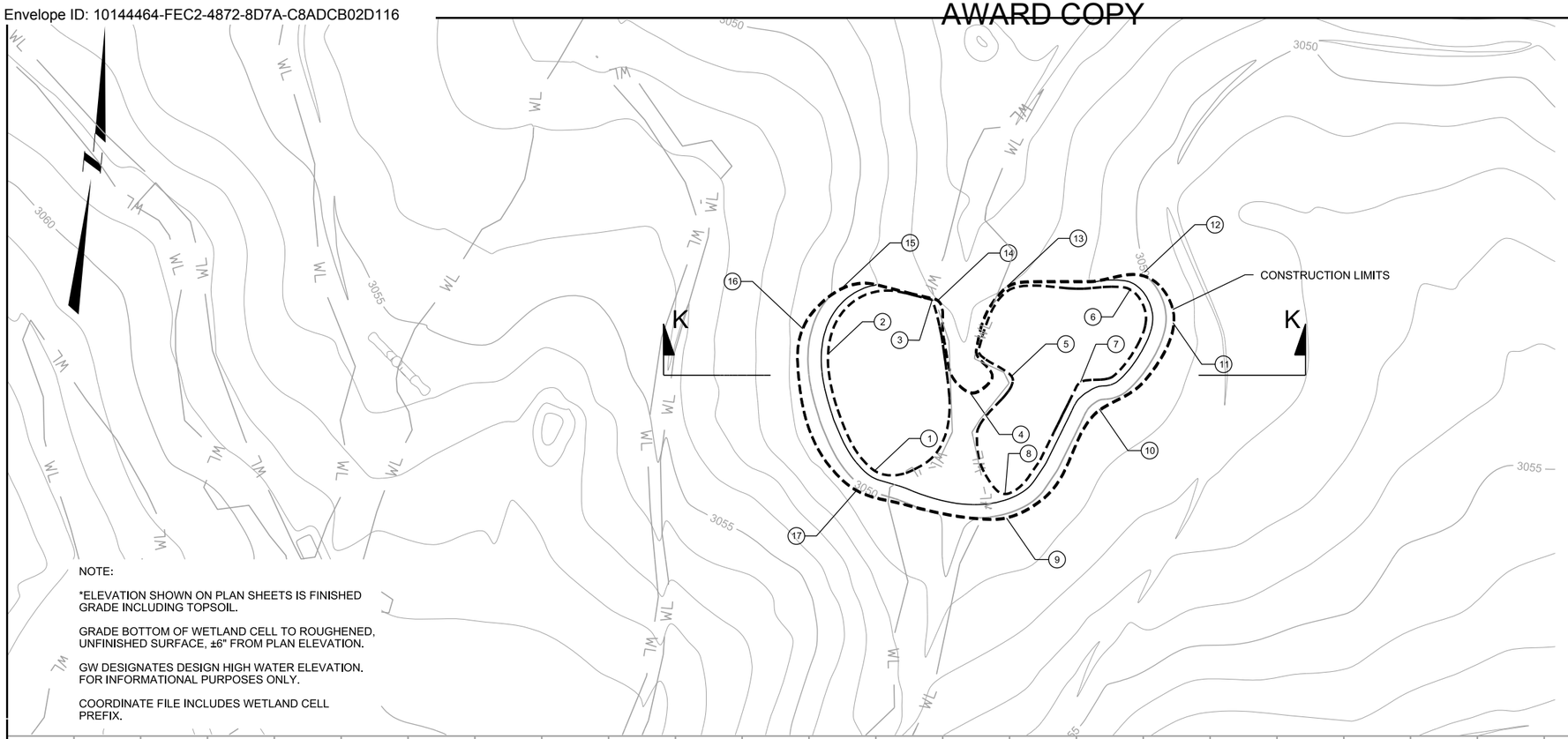


3075 3070 3065 3060 3055 3050 3045 3040 3035

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ03.dgn				WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024						
1		1:13:53 PM jmelson				LAKE COUNTY	UPN 8583000	SHEET 24

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

AWARD COPY



COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1142572.83	831343.30	3048.50
2	1142616.70	831326.45	3048.50
3	1142636.52	831365.65	3048.50
4	1142601.76	831379.44	3048.87
5	1142607.58	831394.94	3048.50
6	1142639.44	831439.69	3048.50
7	1142605.03	831420.77	3048.50
8	1142563.53	831392.04	3048.50
9	1142554.79	831392.38	3050.18
10	114259.91	831427.61	3050.24
11	1142626.86	831455.60	3050.53
12	1142645.45	831442.47	3049.81
13	1142641.62	831393.81	3048.00
14	1142636.67	831367.74	3048.01
15	1142640.84	831330.96	3049.77
16	1142626.54	831317.09	3050.66
17	1142565.71	831336.35	3050.47

QUANTITIES	
UNCLASSIFIED EXCAVATION	244 CUYD
EMBANKMENT +	4 CUYD

NOTE:

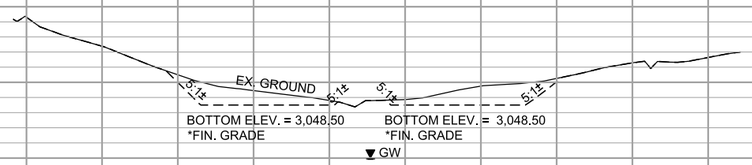
*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

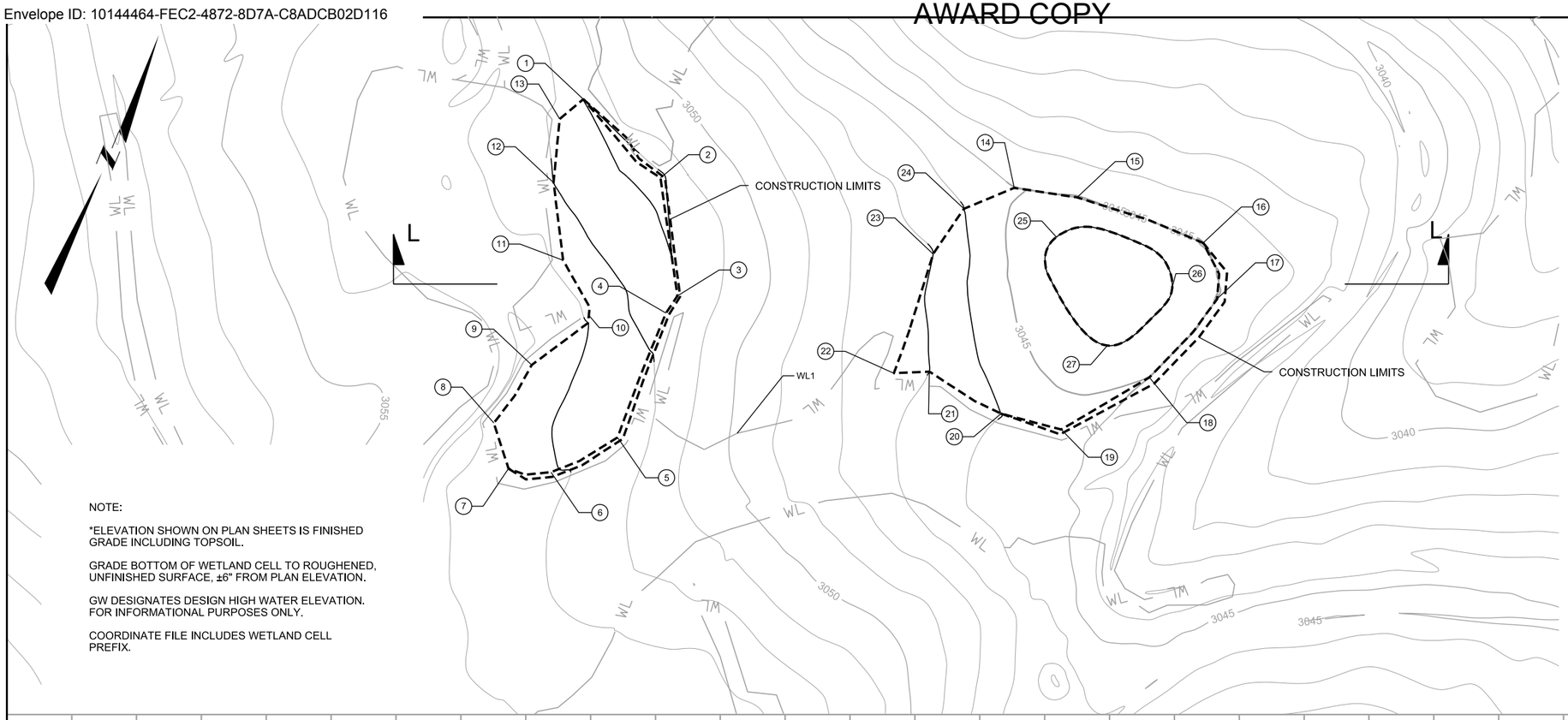
WETLAND CELL K



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ04.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024							
1		1:13:58 PM jmelson				LAKE COUNTY		UPN 8583000	SHEET 25

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COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1142896.45	831147.20	3051.00
2	1142875.83	831184.31	3050.80
3	1142834.06	831203.53	3051.10
4	1142826.48	831201.18	3051.20
5	1142775.21	831196.91	3052.20
6	1142755.05	831176.10	3053.20
7	1142751.72	831160.06	3053.20
8	1142766.97	831149.62	3053.50
9	1142792.59	831157.27	3053.50
10	1142817.26	831172.93	3052.90
11	1142834.72	831157.37	3052.50
12	1142862.38	831145.35	3052.00
13	1142886.53	831140.62	3051.50
14	1142910.89	831316.15	3045.00
15	1142914.27	831340.40	3045.00
16	1142911.24	831391.99	3045.00
17	1142892.06	831403.29	3045.00
18	1142855.67	831386.86	3045.00
19	1142826.71	831359.98	3045.50
20	1142826.04	831336.00	3046.00
21	1142833.72	831304.92	3047.00
22	1142829.19	831291.94	3047.20
23	1142877.61	831293.43	3047.00
24	1142897.64	831299.82	3046.00
25	1142897.35	831337.13	3044.00
26	1142891.09	831385.50	3044.00
27	1142862.91	831368.13	3044.00

NOTE:

*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

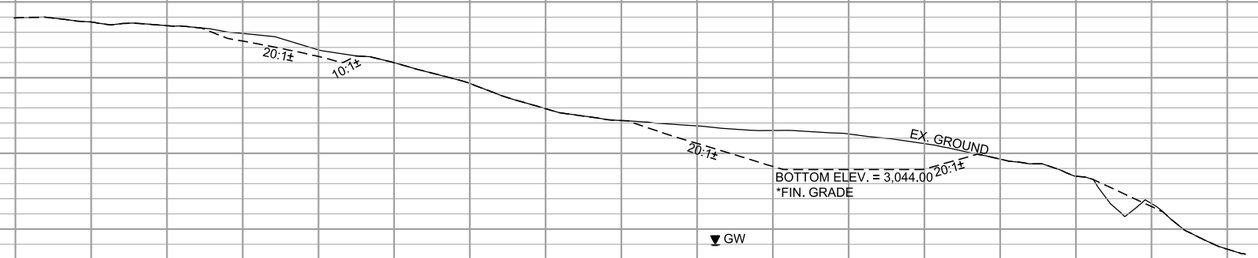
GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

QUANTITIES	
UNCLASSIFIED EXCAVATION	463 CUYD
EMBANKMENT +	7 CUYD

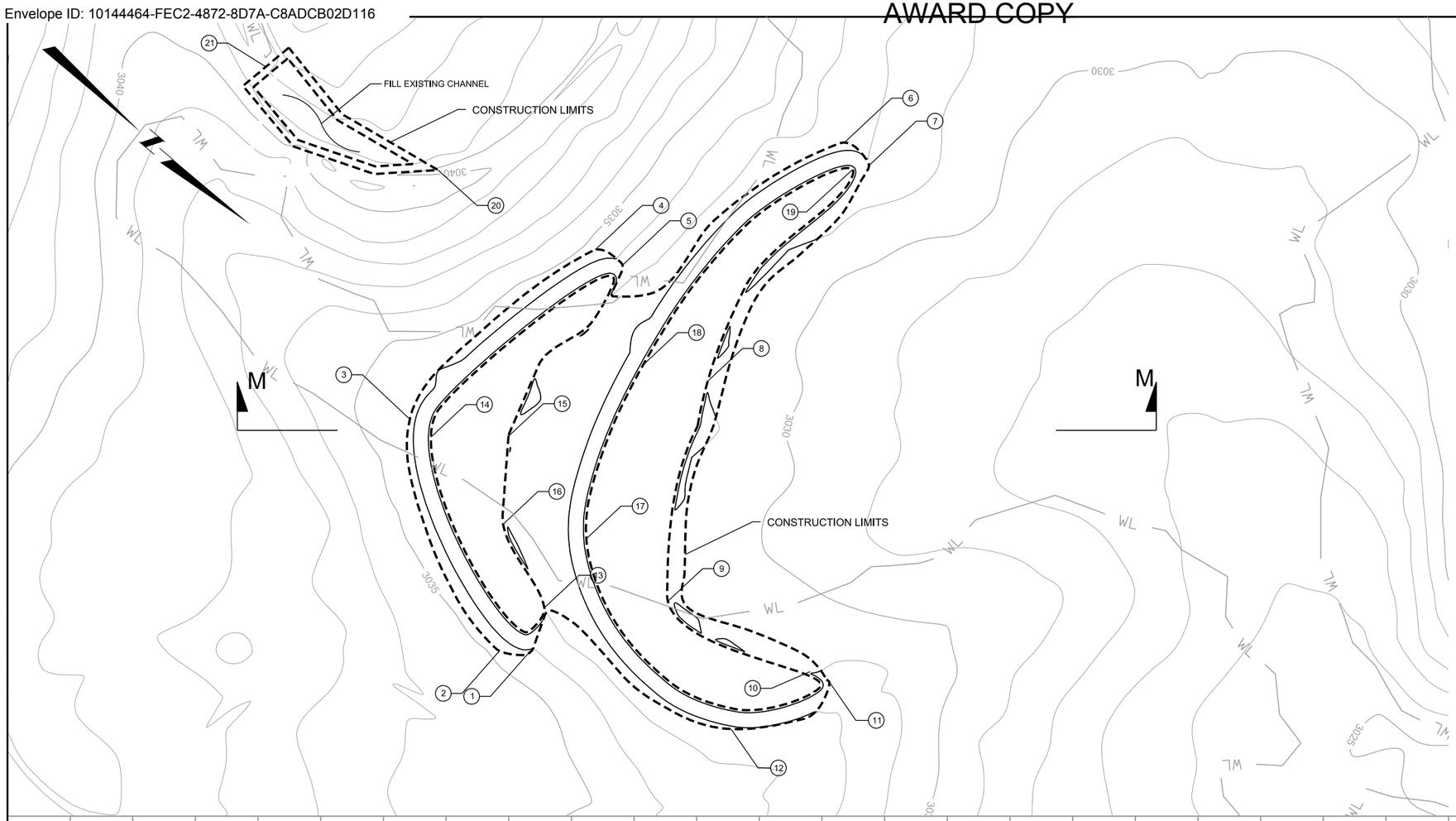
WETLAND CELL L



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ04.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024							
1		1:14:02 PM jmelson				LAKE COUNTY		UPN 8583000	SHEET 26

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

AWARD COPY



COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1143125.77	831580.42	3034.13
2	1143115.11	831587.36	3034.75
3	1143031.19	831511.74	3034.05
4	1143057.20	831432.95	3034.62
5	1143068.16	831432.51	3033.69
6	1143114.51	831341.42	3032.39
7	1143127.03	831343.96	3031.93
8	1143120.28	831443.05	3030.83
9	1143159.83	831533.30	3030.83
10	1143223.29	831525.27	3030.83
11	1143230.79	831522.62	3031.31
12	1143215.04	831556.67	3032.13
13	1143120.82	831563.35	3032.84
14	1143054.47	831545.06	3032.84
15	1143069.61	831514.46	3032.84
16	1143088.76	831546.06	3032.84
17	1143116.67	831527.88	3030.83
18	1143097.97	831463.06	3030.83
19	1143122.47	831349.47	3030.83
20	1142986.42	831443.30	3040.00
21	1142906.32	831448.87	3039.00

QUANTITIES	
UNCLASSIFIED EXCAVATION	330 CUYD
EMBANKMENT +	0 CUYD

NOTE:

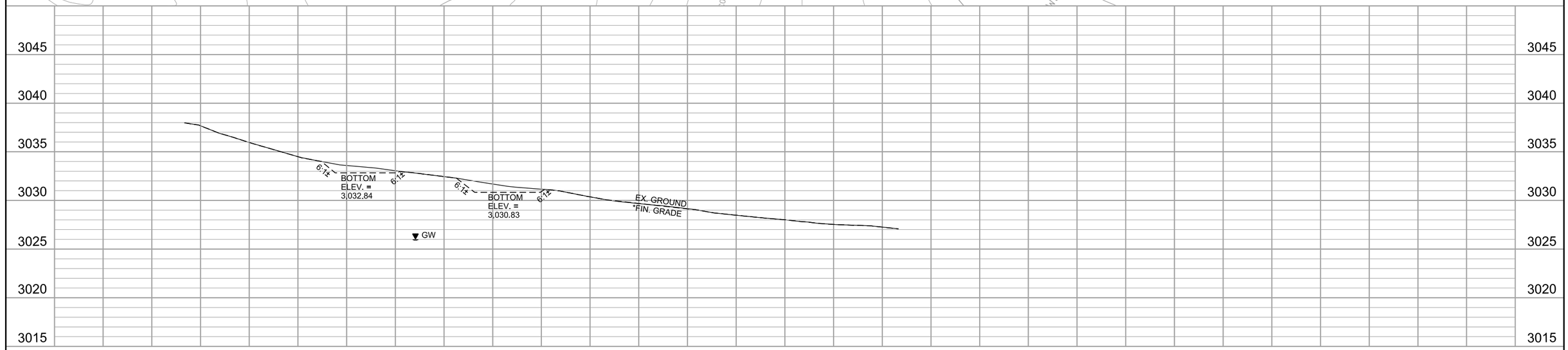
*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

WETLAND CELL M

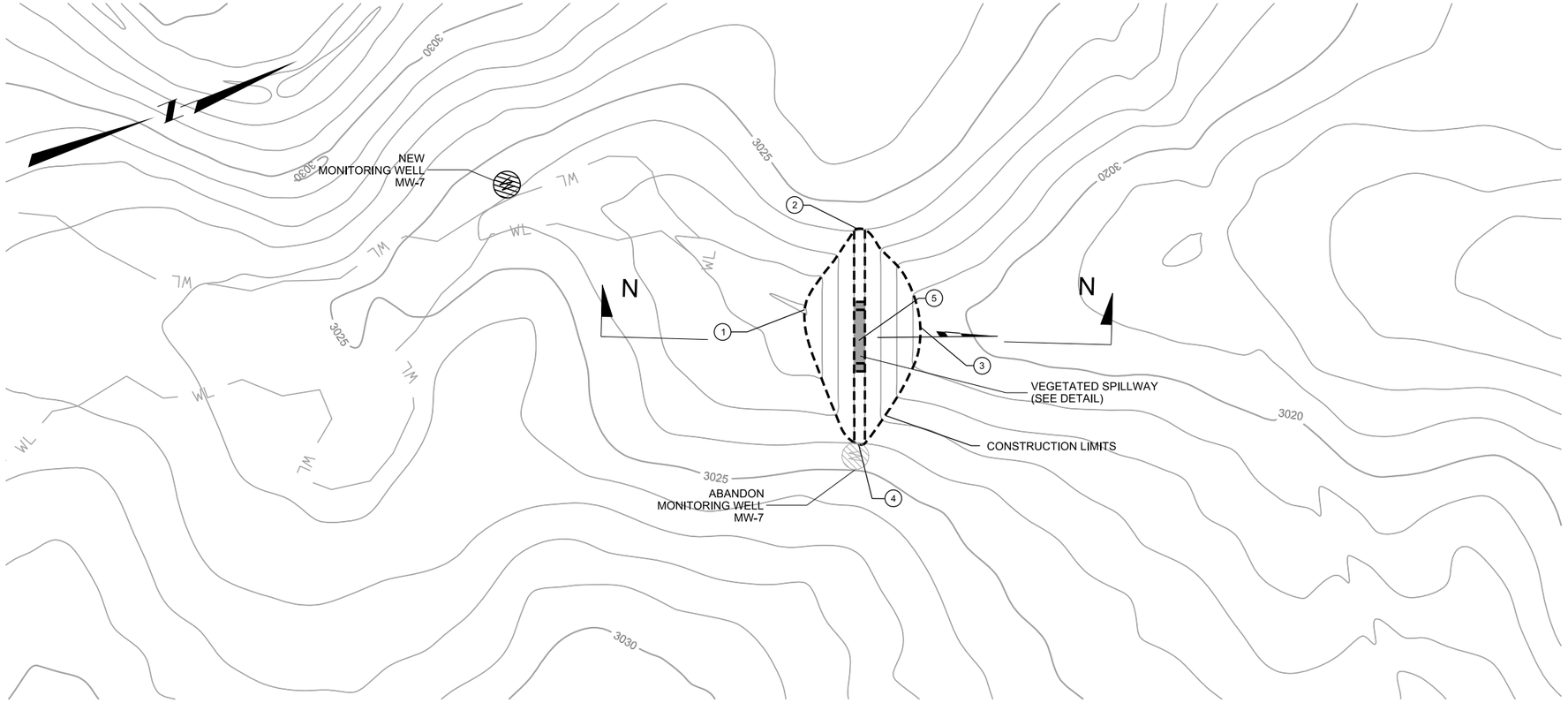


DOWL

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ04.dgn				WETLAND PLANS	WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024						
1		1:14:05 PM jmelson				LAKE COUNTY	UPN 8583000	SHEET 27

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COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1143573.38	831494.94	3021.00
2	1143606.06	831475.77	3024.06
3	1143608.92	831520.12	3020.57
4	1143569.19	831547.00	3024.08
5	1143587.25	831511.77	3023.00

QUANTITIES	
UNCLASSIFIED EXCAVATION	0 CUYD
EMBANKMENT +	134 CUYD
ABANDON WELL	1 EA

NOTE:

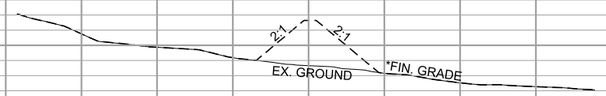
*ELEVATION SHOWN ON PLAN SHEETS IS FINISHED GRADE INCLUDING TOPSOIL.

GRADE BOTTOM OF WETLAND CELL TO ROUGHENED, UNFINISHED SURFACE, ±6" FROM PLAN ELEVATION.

GW DESIGNATES DESIGN HIGH WATER ELEVATION. FOR INFORMATIONAL PURPOSES ONLY.

COORDINATE FILE INCLUDES WETLAND CELL PREFIX.

WETLAND CELL N



DOWL

3045 3040 3035 3030 3025 3020 3015 3010 3005

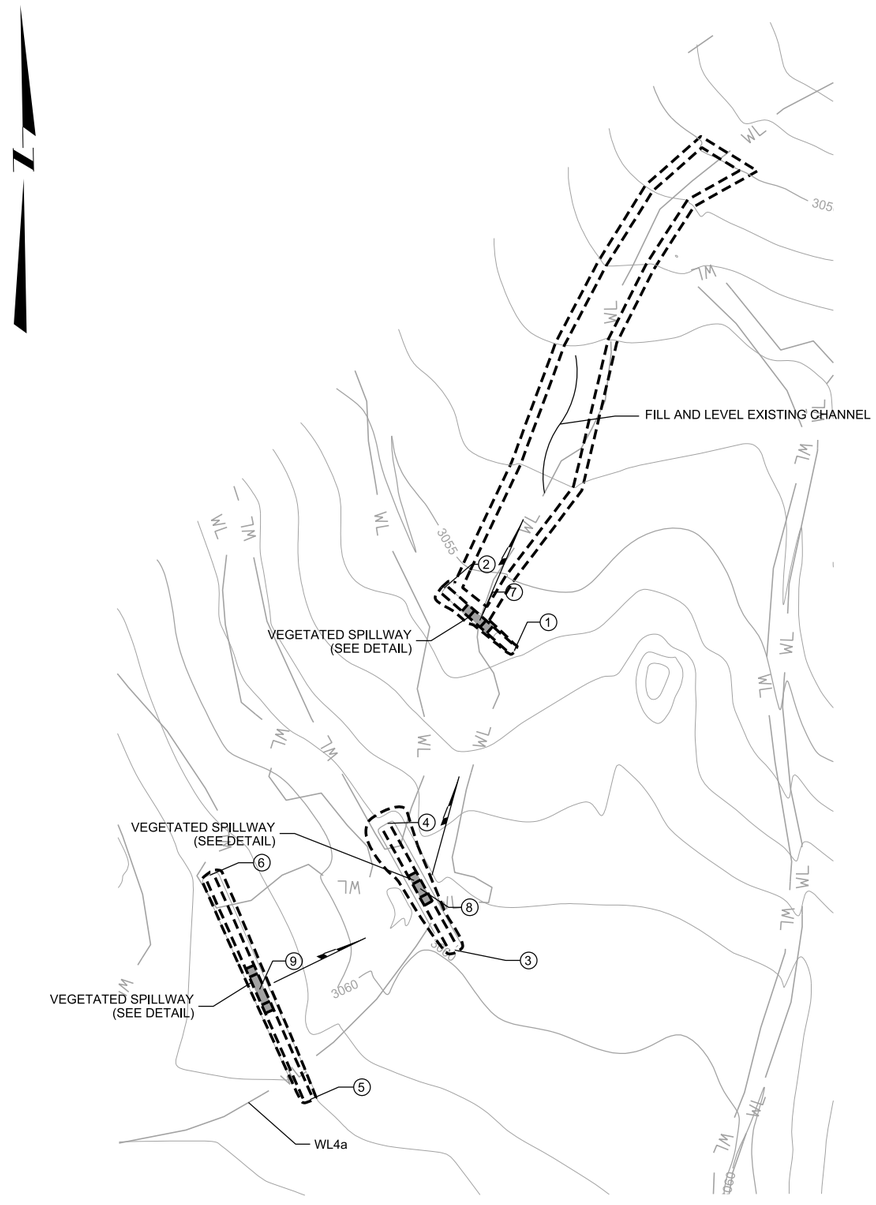
3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDPLPZ05.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024							
1		1:14:07 PM jmelson				LAKE COUNTY		UPN 8583000	SHEET 28

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

DOWL

COORDINATE TABLE			
POINT	NORTHING	EASTING	ELEVATION
1	1142538.67	831069.87	3056.00
2	1142462.14	831096.53	3056.00
3	1142552.19	831128.99	3060.50
4	1142507.27	831148.99	3060.50
5	1142626.38	831155.24	3062.50
6	1142604.46	831176.97	3062.50
7	1142615.89	831165.46	3055.00
8	1142528.63	831138.96	3059.50
9	1142500.24	831083.24	3061.50

QUANTITIES	
UNCLASSIFIED EXCAVATION	3 CUYD
EMBANKMENT +	67 CUYD



DETAIL

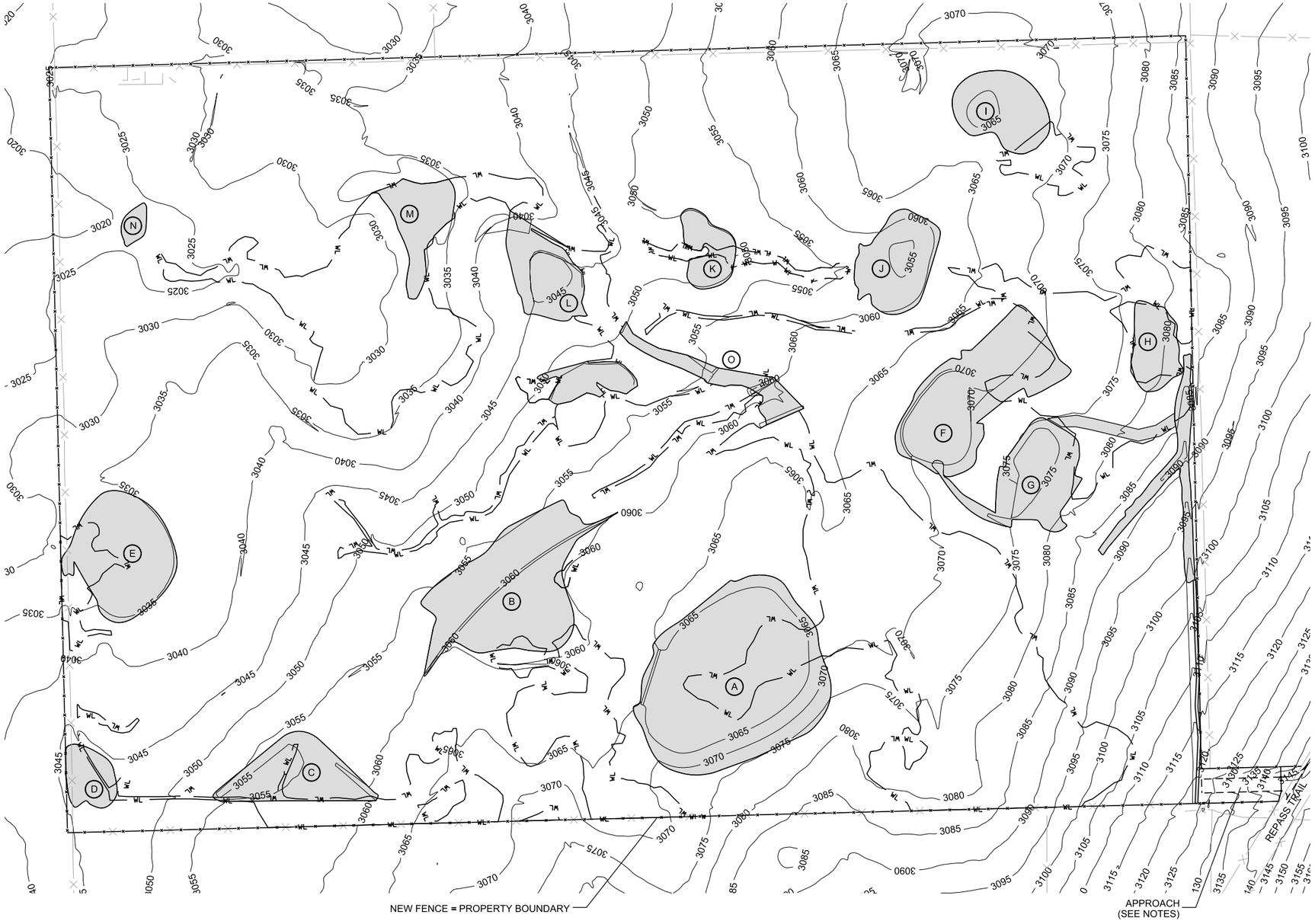
WETLAND CELL O

NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDDETZ04.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION		STPX 24(56)
2		4/2/2024								
1		1:14:09 PM jmelson				LAKE COUNTY			UPN 8583000	SHEET 29

Docusign Envelope ID: 10144464-FEC2-4872-8D7A-C8ADCB02D116

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QUANTITIES	
WETLAND SEEDING - WETLAND	10.2 ACRES
WETLAND SEEDING - UPLAND	7.5* ACRES

* APPROXIMATE QUANTITY INCLUDES BUFFER AREA AND ASSUMED ACCESS DISTURBANCE. EXACT QUANTITY WILL BE DETERMINED AFTER COMPLETION OF CONSTRUCTION.

LEGEND
WETLAND SEEDING - WETLAND

NOTES:
1) SEE SPECIAL PROVISIONS FOR ADDITIONAL REVEGETATION INFORMATION.

2) PROVIDE WETLAND SEEDING - UPLAND MIX TO ALL DISTURBED AREAS AND A 100' BUFFER AROUND ALL NEW WETLANDS. UPLAND SEEDING AREAS ARE NOT SHOWN ON THIS DETAIL.

3) INSTALL SEEDING AS DIRECTED BY MDT PROJECT MANAGER AND/OR AS STAKED/FLAGGED BY MDT AQUATIC MITIGATION SPECIALIST.

4) SEED APPROACH UPON CONSTRUCTION OF NEW APPROACH.

DETAIL

SEEDING & REVEGETATION PLAN

NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	8583000RDDETZ04.dgn				WETLAND PLANS		WS 3 - JOHNSON WETLAND MITIGATION	STPX 24(56)
2		4/2/2024							
1		1:14:11 PM jmelson				LAKE COUNTY		UPN 8583000	SHEET 30