

VOLUME II

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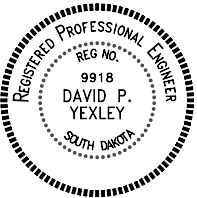
Appendix K: Final Pre-Construction Plan and Profile Drawings

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DEER CREEK STATION GAS PIPELINE

DRAWING LIST

DCS-GI-ONG-0001	XXXXX	GAS PIPELINE DRAWING LIST- DEER CREEK STATION GAS PIPELINE	DCS-CC-ONG-0001	XXXXX	GAS PIPELINE CONCRETE DETAILS SHEET 1 OF 2- DEER CREEK STATION
DCS-GI-ONG-0002	XXXXX	GAS PIPELINE GENERAL NOTES, SHEET 1 OF 2- DEER CREEK STATION	DCS-CC-ONG-0002	XXXXX	GAS PIPELINE CONCRETE DETAILS SHEET 2 OF 2- DEER CREEK STATION
DCS-GI-ONG-0003	XXXXX	GAS PIPELINE GENERAL NOTES, SHEET 2 OF 2- DEER CREEK STATION	DCS-EI-ONG-0001	XXXXX	GAS PIPELINE PLANT SITE HAZARD AREA- DEER CREEK STATION
DCS-CS-ONG-0001	A 001	GAS PIPELINE CONSTRUCTION ALIGNMENT SHEET 1 OF 4- DEER CREEK STATION	DCS-EI-ONG-0002	XXXXX	GAS PIPELINE INTERCONNECT HAZARD AREA- DEER CREEK STATION
DCS-CS-ONG-0002	A 002	GAS PIPELINE CONSTRUCTION ALIGNMENT SHEET 2 OF 4- DEER CREEK STATION	DCS-EL-ONG-0001	XXXXX	GAS PIPELINE PLANT SITE TASK LIGHTING- DEER CREEK STATION
DCS-CS-ONG-0003	A 003	GAS PIPELINE CONSTRUCTION ALIGNMENT SHEET 3 OF 4- DEER CREEK STATION	DCS-EA-ONG-0001	XXXXX	GAS PIPELINE PLANT SITE POWER- DEER CREEK STATION
DCS-CS-ONG-0004	A 004	GAS PIPELINE CONSTRUCTION ALIGNMENT SHEET 4 OF 4- DEER CREEK STATION	DCS-EA-ONG-0002	XXXXX	GAS PIPELINE PLANT SITE ELECTRICAL EQUIPMENT RACK- DEER CREEK STATION
DCS-CP-ONG-0001	DCS i01	GAS PIPELINE CONSTRUCTION ALIGNMENT SHEET, DRAWING INDEX- DEER CREEK STATION	DCS-EG-ONG-0001	XXXXX	GAS PIPELINE PLANT SITE GROUNDING- DEER CREEK STATION
DCS-CP-ONG-0002	DCS 001	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 0+00 TO 30+00- DEER CREEK STATION	DCS-IA-ONG-0001	XXXXX	GAS PIPELINE PLANT SITE INSTRUMENTATION- DEER CREEK STATION
DCS-CP-ONG-0003	DCS 002	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 30+00 TO 60+00- DEER CREEK STATION	DCS-MG-ONG-0003	XXXXX	GAS PIPELINE MASTER BILL OF MATERIALS- DEER CREEK STATION
DCS-CP-ONG-0004	DCS 003	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 60+00 TO 90+00- DEER CREEK STATION	DCS-MG-ONG-0004	XXXXX	GAS PIPELINE STATION TORQUE & THREAD STANDARDS PLAN- DEER CREEK STATION
DCS-CP-ONG-0005	DCS 004	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 90+00 TO 120+00- DEER CREEK STATION	DCS-MP-ONG-0001	XXXXX	GAS PIPELINE INTERCONNECT PLAN- DEER CREEK STATION
DCS-CP-ONG-0006	DCS 005	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 120+00 TO 150+00- DEER CREEK STATION	DCS-MP-ONG-0002	XXXXX	GAS PIPELINE INTERCONNECT SECTIONS- DEER CREEK STATION
DCS-CP-ONG-0007	DCS 006	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 150+00 TO 180+00- DEER CREEK STATION	DCS-MP-ONG-0003	XXXXX	GAS PIPELINE INTERCONNECT ISOMETRIC SHEET 1 OF 2- DEER CREEK STATION
DCS-CP-ONG-0008	DCS 007	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 180+00 TO 210+00- DEER CREEK STATION	DCS-MP-ONG-0004	XXXXX	GAS PIPELINE INTERCONNECT ISOMETRIC SHEET 2 OF 2- DEER CREEK STATION
DCS-CP-ONG-0009	DCS 008	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 210+00 TO 240+00- DEER CREEK STATION	DCS-MP-ONG-0005	XXXXX	GAS PIPELINE PLANT SITE PLAN- DEER CREEK STATION
DCS-CP-ONG-0010	DCS 009	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 240+00 TO 270+00- DEER CREEK STATION	DCS-MP-ONG-0006	XXXXX	GAS PIPELINE PLANT SITE SECTIONS- DEER CREEK STATION
DCS-CP-ONG-0011	DCS 010	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 270+00 TO 300+00- DEER CREEK STATION	DCS-MP-ONG-0007	XXXXX	GAS PIPELINE PLANT SITE ISOMETRIC SHEET 1 OF 3- DEER CREEK STATION
DCS-CP-ONG-0012	DCS 011	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 300+00 TO 330+00- DEER CREEK STATION	DCS-MP-ONG-0008	XXXXX	GAS PIPELINE PLANT SITE ISOMETRIC SHEET 2 OF 3- DEER CREEK STATION
DCS-CP-ONG-0013	DCS 012	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 330+00 TO 360+00- DEER CREEK STATION	DCS-MP-ONG-0009	XXXXX	GAS PIPELINE PLANT SITE ISOMETRIC SHEET 3 OF 3- DEER CREEK STATION
DCS-CP-ONG-0014	DCS 013	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 360+00 TO 390+00- DEER CREEK STATION	XXX-XX-XXX-XXXX	XXXXX	GAS PIPELINE PLANT SITE 3L FILTER/SEPARATOR- DEER CREEK STATION
DCS-CP-ONG-0015	DCS 014	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 390+00 TO 420+00- DEER CREEK STATION	DCS-ML-ONG-0001	XXXXX	GAS PIPELINE INTERCONNECT NITROGEN TEST LIMITS- DEER CREEK STATION
DCS-CP-ONG-0016	DCS 015	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 420+00 TO 450+00- DEER CREEK STATION	DCS-ML-ONG-0002	XXXXX	GAS PIPELINE PLANT SITE NITROGEN TEST LIMITS- DEER CREEK STATION
DCS-CP-ONG-0017	DCS 016	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 450+00 TO 480+00- DEER CREEK STATION	DCS-ML-ONG-0003	XXXXX	GAS PIPELINE HYDRO TEST LIMITS- DEER CREEK STATION
DCS-CP-ONG-0018	DCS 017	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 480+00 TO 510+00- DEER CREEK STATION			
DCS-CP-ONG-0019	DCS 018	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 510+00 TO 540+00- DEER CREEK STATION			
DCS-CP-ONG-0020	DCS 019	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 540+00 TO 570+00- DEER CREEK STATION			
DCS-CP-ONG-0021	DCS 020	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 570+00 TO 600+00- DEER CREEK STATION			
DCS-CP-ONG-0022	DCS 021	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 600+00 TO 630+00- DEER CREEK STATION			
DCS-CP-ONG-0023	DCS 022	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 630+00 TO 660+00- DEER CREEK STATION			
DCS-CP-ONG-0024	DCS 023	GAS PIPELINE CONSTRUCTION PLAN & PROFILE 660+00 TO 690+00- DEER CREEK STATION			
DCS-CD-ONG-0001	DCS B01	GAS PIPELINE BORING B01 AT WETLAND AND 195TH STREET- DEER CREEK STATION			
DCS-CD-ONG-0002	DCS B02	GAS PIPELINE BORING B02 AT WETLAND AND B03 AT 196TH STREET- DEER CREEK STATION			
DCS-CD-ONG-0003	DCS B03	GAS PIPELINE BORING B04 AT WETLAND- DEER CREEK STATION			
DCS-CD-ONG-0004	DCS B04	GAS PIPELINE BORING B05 AT 485TH AVENUE AND B06 AT 197TH STREET- DEER CREEK STATION			
DCS-CD-ONG-0005	DCS B05	GAS PIPELINE BORING B07 AT 485TH AVENUE- DEER CREEK STATION			
DCS-CD-ONG-0006	DCS B06	GAS PIPELINE BORING B08 AT WETLAND- DEER CREEK STATION			
DCS-CD-ONG-0007	DCS B07	GAS PIPELINE BORING B09 AT 199TH STREET & B10 AT 485TH AVENUE- DEER CREEK STATION			
DCS-CD-ONG-0008	DCS B08	GAS PIPELINE BORING B11 AT WETLAND & B13 AT 201ST STREET- DEER CREEK STATION			
DCS-CD-ONG-0009	DCS B09	GAS PIPELINE BORING B12 AT WETLAND- DEER CREEK STATION			
DCS-CD-ONG-0010	DCS B10	GAS PIPELINE BORING B14 AT WETLAND & B15 AT 485TH STREET- DEER CREEK STATION			
DCS-CD-ONG-0011	DCS B11	GAS PIPELINE BORING B16 AT HIGHWAY 30 & WETLAND- DEER CREEK STATION			
DCS-CD-ONG-0012	DCS B12	GAS PIPELINE BORING B17 AT 204TH STREET- DEER CREEK STATION			
DCS-CD-ONG-0013	DCS B13	GAS PIPELINE BORING B18 AT LEIFERMAN HILL- DEER CREEK STATION			
DCS-CD-ONG-0014	DCS B14	GAS PIPELINE BORING B19 AT 484TH AVENUE- DEER CREEK STATION			
DCS-CD-ONG-0015	DCS B15	GAS PIPELINE BORING B20 AT 205TH STREET & WETLAND- DEER CREEK STATION			



NO.	DATE	BY	REVISION
-	-	-	-
BASIN ELECTRIC POWER COOPERATIVE A Touchstone Energy® Cooperative  MONTANA-DAKOTA UTILITIES CO. <i>A Division of MDU Resources Group, Inc.</i>			
DRAWING LIST DEER CREEK STATION			
SCALE	DATE	DRAWN BY	APPROVED BY
NONE	6/2/10	CASSIE PETER	DAVE YEXLEY
DCS-GI-ONG-0001			



SCALE IN FEET

	P.I. STA.	P.I. TABLE NORTHING	P.I. TABLE EASTING
CURVE #1	0+00.00	286814.7553'	2874989.4927'
R = 500.00'	7+61.95	286055.4778'	2875053.1102'
L = 178.92'	9+90.77	285832.8512'	2874992.3941'
Δ = 11°27'33"	84+43.97	278384.8593'	2875301.9579'
	111+27.81	276114.7342'	2876733.5740'
	117+62.36	275636.5025'	2877151.5192'
	122+66.37	275148.2003'	2877300.1576'
	146+86.41	273067.1969'	2878537.7588'
	160+56.31	273109.5715'	2879907.0075'
	169+21.29	272248.9708'	2879993.9759'
	172+15.79	271968.9505'	2879893.5276'
	178+26.59	271357.8614'	2879923.8781'
	179+86.66	271355.7034'	2879763.8276'
	188+38.44	270504.5695'	2879797.1377'
	192+25.72	270117.7198'	2879815.2909'

CURVE #4

R = 1000.00'

L = 422.74'

Δ = 05°43'47"

CURVE #5

R = 1000.00'

L = 241.04'

Δ = 05°43'47"

CURVE #6

R = 400.00'

L = 178.05'

Δ = 14°19'26"

CURVE #7

R = 200.00'

L = 78.81"

Δ = 28°38'52"

REVISIONS				
No.	DATE	BY	CKD.	

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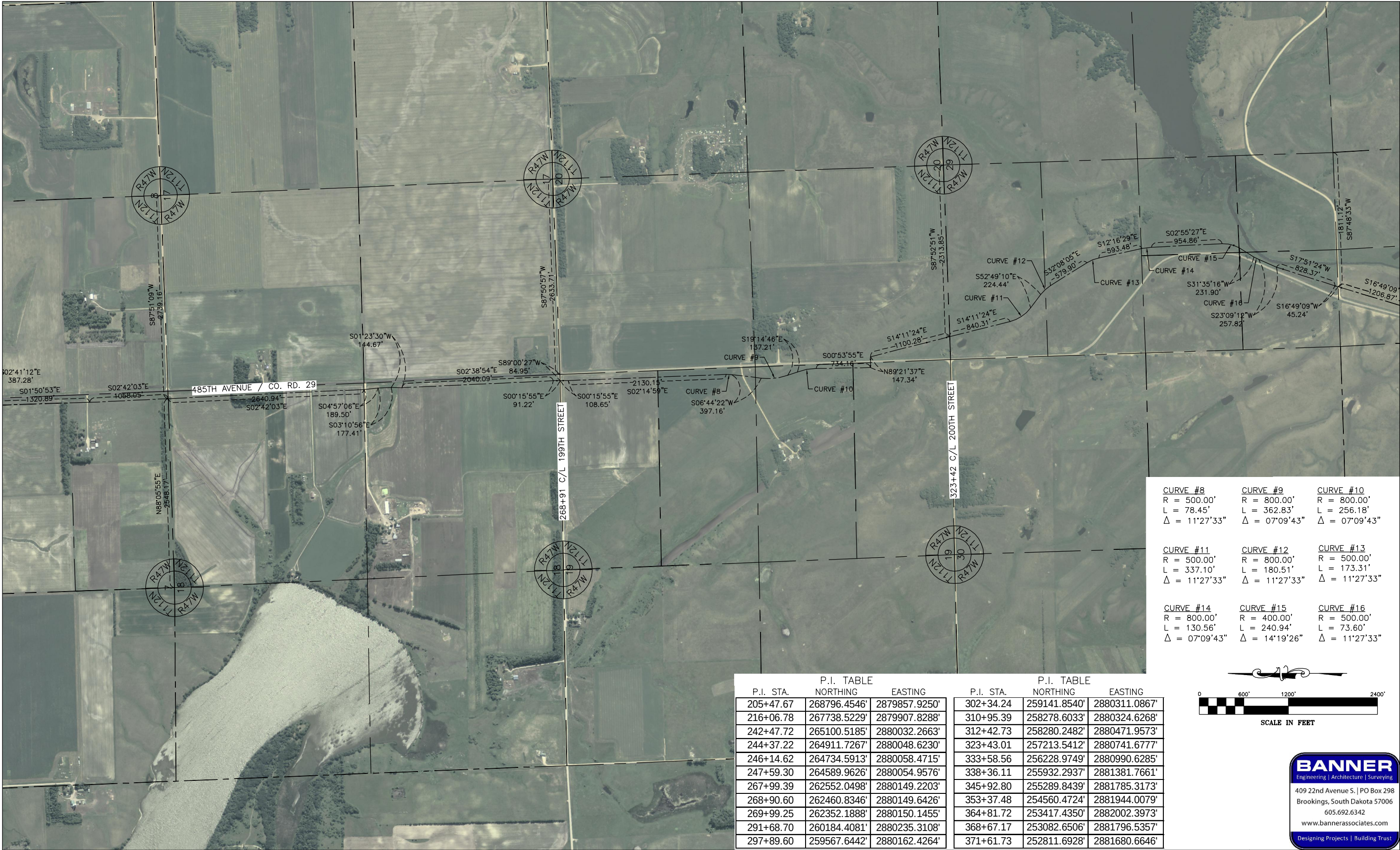
DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA

ALIGNMENT SHEET
ALIGN-001

DRAWN BY: JLU
SIGNED BY: DPY
DATE: JUNE 2010

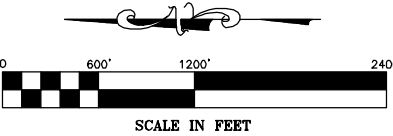
CHECK BY: SDR
ORIGINAL SIGNED
ENGINEER

SCALE: 1" = 200'



CURVE #8 R = 500.00' L = 78.45' Δ = 11°27'33"	CURVE #9 R = 800.00' L = 362.83' Δ = 07°09'43"	CURVE #10 R = 800.00' L = 256.18' Δ = 07°09'43"
CURVE #11 R = 500.00' L = 337.10' Δ = 11°27'33"	CURVE #12 R = 800.00' L = 180.51' Δ = 11°27'33"	CURVE #13 R = 500.00' L = 173.31' Δ = 11°27'33"
CURVE #14 R = 800.00' L = 130.56' Δ = 07°09'43"	CURVE #15 R = 400.00' L = 240.94' Δ = 14°19'26"	CURVE #16 R = 500.00' L = 73.60' Δ = 11°27'33"

P.I. TABLE			P.I. TABLE		
P.I. STA.	NORTHING	EASTING	P.I. STA.	NORTHING	EASTING
205+47.67	268796.4546'	2879857.9250'	302+34.24	259141.8540'	2880311.0867'
216+06.78	267738.5229'	2879907.8288'	310+95.39	258278.6033'	2880324.6268'
242+47.72	265100.5185'	2880032.2663'	312+42.73	258280.2482'	2880471.9573'
244+37.22	264911.7267'	2880048.6230'	323+43.01	257213.5412'	2880741.6777'
246+14.62	264734.5913'	2880058.4715'	333+58.56	256228.9749'	2880990.6285'
247+59.30	264589.9626'	2880054.9576'	338+36.11	255932.2937'	2881381.7661'
267+99.39	262552.0498'	2880149.2203'	345+92.80	255289.8439'	2881785.3173'
268+90.60	262460.8346'	2880149.6426'	353+37.48	254560.4724'	2881944.0079'
269+99.25	262352.1888'	2880150.1455'	364+81.72	253417.4350'	2882002.3973'
291+68.70	260184.4081'	2880235.3108'	368+67.17	253082.6506'	2881796.5357'
297+89.60	259567.6442'	2880162.4264'	371+61.73	252811.6928'	2881680.6646'





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DEER CREEK STATION GAS PIPELINE

DEVEL & BROOKINGS COUNTY, SOUTH DAKOTA

ALIGNMENT SHEET

ALIGN-002

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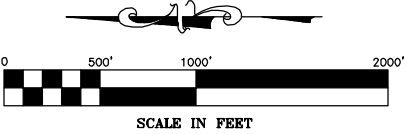


P.I. TABLE			P.I. TABLE		
P.I. STA.	NORTHING	EASTING	P.I. STA.	NORTHING	EASTING
379+90.10	252023.2289'	2881426.6562'	450+86.56	245209.2131'	2880768.1174'
380+35.34	251979.9249'	2881413.5662'	472+84.87	243010.9387'	2880780.8161'
393+37.25	250733.7076'	2881036.8578'	487+87.45	241508.5651'	2880756.2093'
405+42.24	249529.7891'	2880968.0788'	489+02.76	241393.7847'	2880767.2626'
410+03.20	249070.8034'	2881010.6066'	500+12.16	240289.4859'	2880873.6065'
413+08.47	248782.9710'	2881114.3378'	508+16.72	239485.4903'	2880903.6929'
418+77.32	248218.2866'	2881190.5431'	516+45.01	238657.3809'	2880886.6281'
425+04.72	247602.1268'	2881049.4975'	519+64.56	238363.4577'	2880754.3853'
433+90.52	246719.5873'	2880970.7130'	538+24.42	236500.3923'	2880803.9855'
434+67.91	246642.5029'	2880963.8317'	540+77.43	236251.9941'	2880750.1558'
436+64.27	246631.5033'	2880767.7773'	542+43.60	236085.2556'	2880748.6296'
			543+14.70	236014.1581'	2880747.9789'

CURVE #17	CURVE #18	CURVE #19	CURVE #20	CURVE #21	CURVE #22
R = 800.00'	R = 500.00'	R = 1200.00'	R = 1200.00'	R = 1200.00'	R = 500.00'
L = 189.19'	L = 126.75'	L = 254.11'	L = 431.01'	L = 163.20'	L = 201.09'
Δ = 07°09'43"	Δ = 11°27'33"	Δ = 04°46'29"	Δ = 04°46'29"	Δ = 04°46'29"	Δ = 11°27'33"

CURVE #23	CURVE #24	CURVE #25	CURVE #26
R = 500.00'	R = 1000.00'	R = 800.00'	R = 1000.00'
L = 224.70'	L = 240.02'	L = 163.40'	L = 343.75'
Δ = 11°27'33"	Δ = 05°43'47"	Δ = 07°09'43"	Δ = 05°43'47"

CURVE #27	CURVE #28	CURVE #29	CURVE #30
R = 1000.00'	R = 2264.65'	R = 800.00'	R = 1000.00'
L = 116.23'	L = 358.13'	L = 185.28'	L = 254.05'
Δ = 05°43'47"	Δ = 02°31'48"	Δ = 07°09'43"	Δ = 05°43'47"



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DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA

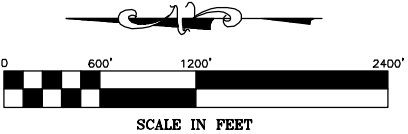
ALIGNMENT SHEET
ALIGN-003



P.I. TABLE		
P.I. STA.	NORTHING	EASTING
555+37.35	235326.5397'	2879737.0138'
559+84.78	235213.4516'	2879300.5762'
565+76.99	235012.9713'	2878743.6179'
581+66.42	234804.1599'	2877167.2056'
588+26.14	234569.4203'	2876549.7698'
594+33.09	234217.2710'	2876053.7322'
596+11.06	234208.8046'	2875875.9632'
605+15.21	233306.6063'	2875935.2440'
613+36.40	232485.6179'	2875953.6427'
631+84.22	230638.3038'	2875910.6807'
632+67.21	230555.3062'	2875911.6441'
652+89.06	228537.0458'	2876032.3548'
668+20.42	227079.9588'	2875546.1324'
683+51.56	225769.2672'	2874753.2169'
688+10.18	225302.7841'	2874731.3245'
689+44.00	225169.30'	2874725.06'

CURVE #31	CURVE #32	CURVE #33
R = 2000.00'	R = 2000.00'	R = 1000.00'
L = 69.72'	L = 96.26'	L = 381.81'
Δ = 02°51'53"	Δ = 02°51'53"	Δ = 05°43'47"

CURVE #34	CURVE #35
R = 800.00'	R = 800.00'
L = 177.59'	L = 397.73'
Δ = 07°09'43"	Δ = 07°09'43"



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No.	DATE	BY	CKD.

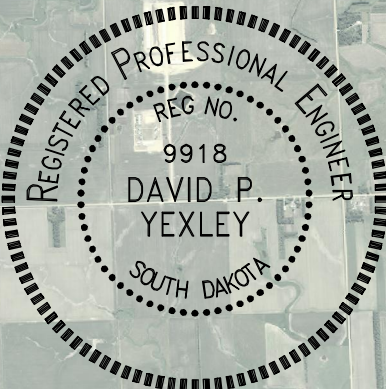
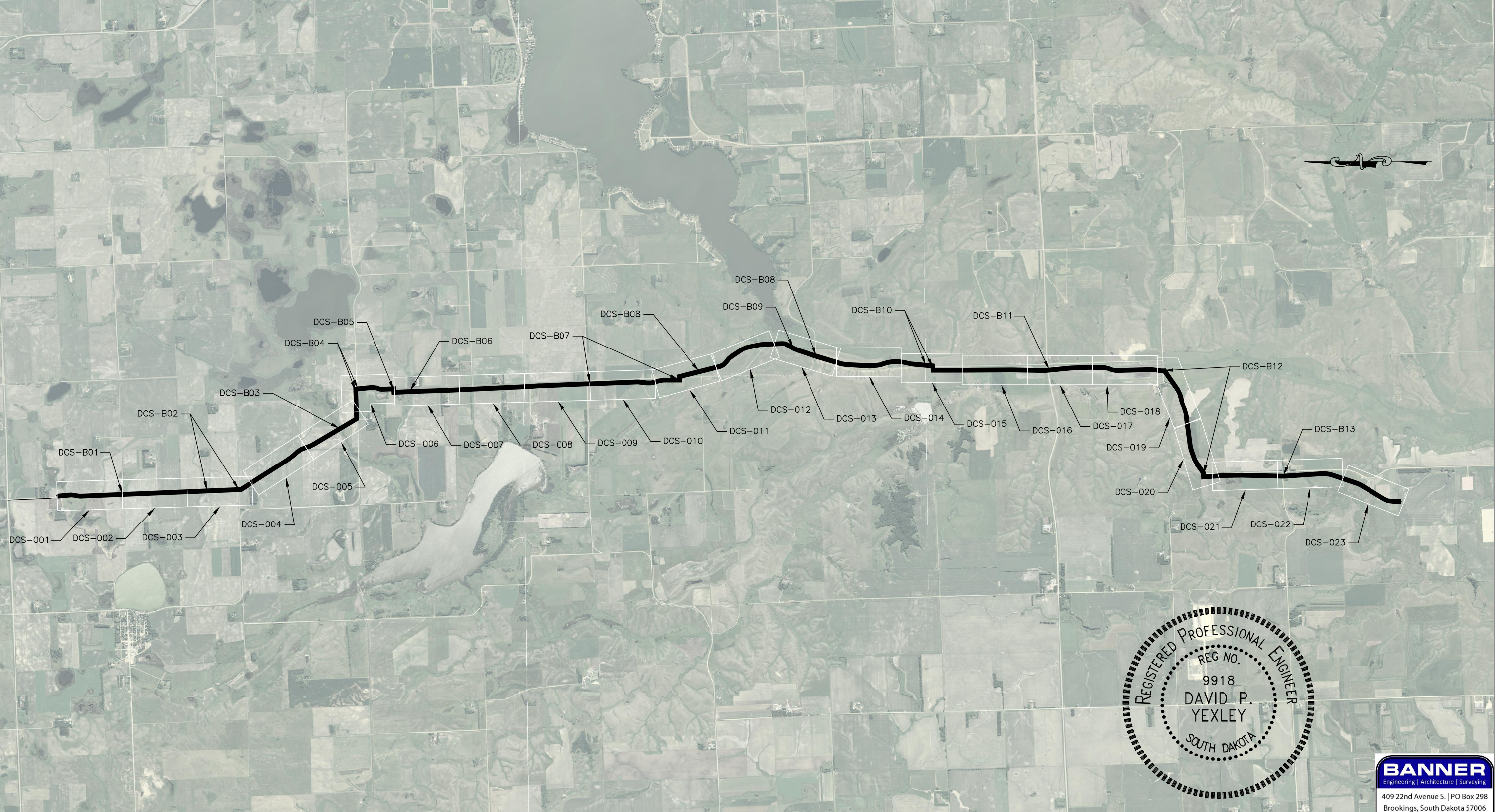
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DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA

DRAWN BY: JLU	CHECK BY: SDR	SCALE: 1" = 200'
SIGNED BY: DPY		ENGINEER
DATE: JUNE 2010		
ALIGNMENT SHEET		
ALIGN-004		

DRAWING INDEX



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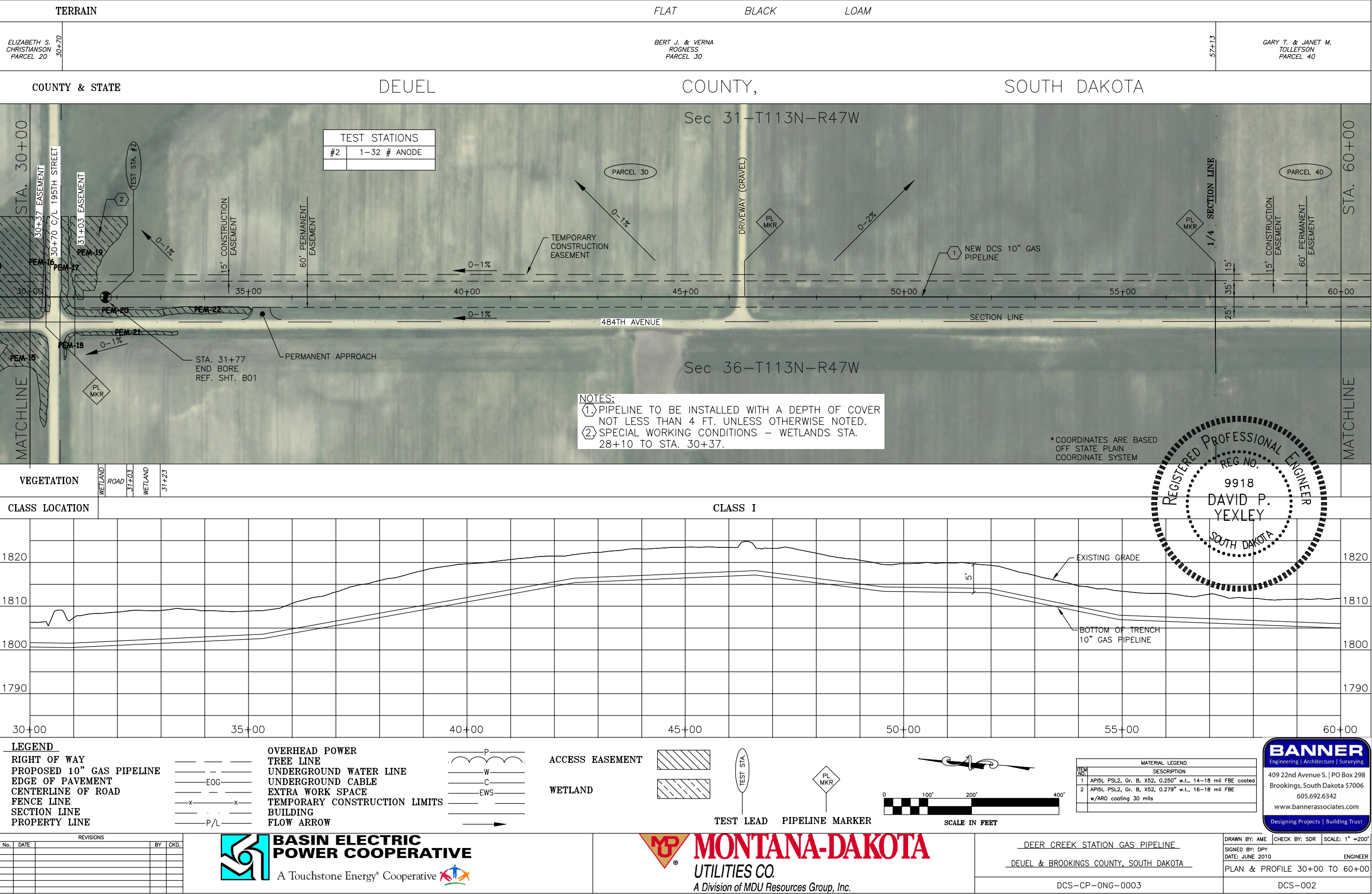
REVISIONS				
No.	DATE		BY	CHKD.

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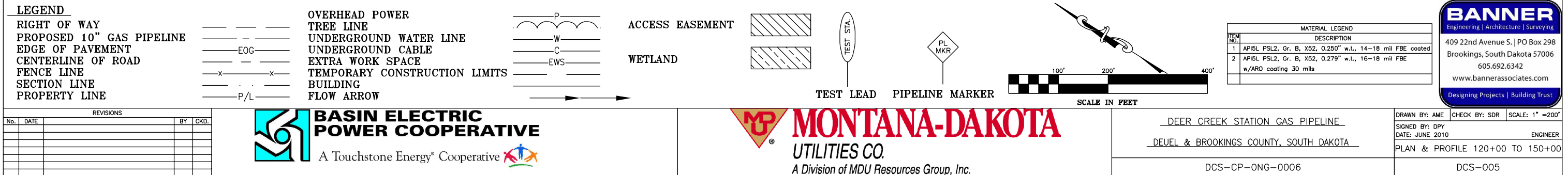
DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA
DCS-CP-ONG-0001

DRAWN BY: AME	CHECK BY: SDR	SCALE: NONE
SIGNED BY: DPY	ENGINEER	
DATE: JUNE 2010	DRAWING INDEX	
	DCS-I01	



LOAM

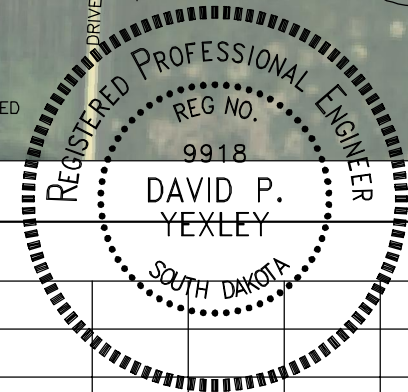
SOUTH DAKOTA



LOAM

CHRIS & JOYCE
CAUGHERTY
PARCEL 110

SOUTH DAKOTA



CLASS I



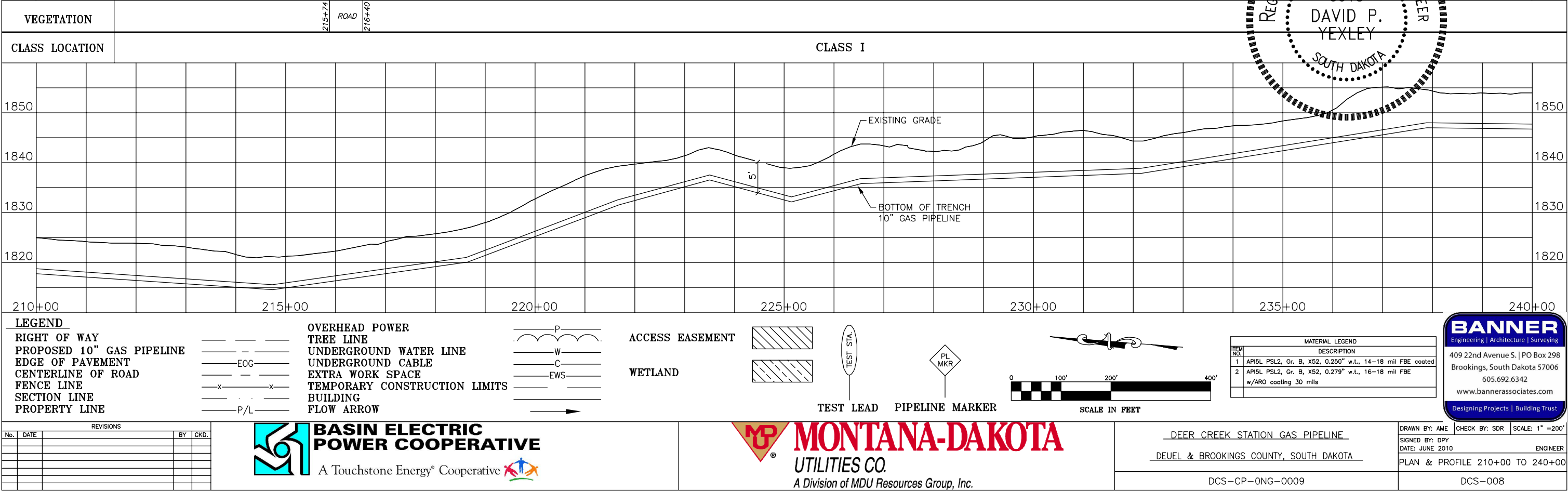
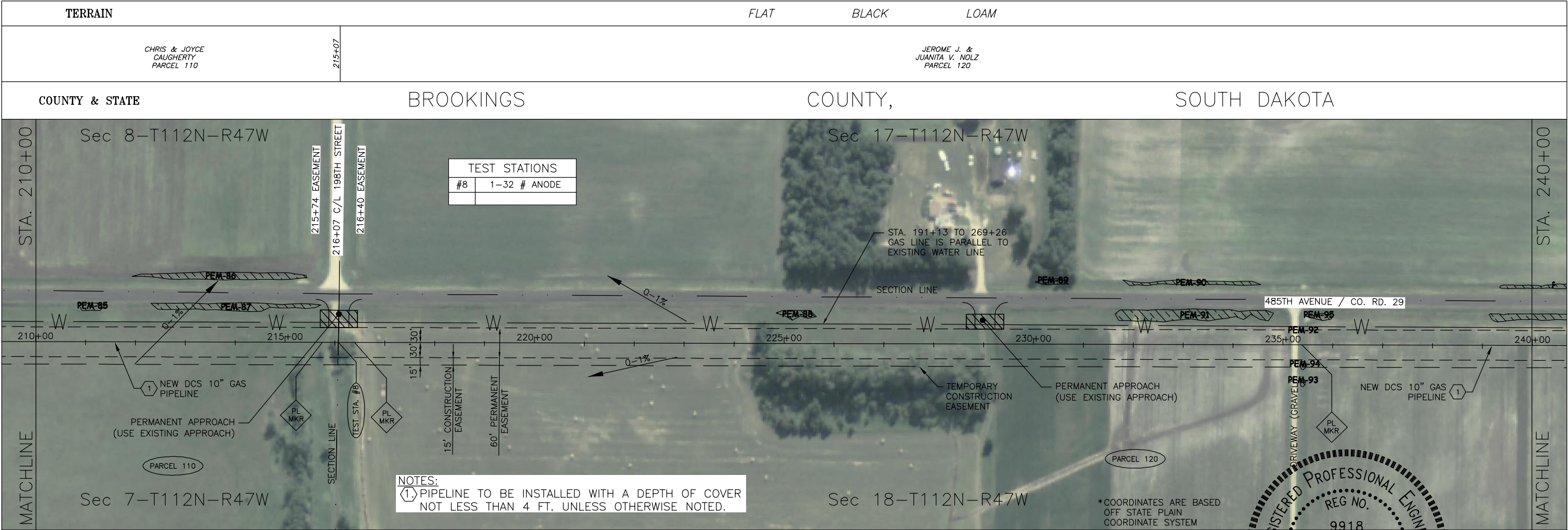
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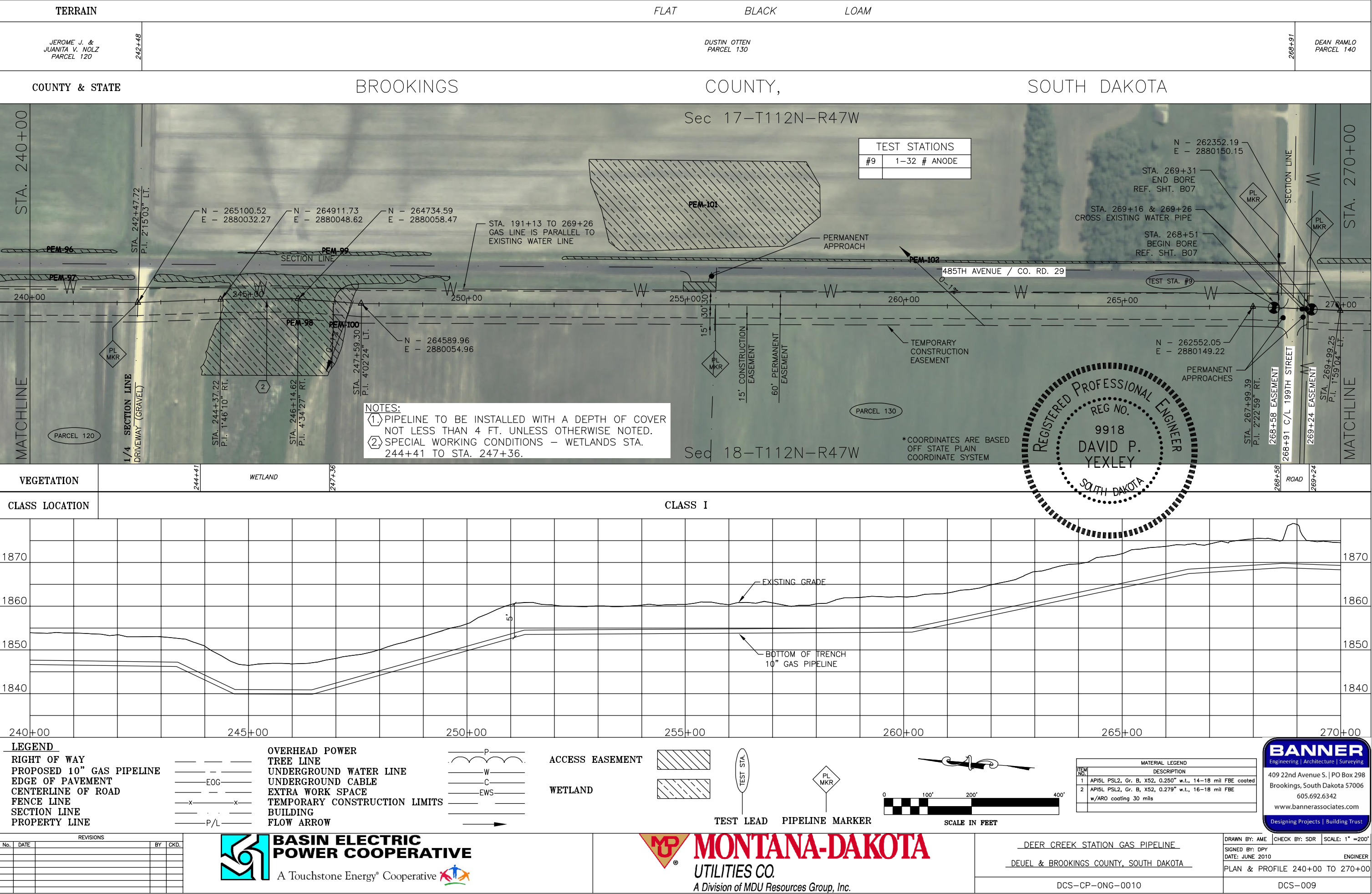
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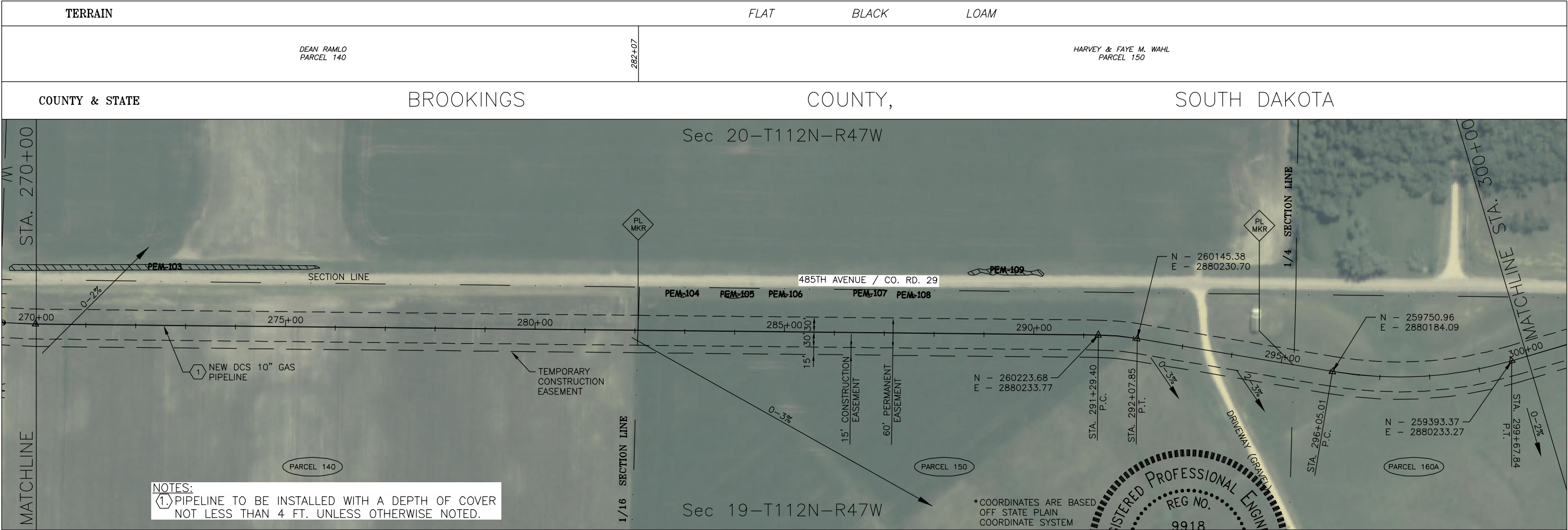
DCS-CP-ONG-0008

PLAN & PROFILE 180+00 TO 210+00

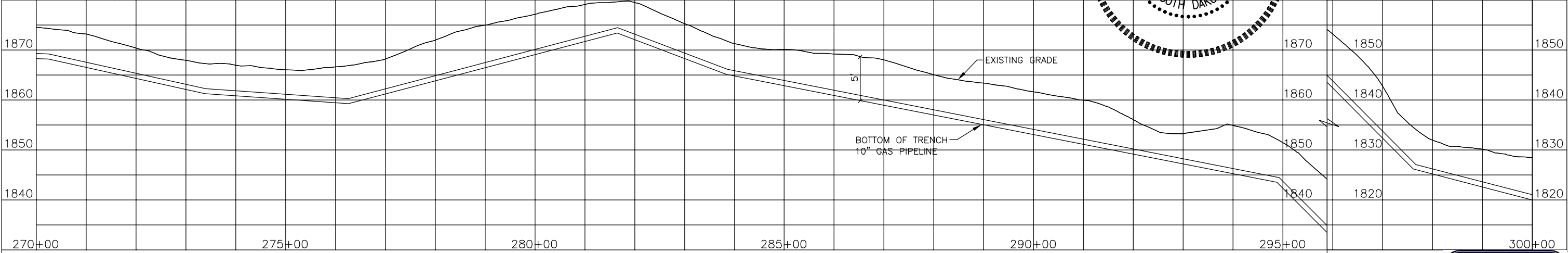
DCS-007







VEGETATION	
CLASS LOCATION	CLASS I



LEGEND

RIGHT OF WAY

PROPOSED 10" GAS PIPELINE

EDGE OF PAVEMENT

CENTERLINE OF ROAD

FENCE LINE

SECTION LINE

PROPERTY LINE

OVERHEAD POWER

TREE LINE

UNDERGROUND WATER LINE

UNDERGROUND CABLE

EXTRA WORK SPACE

TEMPORARY CONSTRUCTION LIMITS

BUILDING

FLOW ARROW

ACCESS EASEMENT

WETLAND

TEST STA.

PIPELINE MARKER

SCALE IN FEET

0 100' 200' 400'

REVISIONS			
No.	DATE	BY	CHKD.

BASIN ELECTRIC POWER COOPERATIVE

A Touchstone Energy® Cooperative

MONTANA-DAKOTA UTILITIES CO.

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DEER CREEK STATION GAS PIPELINE

DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CP-ONG-0011

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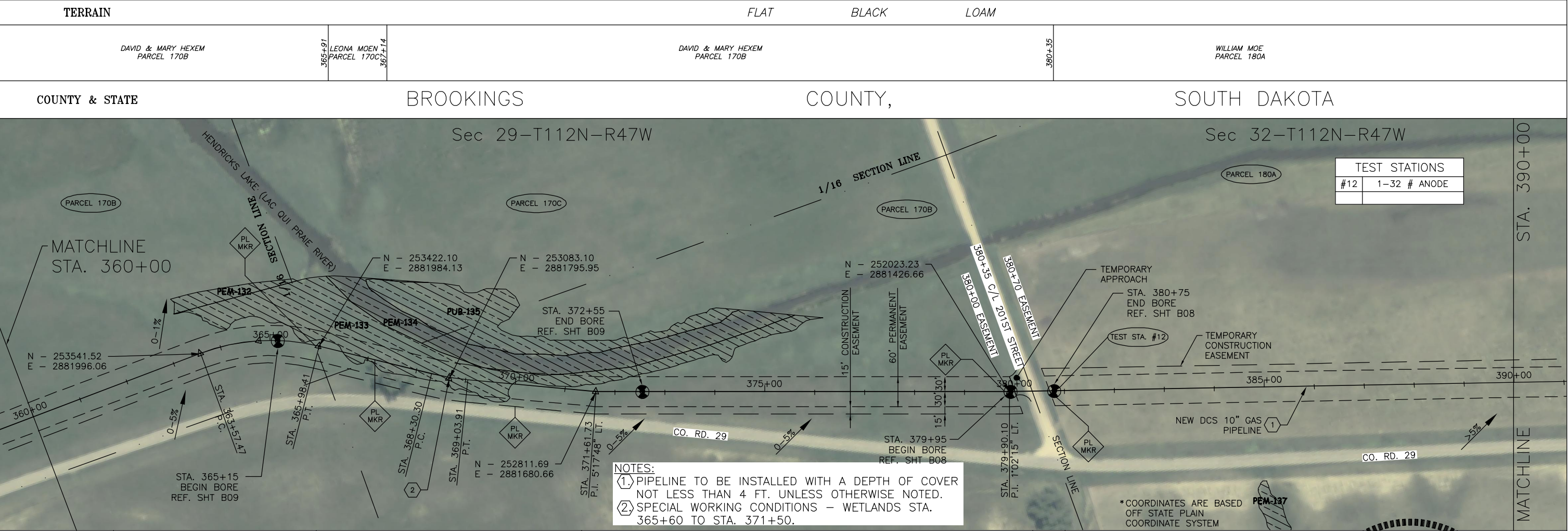
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SIGNED BY: DPY

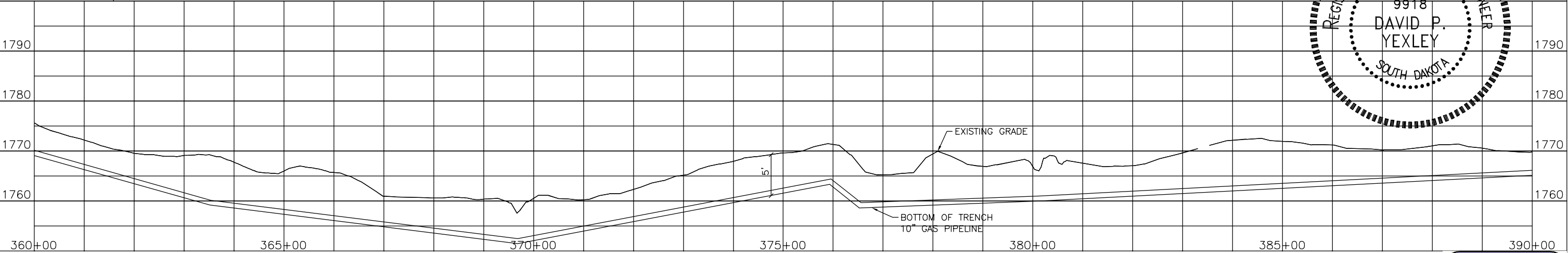
DATE: JUNE 2010

PLAN & PROFILE 270+00 TO 300+00

DCS-010



VEGETATION	WETLAND
CLASS LOCATION	CLASS I



LEGEND

RIGHT OF WAY

PROPOSED 10" GAS PIPELINE

EDGE OF PAVEMENT

CENTERLINE OF ROAD

FENCE LINE

SECTION LINE

PROPERTY LINE

OVERHEAD POWER

TREE LINE

UNDERGROUND WATER LINE

UNDERGROUND CABLE

EXTRA WORK SPACE

TEMPORARY CONSTRUCTION LIMITS

BUILDING

FLOW ARROW

ACCESS EASEMENT

WETLAND

TEST STA.

PIPELINE MARKER

SCALE IN FEET

0 100' 200' 400'

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DEER CREEK STATION GAS PIPELINE
DEVEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CP-ONG-0014

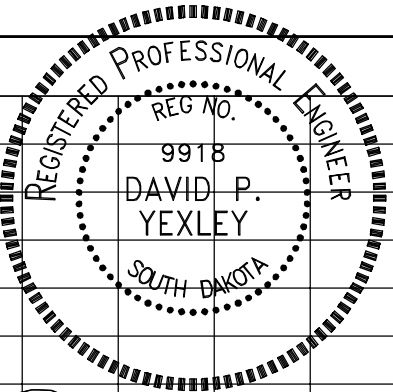
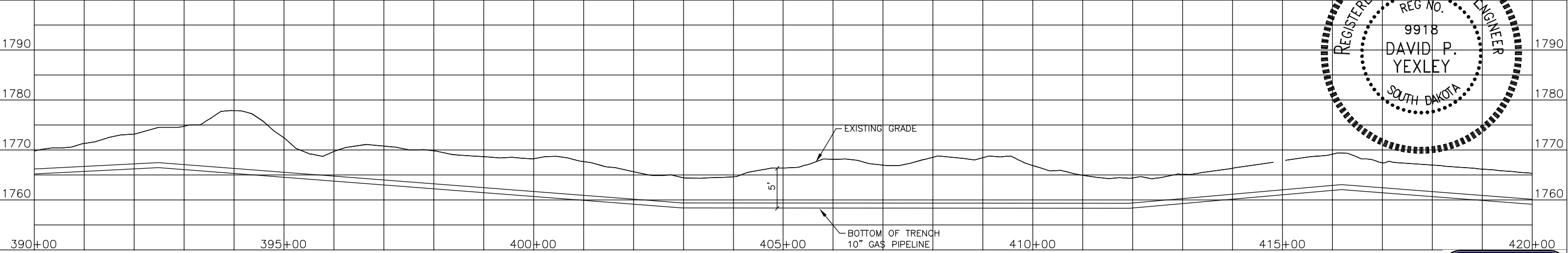
DCS-013

DRAWN BY: AME
SIGNED BY: DPY
DATE: JUNE 2010
ENGINEER

PLAN & PROFILE 360+00 TO 390+00



VEGETATION	
CLASS LOCATION	CLASS I



LEGEND

RIGHT OF WAY

PROPOSED 10" GAS PIPELINE

EDGE OF PAVEMENT

CENTERLINE OF ROAD

FENCE LINE

SECTION LINE

PROPERTY LINE

OVERHEAD POWER

TREE LINE

UNDERGROUND WATER LINE

UNDERGROUND CABLE

EXTRA WORK SPACE

TEMPORARY CONSTRUCTION LIMITS

BUILDING

FLOW ARROW

ACCESS EASEMENT

WETLAND

TEST STA.

PIPELINE MARKER

SCALE IN FEET

0 100' 200' 400'

ITEM	DESCRIPTION
1	API5L PSL2, Gr. B, X52, 0.250" w.t., 14-18 mil FBE coated
2	API5L PSL2, Gr. B, X52, 0.279" w.t., 16-18 mil FBE w/ARO coating 30 mils

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REVISIONS			BY	CHKD.
No.	DATE			

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DEER CREEK STATION GAS PIPELINE

DEVEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CP-ONG-0015

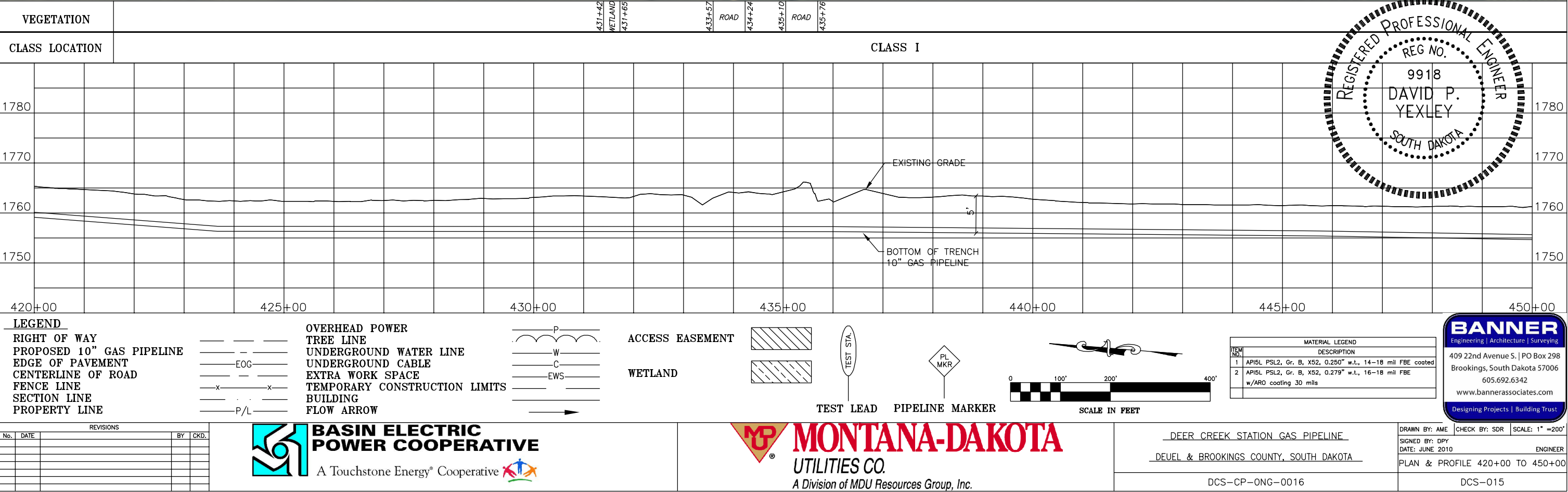
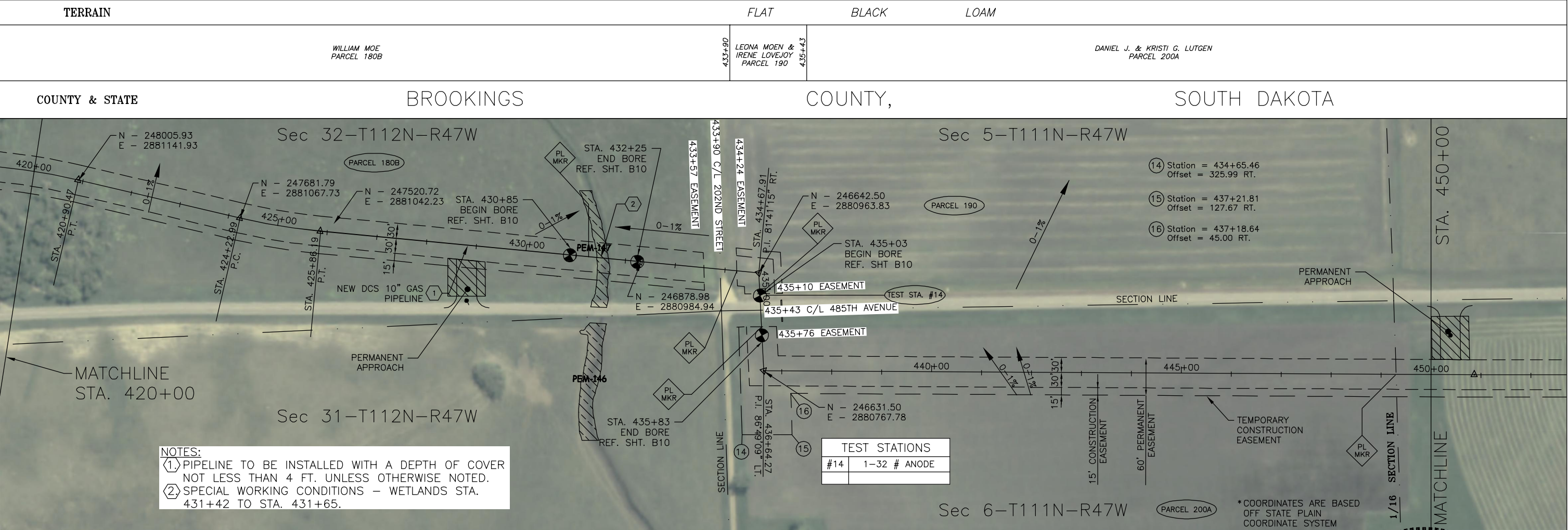
DRAWN BY: AME
SIGNED BY: DPY
DATE: JUNE 2010

CHECK BY: SDR
ENGINEER

SCALE: 1" = 200'

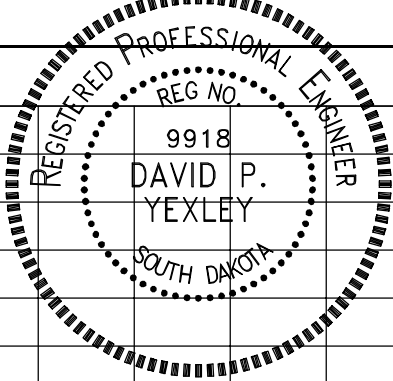
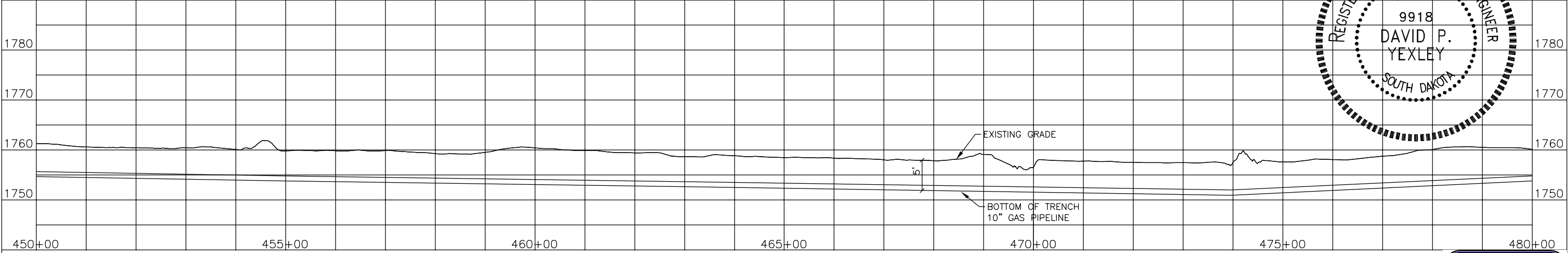
PLAN & PROFILE 390+00 TO 420+00

DCS-014





VEGETATION	453+93 WETLAND 454+16
CLASS LOCATION	CLASS I



LEGEND

RIGHT OF WAY

PROPOSED 10" GAS PIPELINE

EDGE OF PAVEMENT

CENTERLINE OF ROAD

FENCE LINE

SECTION LINE

PROPERTY LINE

OVERHEAD POWER

TREE LINE

UNDERGROUND WATER LINE

UNDERGROUND CABLE

EXTRA WORK SPACE

TEMPORARY CONSTRUCTION LIMITS

BUILDING

FLOW ARROW

ACCESS EASEMENT

WETLAND

TEST STA.

PIPELINE MARKER

SCALE IN FEET

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DEER CREEK STATION GAS PIPELINE

DEVEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CP-ONG-0017

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Designing Projects | Building Trust

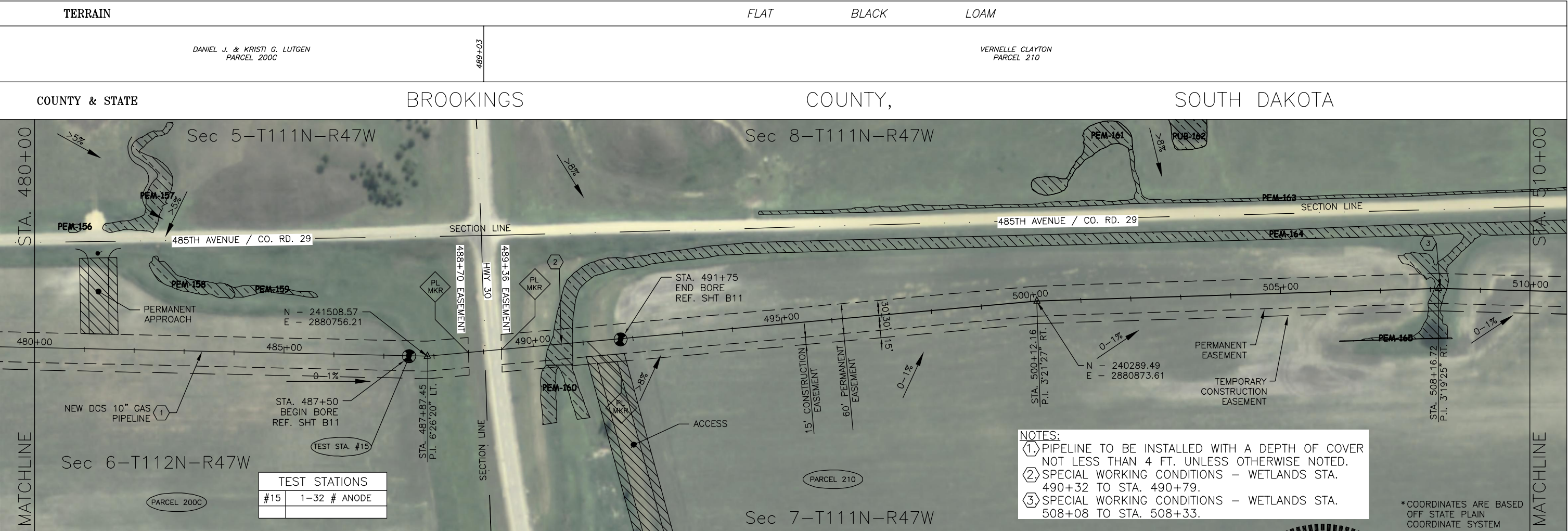
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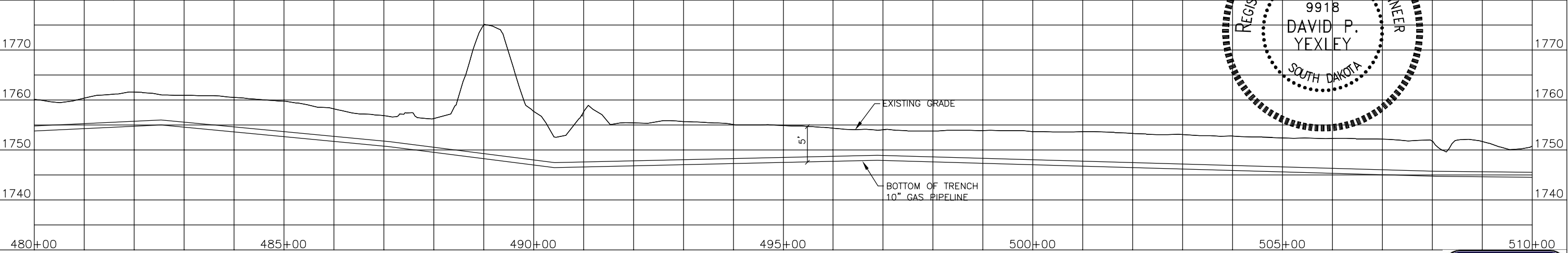
DATE: JUNE 2010

PLAN & PROFILE 450+00 TO 480+00

DCS-016



VEGETATION	ROAD	WETLAND
CLASS LOCATION	CLASS I	



LEGEND

RIGHT OF WAY

PROPOSED 10" GAS PIPELINE

EDGE OF PAVEMENT

CENTERLINE OF ROAD

FENCE LINE

SECTION LINE

PROPERTY LINE

OVERHEAD POWER

TREE LINE

UNDERGROUND WATER LINE

UNDERGROUND CABLE

EXTRA WORK SPACE

TEMPORARY CONSTRUCTION LIMITS

BUILDING

FLOW ARROW

ACCESS EASEMENT

WETLAND

TEST LEAD

PIPELINE MARKER

SCALE IN FEET

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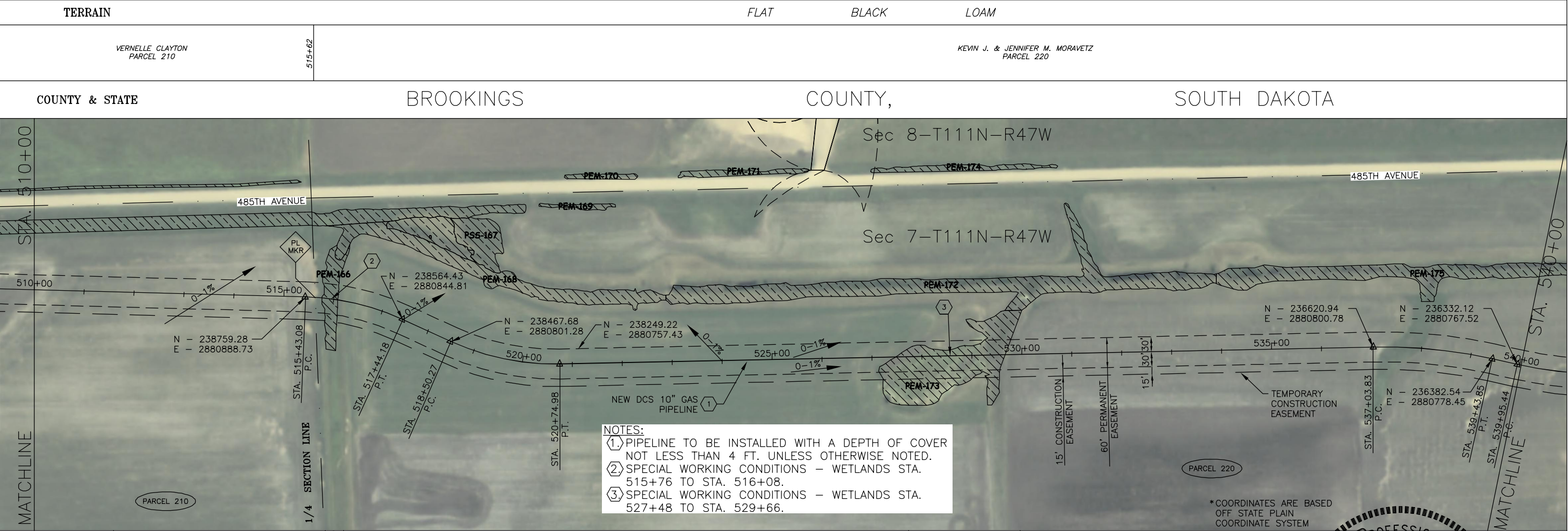
Designing Projects | Building Trust

DEER CREEK STATION GAS PIPELINE

DEVEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CP-ONG-0018

DCS-017



VEGETATION	515+76 WETLAND 516+08	527+48 WETLAND 529+66
CLASS LOCATION	CLASS I	



LEGEND

RIGHT OF WAY

PROPOSED 10" GAS PIPELINE

EDGE OF PAVEMENT

CENTERLINE OF ROAD

FENCE LINE

SECTION LINE

PROPERTY LINE

OVERHEAD POWER

TREE LINE

UNDERGROUND WATER LINE

UNDERGROUND CABLE

EXTRA WORK SPACE

TEMPORARY CONSTRUCTION LIMITS

BUILDING

FLOW ARROW

ACCESS EASEMENT

WETLAND

TEST STA.

PIPELINE MARKER

SCALE IN FEET

0 100' 200' 400'

BASIN ELECTRIC POWER COOPERATIVE

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DEER CREEK STATION GAS PIPELINE

DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CP-ONG-0019

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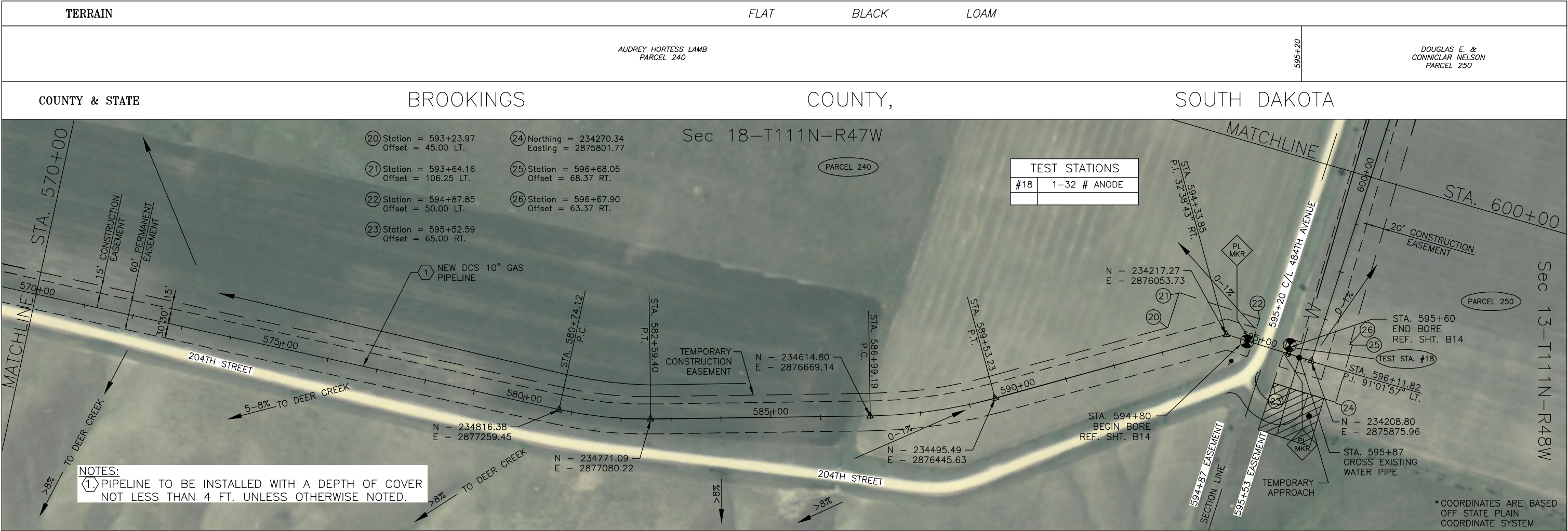
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SIGNED BY: DPY

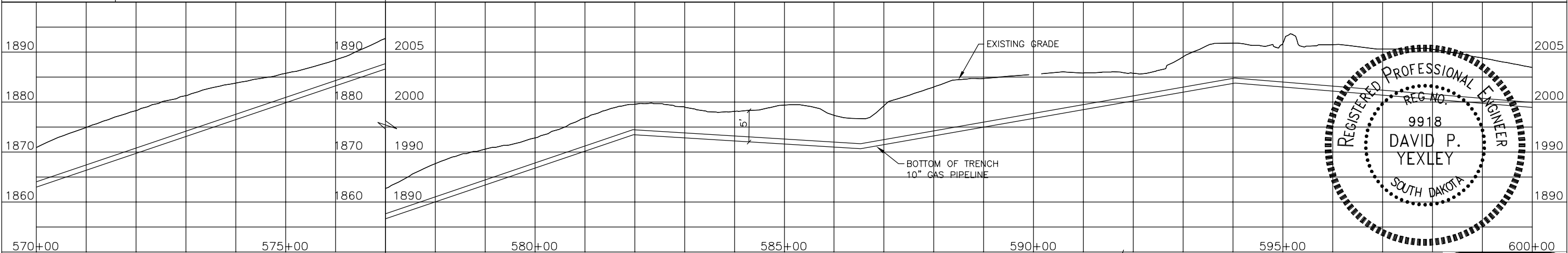
DATE: JUNE 2010

PLAN & PROFILE 510+00 TO 540+00

DCS-018



VEGETATION	
CLASS LOCATION	CLASS I



LEGEND

RIGHT OF WAY
PROPOSED 10" GAS PIPELINE
EDGE OF PAVEMENT
CENTERLINE OF ROAD
FENCE LINE
SECTION LINE
PROPERTY LINE

OVERHEAD POWER
TREE LINE
UNDERGROUND WATER LINE
UNDERGROUND CABLE
EXTRA WORK SPACE
TEMPORARY CONSTRUCTION LIMITS
BUILDING
FLOW ARROW

ACCESS EASEMENT
WETLAND

TEST STA.
PIPELINE MARKER

SCALE IN FEET

0 100' 200' 400'

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DEER CREEK STATION GAS PIPELINE
DEVEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CP-ONG-0021

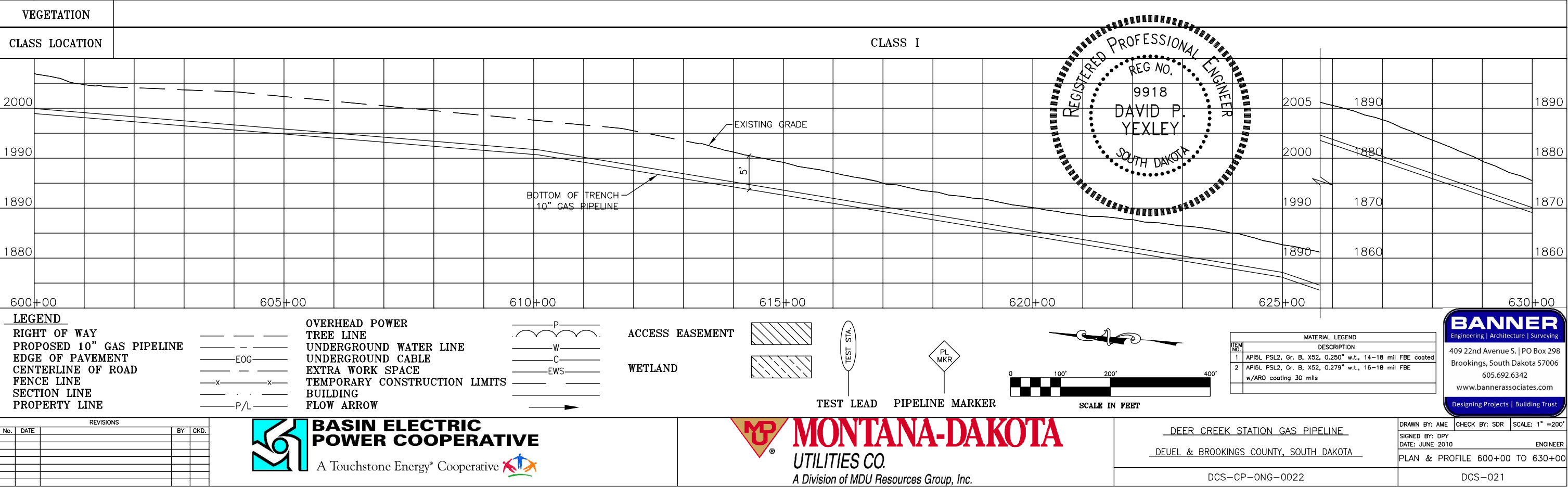
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SIGNED BY: DPY
DATE: JUNE 2010

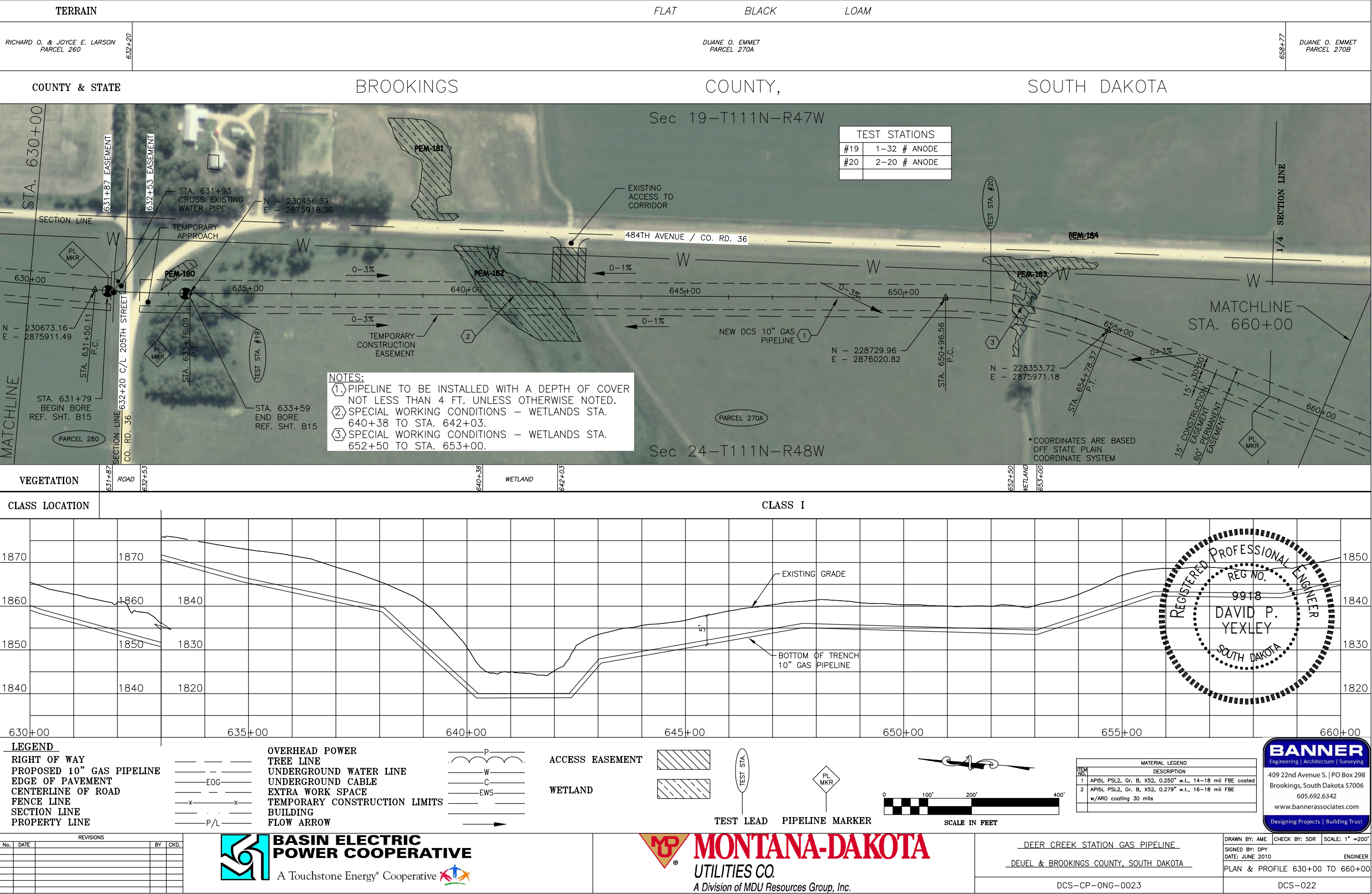
CHECK BY: SDR
ENGINEER

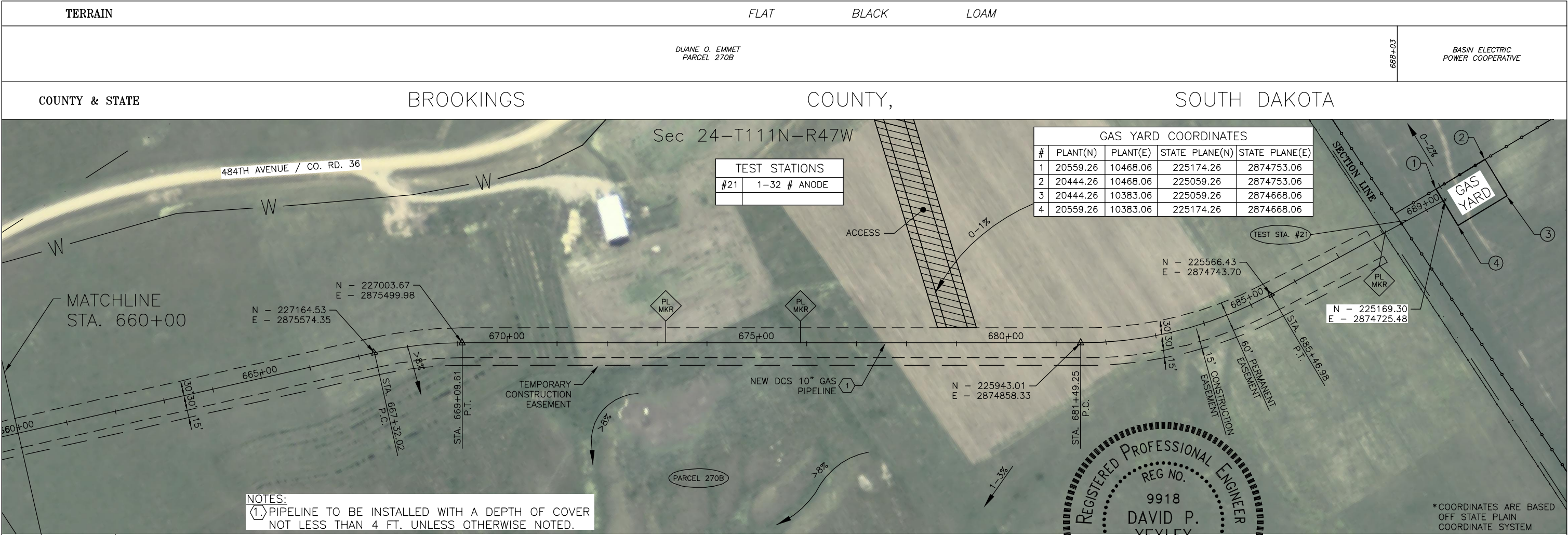
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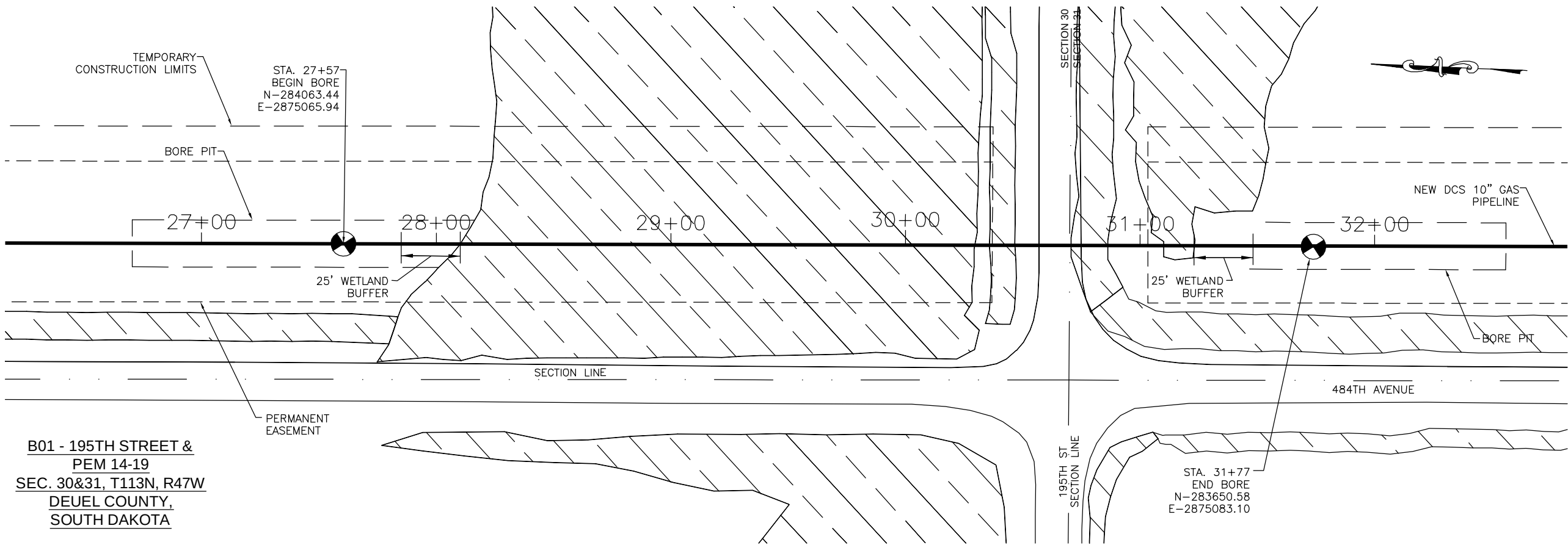
PLAN & PROFILE 570+00 TO 600+00

DCS-020

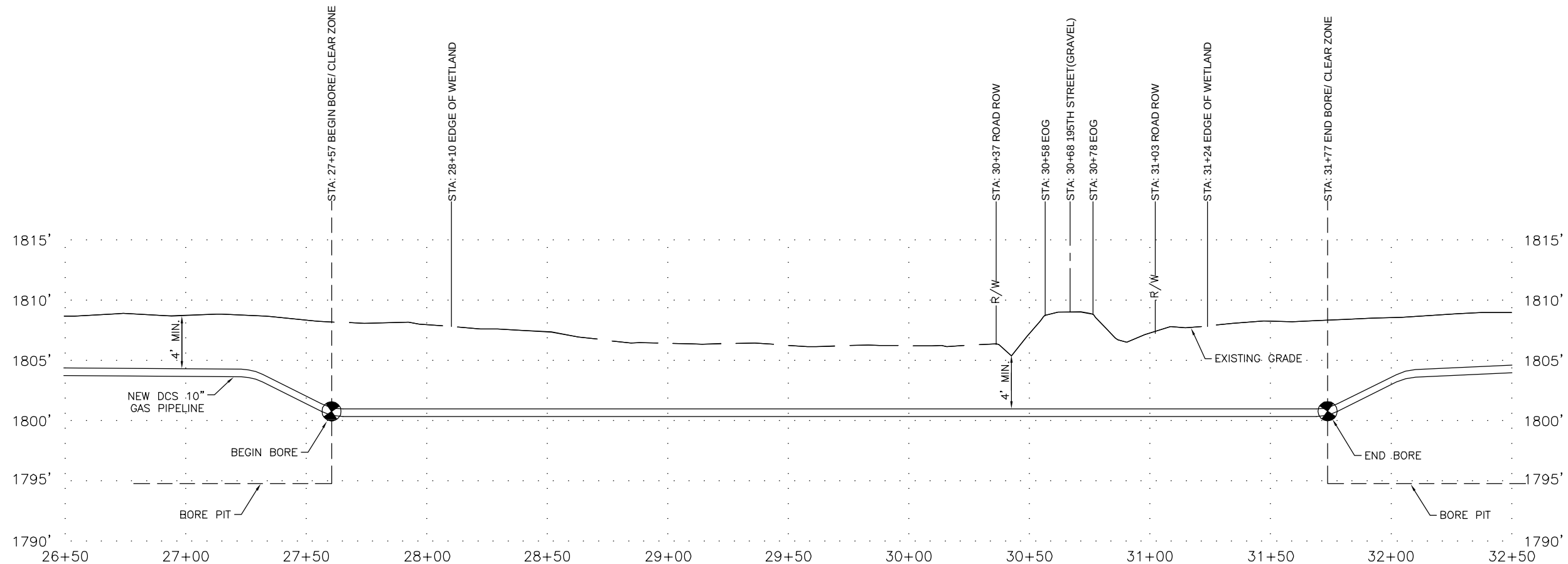








B01 - 195TH STREET &
PEM 14-19
SEC. 30&31, T113N, R47W
DEUEL COUNTY,
SOUTH DAKOTA

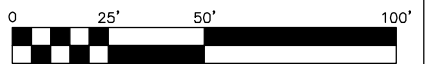


NOTE:
BEARINGS AND DISTANCES ARE BASED
ON THE SOUTH DAKOTA STATE PLANE
COORDINATE SYSTEM, NORTH ZONE -
NAD83 (US SURVEY FEET)

LAND DIMENSION INFORMATION FOR THIS
EXHIBIT WAS DERIVED FROM LAND
SURVEY DATA.

ALL UNDERGROUND UTILITIES ARE SHOWN
IN GENERAL LOCATION. CONTRACTOR TO
FIELD VERIFY PRIOR TO CONSTRUCTION.

SEE PLAN AND PROFILE SHEETS FOR
LEGEND.



SCALE IN FEET

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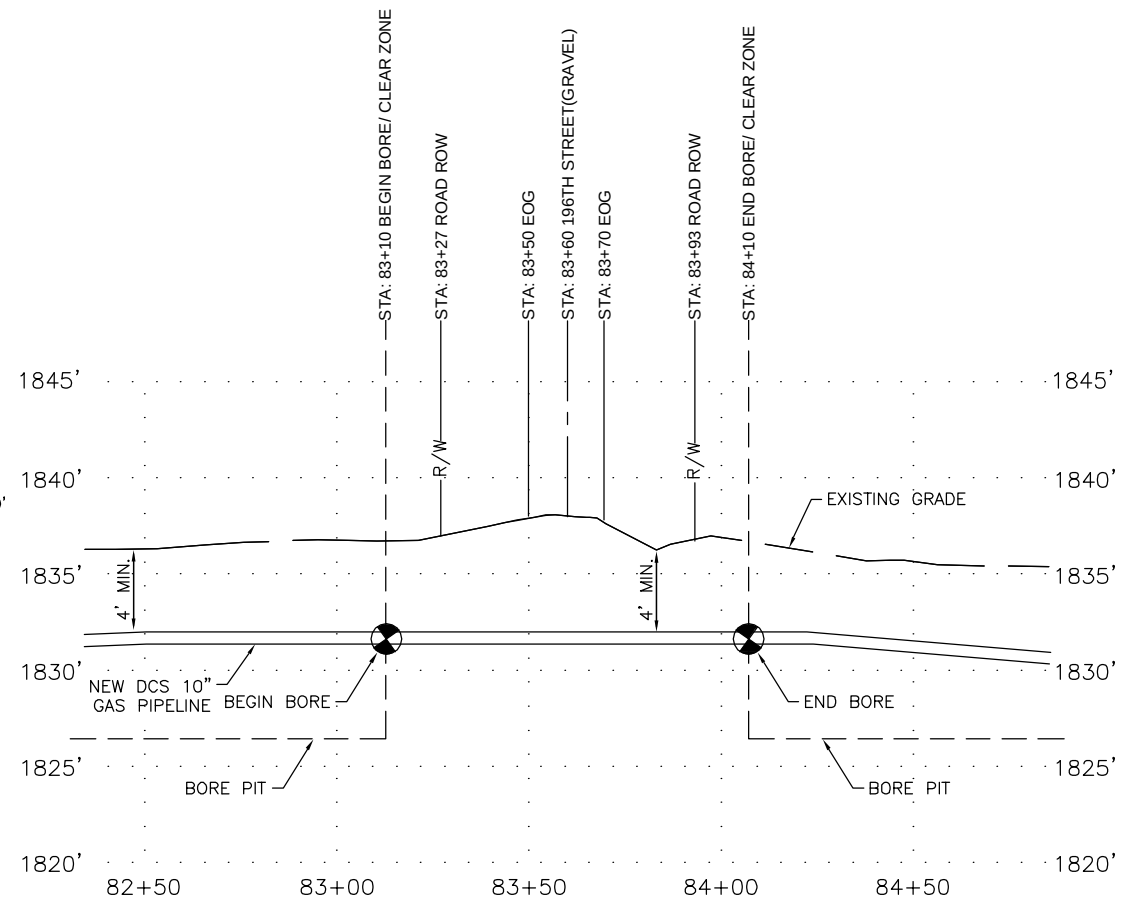
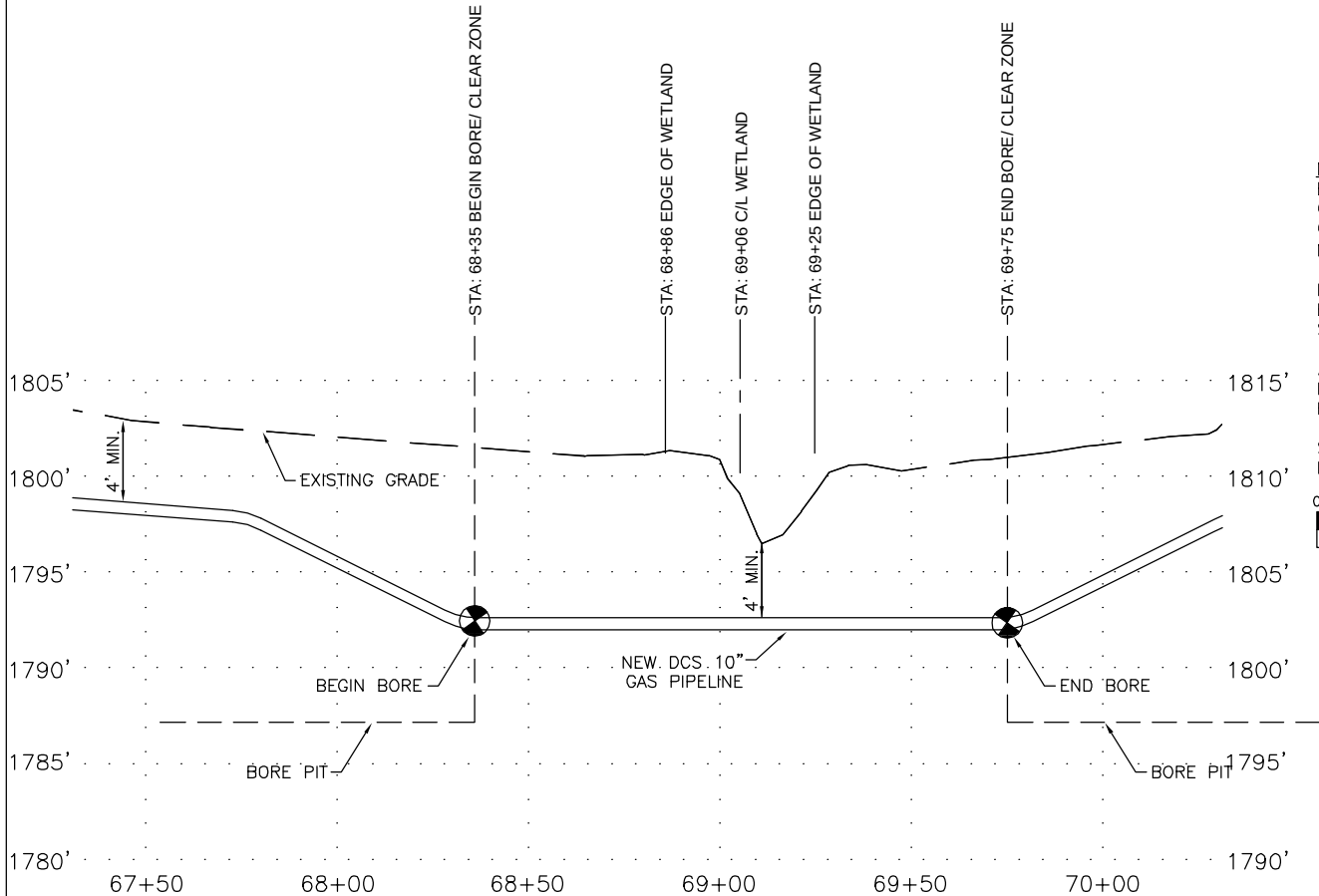
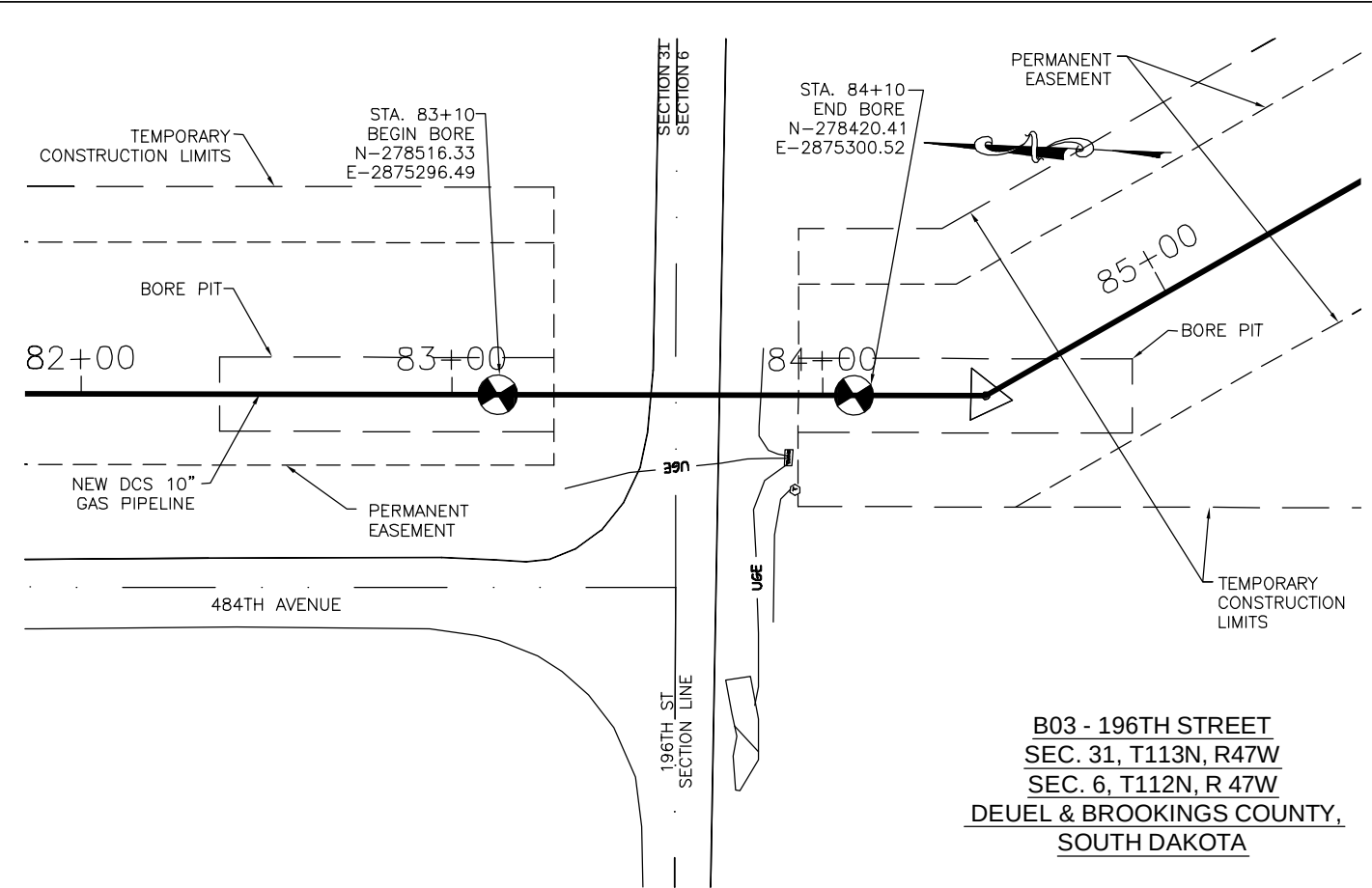
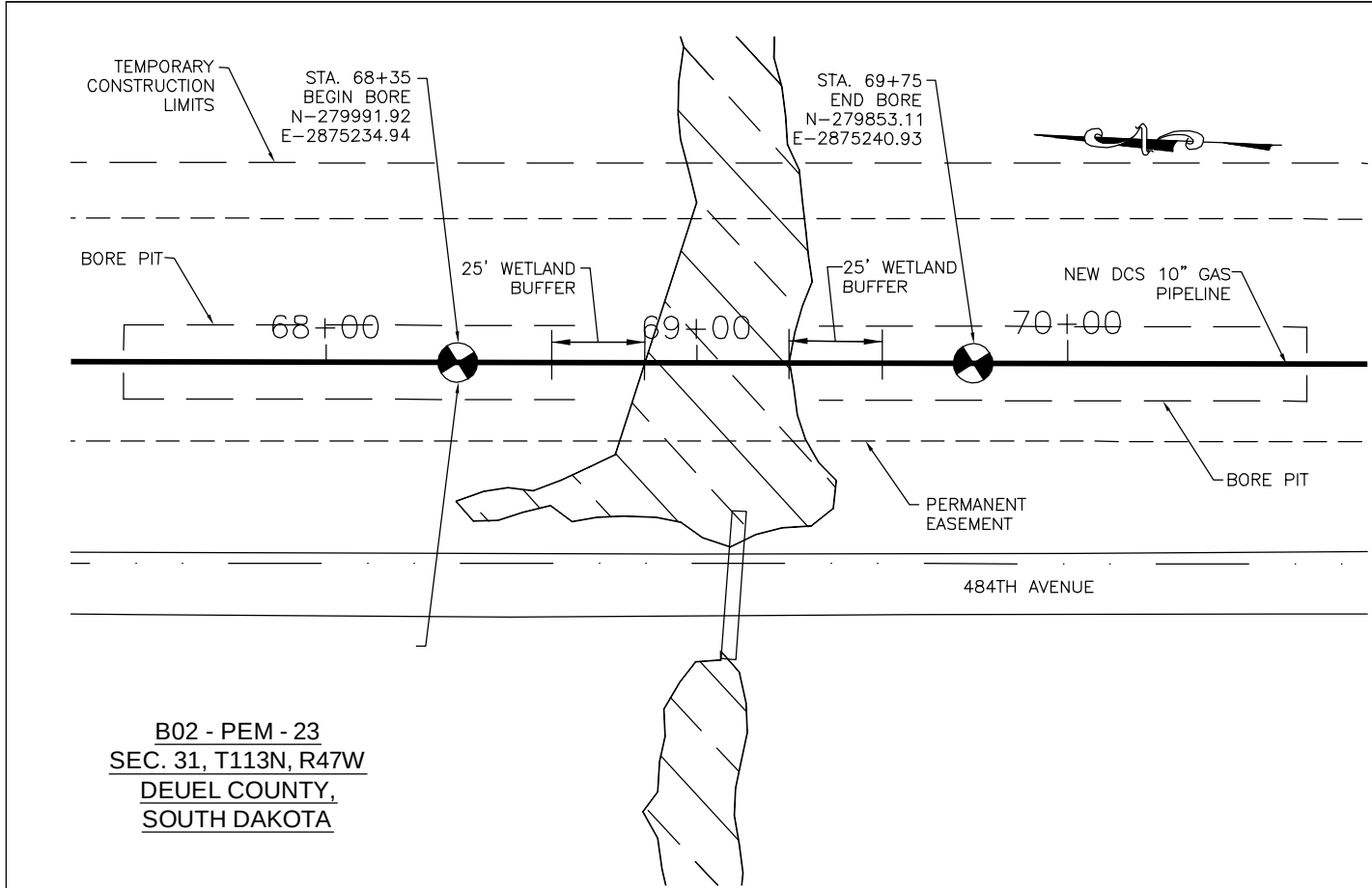
REVISIONS			BY	GKD.
No.	DATE			

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DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA
DCS-CD-ONG-0001

DRAWN BY: AME	CHECK BY: SDR	SCALE: 1" = 50'
SIGNED BY: DPY	ENGINEER	
DATE: JUNE 2010	GAS PIPELINE BORING - B01 AT WETLAND & 195TH STREET	
		DCS-B01

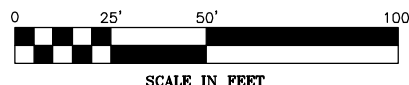


NOTE:
BEARINGS AND DISTANCES ARE BASED
ON THE SOUTH DAKOTA STATE PLANE
COORDINATE SYSTEM, NORTH ZONE -
NAD83 (US SURVEY FEET)

LAND DIMENSION INFORMATION FOR THIS
EXHIBIT WAS DERIVED FROM LAND
SURVEY DATA.

ALL UNDERGROUND UTILITIES ARE SHOWN
IN GENERAL LOCATION. CONTRACTOR TO
FIELD VERIFY PRIOR TO CONSTRUCTION.

SEE PLAN AND PROFILE SHEETS FOR
LEGEND.



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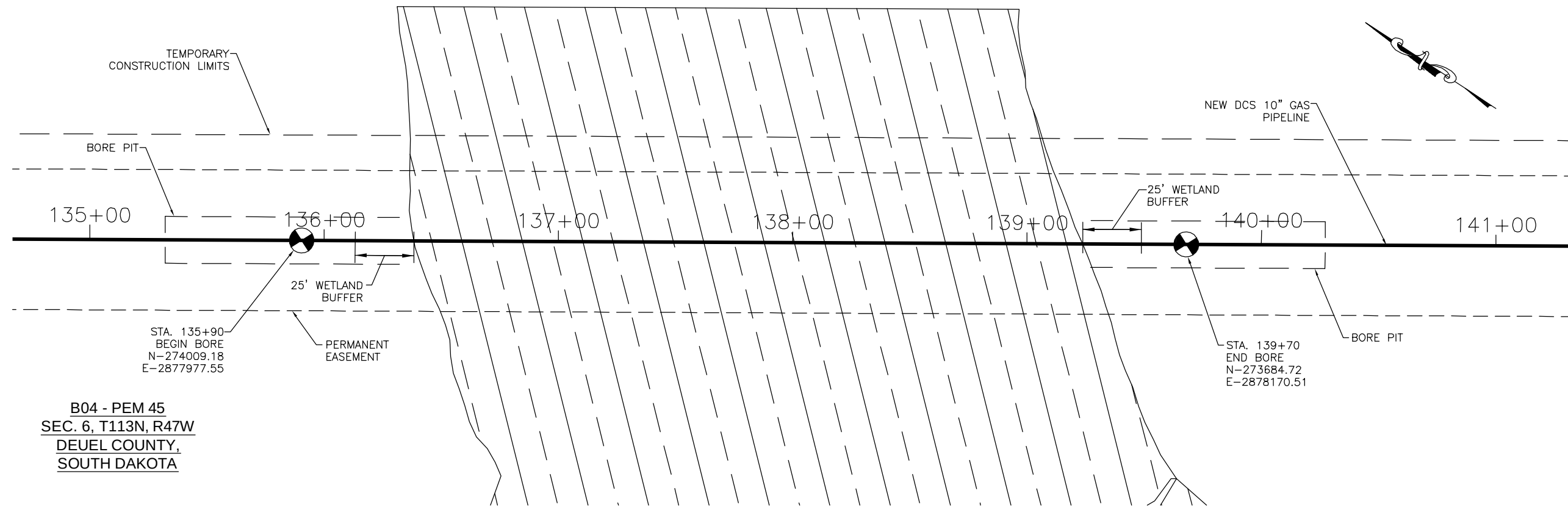
REVISIONS			
No.	DATE	BY	GKD.

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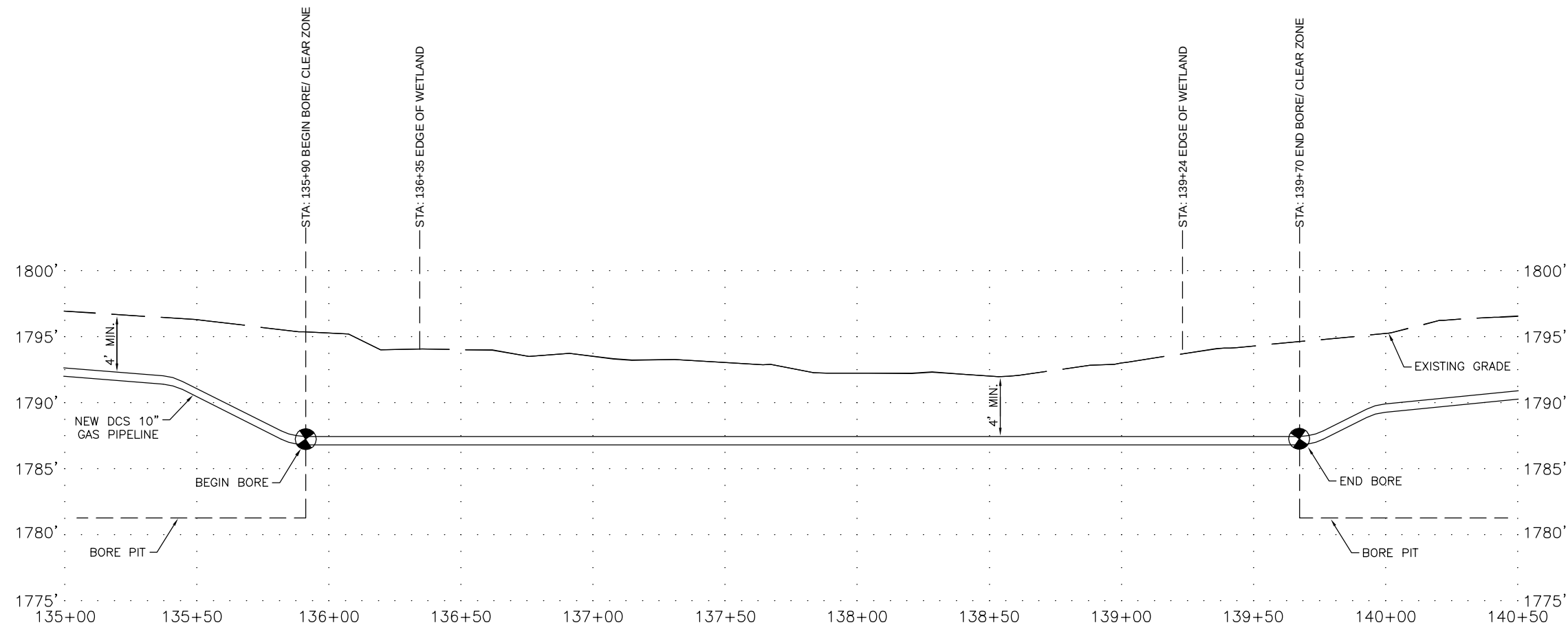
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DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA
DCS-CD-ONG-0002

DRAWN BY: AME	CHECK BY: SDR	SCALE: 1" = 50'
SIGNED BY: DPY	ENGINEER	
DATE: JUNE 2010	GAS PIPELINE BORING - B02 AT WETLAND & B03 AT 196TH STREET	
DCS-B02		



B04 - PEM 45
SEC. 6, T113N, R47W
DEUEL COUNTY,
SOUTH DAKOTA

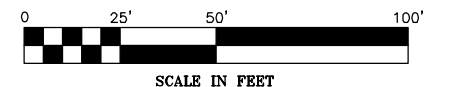


NOTE:
BEARINGS AND DISTANCES ARE BASED
ON THE SOUTH DAKOTA STATE PLANE
COORDINATE SYSTEM, NORTH ZONE -
NAD83 (US SURVEY FEET)

LAND DIMENSION INFORMATION FOR THIS
EXHIBIT WAS DERIVED FROM LAND
SURVEY DATA.

ALL UNDERGROUND UTILITIES ARE SHOWN
IN GENERAL LOCATION. CONTRACTOR TO
FIELD VERIFY PRIOR TO CONSTRUCTION.

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LEGEND.



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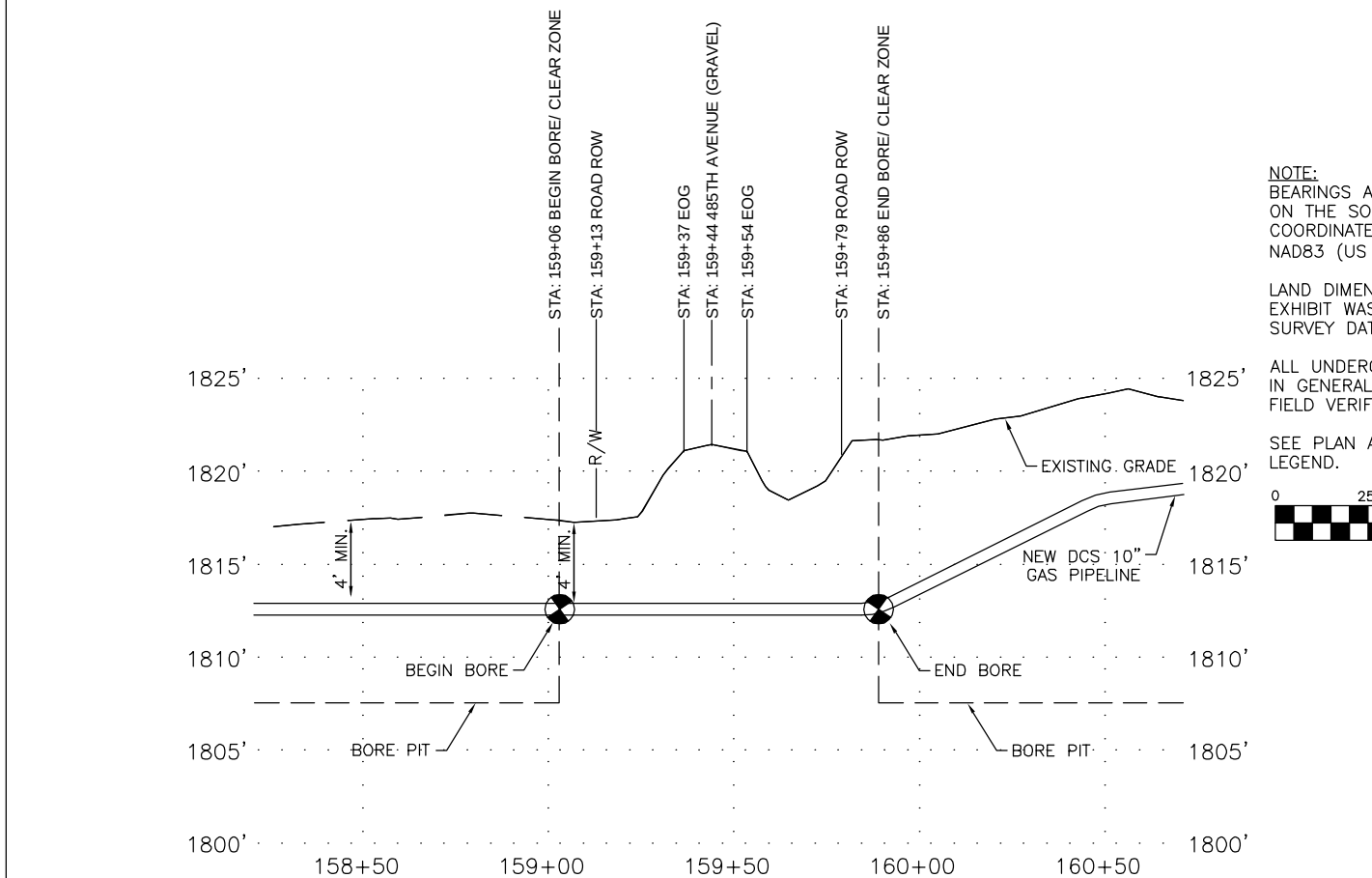
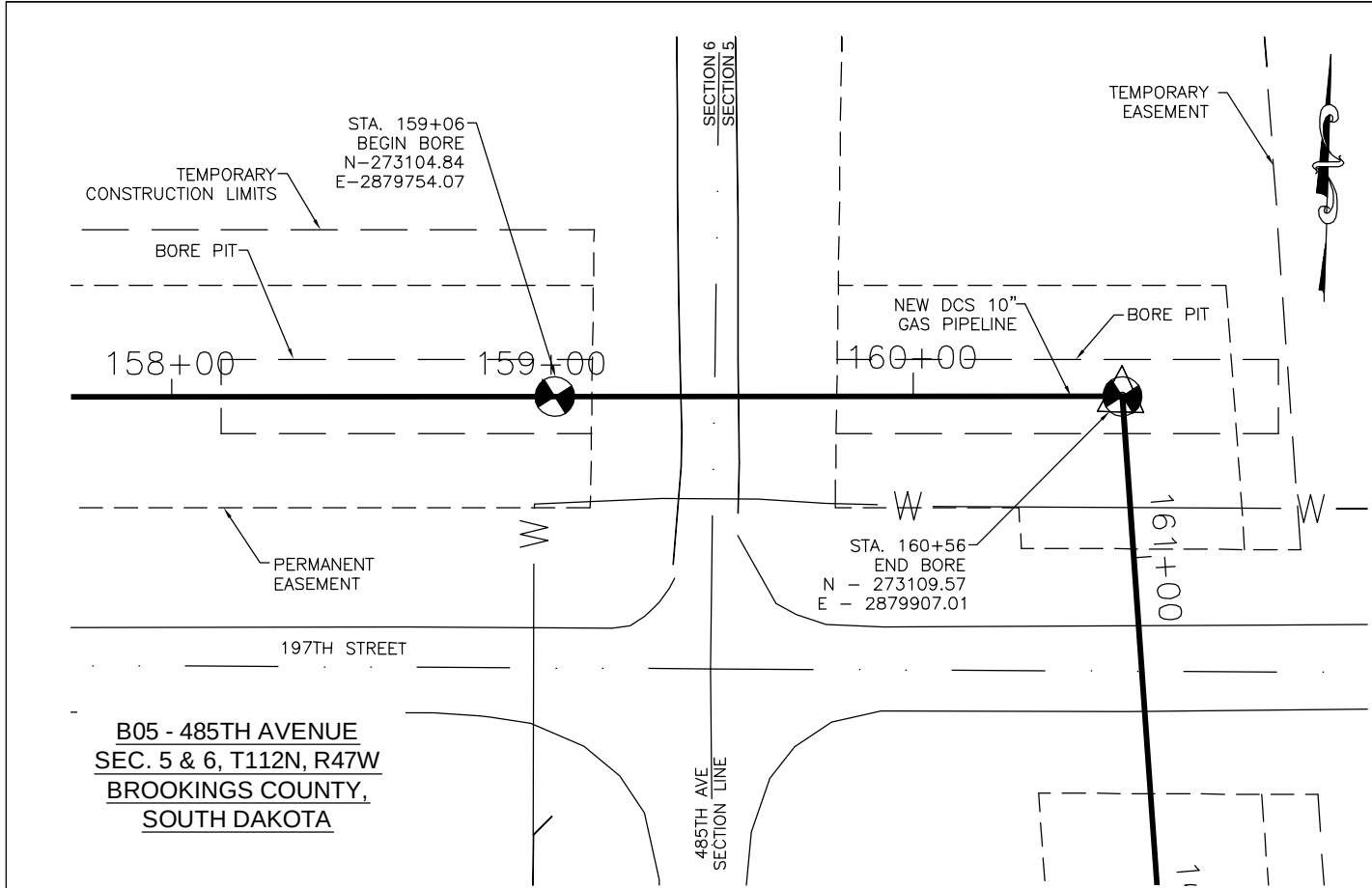
REVISIONS				BY	CHKD.
No.	DATE				

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DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA
DCS-CD-ONG-0003

DRAWN BY: AME	CHECK BY: SDR	SCALE: 1" = 50'
SIGNED BY: DPY	ENGINEER	
DATE: JUNE 2010	GAS PIPELINE BORING - B04 AT WETLAND	
DCS-B03		



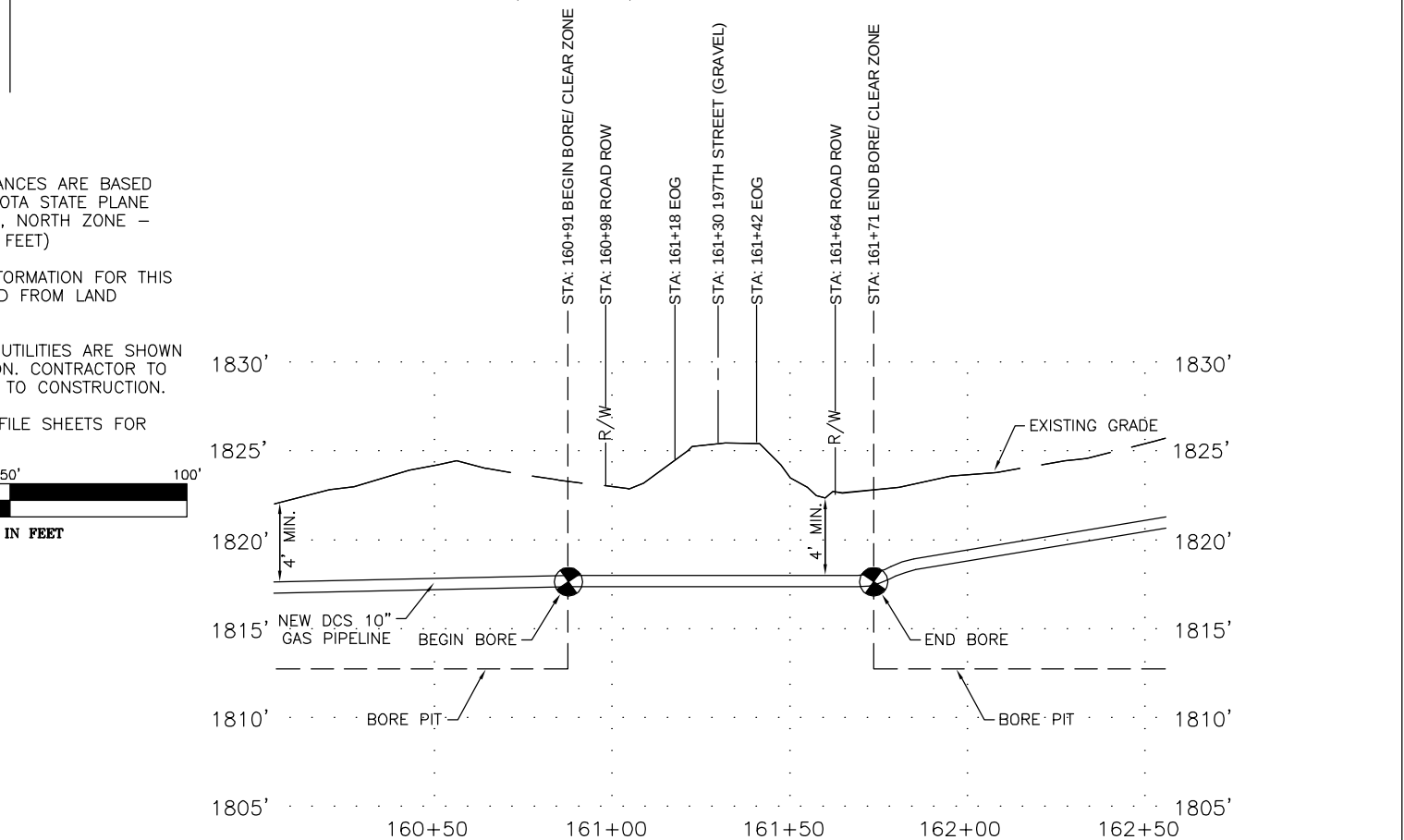
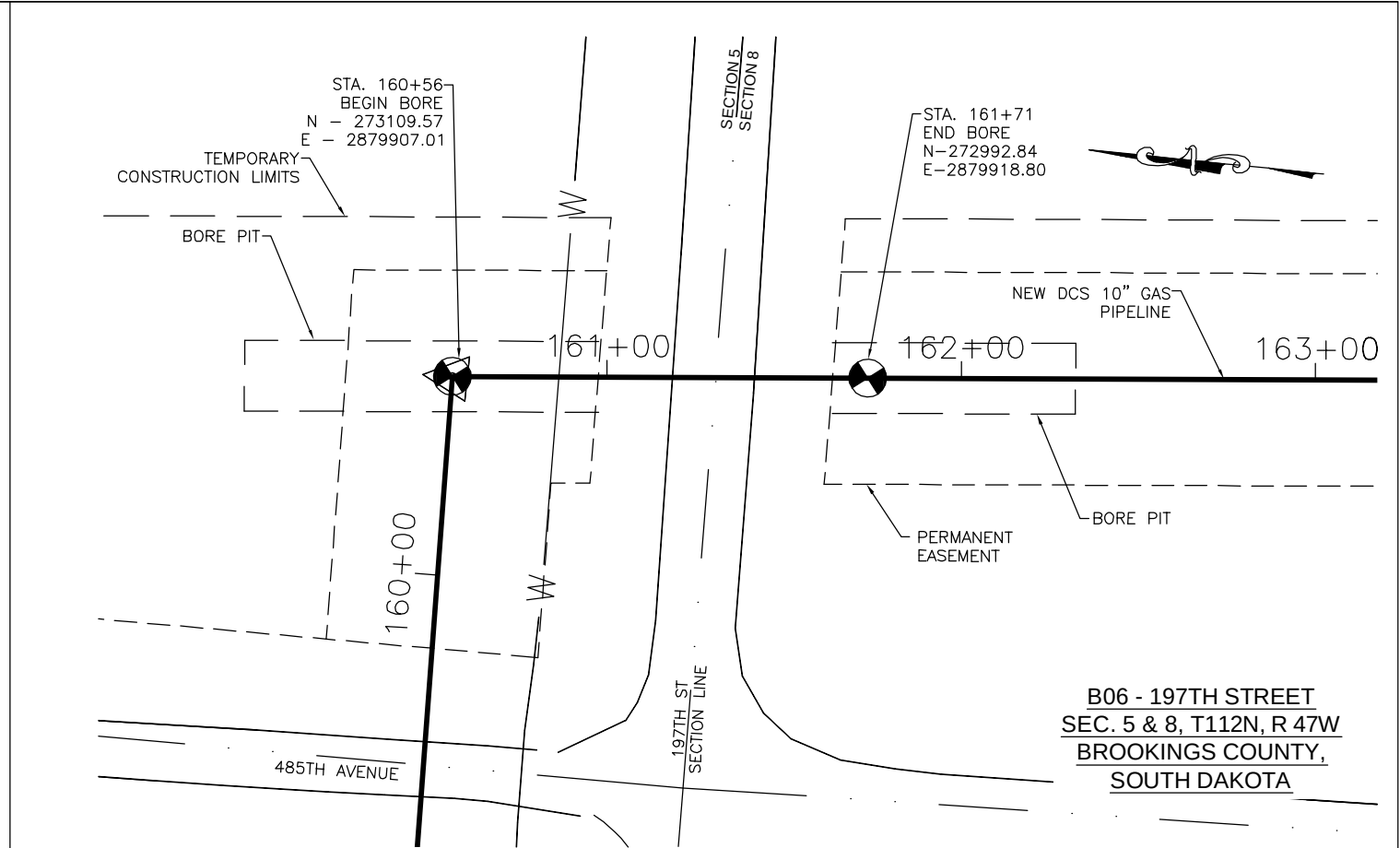
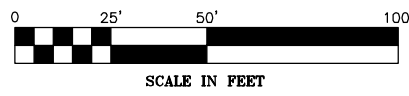
REVISIONS				
No.	DATE	BY	CHKD.	

NOTE:
BEARINGS AND DISTANCES ARE BASED ON THE SOUTH DAKOTA STATE PLANE COORDINATE SYSTEM, NORTH ZONE - NAD83 (US SURVEY FEET)

LAND DIMENSION INFORMATION FOR THIS EXHIBIT WAS DERIVED FROM LAND SURVEY DATA.

ALL UNDERGROUND UTILITIES ARE SHOWN IN GENERAL LOCATION. CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION.

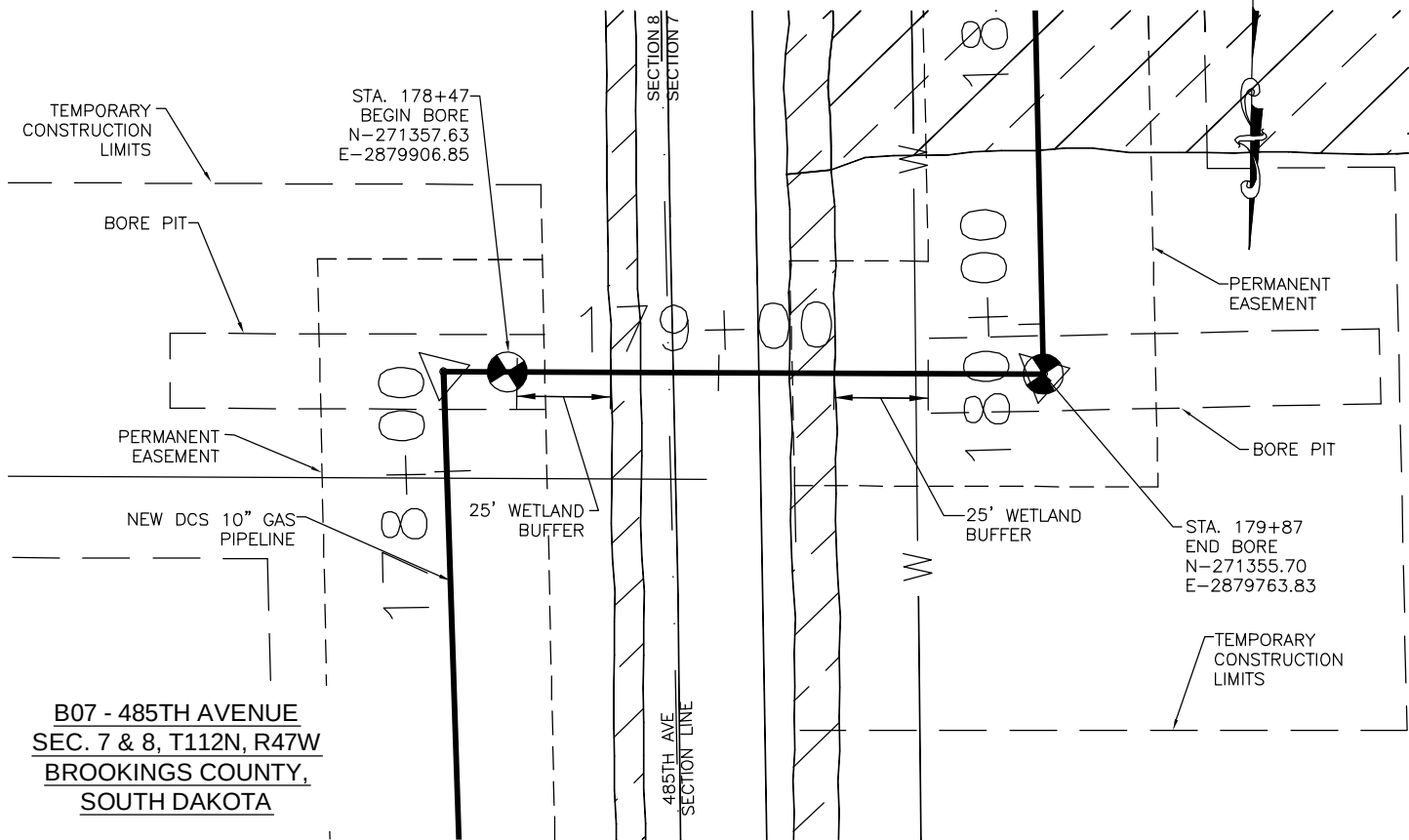
SEE PLAN AND PROFILE SHEETS FOR LEGEND.



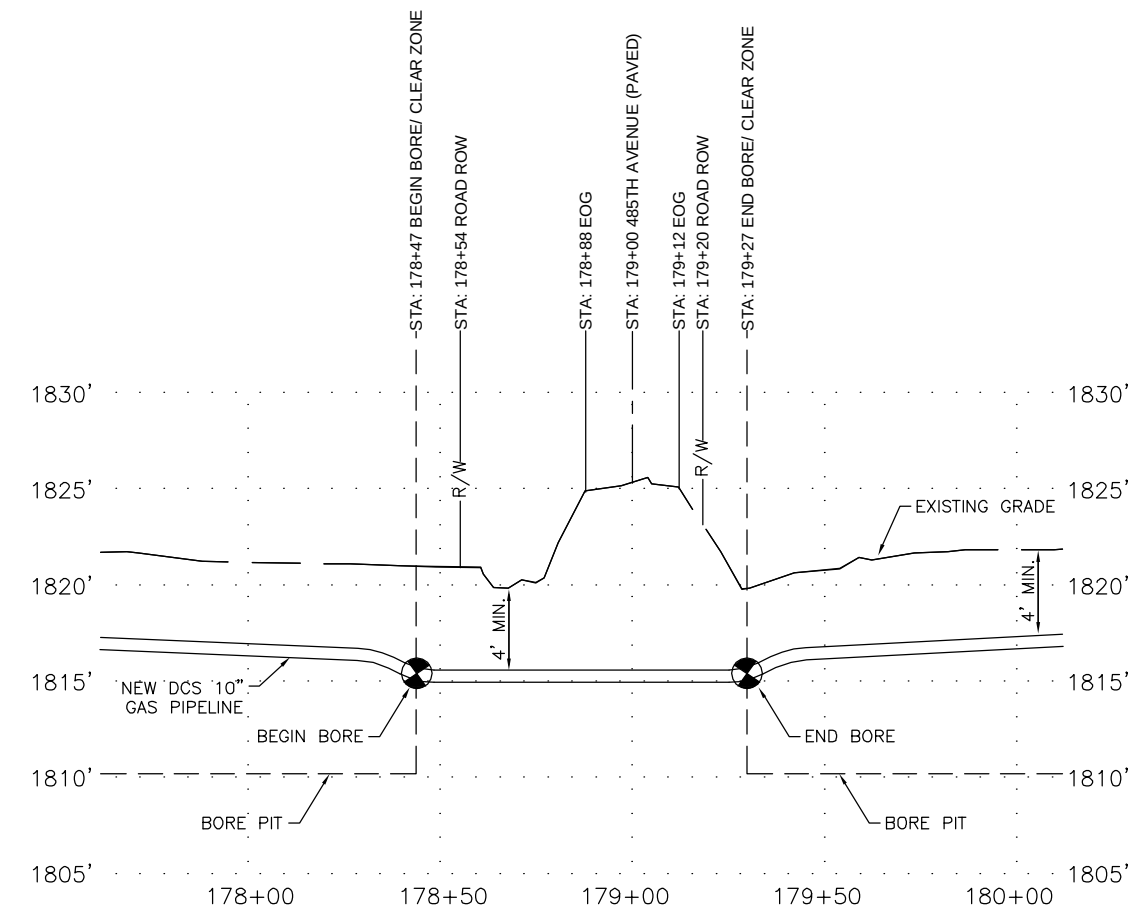
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DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA
DCS-CD-ONG-0004

DRAWN BY: AME	CHECK BY: SDR	SCALE: 1" = 50'
SIGNED BY: DPY	DATE: JUNE 2010	ENGINEER
GAS PIPELINE BORING - B05 AT 485TH AVENUE & B06 AT 197TH STREET		
DCS-B04		



B07 - 485TH AVENUE
SEC. 7 & 8, T112N, R47W
BROOKINGS COUNTY,
SOUTH DAKOTA

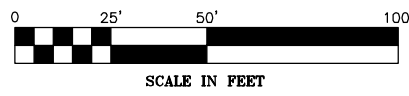


NOTE:
BEARINGS AND DISTANCES ARE BASED
ON THE SOUTH DAKOTA STATE PLANE
COORDINATE SYSTEM, NORTH ZONE -
NAD83 (US SURVEY FEET)

LAND DIMENSION INFORMATION FOR THIS
EXHIBIT WAS DERIVED FROM LAND
SURVEY DATA.

ALL UNDERGROUND UTILITIES ARE SHOWN
IN GENERAL LOCATION. CONTRACTOR TO
FIELD VERIFY PRIOR TO CONSTRUCTION.

SEE PLAN AND PROFILE SHEETS FOR
LEGEND.

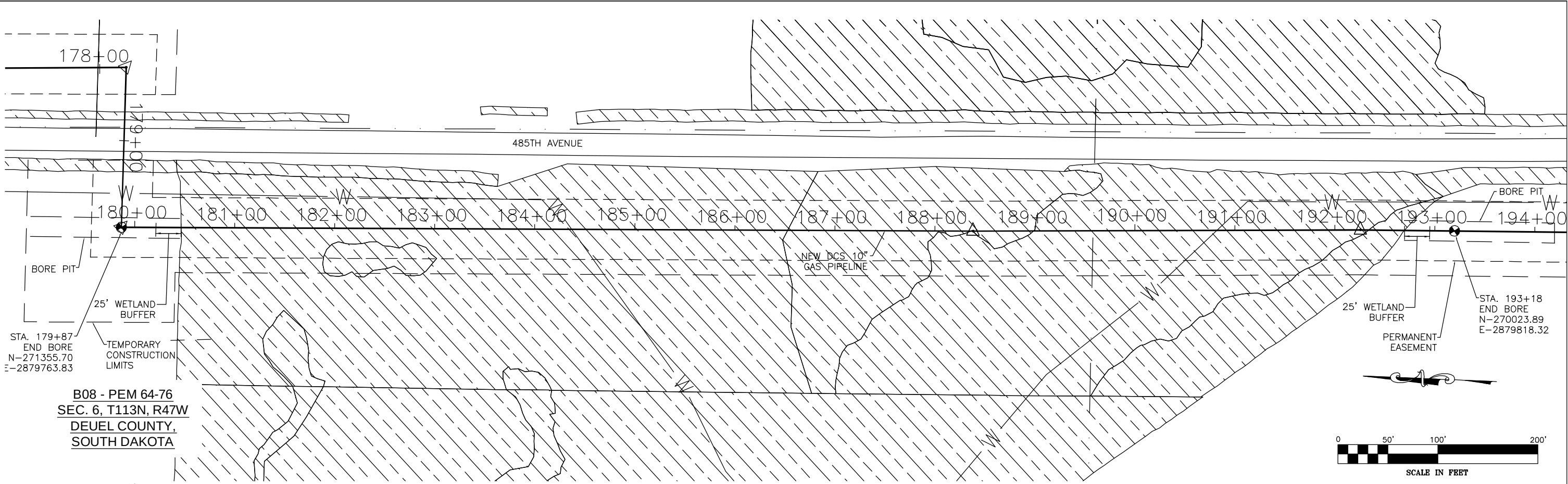


REVISIONS				
No.	DATE	BY	CHKD.	

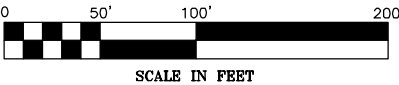
DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CD-ONG-0005

DRAWN BY: AME	CHECK BY: SDR	SCALE: 1" = 50'
SIGNED BY: DPY	ENGINEER	
DATE: JUNE 2010	GAS PIPELINE BORING - B07 AT 485TH AVENUE	
DCS-B05		



B08 - PEM 64-76
SEC. 6, T113N, R47W
DEUEL COUNTY,
SOUTH DAKOTA

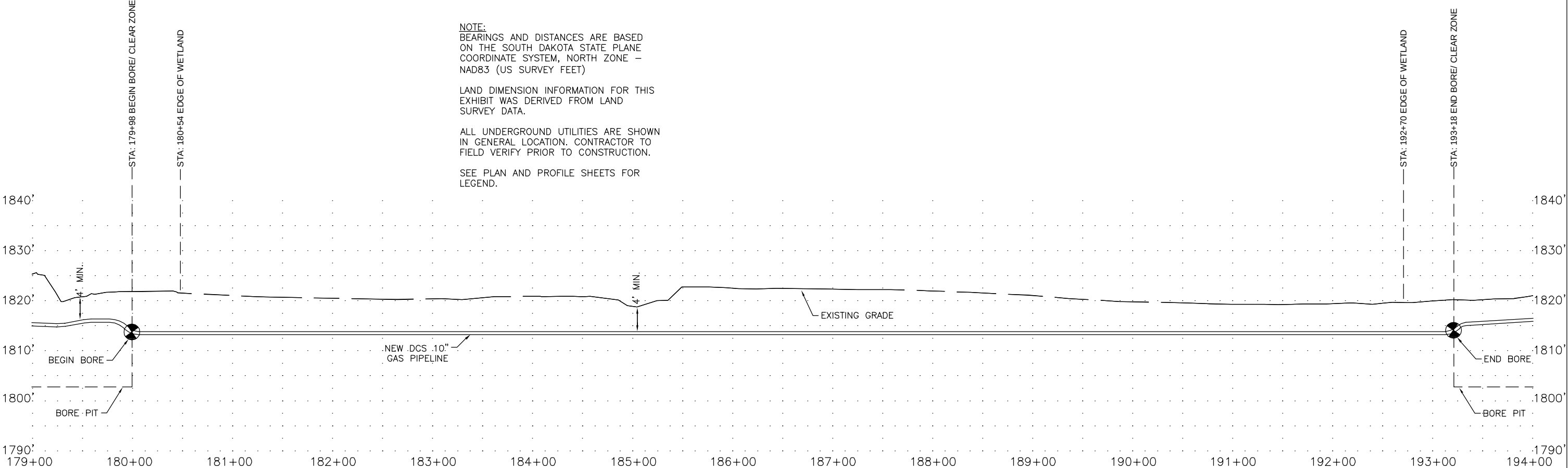


NOTE:
BEARINGS AND DISTANCES ARE BASED
ON THE SOUTH DAKOTA STATE PLANE
COORDINATE SYSTEM, NORTH ZONE -
NAD83 (US SURVEY FEET)

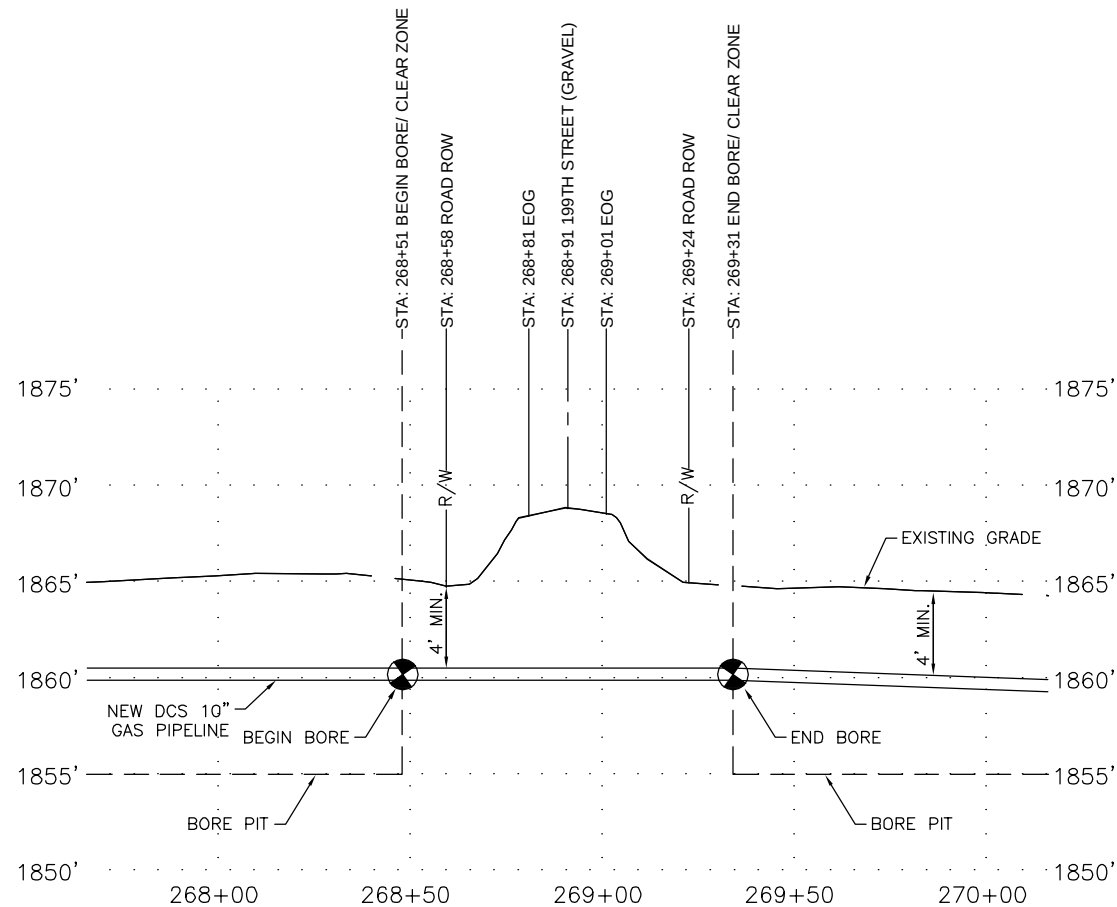
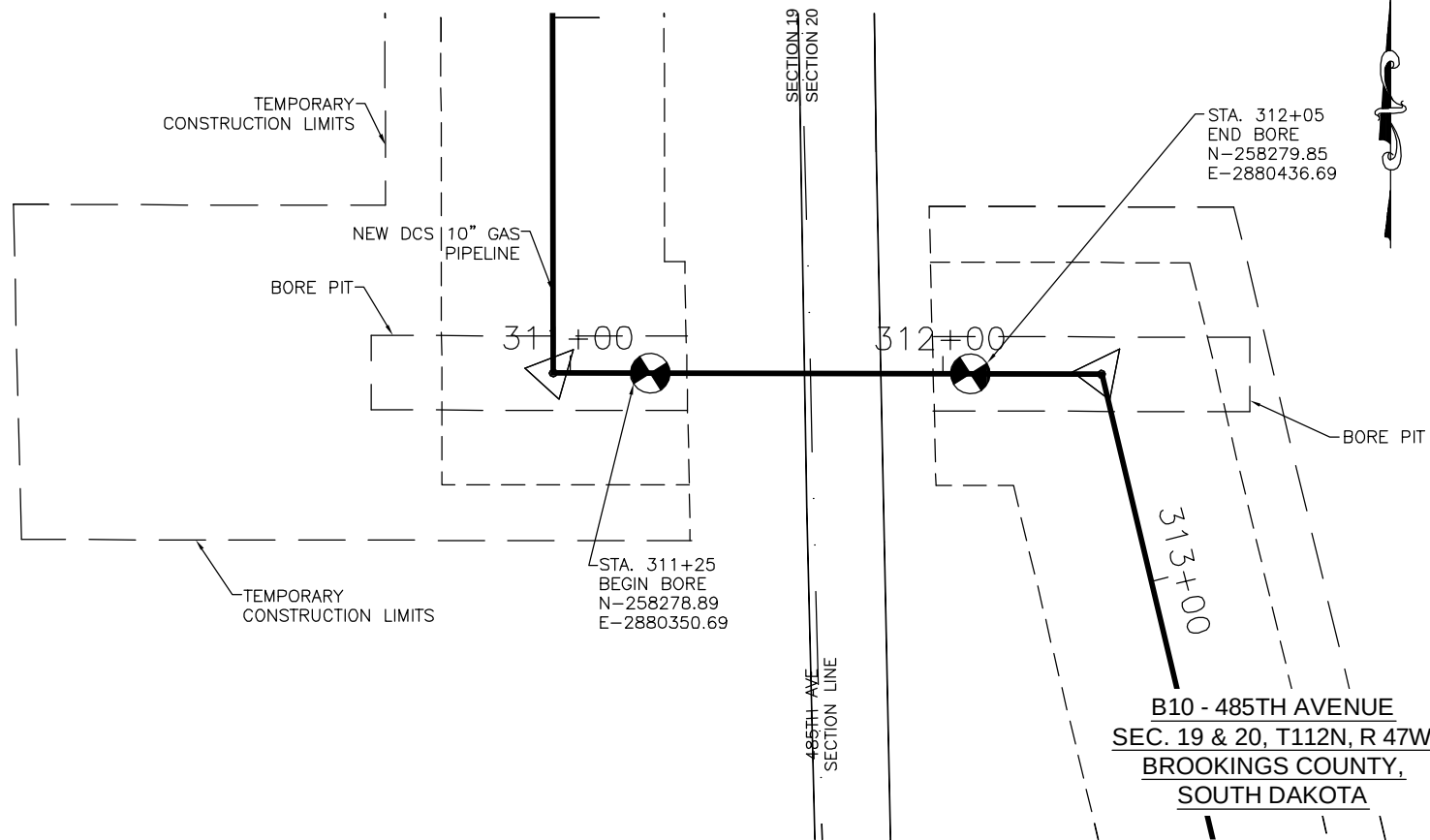
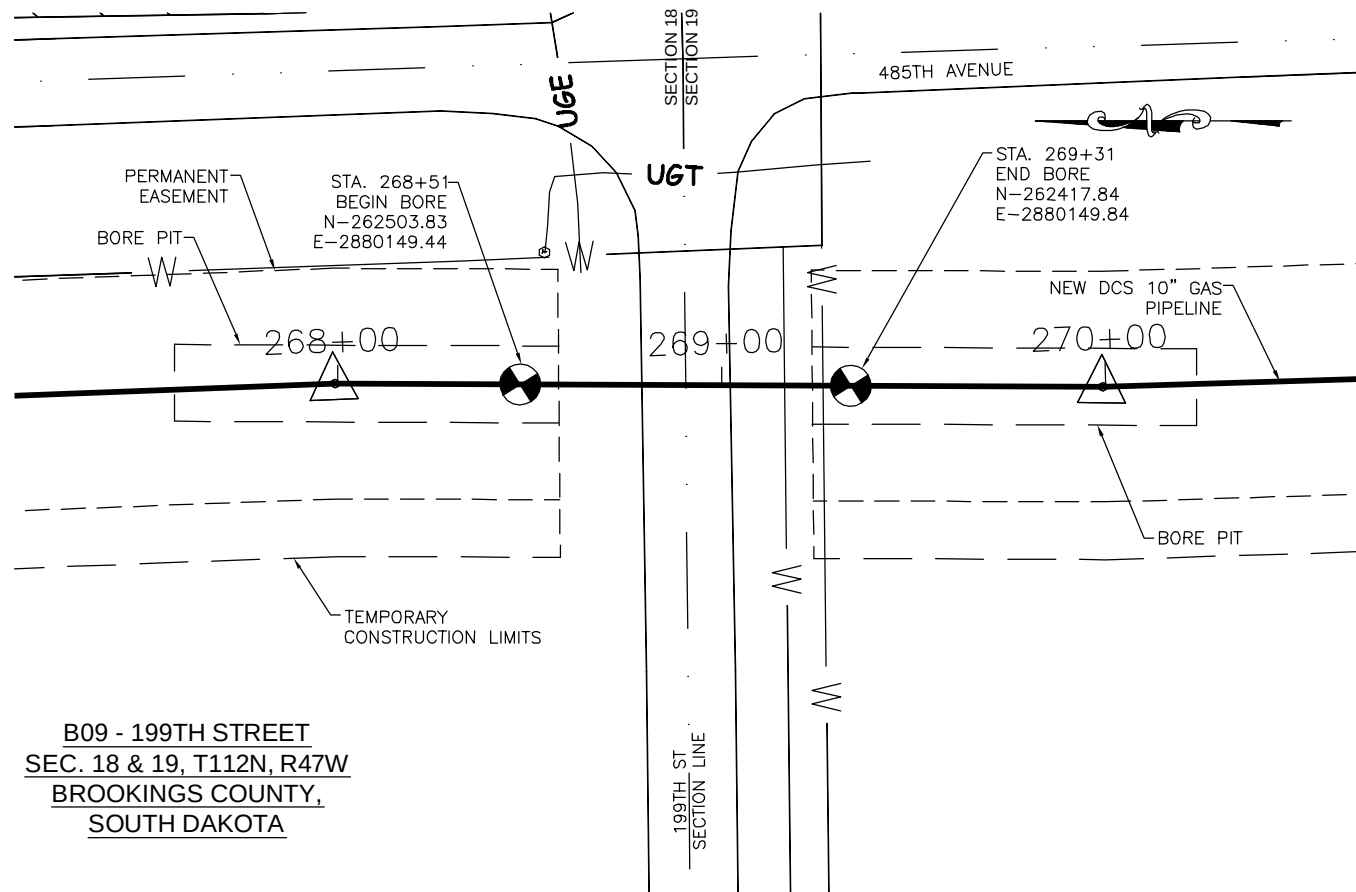
LAND DIMENSION INFORMATION FOR THIS
EXHIBIT WAS DERIVED FROM LAND
SURVEY DATA.

ALL UNDERGROUND UTILITIES ARE SHOWN
IN GENERAL LOCATION. CONTRACTOR TO
FIELD VERIFY PRIOR TO CONSTRUCTION.

SEE PLAN AND PROFILE SHEETS FOR
LEGEND.



REVISIONS								DEER CREEK STATION GAS PIPELINE				DRAWN BY: AME CHECK BY: SDR SCALE: 1" = 100'			
No.	DATE		BY	CHKD.				DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA				SIGNED BY: DPY ENGINEER			
												DATE: JUNE 2010			
												GAS PIPELINE BORING - B08 AT WETLAND			
								DCS-CD-ONG-0006				DCS-B06			



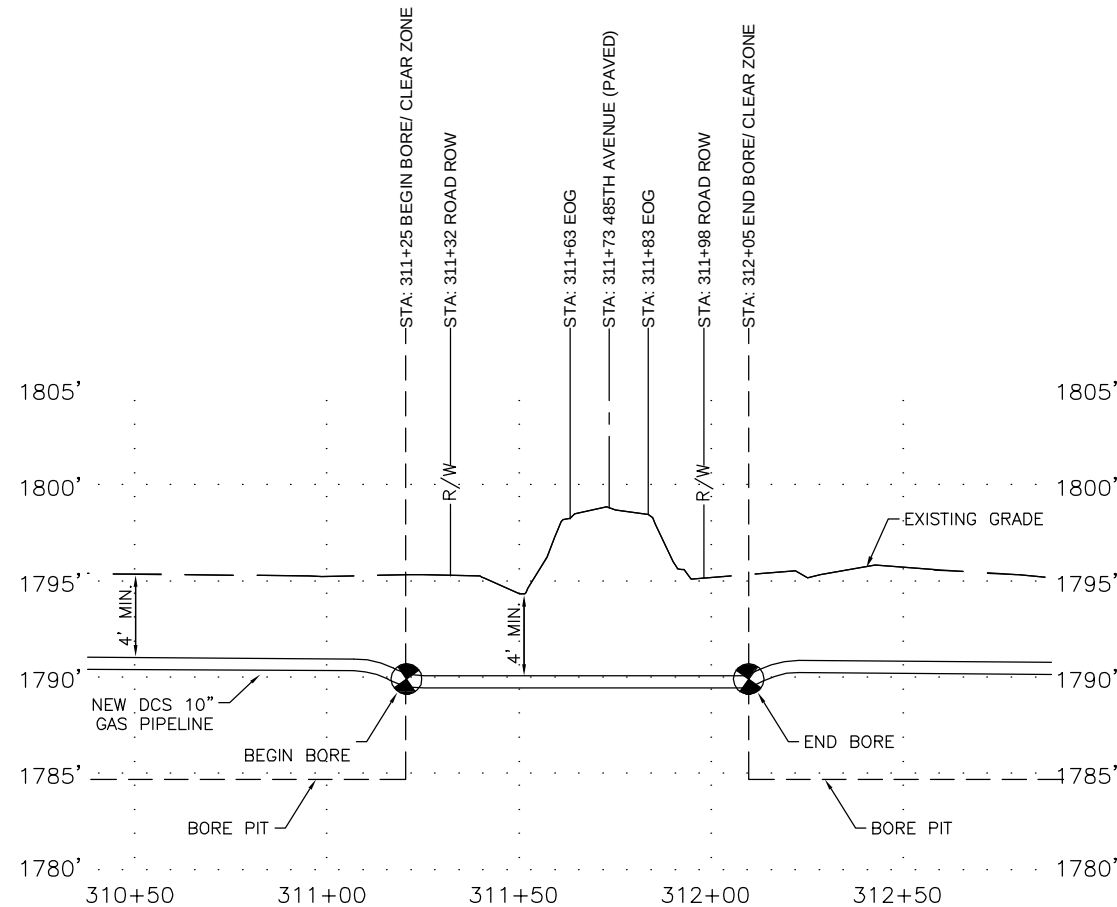
NOTE:
BEARINGS AND DISTANCES ARE BASED
ON THE SOUTH DAKOTA STATE PLANE
COORDINATE SYSTEM, NORTH ZONE -
NAD83 (US SURVEY FEET)

LAND DIMENSION INFORMATION FOR THIS
EXHIBIT WAS DERIVED FROM LAND
SURVEY DATA.

ALL UNDERGROUND UTILITIES ARE SHOWN
IN GENERAL LOCATION. CONTRACTOR TO
FIELD VERIFY PRIOR TO CONSTRUCTION.

SEE PLAN AND PROFILE SHEETS FOR
LEGEND.

0 25' 50' 100'
SCALE IN FEET

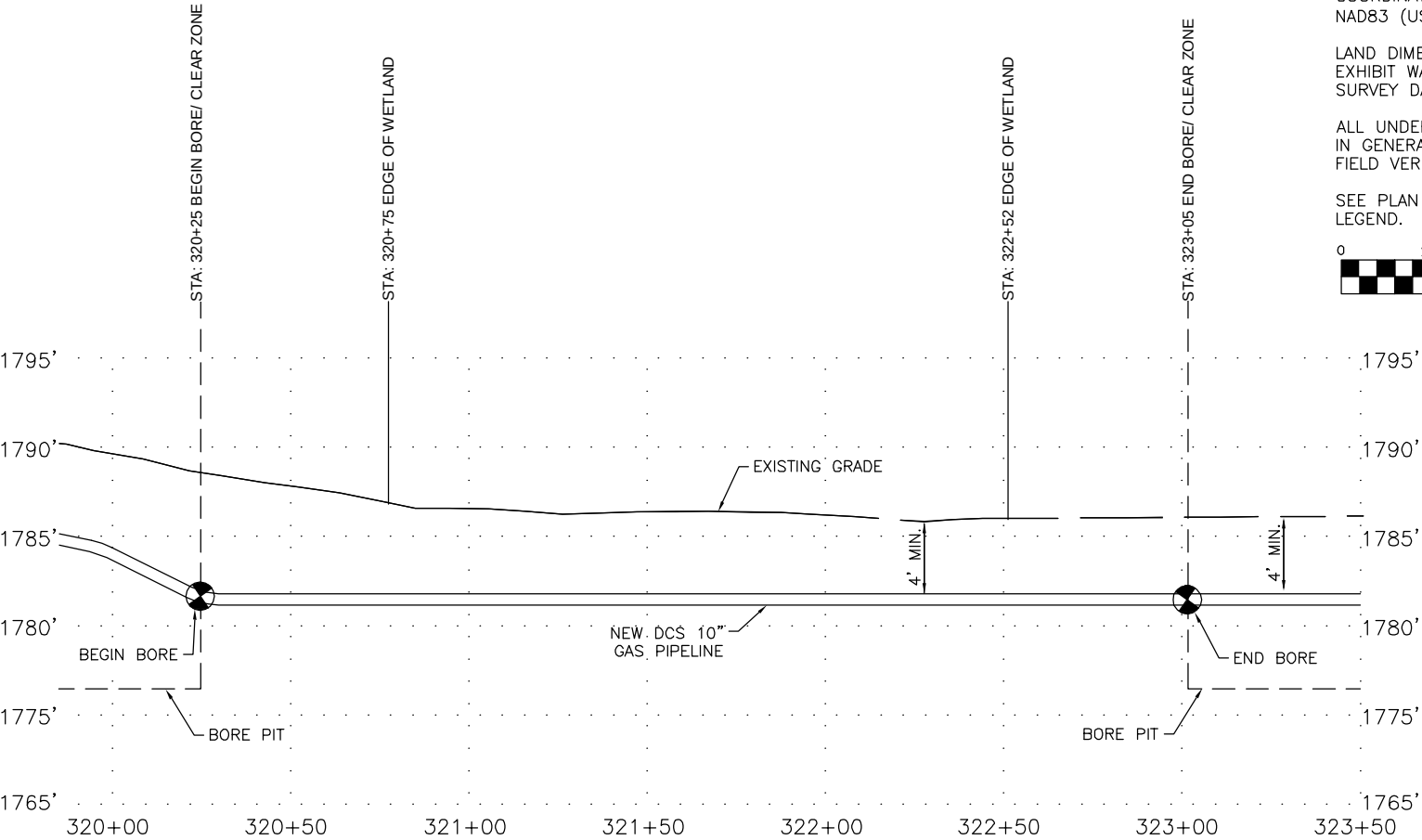
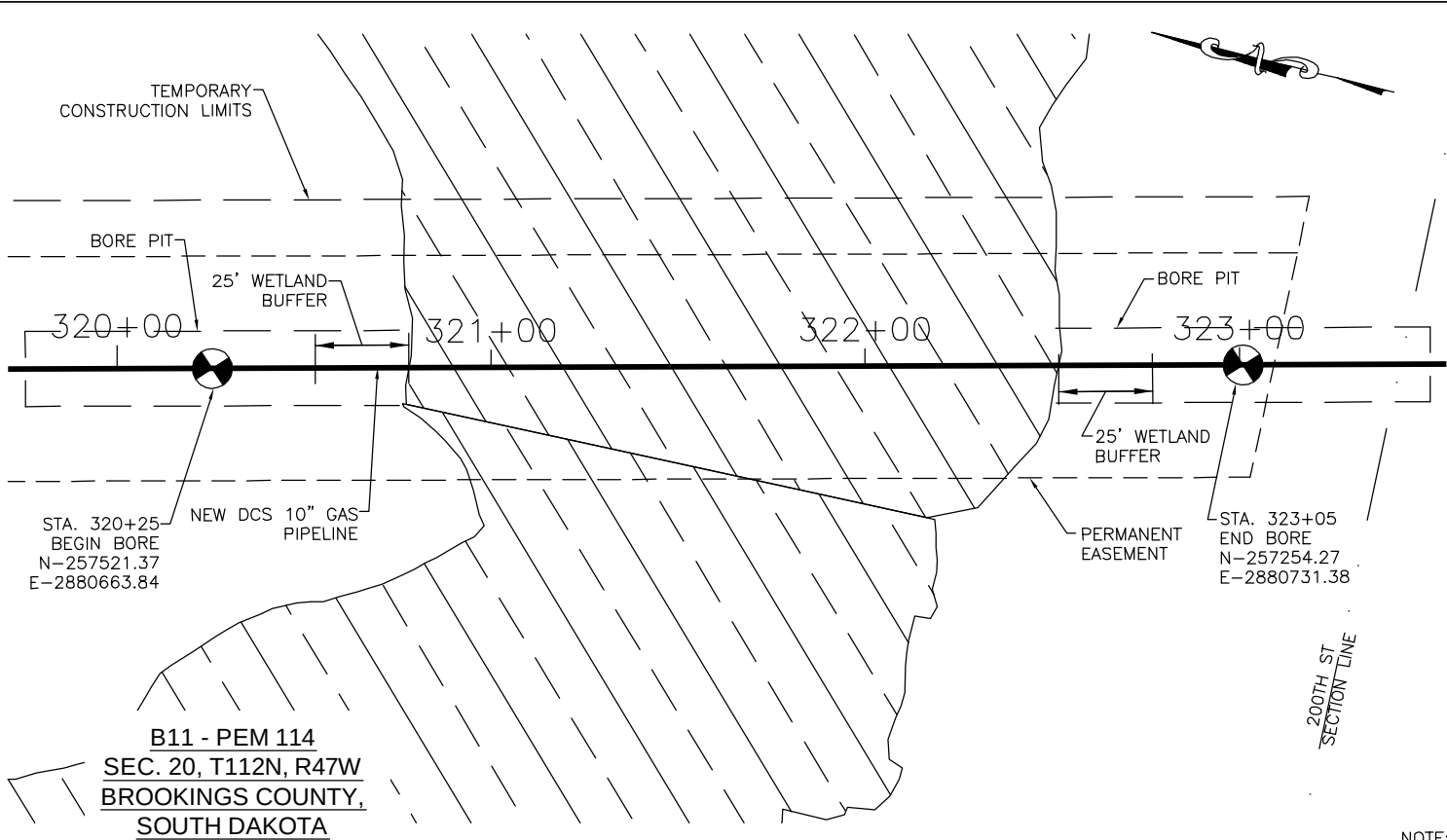


REVISIONS				
No.	DATE	BY	CHKD.	

DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CD-ONG-0007

DRAWN BY: AME	CHECK BY: SDR	SCALE: 1" = 50'
SIGNED BY: DPY	ENGINEER	
DATE: JUNE 2010	GAS PIPELINE BORING - B09 AT 199TH STREET & B10 AT 485TH AVENUE	
DCS-B07		



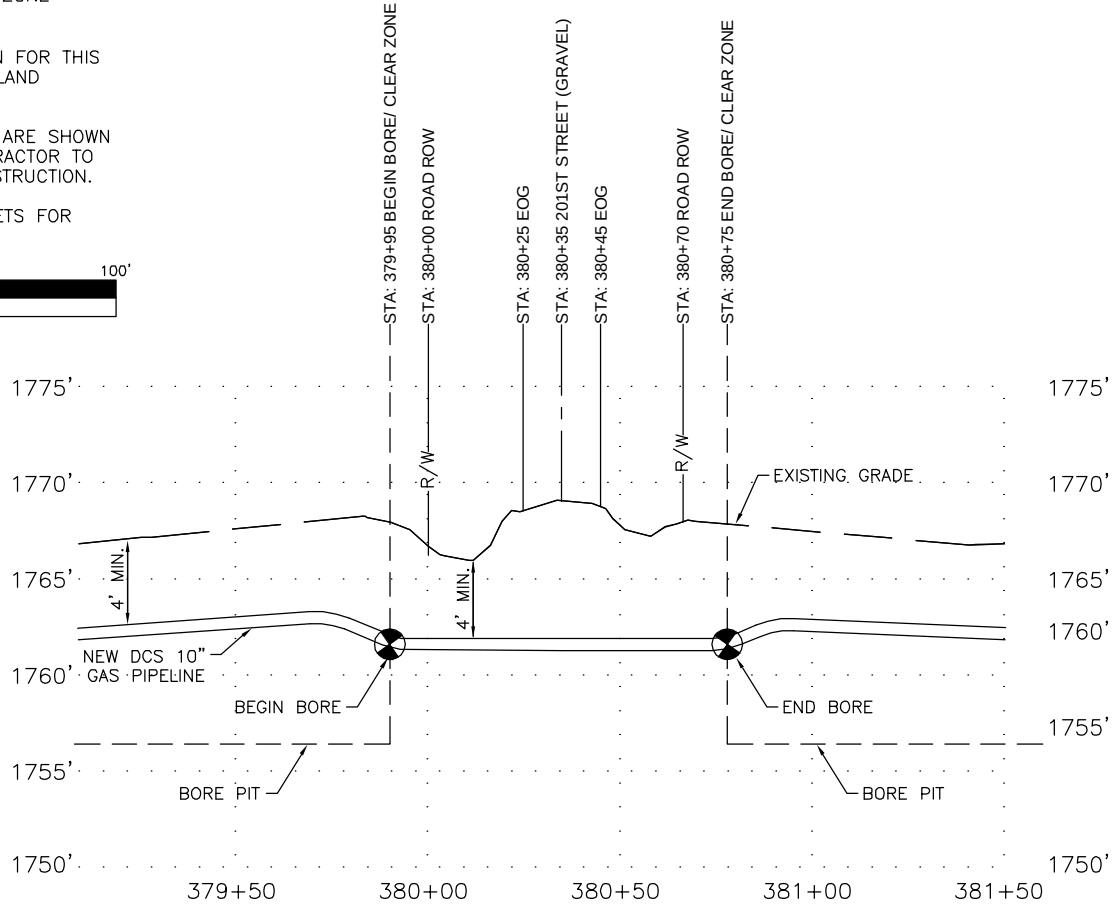
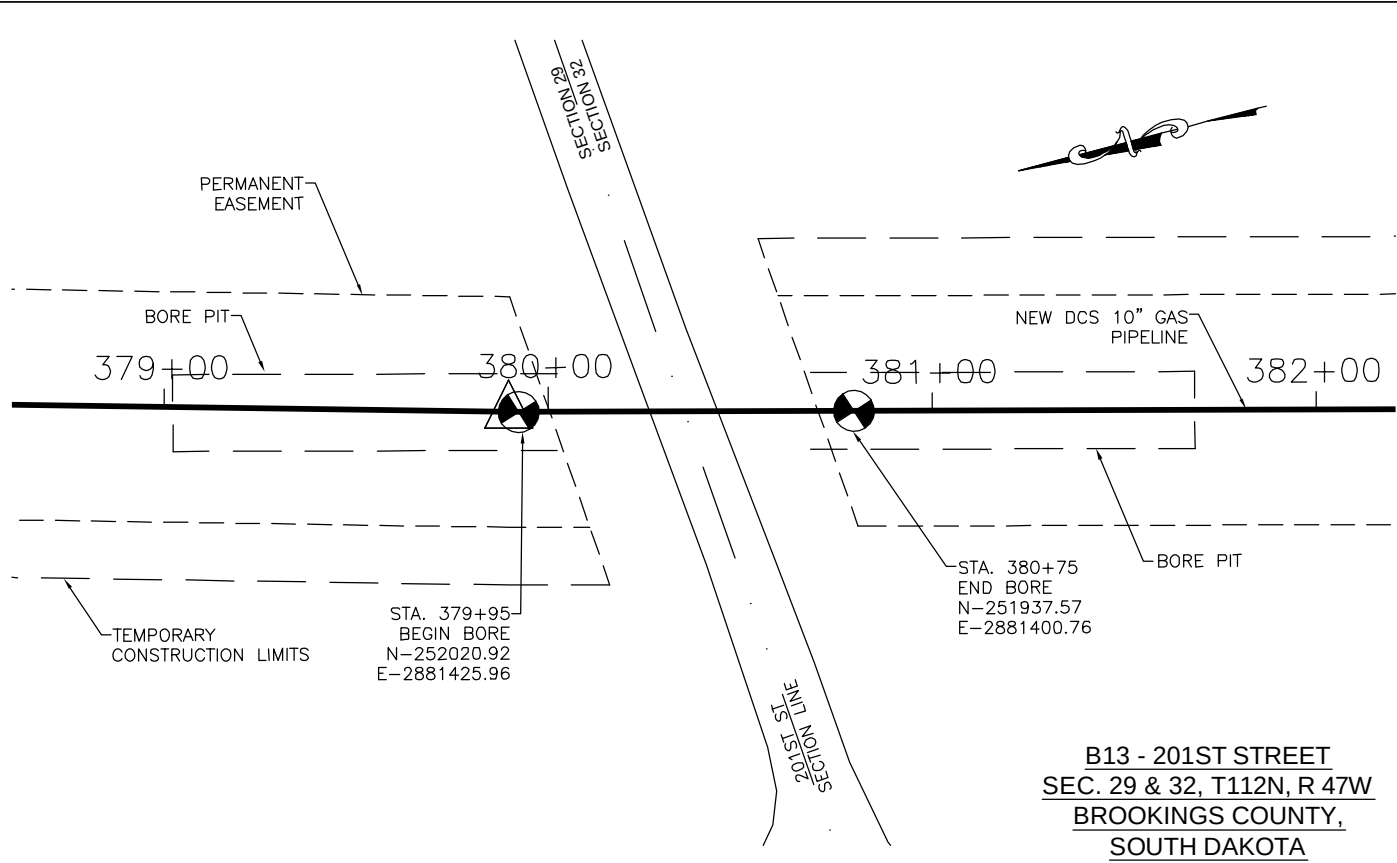
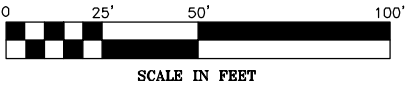
REVISIONS				
No.	DATE		BY	CHKD.

NOTE:
BEARINGS AND DISTANCES ARE BASED
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COORDINATE SYSTEM, NORTH ZONE -
NAD83 (US SURVEY FEET)

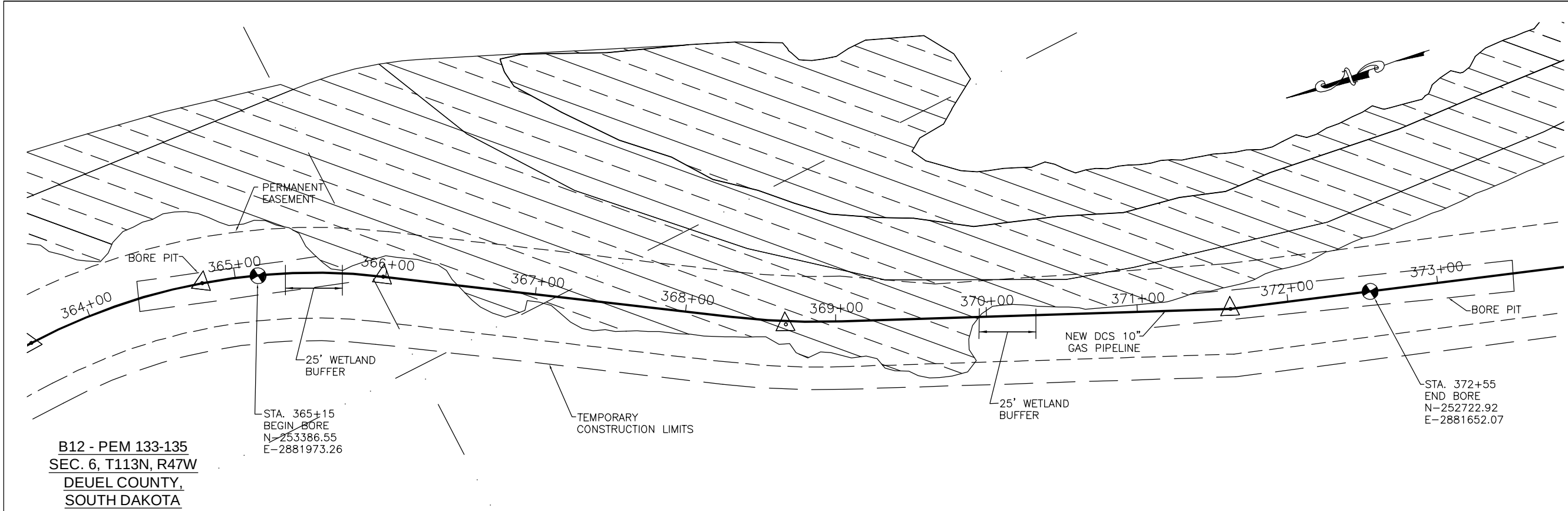
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EXHIBIT WAS DERIVED FROM LAND
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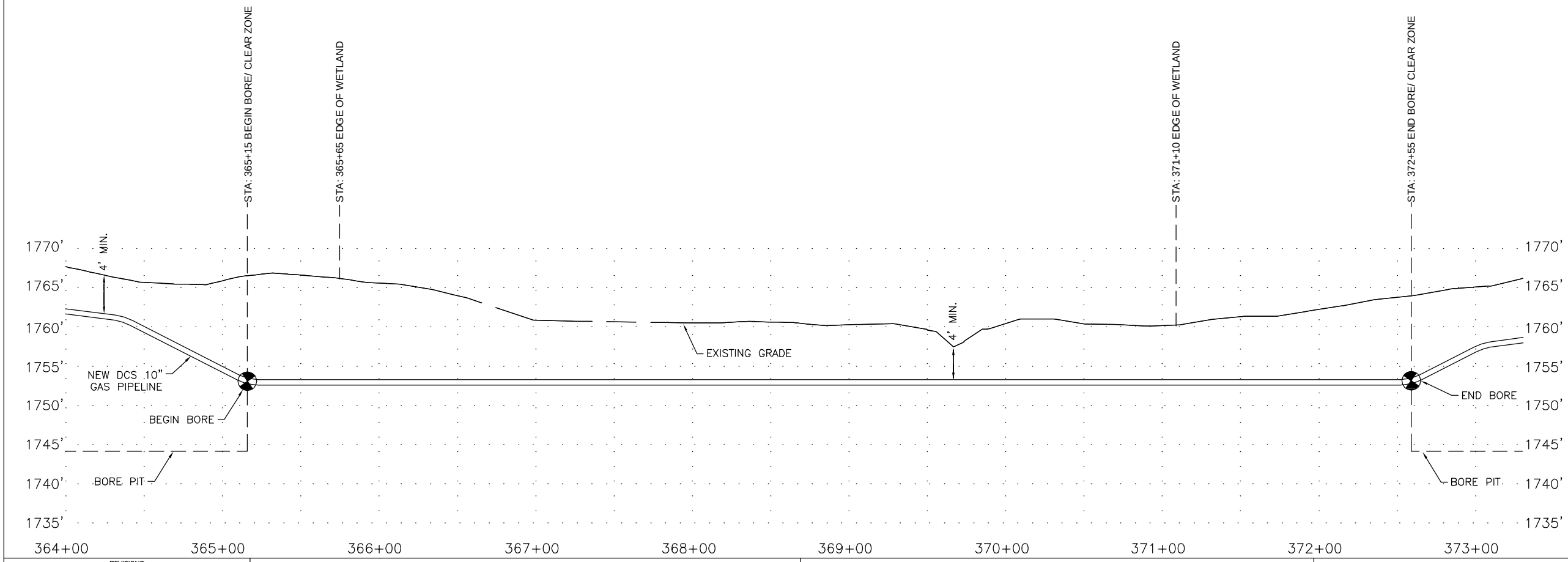
SEE PLAN AND PROFILE SHEETS FOR
LEGEND.



DEER CREEK STATION GAS PIPELINE DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA DCS-CD-ONG-0008	DRAWN BY: AME	CHECK BY: SDR	SCALE: 1" = 50'
	SIGNED BY: DPY	ENGINEER	
	DATE: JUNE 2010	GAS PIPELINE BORING - B11 AT WETLAND & B13 AT 201TH STREET	
		DCS-B08	



B12 - PEM 133-135
SEC. 6, T113N, R47W
DEUEL COUNTY,
SOUTH DAKOTA

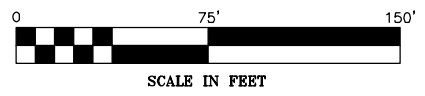


NOTE:
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COORDINATE SYSTEM, NORTH ZONE -
NAD83 (US SURVEY FEET)

LAND DIMENSION INFORMATION FOR THIS
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LEGEND.

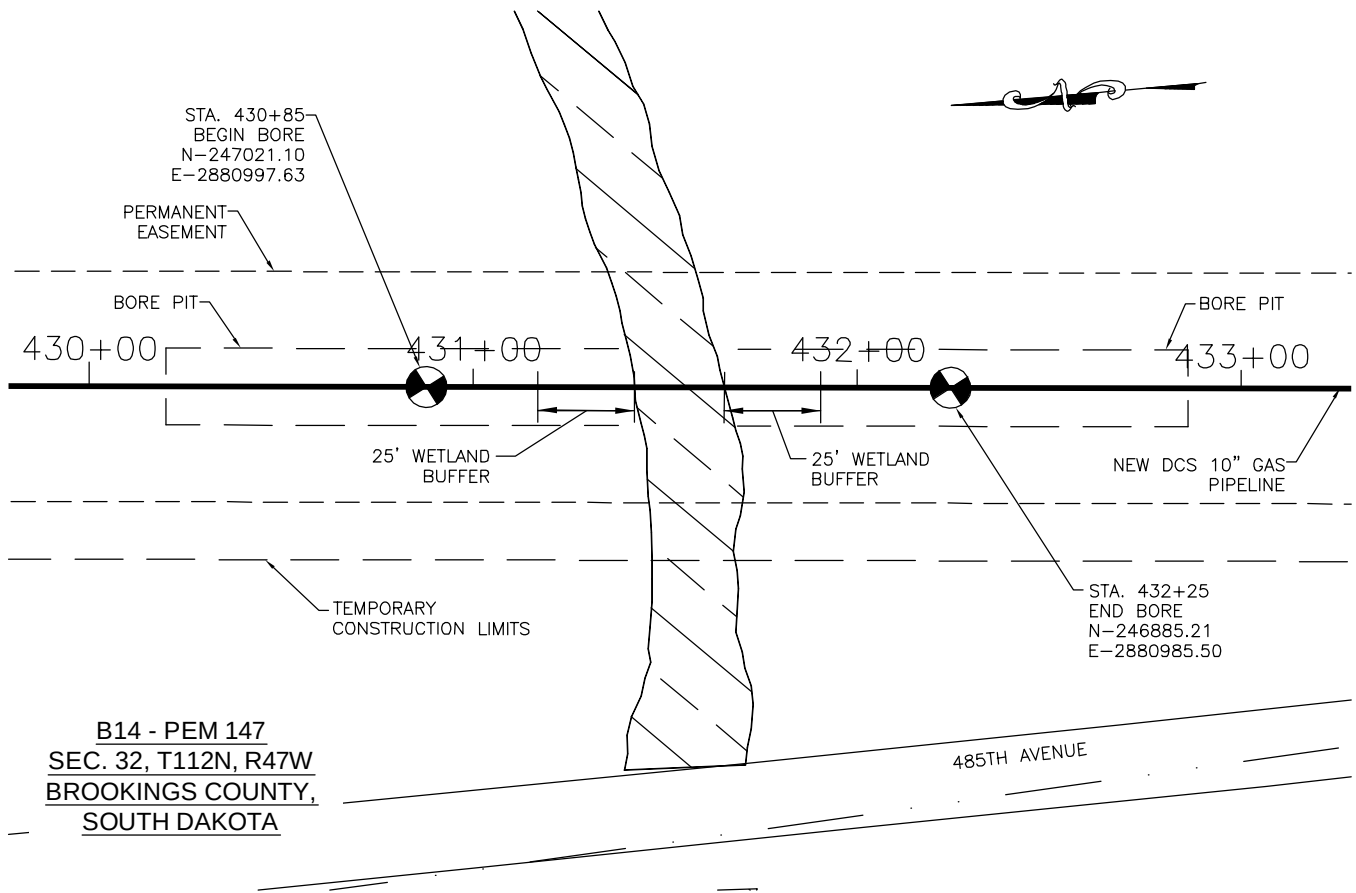


REVISIONS			
No.	DATE	BY	CHKD.

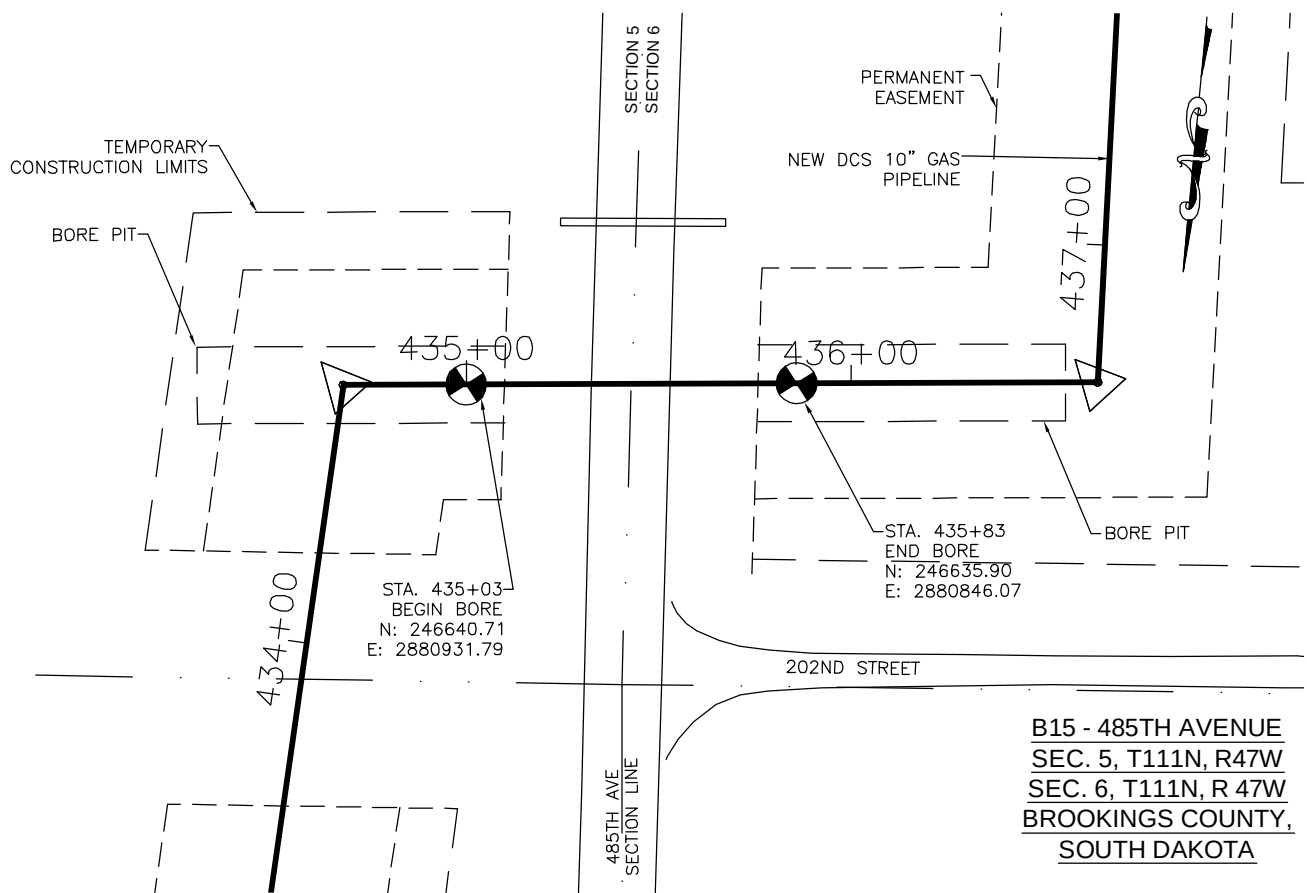
DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CD-ONG-0009

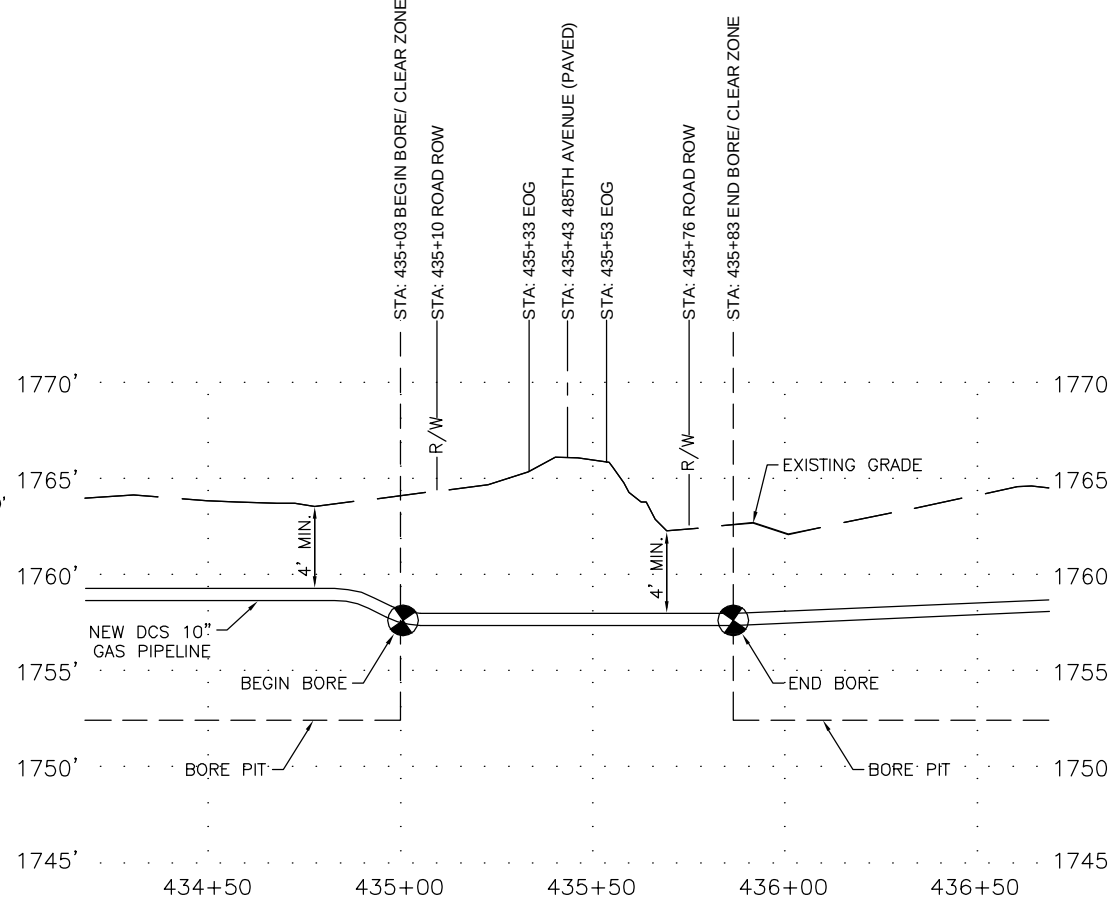
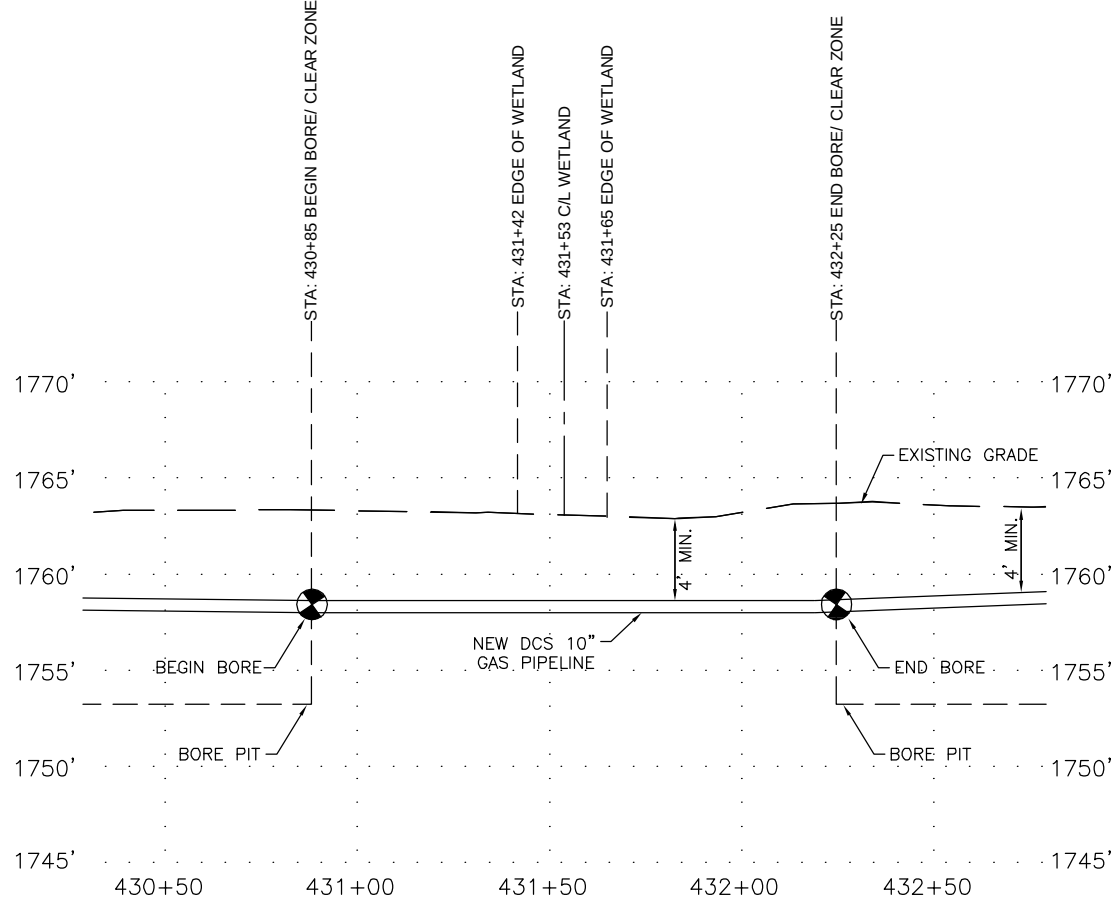
DRAWN BY: AME	CHECK BY: SDR	SCALE: 1" = 75'
SIGNED BY: DPY	ENGINEER	
DATE: JUNE 2010	GAS PIPELINE BORING - B12 AT WETLAND	
DCS-B09		



B14 - PEM 147
SEC. 32, T112N, R47W
BROOKINGS COUNTY,
SOUTH DAKOTA



B15 - 485TH AVENUE
SEC. 5, T111N, R47W
SEC. 6, T111N, R 47W
BROOKINGS COUNTY,
SOUTH DAKOTA

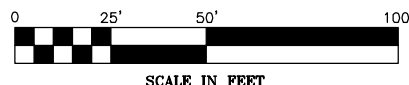


NOTE:
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COORDINATE SYSTEM, NORTH ZONE -
NAD83 (US SURVEY FEET)

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SEE PLAN AND PROFILE SHEETS FOR
LEGEND.



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Brookings, South Dakota 57006
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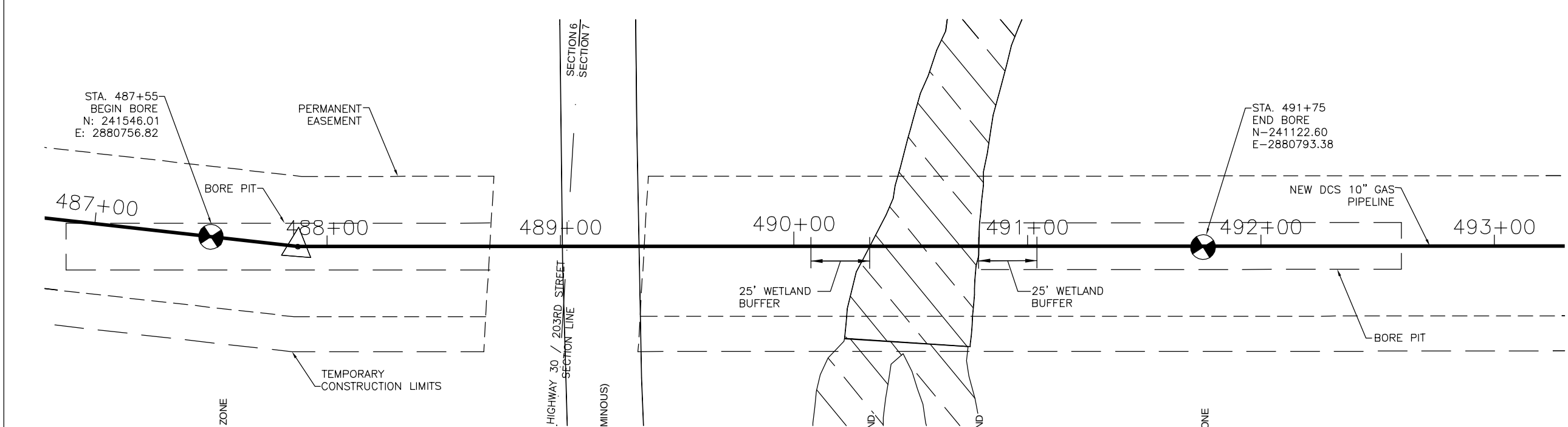
REVISIONS			BY	CHKD.
No.	DATE			

**BASIN ELECTRIC
POWER COOPERATIVE**
A Touchstone Energy® Cooperative

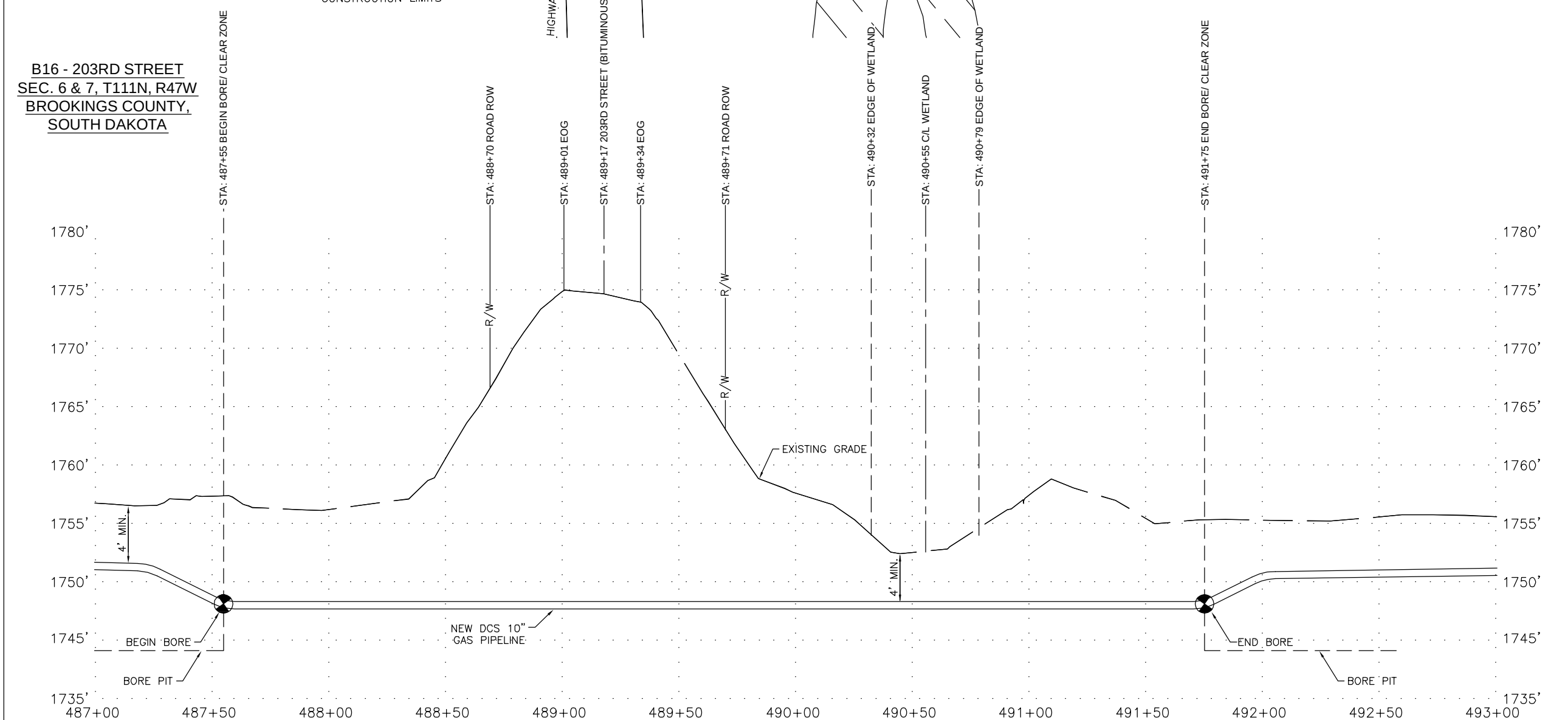
**MONTANA-DAKOTA
UTILITIES CO.**
A Division of MDU Resources Group, Inc.

DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA
DCS-CD-ONG-0010

DRAWN BY: AME	CHECK BY: SDR	SCALE: 1" = 50'
SIGNED BY: DPY	DATE: JUNE 2010	ENGINEER
GAS PIPELINE BORING - B14 AT WETLAND & B15 AT 485TH STREET		
DCS-B10		



B16 - 203RD STREET
SEC. 6 & 7, T111N, R47W
BROOKINGS COUNTY,
SOUTH DAKOTA



NOTE:
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ON THE SOUTH DAKOTA STATE PLANE
COORDINATE SYSTEM, NORTH ZONE -
NAD83 (US SURVEY FEET)

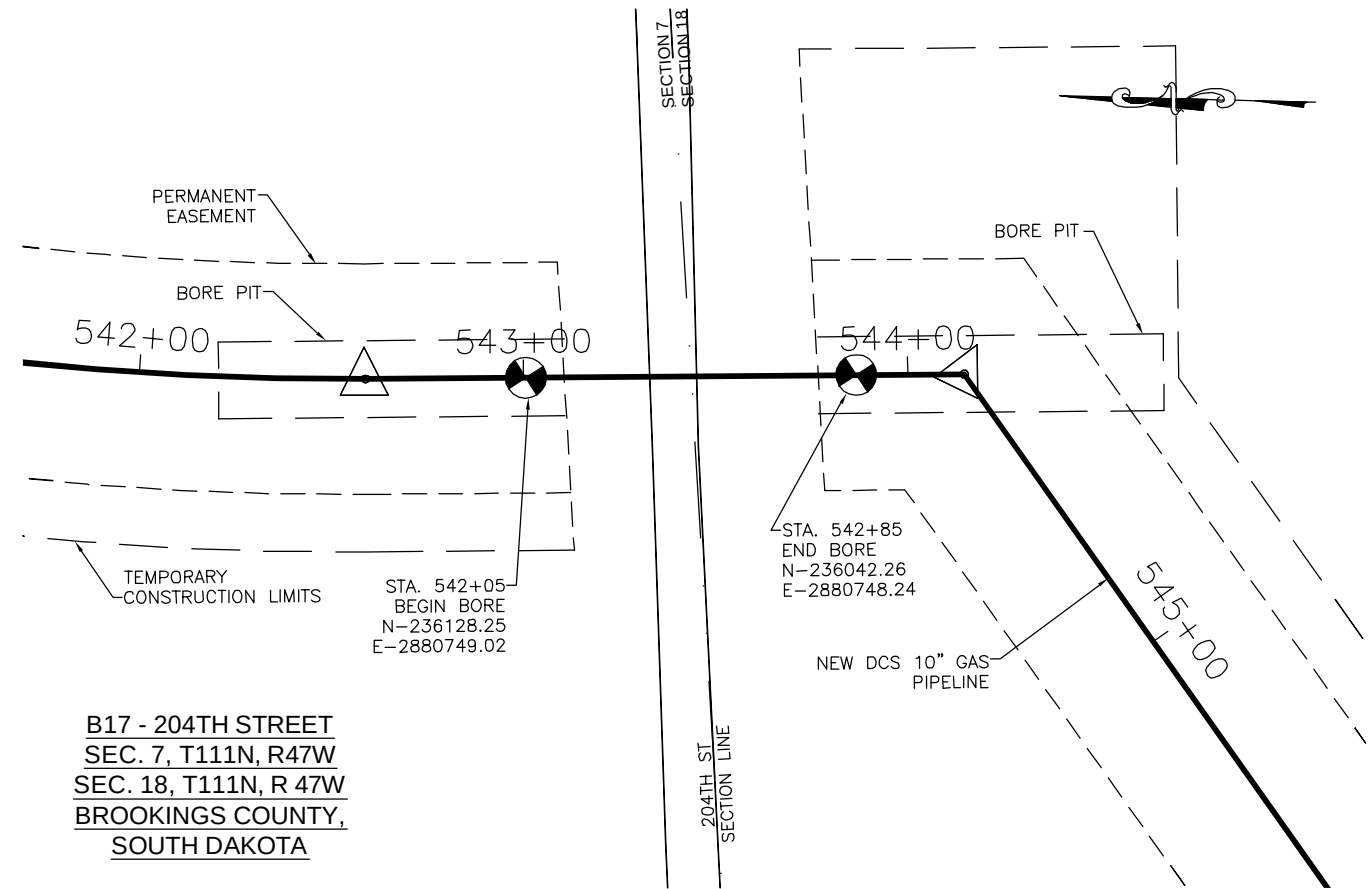
LAND DIMENSION INFORMATION FOR THIS
EXHIBIT WAS DERIVED FROM LAND
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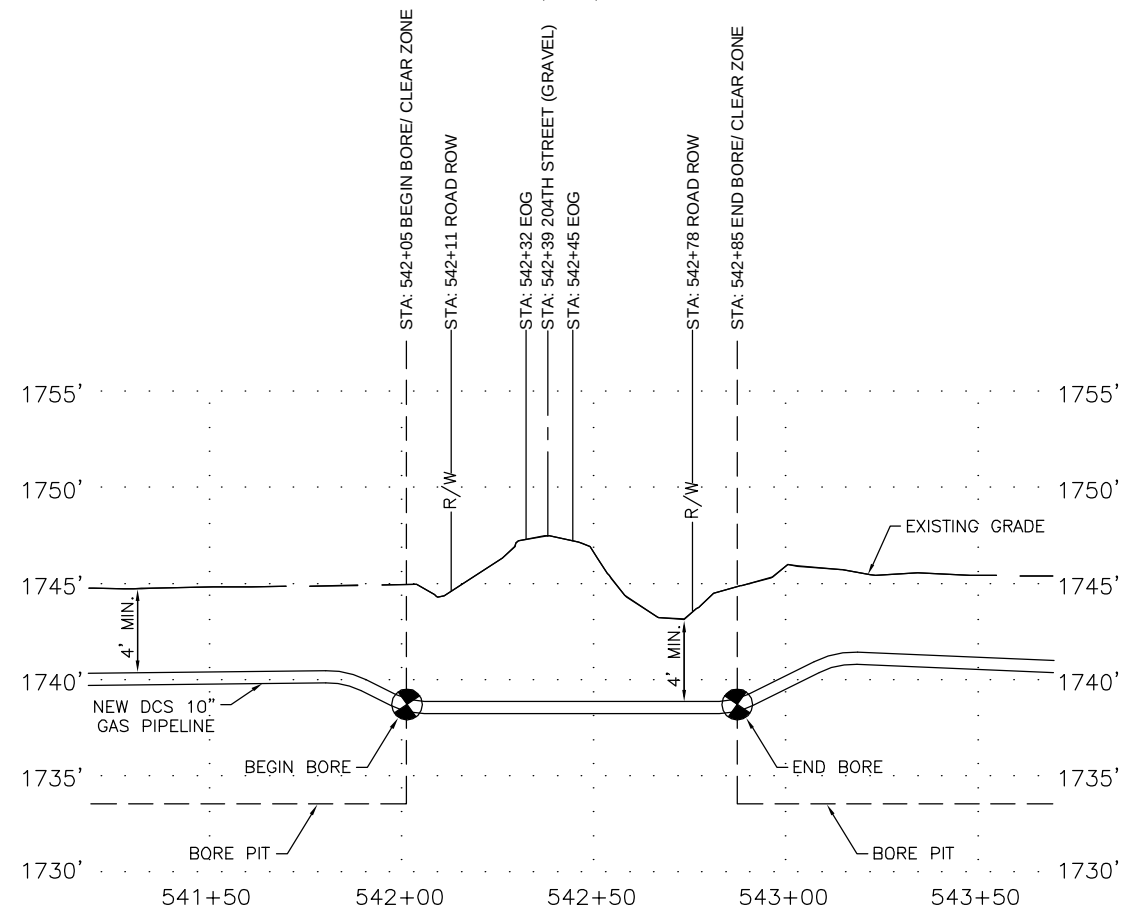
SEE PLAN AND PROFILE SHEETS FOR
LEGEND.

0 25' 50' 100'
SCALE IN FEET

REVISIONS								DEER CREEK STATION GAS PIPELINE DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA	DRAWN BY: AME SIGNED BY: DPY DATE: JUNE 2010	CHECK BY: SDR ENGINEER	SCALE: 1" = 50' GAS PIPELINE BORING - B16 AT HIGHWAY 30 & WETLAND DCS-B11
No.	DATE		BY	CHKD.							
								DCS-CD-ONG-0011			



B17 - 204TH STREET
SEC. 7, T111N, R47W
SEC. 18, T111N, R 47W
BROOKINGS COUNTY,
SOUTH DAKOTA

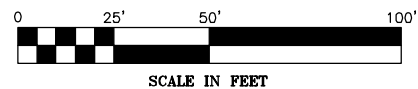


NOTE:
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NAD83 (US SURVEY FEET)

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LEGEND.



REVISIONS				
No.	DATE	BY	CHKD.	

DEER CREEK STATION GAS PIPELINE
DEUEL & BROOKINGS COUNTY, SOUTH DAKOTA

DCS-CD-ONG-0012

DRAWN BY: AME	CHECK BY: SDR	SCALE: 1" = 50'
SIGNED BY: DPY	ENGINEER	
DATE: JUNE 2010	GAS PIPELINE BORING B17 AT 204TH STREET	
DCS-B12		