

ATTACHMENT 7:
REVISED CELL 4 EXPANSION CONSTRUCTION DRAWINGS

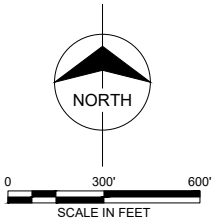
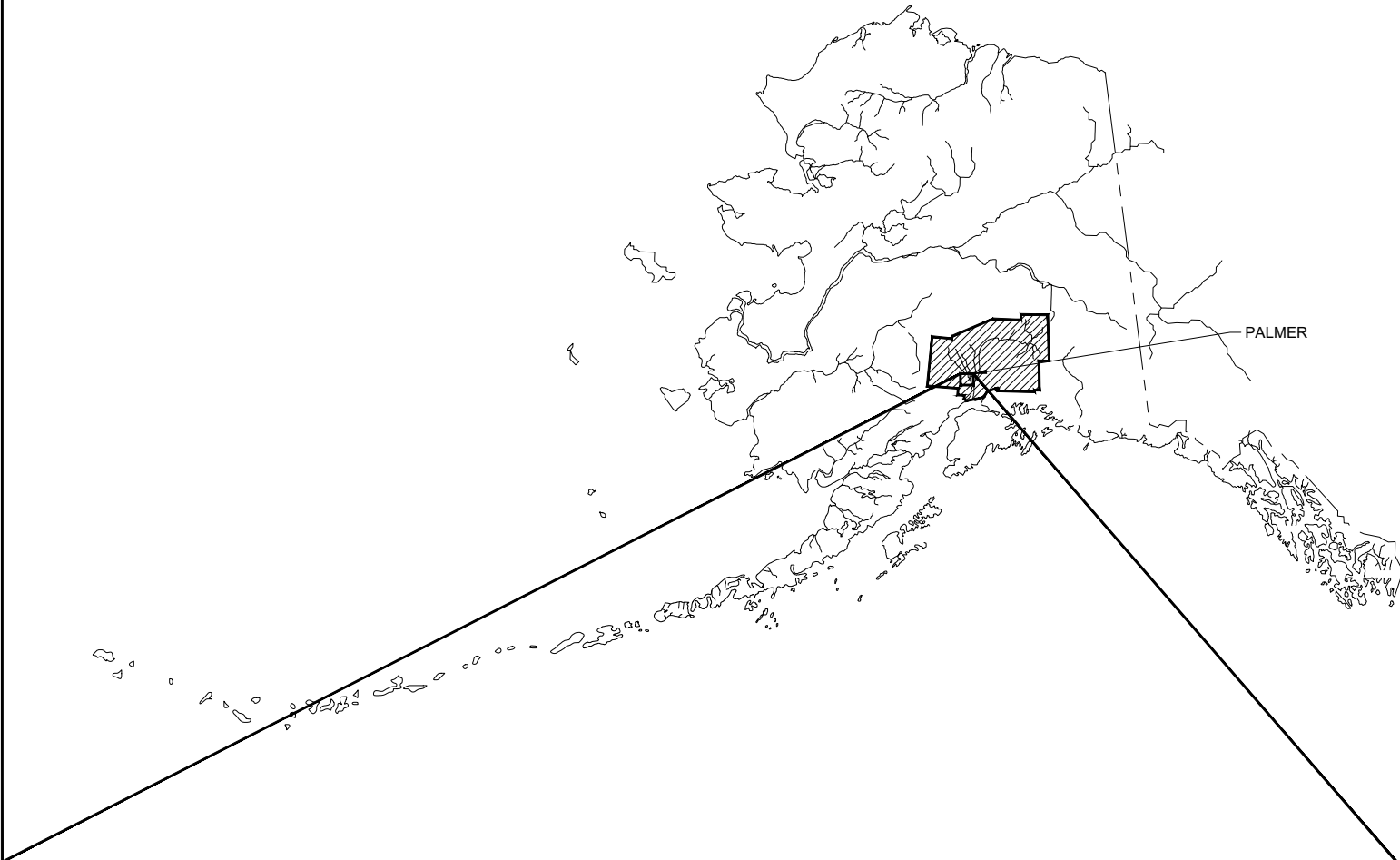
MATANUSKA-SUSITNA BOROUGH

PUBLIC WORKS DEPARTMENT



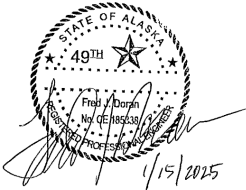
CENTRAL LANDFILL CELL 4 EXPANSION CONSTRUCTION CONTRACT DRAWINGS JANUARY 2025 PROJECT NUMBER: 167550

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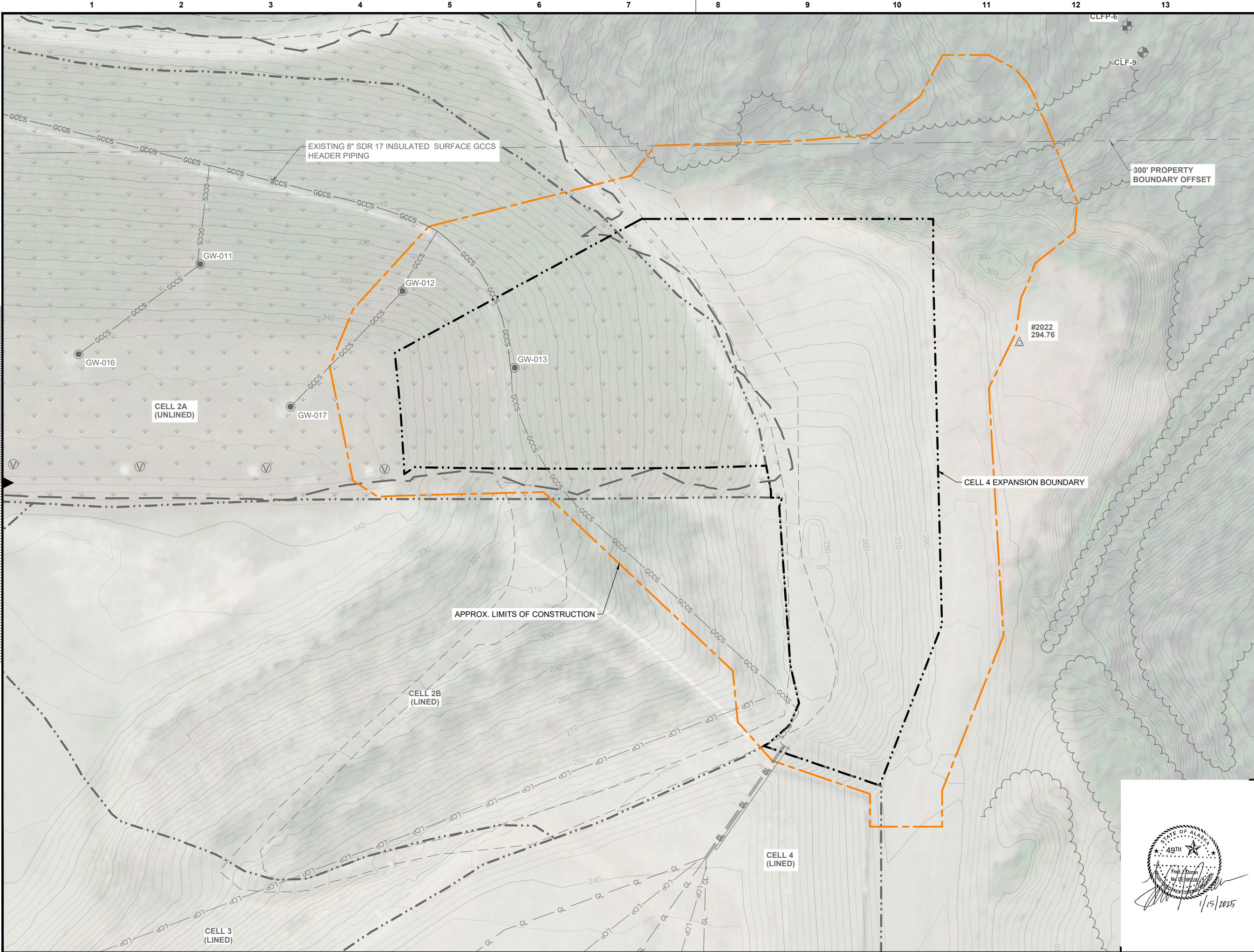


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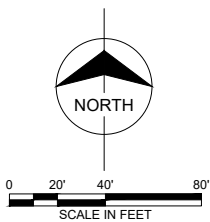
REVIEWED BY: _____

BOROUGH ENGINEER



no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

- NOTES:
- EXISTING SITE FEATURES SHOWN PROVIDED BY MSB.
 - EXISTING SITE TOPOGRAPHY CREATED FROM VARIOUS SURVEYS. MOST RECENT SURVEY OF THE CELL 4 EXPANSION AREA CREATED FROM DRAFT LIDAR DATA FLOWN IN THE FALL OF 2019 BY MSB, THE ACCURACY OF THE DATA IS NOT GUARANTEED.
 - CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH LANDFILL OPERATIONS.
 - CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF EXISTING SITE FEATURES.
 - CONSTRUCTION LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR TO LIMIT ACTIVITIES TO AREAS NECESSARY TO COMPLETE THE WORK.
 - CONTRACTOR STAGING AREA TO BE COORDINATED WITH OWNER.



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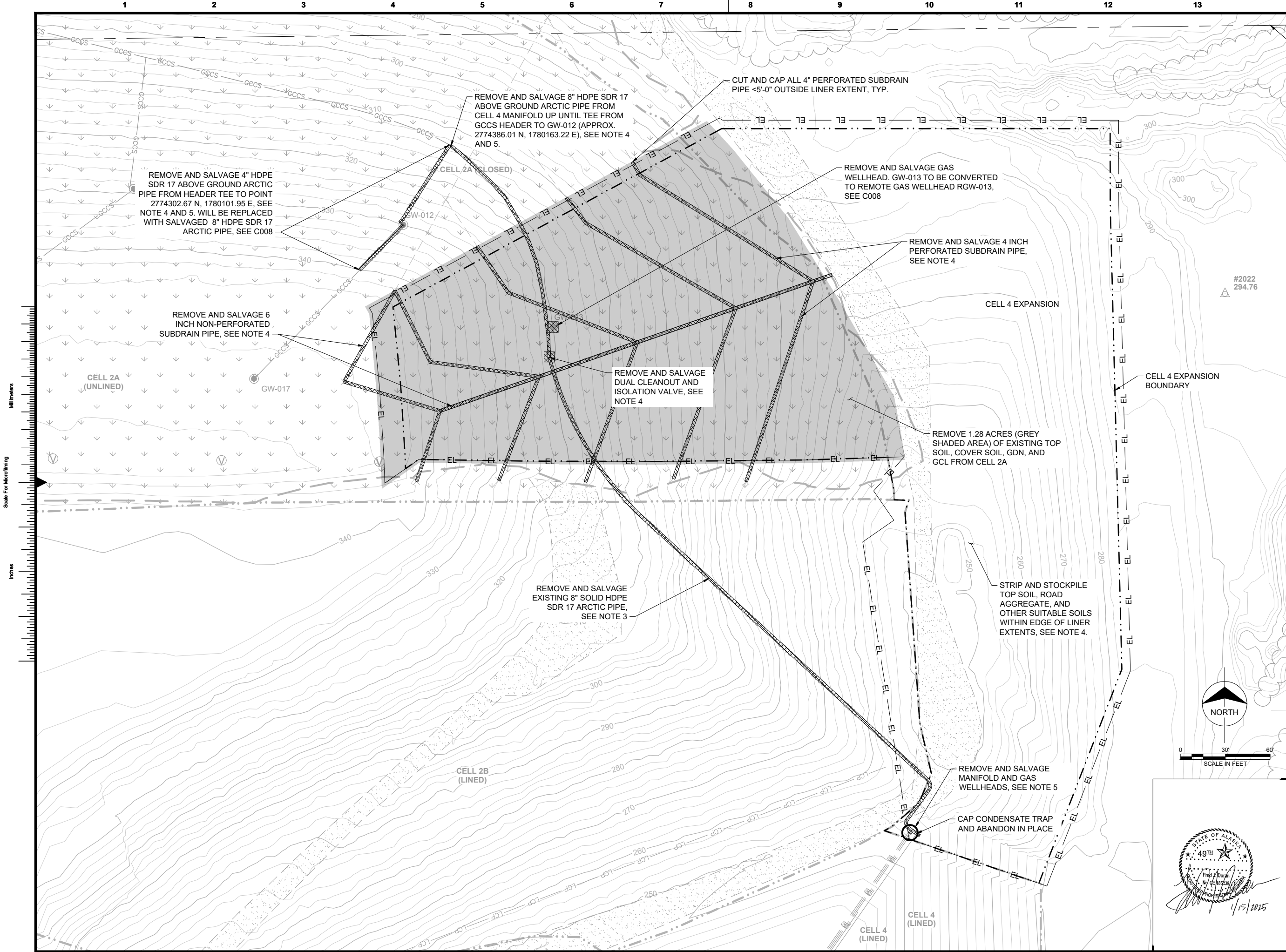
date	JANUARY 2025	detailed	R. HEAMAN
designed	M. AULT	checked	F. DORAN



Matanuska-Susitna Borough, Alaska

CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
GENERAL ARRANGEMENT

project	167550	contract	AUTHORIZATION #14
drawing	G004	rev.	0
sheet	of	sheets	
file	G004 GENERAL ARRANGEMENT.DWG		



no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

- NOTES:
- EXISTING SITE FEATURES SHOWN PROVIDED BY MSB.
 - EXISTING SITE TOPOGRAPHY CREATED FROM VARIOUS SURVEYS. MOST RECENT SURVEY OF THE CELL 4 EXPANSION AREA CREATED FROM DRAFT LIDAR DATA FLOWN IN THE FALL OF 2019 BY MSB, THE ACCURACY OF THE DATA IS NOT GUARANTEED.
 - APPROXIMATELY 600-FT OF 8" SOLID ARCTIC PIPE TO BE REMOVED. APPROXIMATELY 480-FT TO BE REUSED TO CONNECT CELL 4 GAS LATERALS, SEE SHEET C008. THE REMAINING REMOVED 8" ARCTIC PIPE SHALL BE RELOCATED TO AN ON-SITE STORAGE LOCATION BY CONTRACTOR, COORDINATE WITH OWNER.
 - ALL OTHER SALVAGED MATERIAL SHALL BE RELOCATED TO AN ON-SITE STORAGE LOCATION, COORDINATE WITH OWNER.
 - ALL PIPE ENDS SHALL BE CAPPED UNTIL PERMANENT GCCS COMPONENTS CAN BE CONSTRUCTED. MAXIMUM SHUT DOWN OF GCCS IS 8 HOURS.
 - THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE UNKNOWN (SHOWN AT APPROXIMATE LOCATIONS) AND SHALL BE FIELD VERIFIED BY CONTRACTOR. UTILITIES MAY INCLUDE ELECTRIC, LEACHATE GRAVITY PIPING, LEACHATE FORCEMAINS, LANDFILL GAS PIPING, STORMWATER SUBDRAIN PIPE, ETC.



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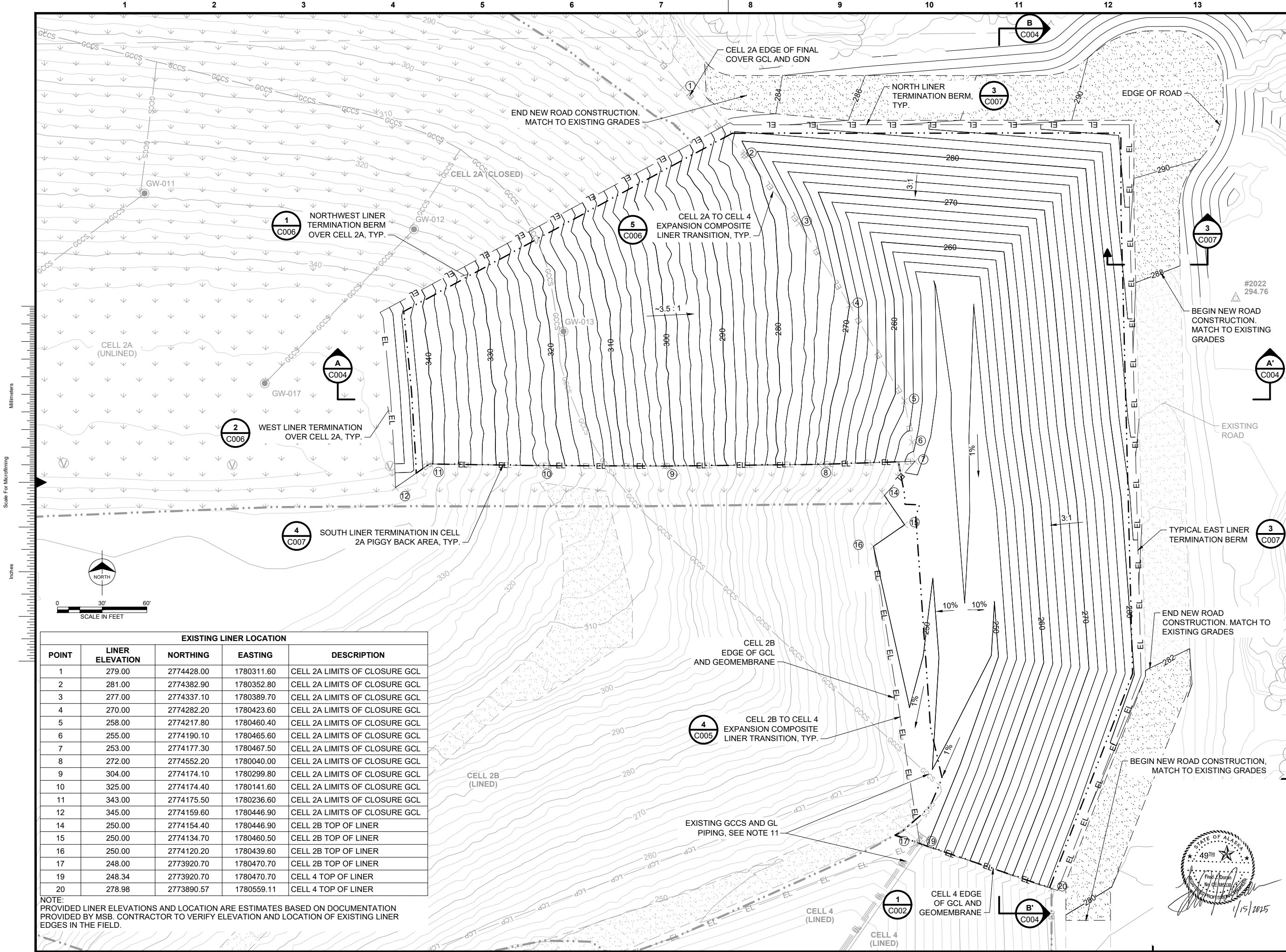
date	JANUARY 2025	detailed	R. HEAMAN
designed	M. AULT	checked	F. DORAN



MATANUSKA-SUSITNA BOROUGH, ALASKA

CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
DEMOLITION PLAN

project	167550	contract	AUTHORIZATION #14
drawing	C001	rev.	0
sheet	of	sheets	
file	C001 DEMOLITION.DWG		



NOTE:
PROVIDED LINER ELEVATIONS AND LOCATION ARE ESTIMATES BASED ON DOCUMENTATION
PROVIDED BY MSB. CONTRACTOR TO VERIFY ELEVATION AND LOCATION OF EXISTING LINER
EDGES IN THE FIELD.

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- NOTES:
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 - EXISTING SITE TOPOGRAPHY CREATED FROM VARIOUS SURVEYS. MOST RECENT SURVEY OF THE CELL 4 EXPANSION AREA CREATED FROM DRAFT LIDAR DATA FLOWN IN THE FALL OF 2019 BY MSB, THE ACCURACY OF THE DATA IS NOT GUARANTEED.
 - DESIGN CONTOURS REPRESENT TOP OF LINER AND HAUL ROAD GRADES. CONTOUR INTERVAL IS TWO FEET.
 - CELL 4 EXPANSION DESIGN GRADES ARE INTENDED TO TIE-IN TO EXISTING CELL 2A, 2B, AND 4 COMPOSITE LINER SYSTEM BASED ON BEST AVAILABLE INFORMATION. FIELD ADJUSTMENTS MAY BE REQUIRED.
 - TOP OF LINER ELEVATIONS IN CELL 2A BASED ON EXISTING GRADES LOWERED 2 FEET TO ESTIMATED LOCATION OF EXISTING GCL. FIELD ADJUSTMENTS MAY BE REQUIRED.
 - LLDPE GEOMEMBRANE LINER SHALL BE PLACED ON TOP OF NEW GCL IN CELL 2A WITHIN THE EDGE OF LINER BOUNDARY.
 - TIE-IN FOR TOP OF LINER GRADES NOT SHOWN BEYOND GEOMEMBRANE LINER EXTENTS. SEE RELEVANT DETAILS FOR EXTENT OF GEOMEMBRANE LINER TIE-IN TO SURROUNDING EXISTING GRADES.
 - CONTRACTOR IS RESPONSIBLE FOR MANAGING LEACHATE ENCOUNTERED DURING GRADING AND LINER TIE-IN FOR ENTIRE DURATION OF THE PROJECT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGED GEOMEMBRANE LINER REGARDLESS IF DAMAGE WAS EXISTING OR CAUSED BY CONTRACTOR ACTIVITIES.
 - CONTRACTOR MAY ENCOUNTER WASTE-CONTAMINATED SOIL DURING GRADING ACTIVITIES. COORDINATE WITH OWNER FOR DISPOSAL. WASTE ENCOUNTERED DURING GRADING ACTIVITIES SHALL NOT BE CAUSE FOR A CHANGE ORDER.
 - GCCS MODIFICATIONS SHOWN ON C001 AND C008.



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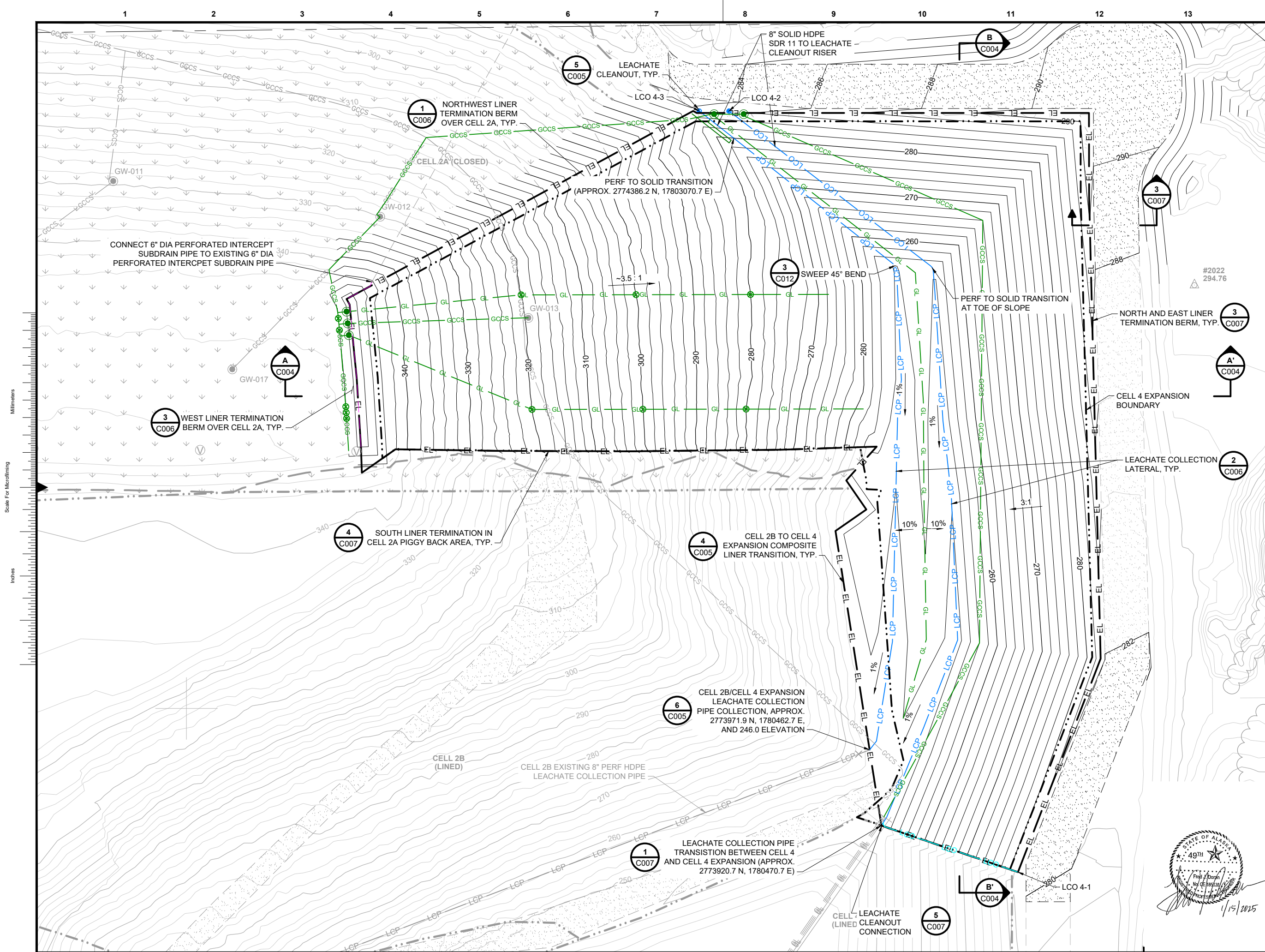
date	JANUARY 2025	detailed	R. HEAMAN
designed	M. AULT	checked	F. DORAN



MATANUSKA-SUSITNA BOROUGH, ALASKA

CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
TOP OF LINER PLAN

project	167550	contract	AUTHORIZATION #14
drawing	C002	rev.	0
sheet	of	sheets	
file	C002 TOP OF LINER PLAN.DWG		



rcheaman Jan 13, 2025 - 6:16pm - Z:\Clients\ENS\MatSuBorough\167550_Cell4ExpDesign\Design\CADD\Dwgs\C003 Leachate Piping Plan.dwg

no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

1. EXISTING SITE FEATURES SHOWN PROVIDED BY MSB.
2. EXISTING SITE TOPOGRAPHY CREATED FROM VARIOUS SURVEYS. MOST RECENT SURVEY OF THE CELL 4 EXPANSION AREA CREATED FROM DRAFT LIDAR DATA FLOWN IN THE FALL OF 2019 BY MSB, THE ACCURACY OF THE DATA IS NOT GUARANTEED.
3. GDM SHALL BE A MINIMUM THICKNESS OF 1'-6". DESIGN CONTOURS SHOWN REPRESENT 1'-6" OF GDM ABOVE DESIGNED TOP OF LINER GRADES. REFER TO C006 FOR DETAILED GRADING INFORMATION.
4. CONTOUR INTERVAL IS TWO FEET.
5. EACH NEW CLEANOUT SHALL BE LABELED WITH THE NUMBER SHOWN IN THE DRAWINGS. ACCEPTABLE LABELS INCLUDE ALUMINUM SIGNS OR OUTDOOR-RATED STICKERS IN LEGIBLE FONT AT AN APPROPRIATE SIZE.
6. CONTRACTOR SHALL PROTECT EXISTING LEACHATE COLLECTION PIPING AND TIE-IN POINTS.
7. FOR LOCATION OF GCCS PIPING, REFER TO C008.

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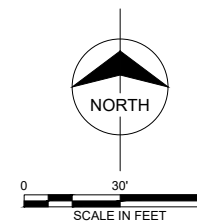
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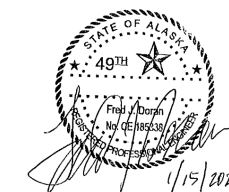
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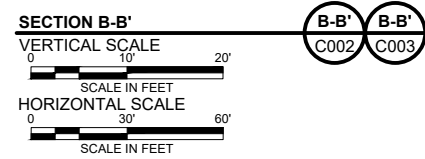
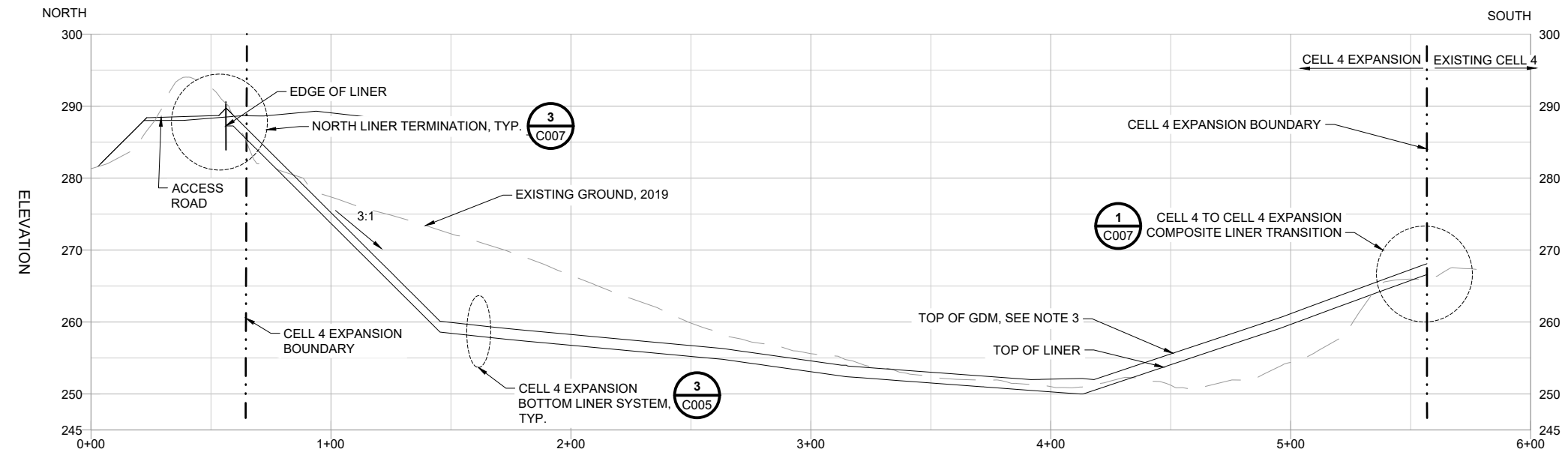
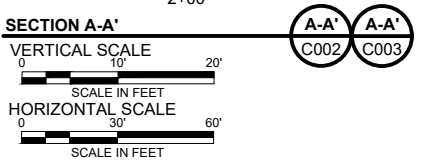
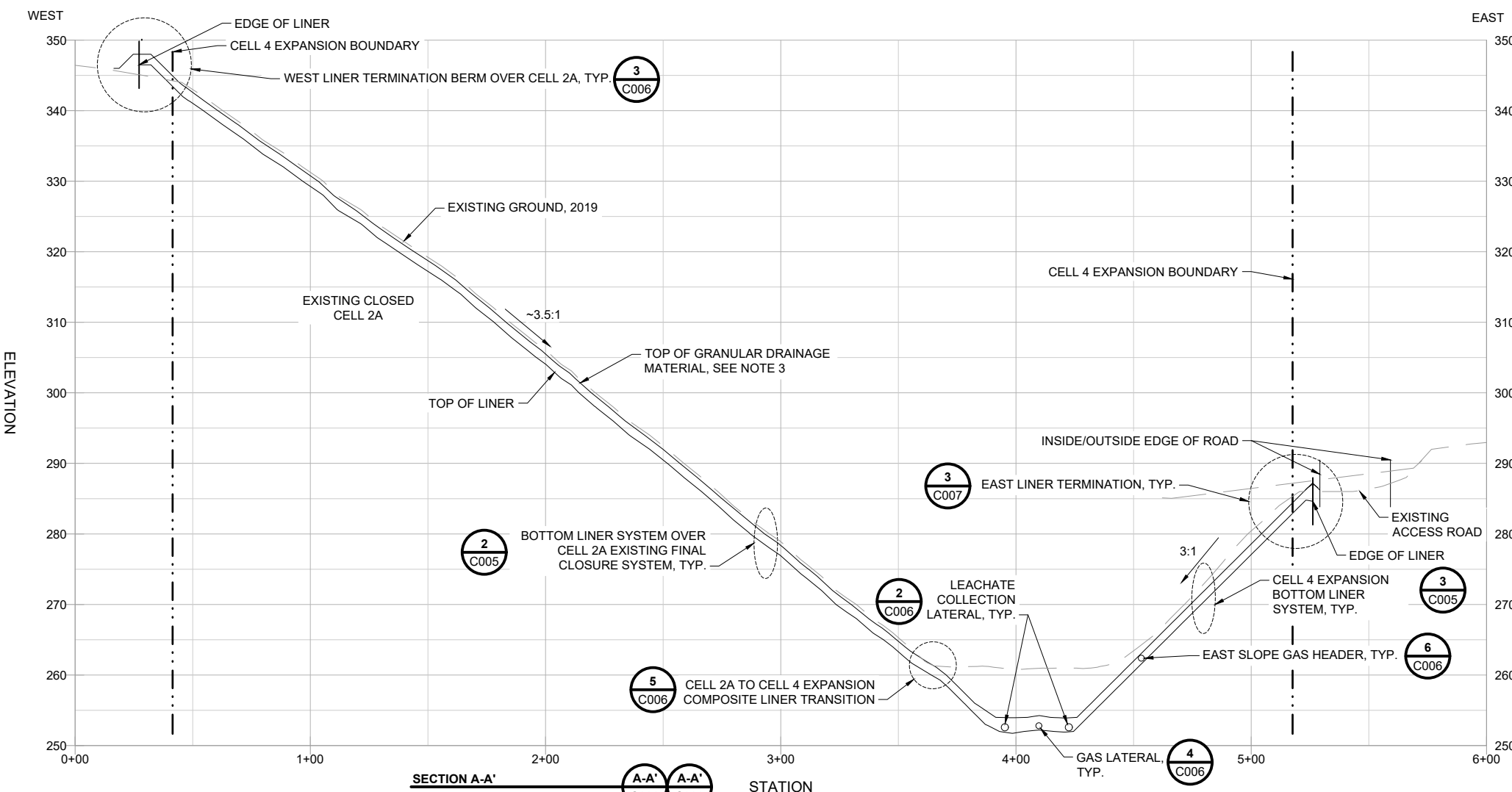


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CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
LEACHATE PIPING PLAN





no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

- NOTES:
- EXISTING SITE FEATURES SHOWN PROVIDED BY MSB.
 - EXISTING SITE TOPOGRAPHY CREATED FROM VARIOUS SURVEYS. MOST RECENT SURVEY OF THE CELL 4 EXPANSION AREA CREATED FROM DRAFT LIDAR DATA FLOWN IN THE FALL OF 2019 BY MSB, THE ACCURACY OF THE DATA IS NOT GUARANTEED.
 - GDM SHALL BE MINIMUM THICKNESS OF 1'-6". DESIGN CONTOURS SHOWN REPRESENT 1'-6" OF GDM ABOVE DESIGNED TOP OF LINER GRADES. REFER TO C006 FOR DETAIL GRADING INFORMATION.



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date JANUARY 2025	detailed R. HEAMAN
designed M. AULT	checked F. DORAN

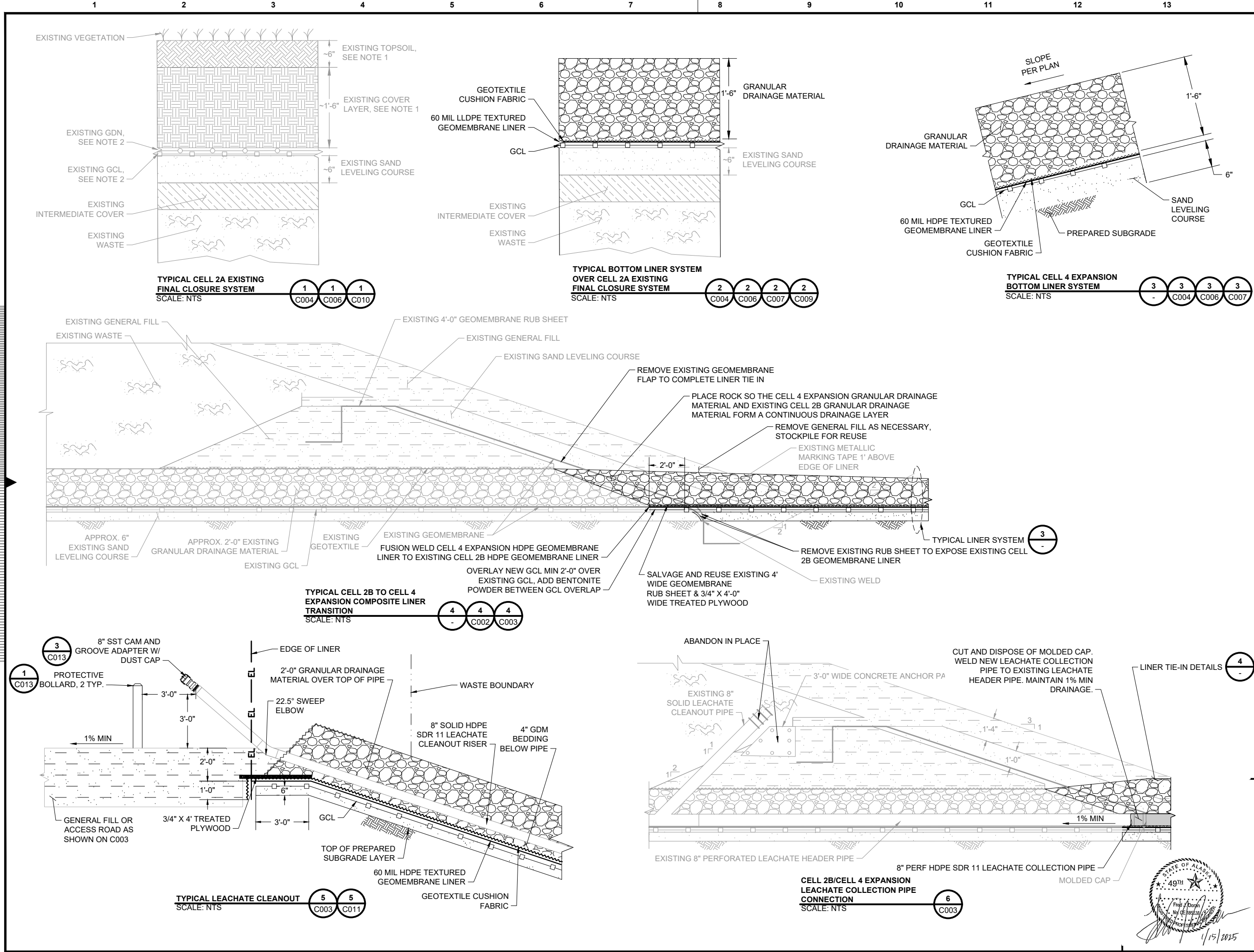


MATANUSKA-SUSITNA BOROUGH, ALASKA

CENTRAL LANDFILL (SW-1A007-26)
CELL 4 EXPANSION CONSTRUCTION
CROSS SECTIONS

project 167550	contract AUTHORIZATION #14
drawing C004	rev. 0
sheet	of sheets
file	C004 CROSS SECTIONS.DWG

STATE OF ALASKA
49TH
F. DORAN
1/15/2025



no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

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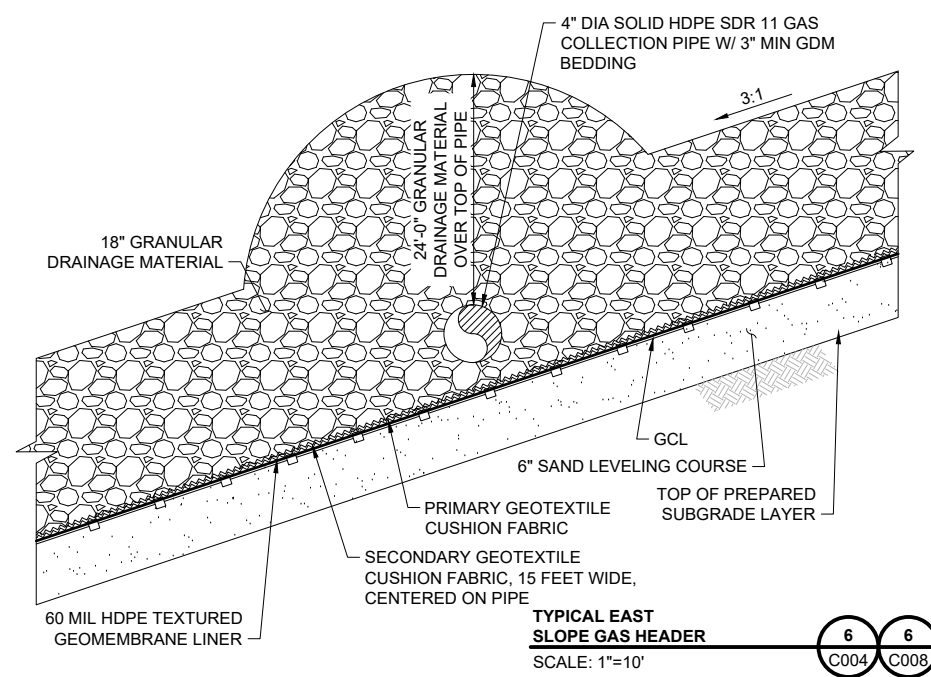
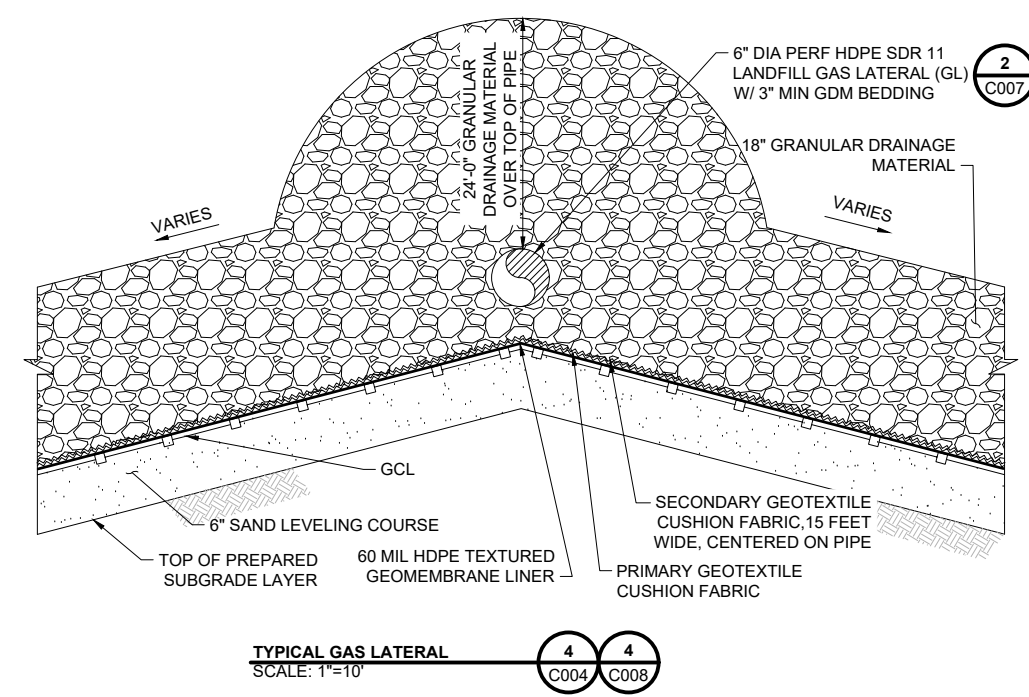
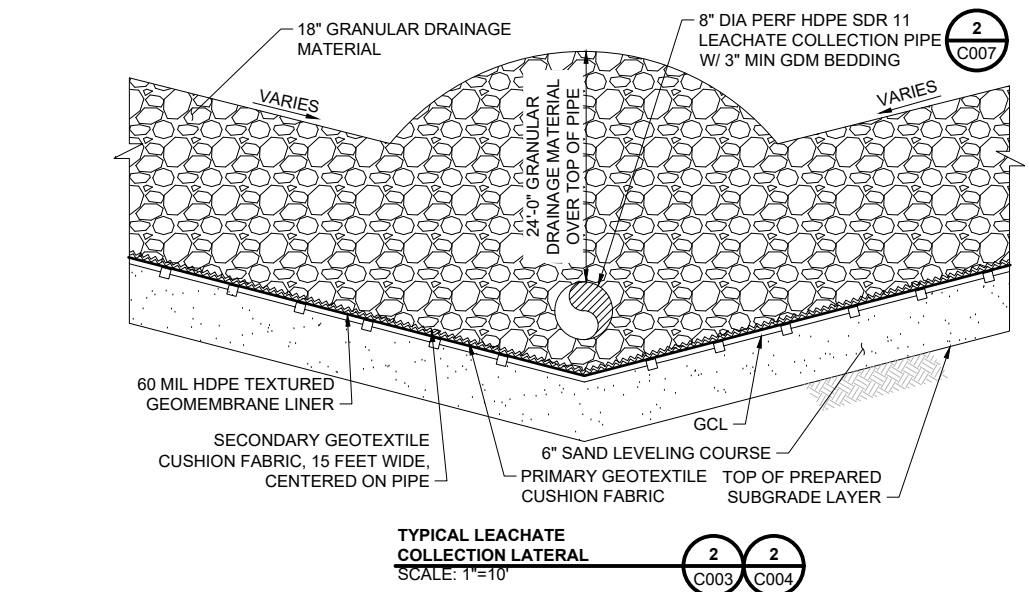
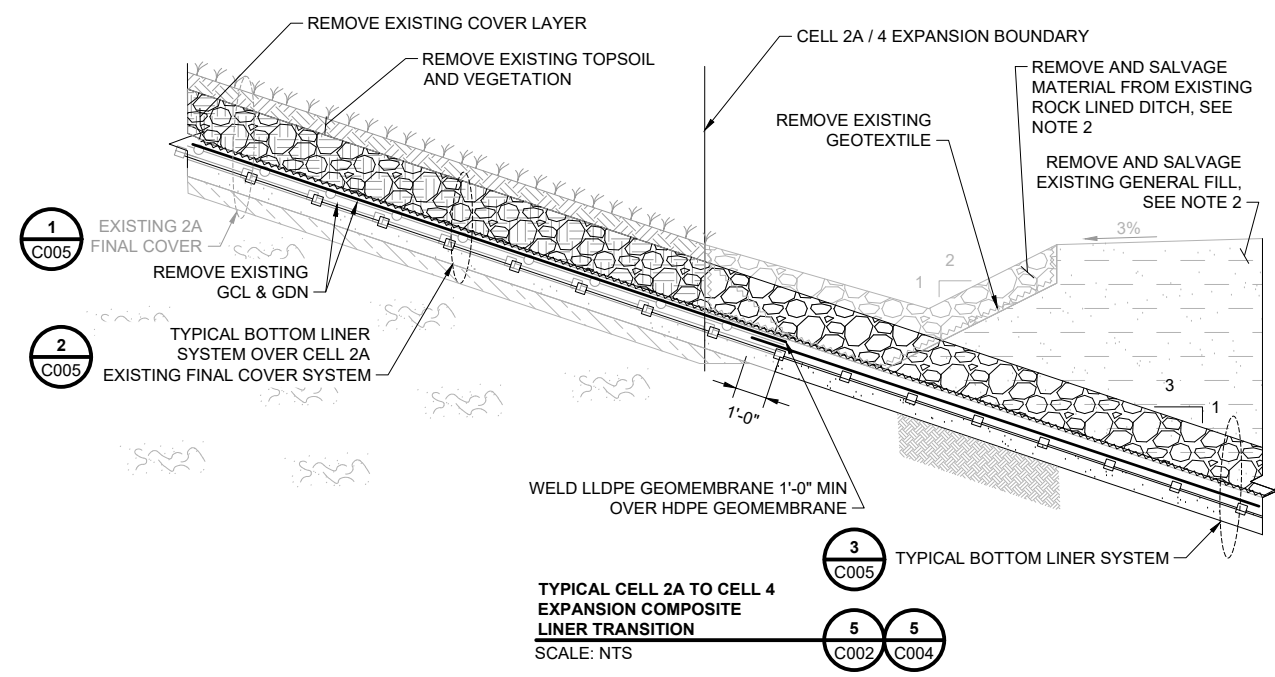
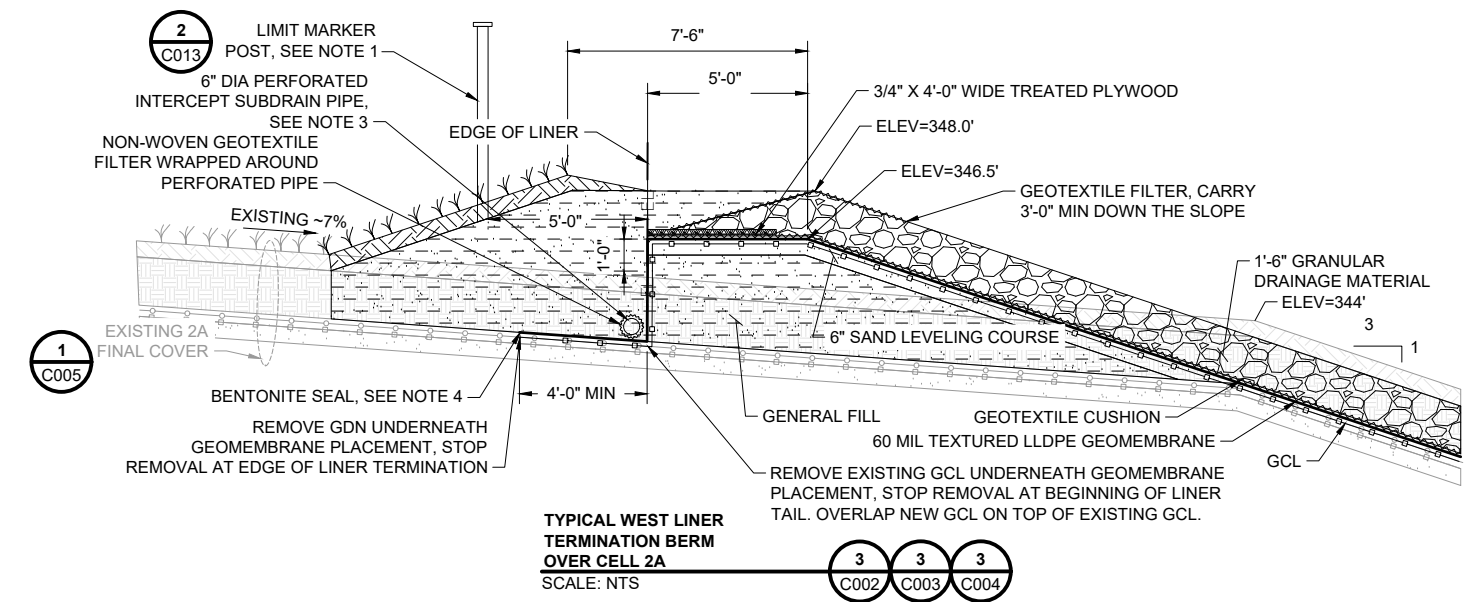
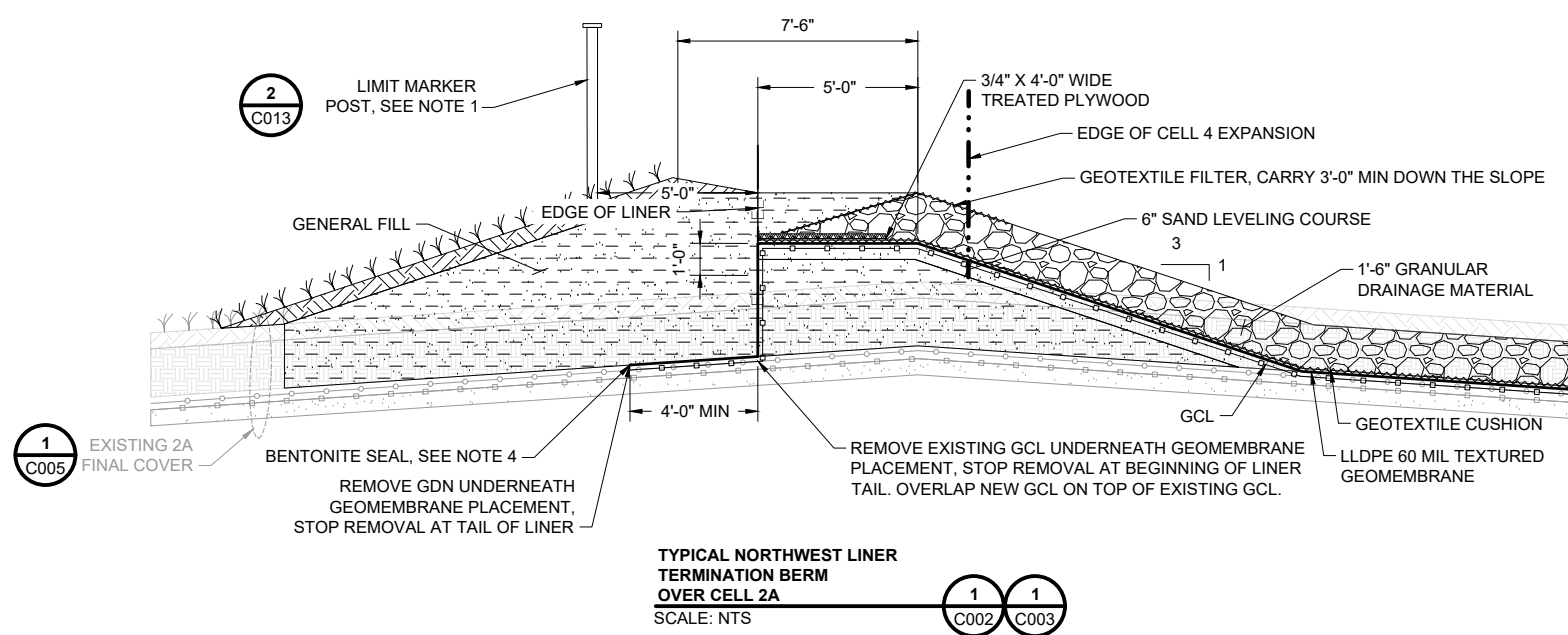
date	JANUARY 2025	detailed	R. HEAMAN
designed	M. AULT	checked	F. DORAN

Matanuska-Susitna Borough, Alaska

CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
CONSTRUCTION DETAILS, 1 OF 3

project	167550	contract	AUTHORIZATION #14
drawing	C005	rev.	0
sheet	of	sheets	
file C005 CONSTRUCTION DETAILS, 1 OF 3.DWG			

Millimeters
Inches
Scale For Microfilming



no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

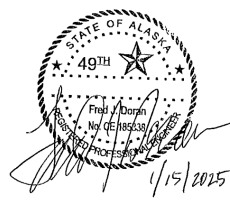
- NOTES:
1. LIMIT MARKER POSTS SHALL BE PLACED EVERY 100-FEET ALONG THE CELL BOUNDARY. LIMIT MARKERS SHALL BE OFFSET 5 FEET TO THE OUTSIDE OF THE EDGE OF LINER ON TOP OF THE 2A PIGGYBACK. LIMIT MARKERS SHALL BE PLACED 1 FOOT OUTSIDE THE EDGE OF LINER BOUNDARY ON THE ACCESS ROAD PERIMETER.
 2. SALVAGE ROCK AND GENERAL FILL, COORDINATE WITH OWNER.
 3. CONNECT 6" DIA. PERFORATED INTERCEPT SUBDRAIN PIPE INTO EXISTING 6" DIA. NON-PERFORATED INTERCEPT SUBDRAIN PIPE, SEE C003 FOR INTERCEPT SUBDRAIN PIPE AND CONNECTION LOCATIONS.
 4. SPREAD BENTONITE ON TOP OF LLDPE GEOMEMBRANE 12" WIDE, 1" DEEP, CENTERED ALONG EDGE OF LINER.

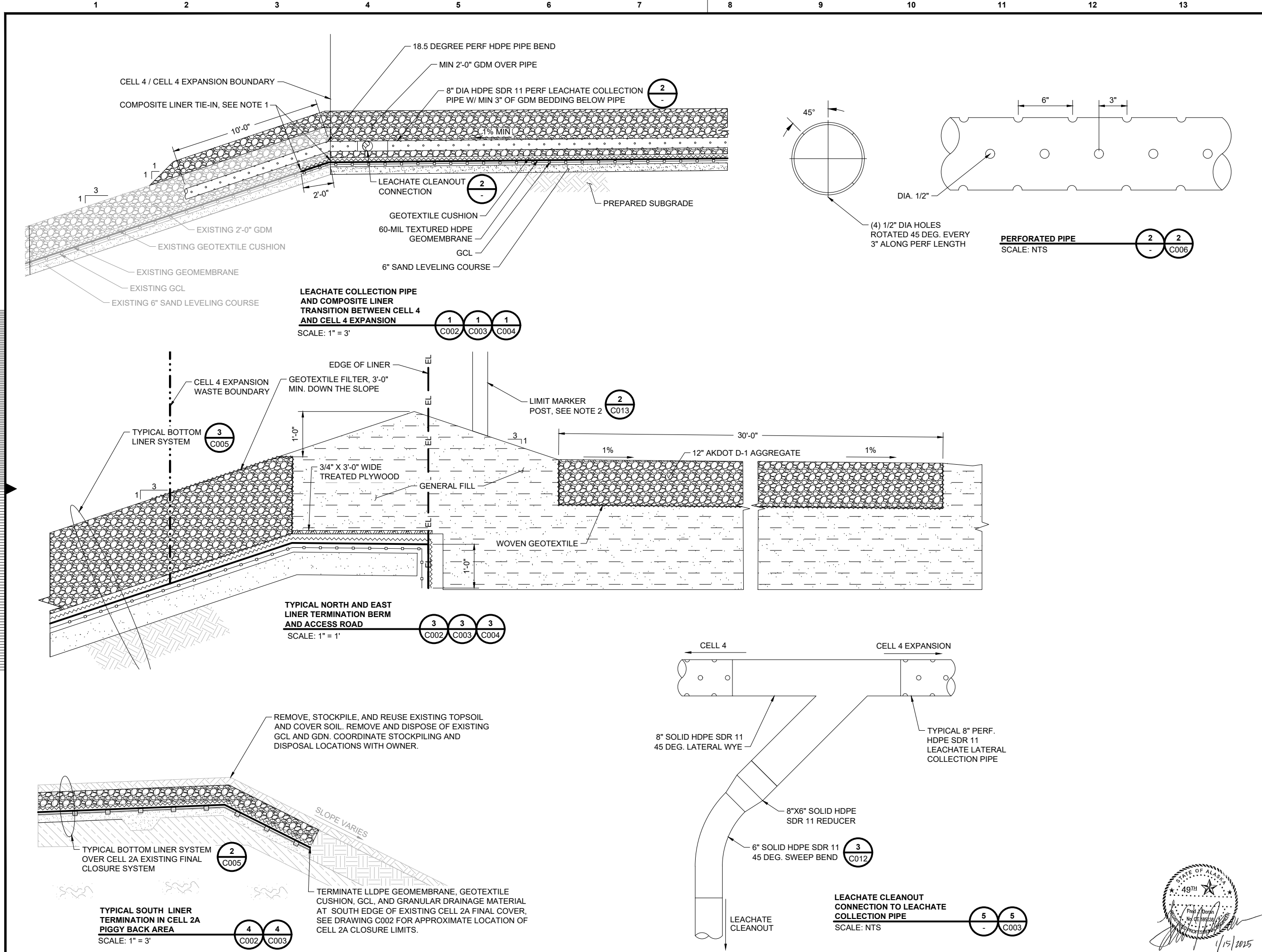


Burns & McDonnell Engineering Co., Inc. LICENSE NO. AECC322			
date	JANUARY 2025	detailed	R. HEAMAN
designed	M. AULT	checked	F. DORAN



MATANUSKA-SUSITNA BOROUGH, ALASKA			
CENTRAL LANDFILL (SW1A007-26) CELL 4 EXPANSION CONSTRUCTION CONSTRUCTION DETAILS, 2 OF 3			
project	167550	contract	AUTHORIZATION #14
drawing	C006	rev.	0
sheet	of	sheets	
file C006 CONSTRUCTION DETAILS, 2 OF 3.DWG			





no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

- NOTES:
- UNCOVER EXISTING NORTHERN EDGE OF CELL 4 GEOMEMBRANE. EXPOSE A MINIMUM OF 2'-0" OF EXISTING GCL. OVERLAY NEW GCL ON TOP OF EXISTING GCL WITH A MINIMUM OF 2'-0" OVERLAP. PLACE POWERED BENTONITE BETWEEN GCL OVERLAP. FUSION WELD EXISTING GEOMEMBRANE AND NEW GEOMEMBRANE TOGETHER.
 - LIMIT MARKER POSTS SHALL BE PLACED EVERY 100-FEET ALONG THE CELL BOUNDARY. LIMIT MARKERS SHALL BE OFFSET 5 FEET TO THE OUTSIDE OF THE EDGE OF LINER ON TOP OF THE 2A PIGGYBACK. LIMIT MARKERS SHALL BE PLACED 1 FOOT OUTSIDE THE EDGE OF LINER BOUNDARY ON THE ACCESS ROAD PERIMETER.



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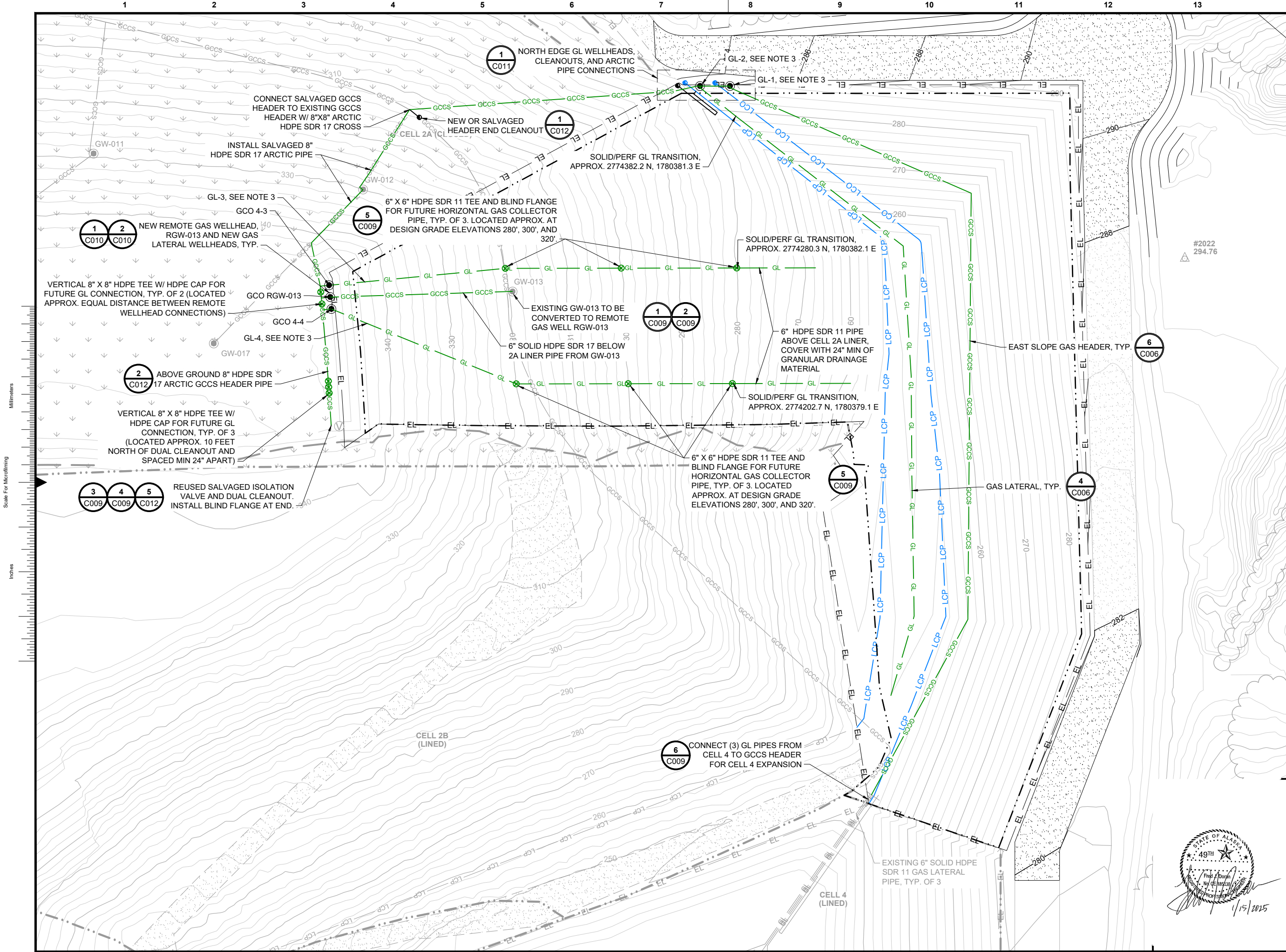
date	JANUARY 2025	detailed	R. HEAMAN
designed	M. AULT	checked	F. DORAN



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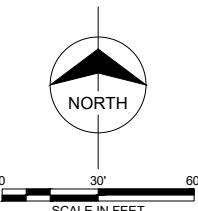
CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
CONSTRUCTION DETAILS, 3 OF 3

project	167550	contract	AUTHORIZATION #14
drawing	C007	rev.	0
sheet	of	sheets	
file	C007 CONSTRUCTION DETAILS, 3 OF 3.DWG		



no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

- NOTES:
- EXISTING SITE FEATURES SHOWN PROVIDED BY MSB.
 - EXISTING SITE TOPOGRAPHY CREATED FROM VARIOUS SURVEYS. MOST RECENT SURVEY OF THE CELL 4 EXPANSION AREA CREATED FROM DRAFT LIDAR DATA FLOWN IN THE FALL OF 2019 BY MSB, THE ACCURACY OF THE DATA IS NOT GUARANTEED.
 - EACH NEW CLEANOUT, GAS WELL, AND GAS LATERAL SHALL BE LABELED WITH THE NUMBER SHOWN IN THE DRAWINGS. ACCEPTABLE LABELS INCLUDE ALUMINUM SIGNS OR OUTDOOR-RATED STICKERS IN LEGIBLE FONT AT AN APPROPRIATE SIZE.



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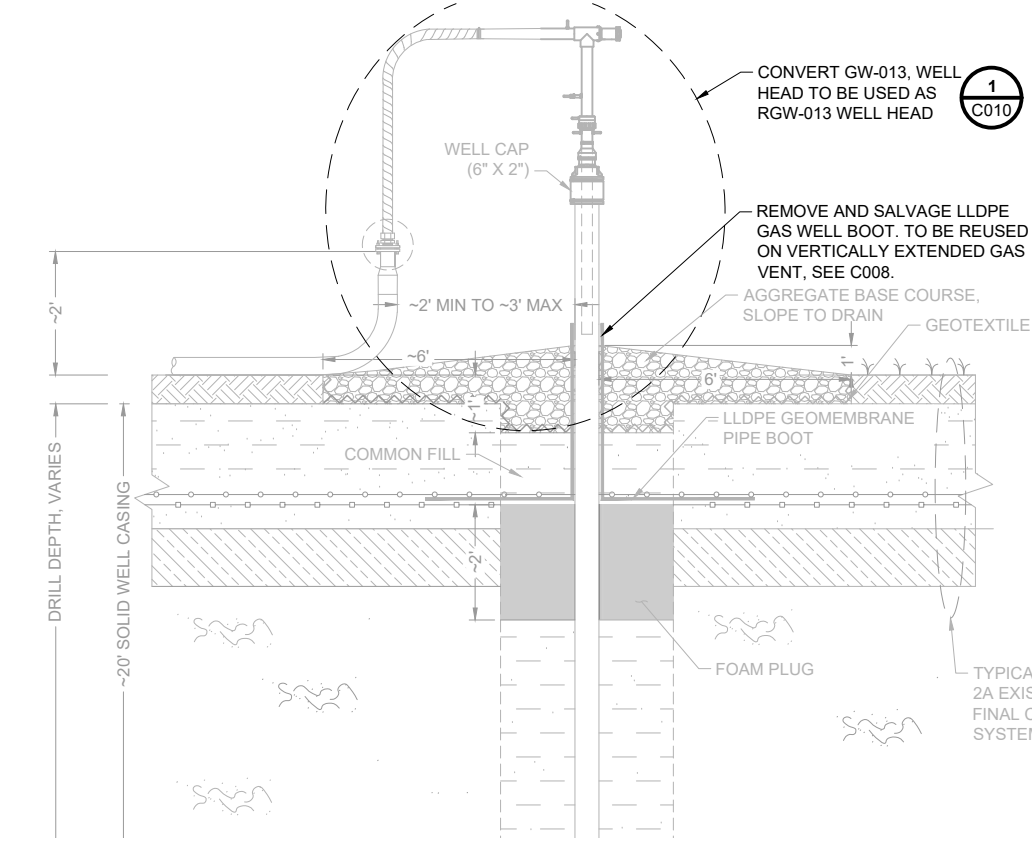
CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
GCCS RELOCATION PLAN

project 167550	contract AUTHORIZATION #14
drawing C008	rev. 0
sheet C008	of sheets
file C008 GCCS RELOCATION PLAN.DWG	

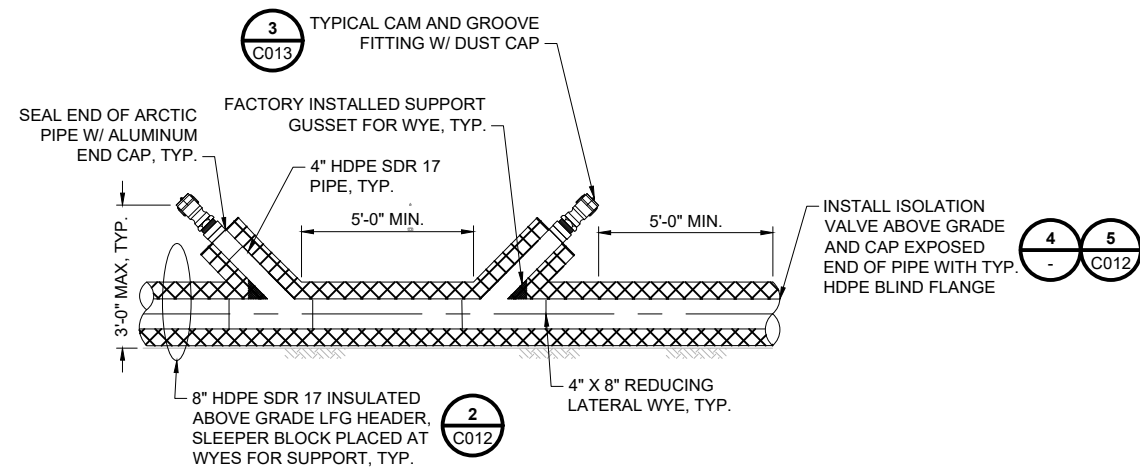
Scale For Microfilming

Inches

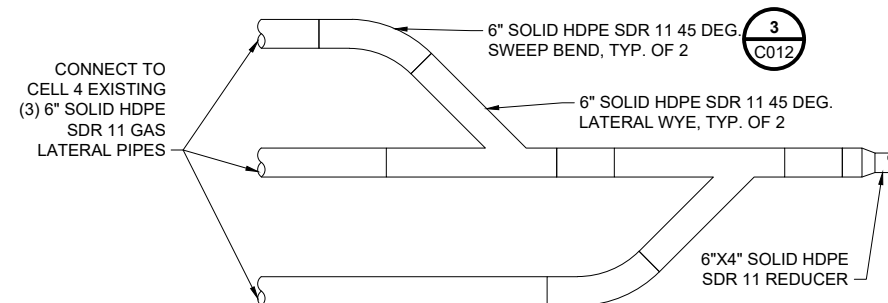
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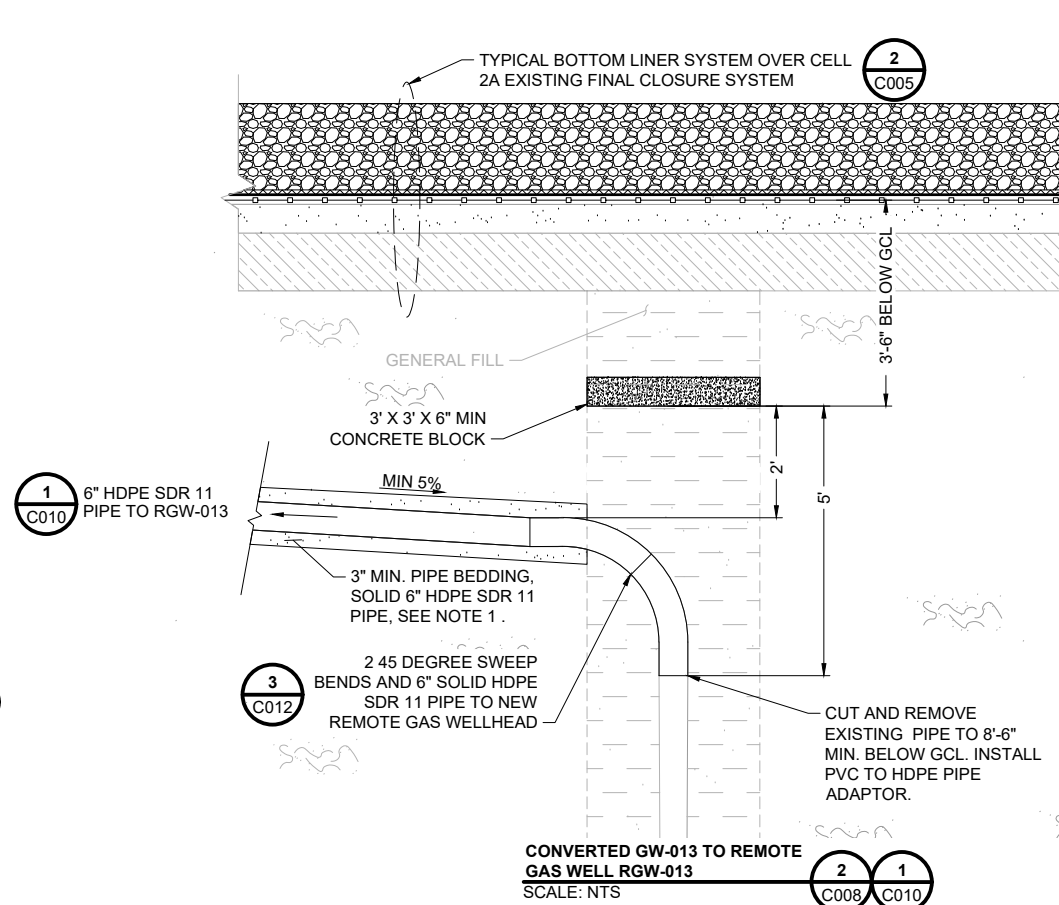
EXISTING GAS WELL GW-13
SCALE: NTS



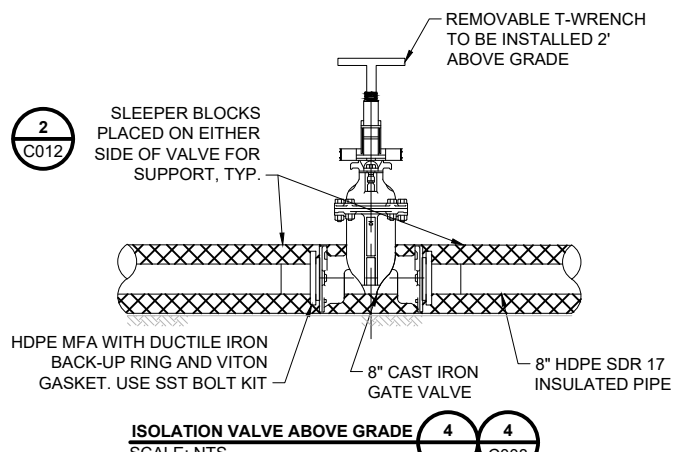
GCCS HEADER DUAL CLEANOUT
SCALE: NTS



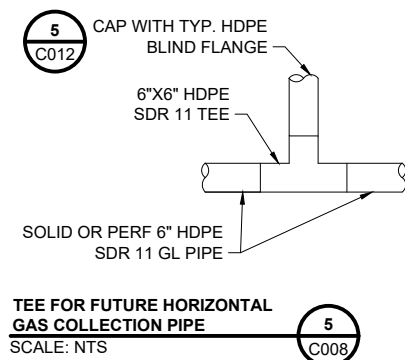
CELL 4 GL PIPE CONNECTION TO GCCS HEADER
SCALE: NTS



CONVERTED GW-013 TO REMOTE GAS WELL RGW-013
SCALE: NTS



ISOLATION VALVE ABOVE GRADE
SCALE: NTS



TEE FOR FUTURE HORIZONTAL GAS COLLECTION PIPE
SCALE: NTS

no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

NOTES:

- WASTE EXCAVATED DURING INSTALLATION OF REMOTE GAS WELL PIPE MAY BE BACKFILLED IN REMOTE GAS WELL TRENCH AFTER PLACEMENT OF PIPE AND BEDDING MATERIAL. WASTE BACKFILL SHALL EXTEND FROM THE TOP OF PIPE BEDDING MATERIAL TO NO MORE THAN TWO FEET BELOW THE GCL. FROM 24" TO 6" BELOW THE GCL, BACKFILL WITH GENERAL FILL. THE FINAL 6" BELOW THE GCL SHALL BE BACKFILLED WITH SAND LEVELING COURSE MATERIAL.



Burns & McDonnell Engineering Co, Inc.
LICENSE NO. AECC322

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designed M. AULT	checked F. DORAN

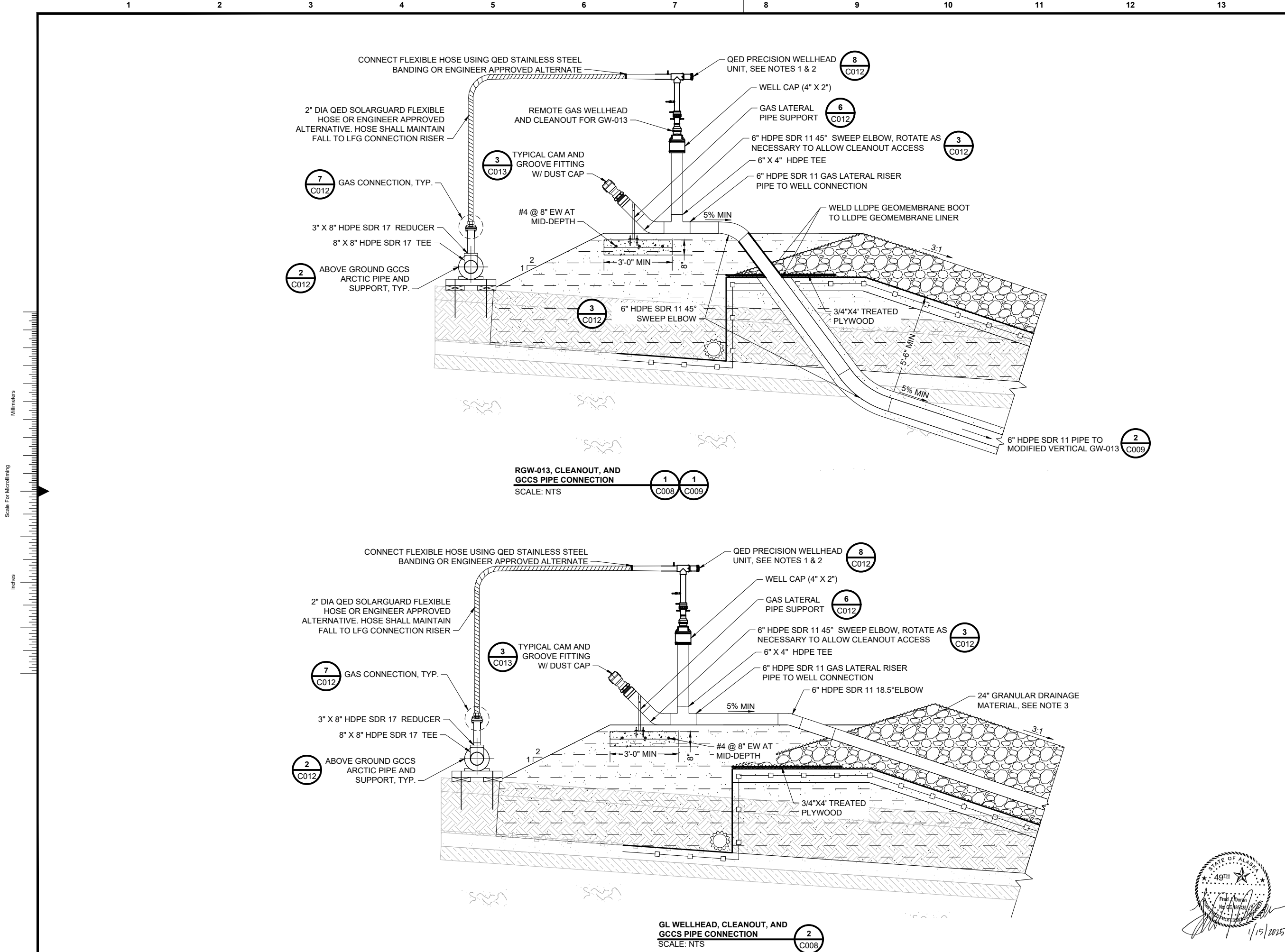


MATANUSKA-SUSITNA BOROUGH, ALASKA

CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
GCCS RELOCATION DETAILS, 1 OF 4

project 167550	contract AUTHORIZATION #14
drawing C009	rev. 0
sheet of	sheets
file C009 GCCS RELOCATION DETAILS, 1 OF 4.DWG	





no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

- NOTES:
1. THE WELLHEAD ASSEMBLY SHALL BE SUPPLIED AS A COMPLETE MANUFACTURED QED PRECISION WELLHEAD UNIT OR ENGINEER-APPROVED ALTERNATE. CONTRACTOR TO SUPPORT WELLHEAD WITH T-POSTS AND SLEEPER BLOCKS. CONTRACTOR SHALL MAINTAIN LINER INTEGRITY WHEN INSTALLING T-POSTS AND SLEEPER BLOCKS.
 2. INSTALL QED POLAR GUARD INSULATING WELLHEAD COVER, OR ENGINEER-APPROVED ALTERNATE, ON ALL WELLHEADS.
 3. CONTRACTOR SHALL MOUND 24" OF UNCOMPACTED GRANULAR DRAINAGE MATERIAL OVER ALL GAS LATERAL AND CONDENSATE DRAIN PIPING UNLESS OTHERWISE NOTED.



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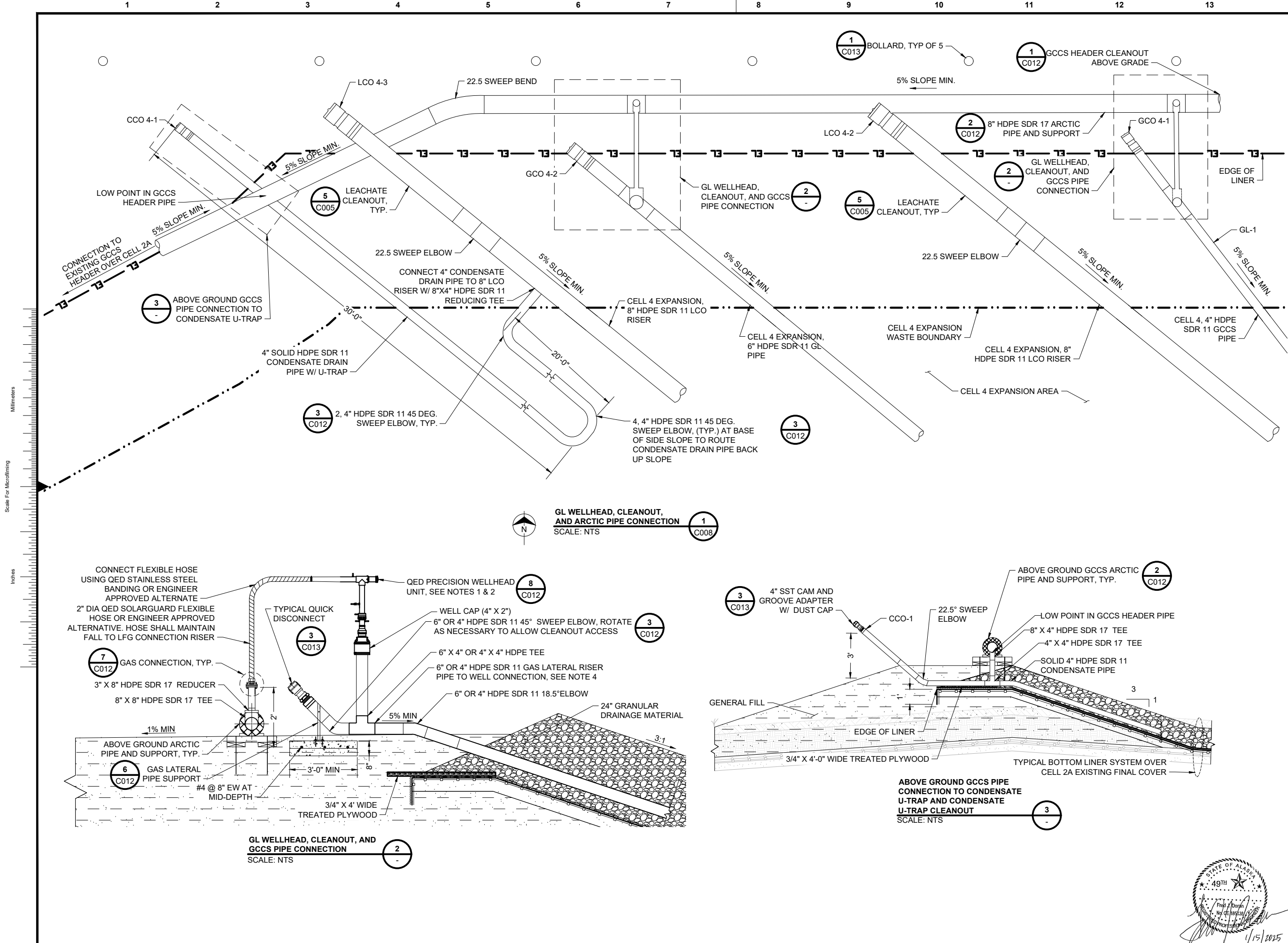
date JANUARY 2025	detailed R. HEAMAN
designed M. AULT	checked F. DORAN



MATANUSKA-SUSITNA BOROUGH, ALASKA

CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
GCCS RELOCATION DETAILS, 2 OF 4

project 167550	contract AUTHORIZATION #14
drawing C010	rev. 0
sheet of	sheets
file C010 GCCS RELOCATION DETAILS, 2 OF 4.DWG	



no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

- NOTES:
- THE WELLHEAD ASSEMBLY SHALL BE SUPPLIED AS A COMPLETE MANUFACTURED QED PRECISION WELLHEAD UNIT OR ENGINEER-APPROVED ALTERNATE. CONTRACTOR TO SUPPORT WELLHEAD WITH T-POSTS AND SLEEPER BLOCKS. CONTRACTOR SHALL ENSURE NOT TO PENETRATE EXISTING GCL LINER.
 - INSTALL QED POLAR GUARD INSULATING WELLHEAD COVER, OR ENGINEER-APPROVED ALTERNATE, ON ALL WELLHEADS.
 - CONTRACTOR SHALL MOUND 24" OF UNCOMPACTED GRANULAR DRAINAGE MATERIAL OVER ALL GAS LATERAL AND CONDENSATE DRAIN PIPING UNLESS OTHERWISE NOTED.
 - AFTER PROJECT IS COMPLETED, BOROUGH WILL COVER GAS LATERAL RISER PIPE TO WELL CONNECTION AND CLEANOUT WITH COMPOST FOR INSULATION.
 - WASTE EXCAVATED DURING INSTALLATION OF REMOTE GAS LATERAL PIPE MAY BE BACKFILLED IN REMOTE GAS LATERAL TRENCH AFTER PLACEMENT OF PIPE AND BEDDING MATERIAL. WASTE BACKFILL SHALL EXTEND FROM THE TOP OF PIPE BEDDING MATERIAL TO NO MORE THAN TWO FEET BELOW EXISTING GCL. THE FINAL 6 INCHES TO TWO FEET OF BACKFILL BELOW EXISTING GCL SHALL CONSIST OF GENERAL FILL. THE FINAL 6 INCHES SHALL CONSIST OF CUSHION LAYER MATERIAL.
 - COORDINATE WITH OWNER FOR DISPOSAL OF EXCESS EXCAVATED WASTE.
 - CONTRACTOR SHALL MAINTAIN LINER INTEGRITY WHEN INSTALLING T-POSTS AND SLEEPER BLOCKS.



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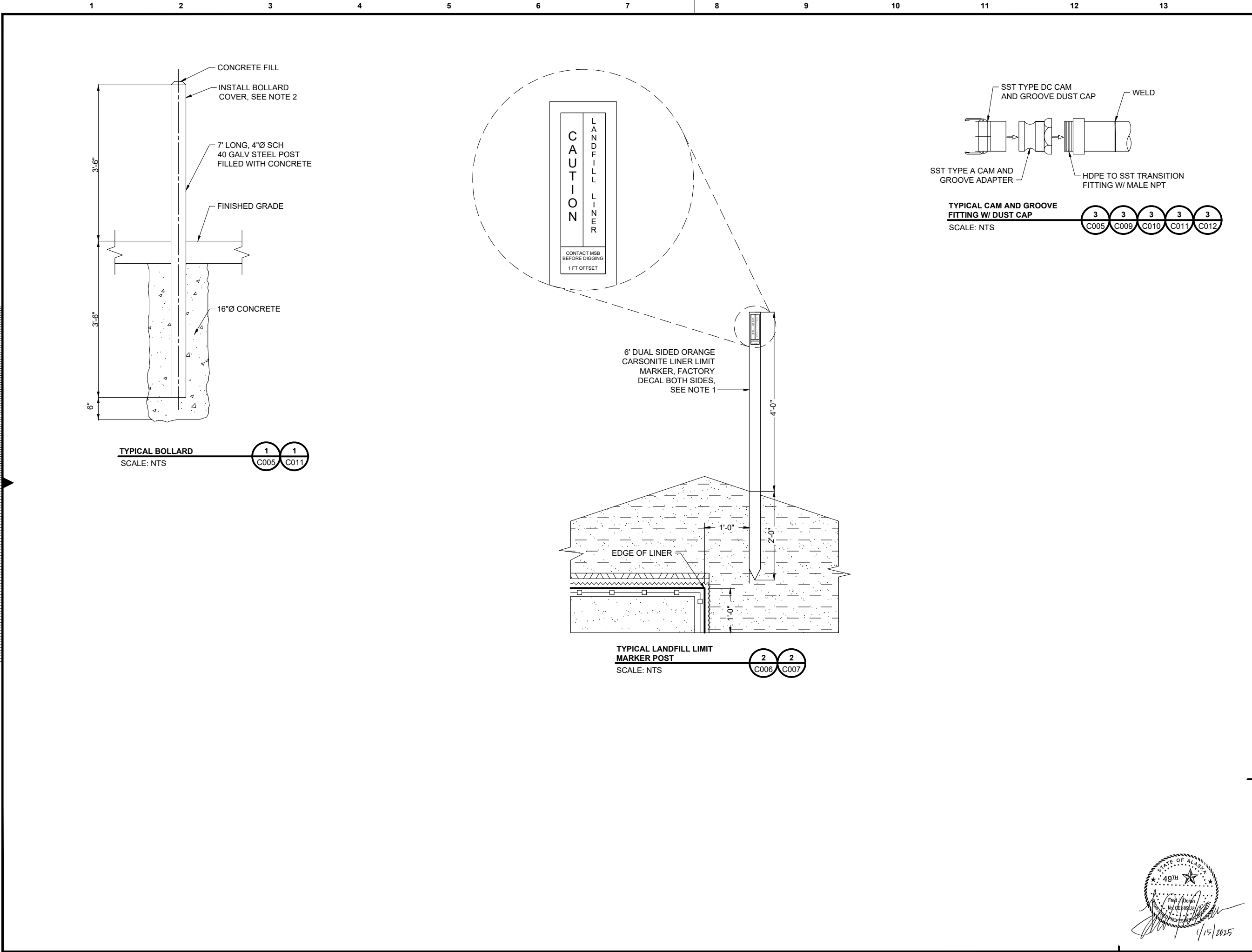
date	detailed
JANUARY 2025	R. HEAMAN
designed	checked
M. AULT	F. DORAN



MATANUSKA-SUSITNA BOROUGH, ALASKA

CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
GCCS RELOCATION DETAILS, 3 OF 4

project		contract	
167550		AUTHORIZATION #14	
drawing		rev.	
C011		0	
sheet		of	
file		sheets	
C011 GCCS RELOCATION DETAILS, 3 OF 4.DWG			



no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

- NOTES:
1. LIMIT MARKER POSTS SHALL BE PLACED EVERY 100-FEET ALONG THE CELL BOUNDARY. LIMIT MARKERS SHALL BE 1 FOOT OUTSIDE THE EDGE OF LINER BOUNDARY ON THE ACCESS ROAD PERIMETER AND 5 FEET OUTSIDE THE EDGE OF LINER BOUNDARY ON THE NORTH AND WEST SIDE OF THE CELL 2A PIGGYBACK PERIMETER.
 2. PROVIDE YELLOW GUARD POST COVERS MOLDED FROM A DURABLE POLYETHYLENE WITH ULTRA-VIOLET STABILIZERS TO ENSURE PRODUCT LIFE AND COLOR FASTNESS. SECURE THE POLYETHYLENE GUARD POST AND COVER OR SLEEVE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDED CARSONITE SAV-T SLEEVE, THE GUARD POST COVER OR SLEEVE, OR APPROVED EQUAL.



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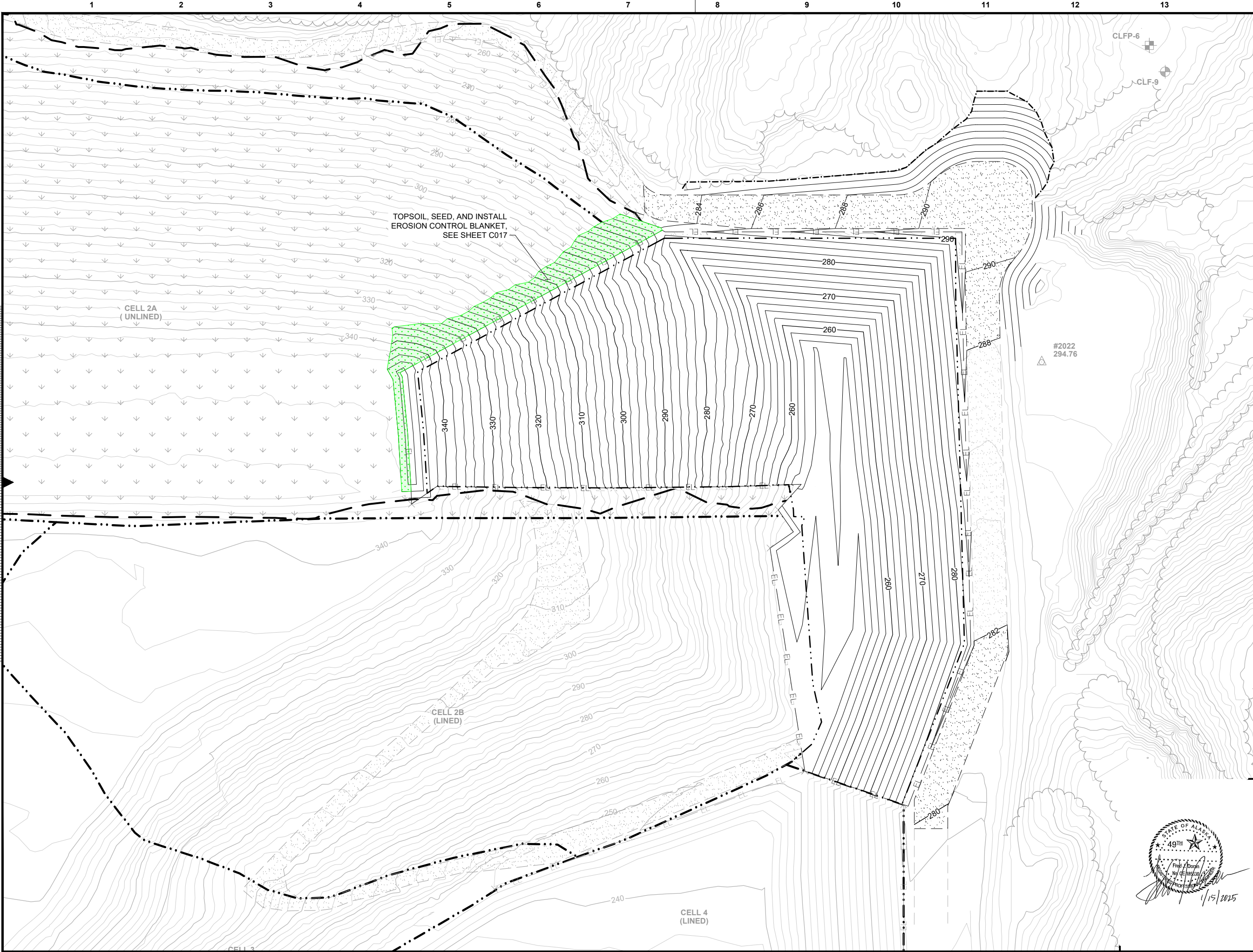
date JANUARY 2025	detailed R. HEAMAN
designed M. AULT	checked F. DORAN



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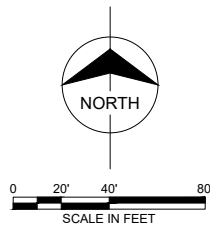
CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
MISCELLANEOUS CIVIL DETAILS

project 167550	contract AUTHORIZATION #14
drawing C013	rev. 0
sheet of	sheets
file C013 MISCELLANEOUS CIVIL DETAILS.DWG	



no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

- NOTES:
- EXISTING SITE FEATURES SHOWN PROVIDED BY MSB.
 - EXISTING SITE TOPOGRAPHY CREATED FROM VARIOUS SURVEYS. MOST RECENT SURVEY OF THE CELL 4 EXPANSION AREA CREATED FROM DRAFT LIDAR DATA FLOWN IN THE FALL OF 2019 BY MSB, THE ACCURACY OF THE DATA IS NOT GUARANTEED.
 - DESIGN CONTOURS REPRESENT TOP OF GRANULAR DRAINAGE MATERIAL AND ACCESS ROAD GRADES.



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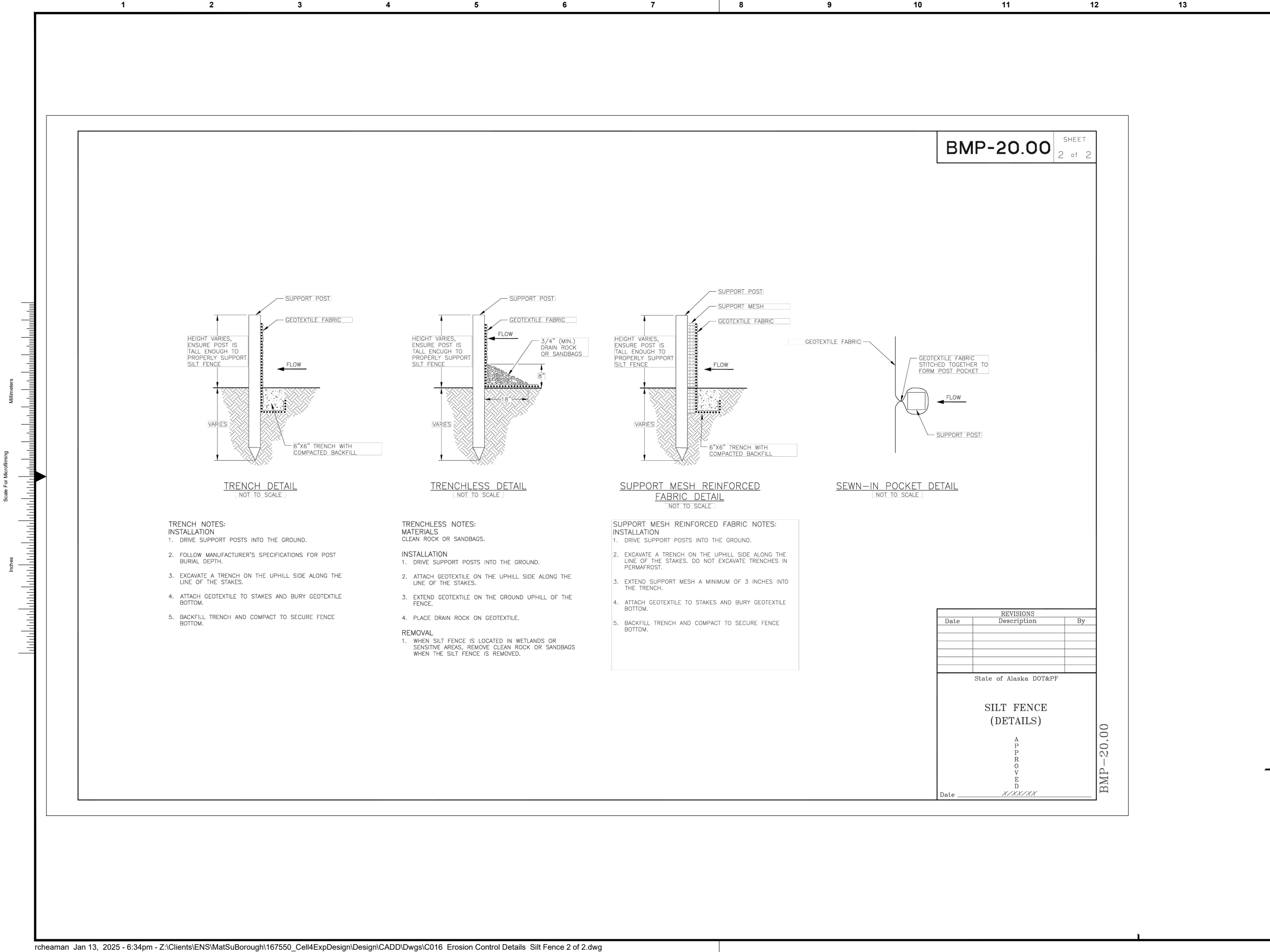
date JANUARY 2025	detailed R. HEAMAN
designed M. AULT	checked F. DORAN



Matanuska-Susitna Borough, Alaska

CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
EROSION CONTROL PLAN

project 167550	contract AUTHORIZATION #14
drawing C014	rev. 0
sheet of	sheets
file C014 EROSION CONTROL PLAN.DWG	



no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID


NOTES:

1. DETAILS RETRIEVED APRIL 2024 FROM ALASKA SWPPP GUIDE, APPENDIX B - ALASKA DOT&PF BMPS DATED MARCH 2021.

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designed M. AULT	checked F. DORAN



Matanuska-Susitna Borough, Alaska

CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
EROSION CONTROL DETAILS,
SILT FENCE 2 OF 2

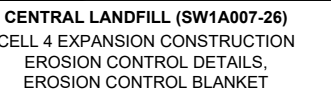
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drawing C016	rev. 0

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1. DETAILS RETRIEVED APRIL 2024 FROM ALASKA SWPPP GUIDE, APPENDIX B - ALASKA DOT&PF BMPS DATED MARCH 2021.



date JANUARY 2025	detailed R. HEAMAN
designed M. AULT	checked F. DORAN



drawing rev.

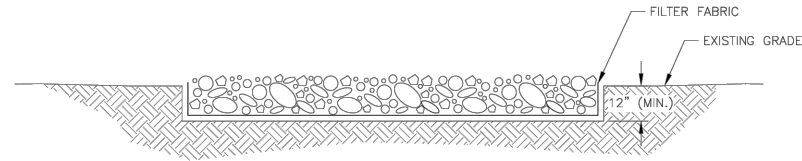
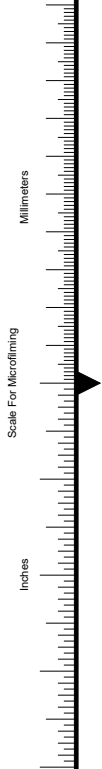
C017 - 0

sheet	of	sheets
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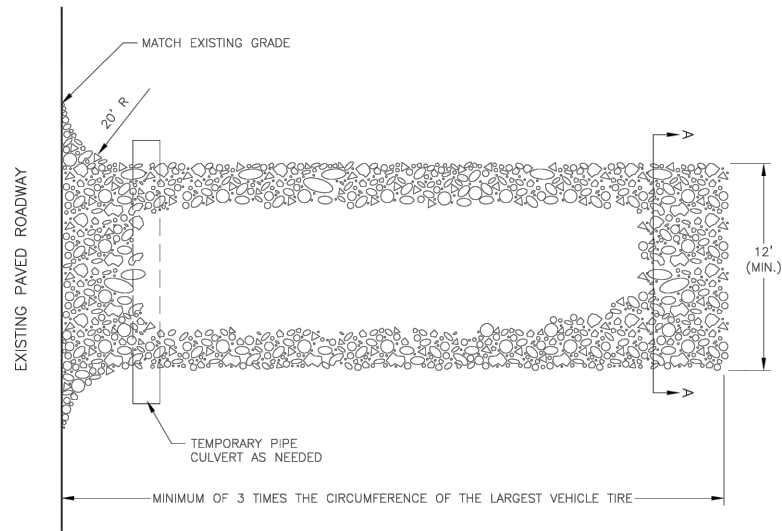
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no.	date	by	ckd	description
0	1/14/25	RCH	FJD	ISSUED FOR BID

- NOTES:
- DETAILS RETRIEVED APRIL 2024 FROM ALASKA SWPPP GUIDE, APPENDIX B - ALASKA DOT&PF BMPS DATED MARCH 2021.



SECTION A-A



PLAN

ROCK CONSTRUCTION EXIT
NOT TO SCALE

ROCK CONSTRUCTION EXIT NOTES:

MATERIALS

ROCK: 2- TO 3-INCH COARSE AGGREGATE OR 3- TO 6-INCH QUARRY SPALL OR ANGULAR ROCK, WHICHEVER IS APPROPRIATE TO THE PROJECT FLEET.

INSTALLATION

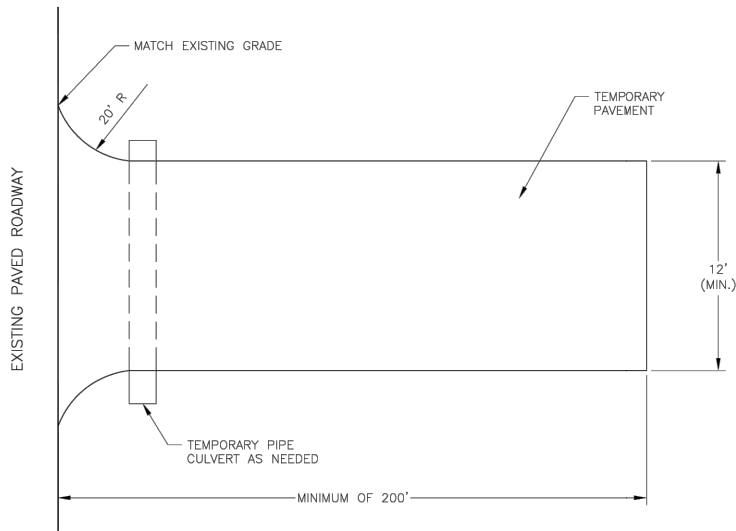
- PLACE THE FILTER FABRIC AND ROCK TO THE SPECIFIC GRADE SHOWN ON THE PLANS.

MAINTENANCE

- REMOVE ACCUMULATED SEDIMENT OR MUD.
- REPLACE ROCK MATERIAL WHEN SURFACE VOIDS ARE FILLED WITH SEDIMENT. REPLACE FABRIC AS NEEDED.
- TOP DRESS WITH 2 TO 3 INCHES OF COARSE AGGREGATE OR 3- TO 6-INCH COARSE ROCK WHEN THE PAD BECOMES LADEN WITH SEDIMENT.

INSPECTION

- INSPECT FOR ROCK THAT HAS BEEN DISPLACED FROM THE PAD.



PLAN

TEMPORARY PAVEMENT CONSTRUCTION EXIT
NOT TO SCALE

TEMPORARY PAVEMENT CONSTRUCTION EXIT NOTES:

INSPECTION

- INSPECT TEMPORARY PAVEMENT FOR DAMAGE.

MAINTENANCE

- SWEEP DESIGNATED PAVED EXIT TO PREVENT SEDIMENT TRACK-OUT.
- REPAIR DAMAGED TEMPORARY PAVEMENT.

BMP-23.00

SHEET
1 of 2

STABILIZED CONSTRUCTION EXIT GENERAL NOTES:

INSTALLATION

- INSTALL STABILIZED CONSTRUCTION EXIT PRIOR TO EARTH WORK.
- CLEAR THE EXIT AREA OF ALL VEGETATION, ROOTS, AND OTHER MATERIAL.
- PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP, VEGETATIVE SEDIMENT FILTER OR OTHER PROTECTED OUTLET.
- EXCAVATE AND GRADE THE AREA FOR ROCK PLACEMENT.
- INSTALL SIGNS, FENCING OR BARRICADES TO CHANNEL OUTGOING TRAFFIC TO THE STABILIZED CONSTRUCTION EXIT.

INSPECTION

- INSPECT STABILIZED CONSTRUCTION EXIT FOR SEDIMENT ACCUMULATION AND MATERIAL DISPLACEMENT.
- INSPECT ROADWAY FOR SEDIMENT TRACK-OUT.
- INSPECT DITCHES TO ENSURE NO SEDIMENT ACCUMULATION.

MAINTENANCE

- MAINTAIN EACH EXIT IN A CONDITION THAT WILL PREVENT TRACKING OF MUD OR SEDIMENT ONTO PUBLIC RIGHT-OF-WAY.
- REPAIR AND/OR CLEAN OUT ANY STRUCTURES USED TO TRAP SEDIMENT.
- REMOVE ALL MUD AND SEDIMENT DEPOSITED ON PAVED ROADWAYS.
- ADD MORE SIGNS, FENCING OR BARRICADES WHEN VEHICLES ARE EXITING THE PROJECT WITHOUT USING THE STABILIZED CONSTRUCTION EXIT. INSTALL ADDITIONAL STABILIZED CONSTRUCTION EXITS IF NEEDED, YET USE SIGNS AND BARRICADES TO MINIMIZE THE NUMBER OF STABILIZED CONSTRUCTION EXITS.
- PREVENT TRACK-OUT BY USING ADDITIONAL BMPS, SUCH AS A TIRE WASH.

REMOVAL

- REMOVE THE STABILIZED CONSTRUCTION EXIT AND ANY SEDIMENT TRAPPING STRUCTURES AFTER THEY ARE NO LONGER NEEDED, OR WITH FINAL SITE STABILIZATION.
- REGRADE AND PERMANENTLY STABILIZE THE REMAINING DISTURBED AREAS ACCORDING TO THE PLANS.

REVISIONS		
Date	Description	By
State of Alaska DOT&PF STABILIZED CONSTRUCTION EXIT (NOTES, ROCK & TEMPORARY PAVEMENT) APPROVED Date 12/2015 X/XX/XX		

BMP-23.00



Burns & McDonnell Engineering Co, Inc.
LICENSE NO. AECC322

date JANUARY 2025	detailed R. HEAMAN
designed M. AULT	checked F. DORAN



Matanuska-Susitna Borough, Alaska

CENTRAL LANDFILL (SW1A007-26)
CELL 4 EXPANSION CONSTRUCTION
EROSION CONTROL DETAILS,
STABILIZED CONSTRUCTION EXIT

project 167550	contract AUTHORIZATION #14
drawing C018	rev. 0
sheet	of sheets
file C018 EROSION CONTROL DETAILS, STAB. CONST. EXIT.DWG	