





PIERRE REGIONAL LANDFILL SITE LOCATION MAP

Contract Drawings For

Pierre Regional Landfill

Cell 4 Liner Construction

Project No. 10409741

Pierre, South Dakota January 2025

Approved	
South Dakota Departm of Agriculture and Natu Resources No. 8464 Feb. 26, 2025	ent ıral



Issued for Bids

INDEX OF DRAWINGS

GENERAL

6000	COVER SHEET
G001	CIVIL LEGEND AND SYMBOLOGY
G002	STORMWATER POLLUTION & PRE
G003	STORMWATER POLLUTION & PRE
G004	OVERALL SITE PLAN

2101	EXCAVATION GRADING PLAN
2102	EXCAVATION POINT TABLE
2103	LEACHATE COLLECTION PLAN
301	CROSS SECTIONS
501	LEACHATE COLLECTION DETAILS
502	MISCELLANEOUS DETAILS



REVENTION PLAN - NOTES REVENTION PLAN - SITE MAP



	1	2	3
		CIVIL	MAPPING SYMBOLOGY
Y Y	EMBANKMENT SLOPE (CUT)		
	EMBANKMENT SLOPE (FILL)	x	CULVERT END SYMBOL (WITH CULVERT SHOWN BETWEEN SYMBOLS) FIRE HYDRANT
H:V	EMBANKMENT SLOPE RIGHT ARROW RIGHT	(F)	FUEL OIL METER
H:V	EMBANKMENT SLOPE LEFT ARROW LEFT	E E	FUEL OIL MANHOLE
$\times_{\mathfrak{P}}$	SPOT ELEVATION/POINT #	F	FUEL OIL VAULT
	SURVEY BENCHMARK	GT	GREASE TRAP
CP-X	SURVEY CONTROL POINT	GC	GRIT CHAMBER
	HORIZONTAL CONTROL POINT		HEADWALL
\odot	VERTICAL CONTROL POINT		INDUSTRIAL WASTE WATER METER
	SECTION CORNER MONUMENT		INDUSTRIAL WASTE WATER MANHOLE
	SECTION CORNER NO MONUMENT	G	NATURAL GAS METER
$\bar{\mathbf{\Phi}}_{x}$	IDENTIFICATION AND APPROXIMATE LOCATION OF SOIL TEST HOLE	G	NATURAL GAS RECEIVER
₿,	TEST PIT	G	NATURAL GAS TRAP
Ø _x	SOIL BORING	G	NATURAL GAS LINE VAULT
₽	BUOY	MW	MONITORING WELL
~~~	FLOW ARROW		POST INDICATOR VALVE
$\overline{\underline{\bigtriangledown}}$	WATER LEVEL IN SECTION/PROFILE	PSX	PUMP STATION
	TIDE GAUGE	S	SANITARY MANHOLE
	EXISTING UTILITY POLE	ST	SEPTIC TANK
←	DOWNGUY	× ()	TANK BELOW GROUND
JX	EXTERIOR UTILITY JUNCTION BOX		TANK HORIZONTAL ABOVE GROUND
(XXX)	INTERSTATE HIGHWAY SYMBOL	\bigcirc^{x}	TANK VERTICAL ABOVE GROUND
	US HIGHWAY SYMBOL		
XXX	STATE HIGHWAY SYMBOL		
E	HAY BALE SILT CHECK		

O

 O_{x}

A

 \bigtriangleup

TEMPORARY SEDIMENT TRAP

PIEZOMETER

RAIL SIGNAL

RAIL SWITCH

TIRE TREDDLE

TRAFFIC ARM WITH CARD READER

TRAFFIC ARM MECHANICAL SWING

SIGN

			PROJECT MANAGER	G. WILLIAMS
			CIVIL	G. WILLIAMS
 			DRAWN BY	M. BICKFORD
 1	JAN 2025	ISSUED FOR BIDS		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10409471

	4	5	6
			UTILITY/C
СВ	STORM CATCH BASIN		PIPELINE
CB	STORM ROUND CATCH BASIN		LARGE PIPELINE
D	STORM DRAINAGE MANHOLE		UTILITY BENEATH STRUCTURE
ŀ	WATER/AIR VENT		CENTERLINE PROPERTY BOUNDARY
₩	WATER BACKFLOW PREVENTER		EASEMENT
••	WATER BLOWOFF		LIMITS OF CONSTRUCTION
$\langle W \rangle$	WATER METER		ROW
* ℃	WATER SHUTOFF	XXX	EXISTING FENCE
WS	WATER SOFTENER	X	EXISTING VEGETATION/BRUSH LINE FENCE - BARB WIRE
W	WATER VALVE VAULT		FENCE - CHAIN LINK
\bowtie	VALVE	x	FENCE - FIELD
⊕ GW-01	LANDFILL GAS WELL	xx	FENCE - OTHER
⊙ GV	LANDFILL GAS VALVE		FENCE - WOOD FENCE - WOVEN WIRE
ø	OVERHEAD POWER POLE		HIGHWAY GUARDRAIL
• G/W	GUY WIRE	RB	ROCK BERM
		SF SF SF	SILT FENCE
		· · · · · · · · ·	FLOOD LIMIT (25 YEAR)

* * * * * * * * * * * * * * * *

NATIVE SOIL (SECTION) PLACED SOIL (SECTION)

DAILY / INTERMEDIATE COVER (SECTION)

STRUCTURAL FILL SOIL (SECTION)

WASTE (SECTION)

RIP RAP (PLAN/SECTION)

LETDOWN (PLAN)

VEGETATIVE SOIL (SECTION)

PROTECTIVE SOIL (SECTION)

SAND / DRAINAGE LAYER (SECTION)

RECOMPACTED CLAY (SECTION)

GRAVEL / AGGREGATE (PLAN/SECTION)





FLOOD LIMIT (100 YEAR)

FLOOD LIMIT (200 YEAR)

PIERRE REGIONAL LANDFILL **CELL 4 CONSTRUCTION**

CIVIL LINE SYMBOLOGY

	FO	FO	FIBER OPTIC
	FOS	FOS	FUEL OIL
_	G	G	NATURAL GAS
	IW	IW	— INDUSTRIAL WASTE WATER
	SS	SS	— SANITARY SEWER
	SD	SD	STORM SEWER
	W	W	DOMESTIC WATER
_	NPW		DOMESTIC WATER NON-POTABLE
	OHE	OHE	OVERHEAD ELECTRICAL LINE
	UGE	UGE	UNDERGROUND ELECTRIC LINE
	LEA	LEA	LEACHATE PIPE (SOLID)
_		– <u>—</u> LEA ———	LEACHATE PIPE (PERFORATED)
	FM	FM	LEACHATE FORCEMAIN
_	——— A ———	——— A ———	COMPRESSED AIR LINE
_	C	c	CONDENSATE LINE
_	G	:W	GROUNDWATER PIPE
		— GWT —	GROUNDWATER CONTROL TRENCH

GENERAL NOTES:

1. THIS IS A STANDARD CIVIL SYMBOLOGY SHEET. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.

 SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.

CIVIL LEGEND AND SYMBOLOGY

FILENAME G001.dwg

SCALE NONE



THE NUMBERS K	GHT OF THE TITLE HEADINGS ARE REFERENCE NUMBERS TO THE GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES	
NON-STORM	NATER DISCHARGES (3.0)	OTHER
THE FOLLOWING	NON-STORMWATER DISCHARGES ARE ANTICIPATED DURING THE COURSE OF THIS PROJECT (CHECK ALL THAT APPLY).	
PAVE	HARGES FROM WATER LINE FLUSHING. EMENT WASH-WATER, WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED. ONTAMINATED GROUND WATER ASSOCIATED WITH DEWATERING ACTIVITIES.	
	MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. THESE MATERIALS WILL BE HANDLED AS NOTED UNDER EROSION AND SEDIMENT CONTROLS" AND "SPILL PREVENTION" (CHECK ALL THE APPLY).	
DETE ✓ PAIN ✓ META	ALS	
PETR CLEA WOO		
 ✓ CURI TEXT ✓ CHEI OTHE 	URE MICAL FERTILIZERS	<u>SPILL</u>
SITE DESCRI		MATERI
	SEE SHEET G004(4.2 1.b)	F
SITE MAP(S): SEE	IPTION: SEE TITLE SHEET (4.2 1.a.) TITLE SHEET AND PLANS (4.2 1.f. (1)-(6))	•
	URBING ACTIVITIES (CHECK ALL THAT APPLY) ARING AND GRUBBING	•
	AVATION/BORROW DING AND SHAPING	•
✓ FILLI CUTT	NG TING AND FILLING	•
OTHE	ER (DESCRIBE): OJECT AREA 36 ACRES (4.2.1.b.)	•
TOTAL ARI	EA TO BE DISTURBED 24 ACRES (4.2 1.b.) VEGETATIVE COVER (%): 10%	ł
SOIL PROF	PERTIES: LEAN AND SILTY CLAY (CL) (4.2 1.d.) RECEIVING WATER BODY/BODIES: MUSH CREEK (4.2 1.e.)	•
	ONSTRUCTION ACTIVITIES (4.2 1.c.)	•
TEMPORARILY OF DAYS.)	IEASURES SHALL BE INITIATED AS SOON AS POSSIBLE, BUT IN NO CASE LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS R PERMANENTLY CEASED. INITIATION OF FINAL OR TEMPORARY STABILIZATION MAY EXCEED THE 14-DAY LIMIT IF EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 21	•
	ALL EROSION AND SEDIMENT CONTROL DEVICES.	PRODU
 INST/ 	IRING AND GRUBBING. ALL LEACHATE COLLECTION PIPE AND AGGREGATES	111000
CELL	ALL DRAINAGE LAYER . EXCAVATION AND STOCKPILE DEVELOPMENT	
	GRADE PREPARATION AND SUMP GRADING PLETE ELECTRICAL INSTALL AND STARTUP FOR FLOWMETER AND PUMP CONTROLS	
	PLETE FINAL GRADING. DBILIZE	
EROSION AN	D SEDIMENT CONTROLS (4.2 2.a.(1)(a)-(f))	
(CHECK ALL THAT	TAPPLY)	
STABILIZATION P	RACTICES (SEE DETAIL PLAN SHEETS)	•
✓ SOD	PORARY OR PERMANENT SEEDING DING ITING	
✓ MUL	CHING (STRAW OR CELLULOSE FIBER) SION CONTROL BLANKETS OR MATS	٩
VEGE	ETATION BUFFER STRIPS	
	GHENED SURFACES (E.G. TRACKING) ONS-GABION MATTRESS	
	IN MPORARY EROSION AND SEDIMENT CONTROLS	SPILL C
		IN ADDI
-	W BALE CHECK	
TEMF	PORARY BERM PORARY SLOPE DRAIN	
	AW WATTLES OR ROLLS RSION CHANNELS/SWALES	
	VNEL LINERS (TRM) NE RIP RAP SHEET	
	K CHECK DAMS MENT TRAPS/BASINS	
	PROTECTION LET PROTECTION	
✓ SURI	FACE INLET PROTECTION B INLET PROTECTION	
✓ CUR	BILIZED CONSTRUCTION ENTRANCES	
OTHE		
OTHE		
OTHE WETLAND AVOID/ WILL CONSTRUC	TION AND/OR EROSION AND SEDIMENT CONTROLS IMPINGE ON REGULATED WETLANDS? YES NO IF YES, THE STRUCTURAL AND EROSION AND SEDIMENT CONTROLS JDED IN THE TOTAL PROJECT WETLAND IMPACTS AND HAVE BEEN INCLUDED IN THE 404 PERMIT PROCESS WITH THE USACE.	
OTHE WETLAND AVOID/ WILL CONSTRUC ^T HAVE BEEN INCLU	TION AND/OR EROSION AND SEDIMENT CONTROLS IMPINGE ON REGULATED WETLANDS? YES NO IF YES, THE STRUCTURAL AND EROSION AND SEDIMENT CONTROLS	

FJS

DATE	DESCRIPTION
JAN-2025	ISSUED FOR BIDS

ISSUE

ap hor

STORMWATER CONTROLS (4.2 2.c., (1) and (2))

WASTE DISPOSAL

ALL LIQUID WASTE MATERIALS WILL BE COLLECTED AND STORED IN SEALED METAL CONTAINERS APPROVED BY THE PROJECT ENGINEER. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE APPROVED CONTAINERS. CONTAINERS WILL BE SERVICED AS NECESSARY, AND THE TRASH WILL BE HAULED TO AN APPROVED DISPOSAL SITE OR LICENSED LANDFILL. ALL ONSITE PERSONNEL WILL BE INSTRUCTED IN THE PROPER PROCEDURES FOR WASTE DISPOSAL, AND NOTICES STATING PROPER PRACTICES WILL BE POSTED IN THE FIELD OFFICE. THE GENERAL CONTRACTOR'S REPRESENTATIVE RESPONSIBLE FOR THE CONDUCT OF WORK ON THE SITE WILL BE RESPONSIBLE FOR SEEING WASTE DISPOSAL PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN A MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S ON-SITE REPRESENTATIVE WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

PORTABLE SANITARY FACILITIES WILL BE PROVIDED ON ALL CONSTRUCTION SITES. SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY LOCAL REGULATIONS.

PREVENTION (4.2 2.c.(2))

IAL MANAGEMENT

HOUSEKEEPING

- ONLY NEEDED PRODUCTS WILL BE STORED ON-SITE BY THE CONTRACTOR.
- EXCEPT FOR BULK MATERIALS THE CONTRACTOR WILL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS.
- PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING WILL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- WHEN POSSIBLE, ALL PRODUCTS WILL BE COMPLETELY USED BEFORE PROPERLY DISPOSING OF THE CONTAINER OFF SITE.
- THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS WILL BE FOLLOWED.
- THE CONTRACTOR'S SITE SUPERINTENDENT WILL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL. DUST GENERATED WILL BE CONTROLLED IN AN ENVIRONMENTALLY SAFE MANNER.
- VEGETATION AREAS NOT ESSENTIAL TO THE CONSTRUCTION PROJECT WILL BE PRESERVED AND MAINTAINED AS NOTED ON THE PLANS.

AZARDOUS MATERIALS

- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THE CONTAINER IS NOT RESEALABLE.
- ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS WILL BE RETAINED IN A SAFE PLACE TO RELAY IMPORTANT PRODUCT INFORMATION.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S LABEL DIRECTIONS FOR DISPOSAL WILL BE FOLLOWED. MAINTENANCE AND REPAIR OF ALL EQUIPMENT VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, DEGREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS WILL BE CONDUCTED ON AN IMPERVIOUS SURFACE AND UNDER COVER DURING WET WEATHER TO PREVENT THE RELEASE OF CONTAMINANTS ONTO THE GROUND.
- WHEEL WASHER WATER WILL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER WILL NOT BE DISCHARGED
- DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM. POTENTIAL pH-MODIFYING MATERIALS SUCH AS: BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHINGS, CONCRETE PUMPING, AND MIXER WASHOUT WATERS WILL BE COLLECTED ON SITE AND MANAGED TO PREVENT CONTAMINATION OF STORMWATER RUNOFF.

CT SPECIFIC PRACTICES (6.8)

PETROLEUM PRODUCTS

ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.

FERTILIZERS

FERTILIZERS WILL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED BY THE SDDOT. ONCE APPLIED, FERTILIZERS WILL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER. FERTILIZERS WILL BE STORED IN AN ENCLOSED AREA. THE CONTENTS OF THE PARTIALLY USED FERTILIZER BAGS WILL BE TRANSFERRED TO SEALABLE CONTAINERS TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. THE EXCESS WILL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND ANY APPLICABLE STATE AND LOCAL REGULATIONS

CONCRETE TRUCKS

CONTRACTORS WILL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED AND NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE. UPON COMPLETION OF CONSTRUCTION WASHOUT AREAS WILL BE PROPERLY STABILIZED.

ONTROL PRACTICES (4.2 2 c.(2))

TION TO THE PREVIOUS HOUSEKEEPING AND MANAGEMENT PRACTICES, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP IF NEEDED.

- FOR ALL HAZARDOUS MATERIALS STORED ON SITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED. SITE PERSONNEL WILL BE
- MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES. APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT WILL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ON-SITE. AS APPROPRIATE, EQUIPMENT AND MATERIALS MAY INCLUDE ITEMS SUCH AS BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR CLEAN UP PURPOSES.
- ALL SPILLS WILL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- AFTER A SPILL A REPORT WILL BE PREPARED DESCRIBING THE SPILL. WHAT CAUSED IT. AND THE CLEANUP MEASURES TAKEN. THE SPILL PREVENTION PLAN WILL BE ADJUSTED
- TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING, AS WELL AS CLEAN UP INSTRUCTIONS IN THE EVENT OF REOCCURRENCES. THE CONTRACTOR'S SITE SUPERINTENDENT, RESPONSIBLE FOR DAY-TO-DAY OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS, HANDLING, SPILL MANAGEMENT, AND CLEANUP.

<u>SPILL RI</u>

MAINT

MAINTE

<u>SPILL</u>

•	A RELEASE OR SPILL OF A I
	FOLLOWING CONDITIONS E

SPILL RESPONSES (4.2 2 c.(2))	
THE PRIMARY OBJECTIVE IN RESPONDING TO A SPILL IS TO QUICKLY CONTAIN THE MATERIAL(S) AND PREVENT OR MINIMIZE MIGRATION INTO STORMWATER RUNOFF AND CONVEYANCE SYSTEMS. IF THE RELEASE HAS IMPACTED ON-SITE STORMWATER, IT IS CRITICAL TO CONTAIN THE RELEASED MATERIALS ON-SITE AND PREVENT THEIR RELEASE INTO RECEIVING WATERS. IF A SPILL OF POLLUTANTS THREATENS STORMWATER OR SURFACE WATER AT THE SITE, THE SPILL RESPONSE PROCEDURES OUTLINED BELOW MUST BE IMPLEMENTED IN A TIMELY MANNER TO PREVENT THE RELEASE OF POLLUTANTS.	
 THE CONTRACTOR'S SITE SUPERINTENDENT WILL BE NOTIFIED IMMEDIATELY WHEN A SPILL OR THE THREAT OF A SPILL IS OBSERVED. THE SUPERINTENDENT WILL ASSESS THE SITUATION AND DETERMINE THE APPROPRIATE RESPONSE. IF SPILLS REPRESENT AN IMMINENT THREAT OF ESCAPING EROSION AND SEDIMENT CONTROLS AND ENTERING RECEIVING WATERS, PERSONNEL WILL BE DIRECTED TO RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED. SPILL KITS CONTAINING APPROPRIATE MATERIALS AND EQUIPMENT FOR THE SPILL RESPONSE AND CLEANUP WILL BE MAINTAINED BY THE CONTRACTOR AT THE SITE. IF OIL SHEEN IS DESERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES. IF A SPILL OCCURS THE SUPERINTENDENT OR THE SUPERINTENDENT'S DESIGNEE WILL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO DENR. PERSONNEL WITH PRIMARY RESPONSIBILITY FOR SPILL RESPONSE AND CLEAN UP WILL RECEIVE TRAINING BY THE CONTRACTOR'S SITE SUPERINTENDENT OR DESIGNEE. THE TRAINING MUST INCLUDE IDENTIFYING THE LOCATION OF THE SPILL KITS AND OTHER SPILL RESPONSE EQUIPMENT AND THE USE OF SPILL RESPONSE MATERIALS. SPILL RESPONSE EQUIPMENT WILL BE INSPECTED AND MAINTAINED AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES. 	D
MAINTENANCE AND INSPECTION (4.2 3. AND 4.2 4.)	-
MAINTENANCE AND INSPECTION PRACTICES INSPECTIONS WILL BE CONDUCTED AT LEAST ONE TIME PER WEEK AND AFTER A STORM EVENT OF 0.50 INCHES OR GREATER.	
 INSPECTIONS WILL BE CONDUCTED AT LEAST ONE TIME PER WEEK AND AFTER A STORM EVENT OF 0.50 INCHES OR GREATER. ALL CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER. NECESSARY REPAIRS WILL BE COMPLETED WITHIN 7 DAYS OR BEFORE THE NEXT STORM EVENT, WHICHEVER COMES FIRST SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT AND FOR TEARS IN ORDER TO ENSURE THE FABRIC IS SECURELY ATTACHED TO THE POSTS AND THAT THE POSTS ARE WELL ANCHORED. SEDIMENT BUILDUP WILL BE REMOVED FROM THE SILT FENCE WHEN IT REACHES 1/2 OF THE HEIGHT OF THE SILT FENCE. SEDIMENT BASINS AND TRAPS WILL BE CHECKED. SEDIMENT WILL BE REMOVED WHEN DEPTH REACHES APPROXIMATELY 50 PERCENT OF THE STRUCTURE'S CAPACITY, AND AT THE CONCLUSION OF THE CONSTRUCTION. CHECK DAMS WILL BE INSPECTED FOR STABILITY. SEDIMENT WILL BE REMOVED WHEN DEPTH REACHES 1/2 THE HEIGHT OF THE DAM. ALL SEEDED AREAS WILL BE CHECKED FOR BARE SPOTS, WASHOUTS, AND VIGOROUS GROWTH FREE OF SIGNIFICANT WEED INFESTATIONS. INSPECTION AND MAINTENANCE REPORTS WILL BE PREPARED ON FORM DOT 298 FOR EACH SITE INSPECTION, THIS FORM WILL ALSO BE USED TO DOCUMENT CHANGES TO THE SWPPP. A COPY OF THE COMPLETED INSPECTION FORM WILL BE FILED WITH THE SWPPP DOCUMENTS. THE CONTRACTOR'S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE, REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR'S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTION AND MAINTENANCE, REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR'S SITE SUPERINTENDENT WILL COMPLETE THE INSPECTION AND MAINTENANCE REPORTS AND DISTRIBUTE COPIES. 	С
SPILL NOTIFICATION	
IN THE EVENT OF A SPILL, THE CONTRACTOR'S SITE SUPERINTENDENT WILL MAKE THE APPROPRIATE NOTIFICATION(S), CONSISTENT WITH THE FOLLOWING PROCEDURES: • A RELEASE OR SPILL OF A REGULATED SUBSTANCE (INCLUDES PETROLEUM AND PETROLEUM PRODUCTS) MUST BE REPORTED TO DENR IMMEDIATELY IF ANY ONE OF THE	
 FOLLOWING CONDITIONS EXIST: THE DISCHARGE THREATENS OR IS IN A POSITION TO THREATEN THE WATERS OF THE STATE (SURFACE WATER OR GROUND WATER). THE DISCHARGE CAUSES AN IMMEDIATE DANGER TO HUMAN HEALTH OR SAFETY THE DISCHARGE EXCEEDS 25 GALLONS THE DISCHARGE CAUSES A SHEEN ON SURFACE WATER THE DISCHARGE OF ANY SUBSTANCE THAT EXCEEDS THE GROUND WATER QUALITY STANDARDS OF ARSD (ADMINISTRATIVE RULES OF SOUTH DAKOTA) CHAPTER 74:54:01. 	
 THE DISCHARGE OF ANY SUBSTANCE THAT EXCEEDS THE SURFACE WATER QUALITY STANDARDS OF ARSD CHAPTER 74:54:01. THE DISCHARGE OF ANY SUBSTANCE THAT HARMS OR THREATENS TO HARM WILDLIFE OR AQUATIC LIFE. THE DISCHARGE OF CRUDE OIL IN FIELD ACTIVITIES UNDER SDCL (SOUTH DAKOTA CODIFIED LAWS) CHAPTER 45-9 IS GREATER THAN 1 BARREL (42 GALLONS). 	
TO REPORT A RELEASE OR SPILL, CALL DENR AT 605-773-3296 DURING REGULAR OFFICE HOURS (8 A.M. TO 5 P.M. CENTRAL TIME). TO REPORT THE RELEASE AFTER HOURS, ON WEEKENDS OR HOLIDAYS, CALL STATE RADIO COMMUNICATIONS AT 605-773-3231. REPORTING THE RELEASE TO DENR DOES NOT MEET ANY OBLIGATION FOR REPORTING TO OTHER STATE, LOCAL, OR FEDERAL AGENCIES. THEREFORE, THE RESPONSIBLE PERSON MUST ALSO CONTACT AUTHORITIES TO DETERMINE THE LOCAL REPORTING REQUIREMENTS FOR RELEASES. DENR RECOMMENDS THAT SPILLS ALSO BE REPORTED TO THE NATIONAL RESPONSE CENTER AT (800) 424-8802.	
CONSTRUCTION CHANGES (4.4)	
WHEN CHANGES ARE MADE TO THE CONSTRUCTION PROJECT THAT WILL REQUIRE ALTERATIONS IN THE TEMPORARY EROSION CONTROLS OF THE SITE, THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WILL BE AMENDED TO PROVIDE APPROPRIATE PROTECTION TO DISTURBED AREAS, ALL STORMWATER STRUCTURES, AND ADJACENT WATERS. THE ENGINEER WILL MODIFY THE SWPPP PLAN (DOT 298) AND DRAWINGS TO REFLECT THE NEEDED CHANGES. COPIES OF CHANGES WILL BE ROUTED PER DOT 298. COPIES OF FORMS AND THE SWPPP WILL BE RETAINED IN A DESIGNATED PLACE FOR REVIEW OVER THE COURSE OF THE PROJECT.	В
CERTIFICATIONS	
CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT REFLECTS THE REQUIREMENTS OF ALL LOCAL MUNICIPAL JURISDICTIONS FOR STORMWATER MANAGEMENT	
AND SEDIMENT AND EROSION CONTROL AS ESTABLISHED BY ORDINANCE, AS WELL AS OTHER STATE AND FEDERAL REQUIREMENTS FOR SEDIMENT AND EROSION CONTROL PLANS, PERMITS, NOTICES, OR DOCUMENTATION AS APPROPRIATE.	
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENT WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT ARE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	
AUTHORIZED SIGNATURE	
PRIME CONTRACTOR	
THIS SECTION IS TO BE EXECUTED BY THE GENERAL CONTRACTOR AFTER THE AWARD OF THIS CONTRACT. THIS SECTION MAY BE EXECUTED ANY TIME THERE IS A CHANGE IN THE PRIME CONTRACTOR OF THE PROJECT.	
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WILL BE REVISED OR MAINTAINED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	A
AUTHORIZED SIGNATURE	

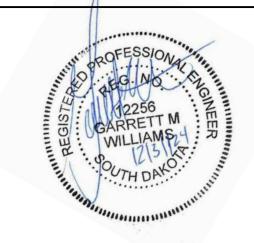
<u>CONS</u>

CERTI

<u>CITY O</u>

PRIME

PROJECT MANAGER	G. WILLIAMS
CIVIL	G. WILLIAMS
DRAWN BY	M. BICKFORD
PROJECT NUMBER	10409471
	1





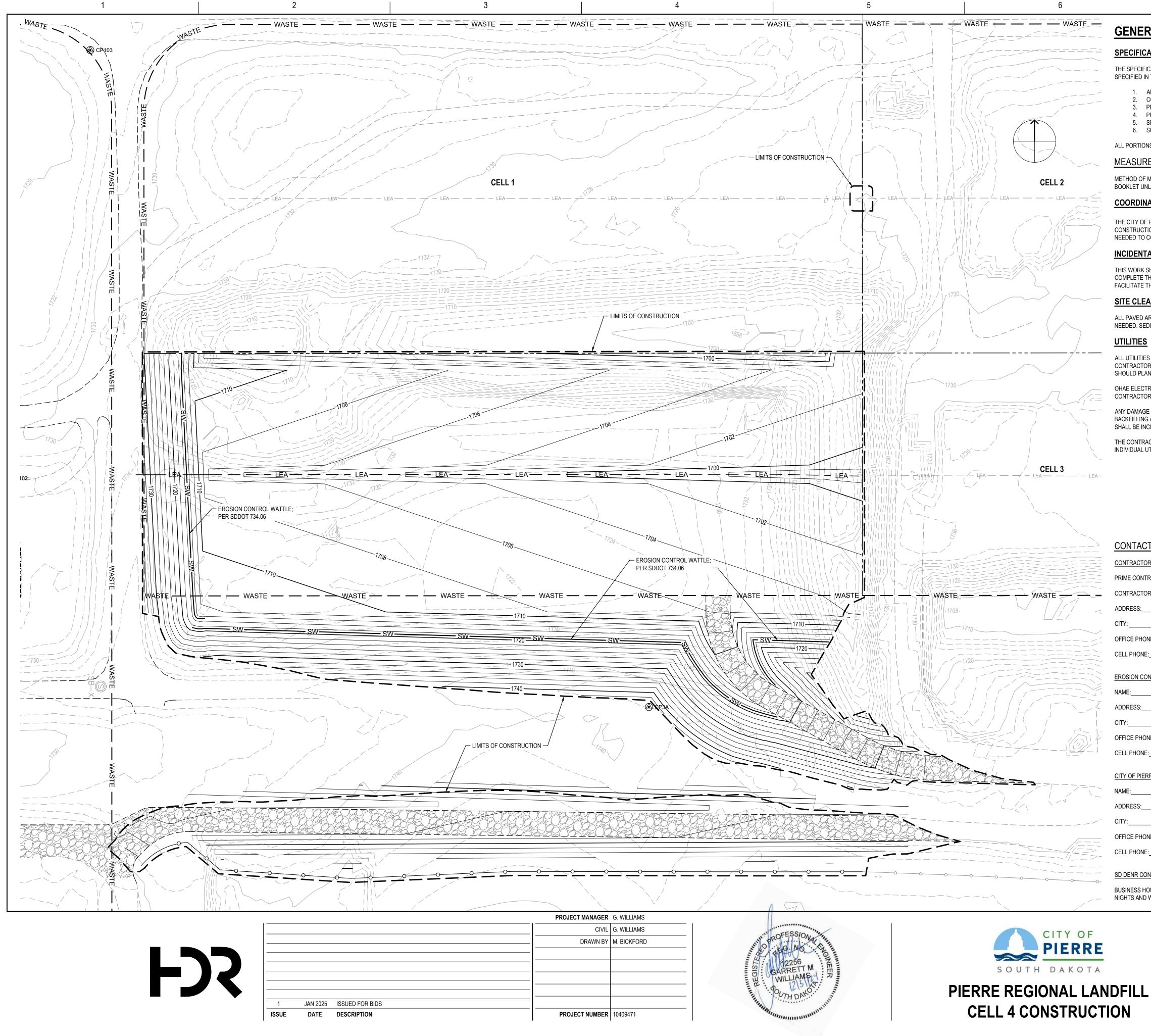
PIERRE REGIONAL LANDFILL **CELL 4 CONSTRUCTION**

STORMWATER POLLUTION & PREVENTION PLAN NOTES

FILENAME G002.dwg

SCALE





		1	0
	AL NOTES		
	AL NOTES		
IFICAT	IONS		

1

THE SPECIFICATIONS FOR THIS PROJECT SHALL BE AS FOLLOWS AND SHALL BE USED IN THIS ORDER OF PRECEDENCE FOR PROJECT CONSTRUCTION AS SPECIFIED IN THESE PLANS OR IN THE CONTRACT DOCUMENTS:

- ADDENDUM
- CONTRACT SPECIAL PROVISIONS PROJECT PLAN NOTES AND DRAWINGS
- 4. PROJECT SPECIFICATIONS

SPECIAL DETAIL DRAWINGS 6. SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION

ALL PORTIONS OF THE STANDARD SPECIFICATIONS NOT MODIFIED HEREIN SHALL REMAIN AND SHALL APPLY TO THIS PROJECT AS APPROPRIATE.

MEASUREMENT AND PAYMENT

METHOD OF MEASUREMENT AND BASIS OF PAYMENT FOR EACH PROJECT BID ITEM SHALL BE PER THE TECHNICAL SPECIFICATIONS WITHIN THE BID BOOKLET UNLESS OTHERWISE STATED IN THE PLAN NOTES AND PROJECT SPECIFICATIONS.

COORDINATION WITH ADJACENT CONSTRUCTION

THE CITY OF PIERRE, OTHER CONTRACTORS OR UTILITY COMPANIES MAY BE PERFORMING OTHER WORK IN OR ADJACENT TO THE PROJECT AREA DURING CONSTRUCTION. IF SO THE CONTRACTOR WILL BE REQUIRED TO COORDINATE THEIR OPERATIONS AND TRAFFIC CONTROL WITH THE OTHER PROJECT AS NEEDED TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE.

INCIDENTAL WORK

THIS WORK SHALL INCLUDE ALL MISCELLANEOUS ITEMS NOT INCLUDED UNDER BID ITEMS BUT WHICH MUST BE PERFORMED IN ORDER TO PROPERLY COMPLETE THE CONTRACT. THIS WORK SHALL BE PERFORMED IN AN APPROVED AND PROFESSIONAL MANNER AT SUCH TIMES AS TO PROPERLY FACILITATE THE WHOLE OF THE WORK AS DIRECTED BY THE ENGINEER.

SITE CLEAN-UP

ALL PAVED AREAS ADJACENT TO PROJECT AREAS SHALL BE CLEANED OF CONSTRUCTION DEBRIS AT THE END OF EACH DAY OR MORE FREQUENTLY IF NEEDED. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO STARTING WORK. ANY TIME EXISTING UTILITIES IMPEDE THE PROGRESS OF WORK THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. THE CONTRACTOR SHALL EXPECT TO HAVE UTILITY CONFLICTS WITHIN THE PROJECT AREA AND SHOULD PLAN ACCORDINGLY WHEN DEVELOPING A WORK SCHEDULE SO AS TO COMPLETE THE PROJECT BY THE SET COMPLETION DATE.

OHAE ELECTRIC CO-OP PROVIDES ELECTRICAL SERVICE TO THE CONSTRUCTION SITE AND MAY REQUIRE ADVANCE COORDINATION WITH THE CONTRACTOR. REFER TO THE ELECTRICAL PLANS AND SPECIFICATIONS FOR FURTHER DETAILS.

ANY DAMAGE DONE TO THE UTILITIES BECAUSE OF THE CONTRACTORS CARELESSNESS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE. WHEN BACKFILLING ANY EXPOSED UTILITY LINES THE CONTRACTOR SHALL PLACE SAND BACKFILL FOR A MINIMUM OF 1' SURROUNDING THE LINE. THIS WORK SHALL BE INCIDENTAL TO THE UTILITY INSTALLATION.

THE CONTRACTOR SHALL CALL ONE-CALL UTILITY LOCATING SERVICES AT 1-800-781-7474 TO OBTAIN UTILITY LOCATES PRIOR TO ANY EXCAVATION. INDIVIDUAL UTILITY CONTACTS ARE AS FOLLOW:

OHAE ELECTRIC CO-OP 605-962-6243
CITY ELECTRICIAN REX NEWLING 605-295-2612

NTACT INFORMATION	<u>.</u>	
RACTOR INFORMATION:		
E CONTRACTOR NAME:		
RACTOR CONTACT NAME:		
ESS:		
E PHONE:		
PHONE:		
ION CONTROL SUPERVISOR:		
: :ESS:		
CE PHONE:		
PHONE:		

•	E	R	R	E	:

S:		
	STATE:	ZIP:

SD DENR CONTACT SPIL

BUSINESS HOURS MONDAY-FRIDAY.....(605) 773-3296 NIGHTS AND WEEKENDS......(605) 773-3231

SD DENR CONTACT FOR HAZARDOUS MATERIALS (605) 773-3153

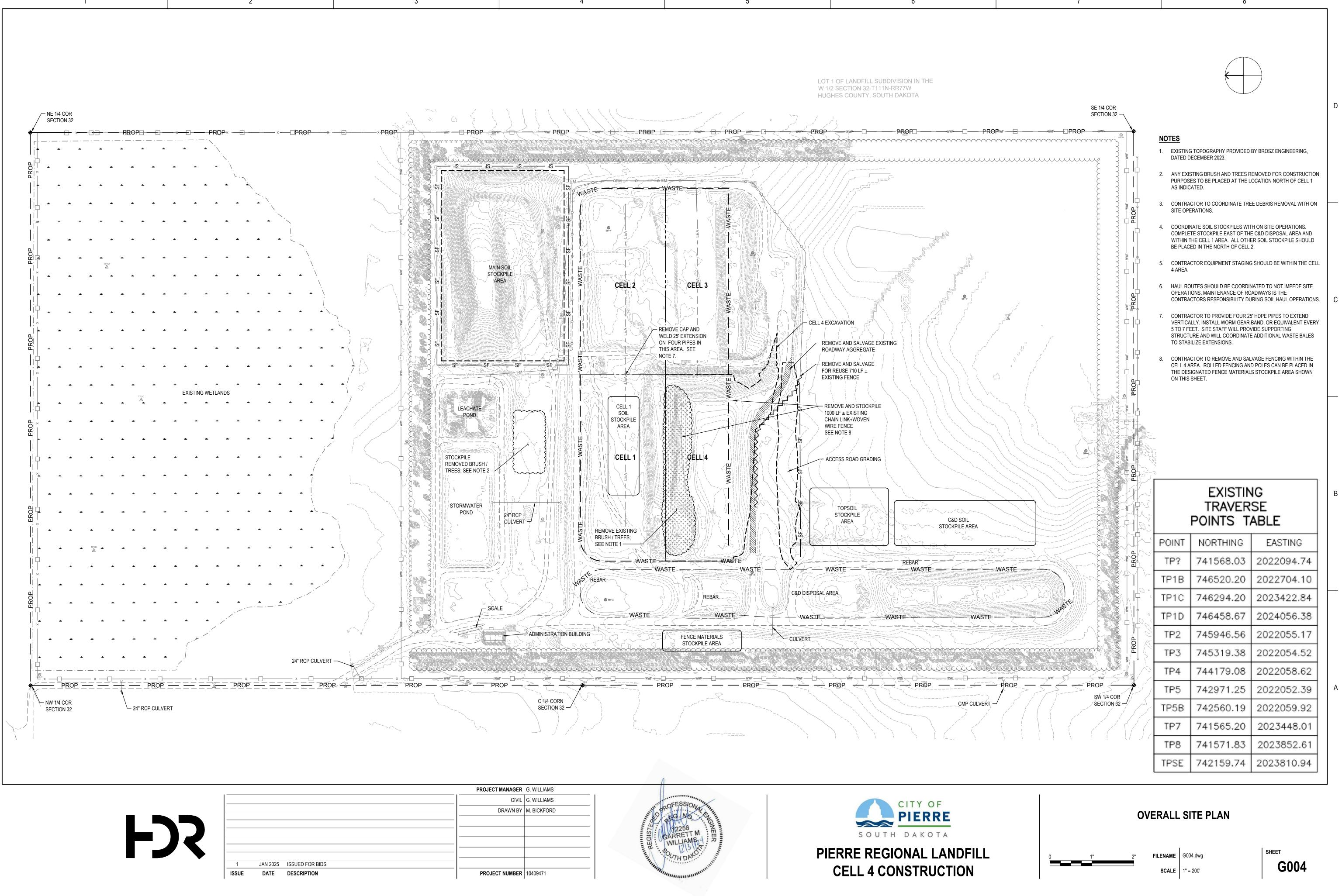
NATIONAL RESPONSE CENTER HOTLINE (800) 424-8802

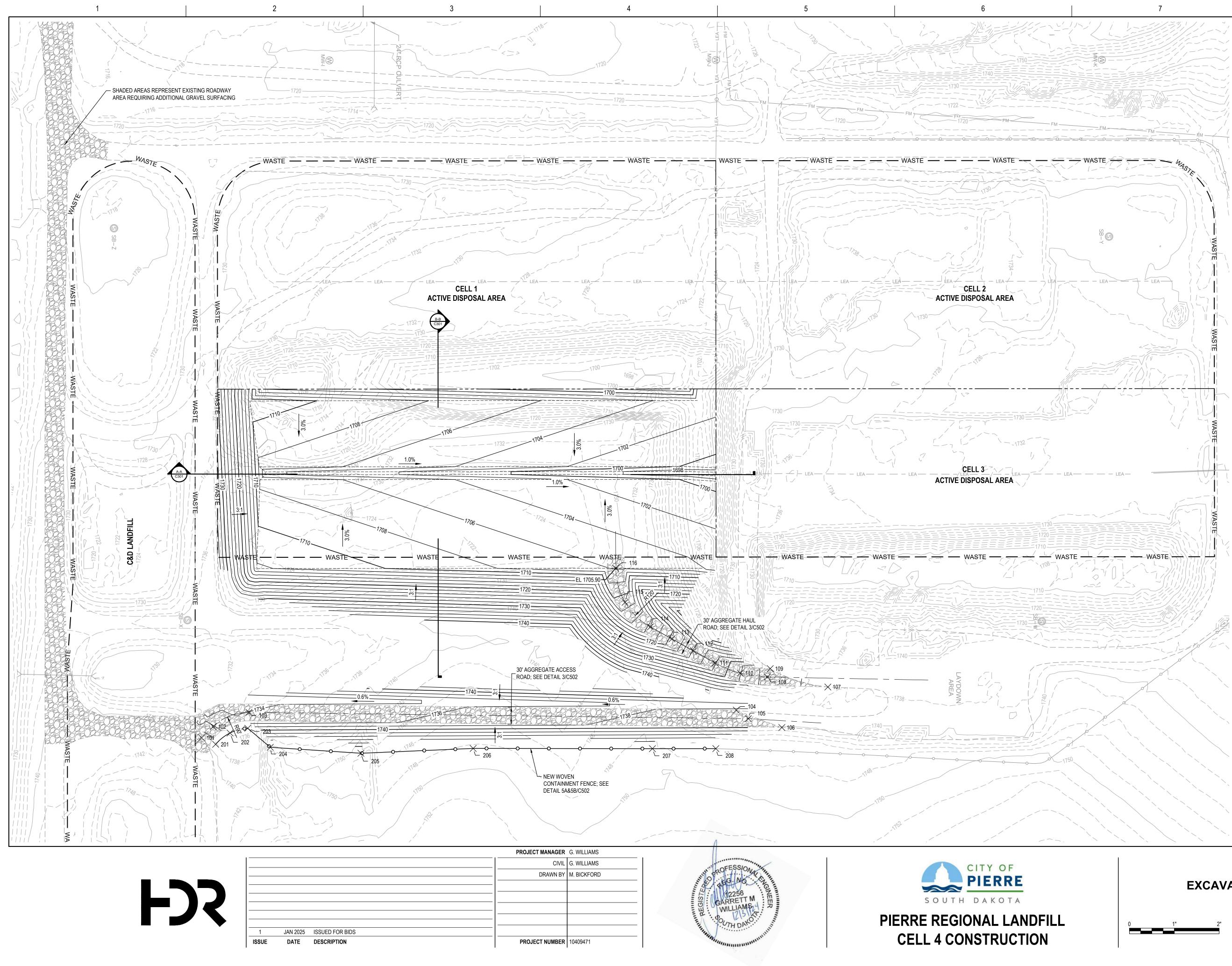
STORMWATER POLLUTION & PREVENTION PLAN SITE MAP

FILENAME G003.dwg

SCALE 1" = 60'







APWWORKING/CENTRAL01/ID4609779/C101.D 2017/2022 8:27:40 AM

NOTES

- EXISTING TOPOGRAPHY PROVIDED BY BROSZ ENGINEERING, DATED DECEMBER 2023.
- 2. GRADING SHOWN ON THIS PLAN SHEET REPRESENT BOTTOM OF EXCAVATION. DRAINAGE LAYER ON THE CELL FLOOR IS 12" ABOVE THE GRADING SHOWN ON THIS PLAN.
- 3. RELOCATED ROADWAY WILL UTILIZE SALVAGE MATERIALS AND REQUIRE ADDITIONAL GRAVEL SURFACING.
- 4. CONTRACTOR TO PROVIDE GRAVEL SURFACING ON NEW ROADWAY AND EXISTING ROADWAYS, WHERE SHADED ON THIS SHEET.
- 5. ON THE ROADWAY POINT TABLE, "CL" IS CENTERLINE AND "EOR" IS EDGE OF ROAD.

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	743170.93	2022625.50	1739.45	CL
102	743190.96	2022646.21	1736.17	CL
103	743216.26	2022709.91	1734.04	CL
104	743220.35	2023579.14	1739.26	EOR
105	743205.08	2023600.64	1739.29	CL
106	743189.33	2023660.47	1740.49	CL
107	743261.53	2023742.52	1737.26	EOR
108	743279.43	2023634.58	1734.63	CL
109	743294.33	2023639.70	1734.97	EOR
110	743286.29	2023586.37	1731.91	CL
111	743304.59	2023541.25	1727.85	CL
112	743325.97	2023502.79	1724.13	CL
113	743347.35	2023464.34	1720.40	CL
114	743368.73	2023425.89	1716.37	CL
115	743412.60	2023380.87	1711.15	CL
116	743473.21	2023364.20	1705.90	CL

FE	FENCE POINT TABLE					
POINT NO.	NORTHING	EASTING	DESCRIPTION			
201	743159.28	2022650.51	FENCE			
202	743179.51	2022676.18	FENCE			
203	743187.94	2022707.76	FENCE			
204	743154.00	2022747.99	FENCE			
205	743143.35	2022909.63	FENCE			
206	743151.98	2023109.85	FENCE			
207	743151.54	2023429.58	FENCE			
208	743151.66	2023542.71	FENCE			

EXCAVATION GRADING PLAN

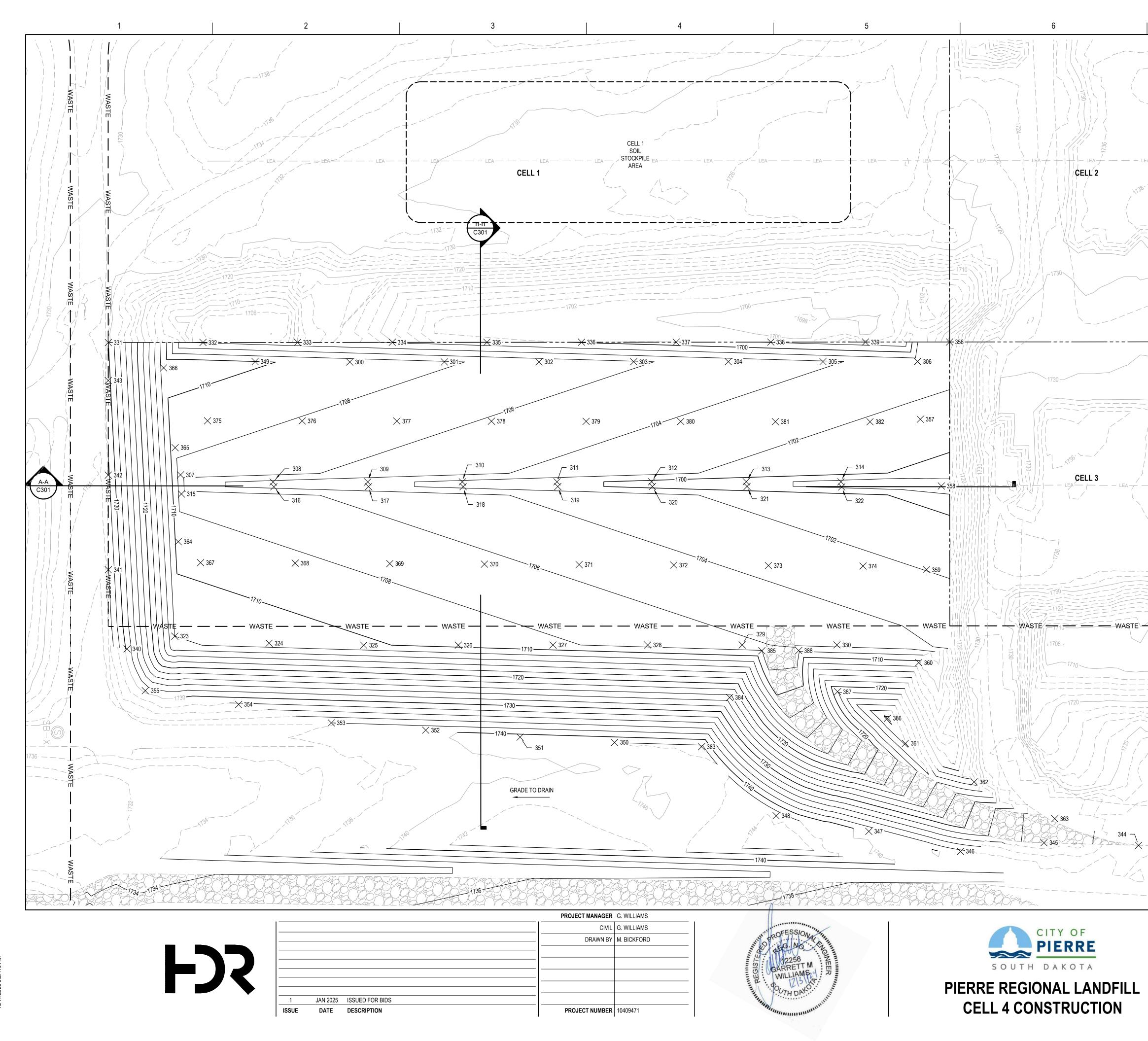
FILENAMEC101.dwgSCALE1" = 80'



ROADWAY POINT TABLE

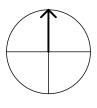
В

A



2:/PWWORKING\CENTRAL01\/D4609779\C102.DW

8



NOTES

- EXISTING TOPOGRAPHY PROVIDED BY BROSZ ENGINEERING, DATED DECEMBER 2023.
- 2. GRADING SHOWN ON THIS PLAN SHEET REPRESENT BOTTOM OF EXCAVATION. DRAINAGE LAYER ON THE CELL FLOOR IS 12" ABOVE THE GRADING SHOWN ON THIS PLAN.
- 3. RELOCATED ROADWAY WILL UTILIZE SALVAGE MATERIALS AND REQUIRE ADDITIONAL GRAVEL SURFACING.

EXC	AVATION	I POINT T	ABLE	E
POINT NO.	NORTHING	EASTING	ELEVATION	POINT
300	743772.24	2022909.04	1709.22	345
301	743772.33	2023009.04	1708.22	346
302	743772.42	2023109.04	1707.22	347
303	743772.51	2023209.04	1706.22	348
304	743772.60	2023309.04	1705.22	349
305	743772.69	2023409.04	1704.22	350
306	743772.77	2023509.04	1703.22	351
307	743652.97	2022730.21	1707.00	352
308	743645.45	2022828.03	1703.49	353
309	743645.51	2022928.03	1702.49	354
310	743645.58	2023028.03	1701.49	355
311	743645.64	2023128.03	1700.49	356
312	743645.71	2023228.03	1699.49	357
313	743645.78	2023328.03	1698.49	358
314	743645.61	2023428.03	1697.49	359
315	743632.77	2022731.20	1707.00	360
316	743640.45	2022828.85	1703.49	361
317	743640.51	2022928.85	1702.49	362
318	743640.58	2023028.85	1701.49	363
319	743640.65	2023128.85	1700.49	364
320	743640.71	2023228.85	1699.49	365
321	743640.78	2023328.85	1698.49	366
322	743640.24	2023428.85	1697.69	367
323	743482.51	2022724.14	1712.00	368
324	743475.13	2022823.86	1711.23	369
325	743473.01	2022923.78	1710.29	370
326	743473.08	2023023.78	1709.29	37
327	743473.14	2023123.78	1708.29	372
328	743473.21	2023223.78	1707.29	373
329	743473.27	2023323.78	1706.29	374
330	743473.34	2023423.78	1705.29	375
331	743792.83	2022653.97	1730.00	376
332	743792.90	2022753.97	1703.83	377
333	743792.96	2022853.97	1702.84	378
334	743793.03	2022953.97	1701.85	379
335	743793.10	2023053.97	1700.86	380
336	743793.16	2023153.97	1699.87	38
337	743793.23	2023253.97	1698.87	382
338	743793.29	2023353.97	1697.88	383
339	743793.36	2023453.97	1696.89	384
340	743469.10	2022673.73	1729.50	385
341	743552.71	2022653.93	1734.10	386
342	743652.71	2022653.89	1732.41	387
343	743752.71	2022653.86	1730.72	388
-				

EXCAVATION POINT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	
345	743264.27	2023642.56	1734.91	
346	743255.16	2023554.36	1738.54	
347	743276.30	2023457.49	1739.63	
348	743292.81	2023359.58	1743.65	
349	743772.70	2022809.05	1710.03	
350	743370.25	2023188.86	1741.95	
351	743375.81	2023089.02	1741.08	
352	743383.21	2022989.30	1739.58	
353	743390.90	2022889.60	1738.00	
354	743410.38	2022791.63	1732.46	
355	743424.96	2022693.03	1729.50	
356	743793.42	2023542.90	1696.01	
357	743711.76	2023511.96	1701.85	
358	743641.24	2023534.14	1696.73	
359	743552.74	2023518.47	1701.83	
360	743454.54	2023510.20	1710.71	
361	743369.20	2023496.08	1728.35	
362	743328.55	2023568.80	1722.84	
363	743289.70	2023653.97	1735.10	
364	743582.44	2022727.81	1708.96	
365	743681.71	2022724.59	1708.35	
366	743766.03	2022712.33	1711.00	
367	743560.18	2022751.39	1709.40	
368	743559.68	2022851.39	1708.41	
369	743559.18	2022951.39	1707.43	
370	743558.68	2023051.38	1706.45	
371	743558.18	2023151.38	1705.47	
372	743557.67	2023251.38	1704.48	
373	743557.17	2023351.38	1703.50	
374	743556.67	2023451.38	1702.50	
375	743710.10	2022758.79	1708.86	
376	743709.96	2022858.79	1707.85	
377	743709.82	2022958.79	1706.84	
378	743709.68	2023058.79	1705.84	
379	743709.53	2023158.79	1704.83	
380	743709.39	2023258.79	1703.83	
381	743709.25	2023358.79	1702.82	
382	743709.11	2023356.73	1702.02	
383	743365.65	2023280.69	1742.59	
384	743417.73	2023200.05	1742.33	
385	743417.73	2023310.45	1724.92	
386	743467.13	2023344.43	1708.14	
387	743395.66	2023477.29	1730.59	
388	743423.09	2023424.50	1721.77	
500	1 10101.04	202000.41	1101.00	

EXCAVATION POINT TABLE

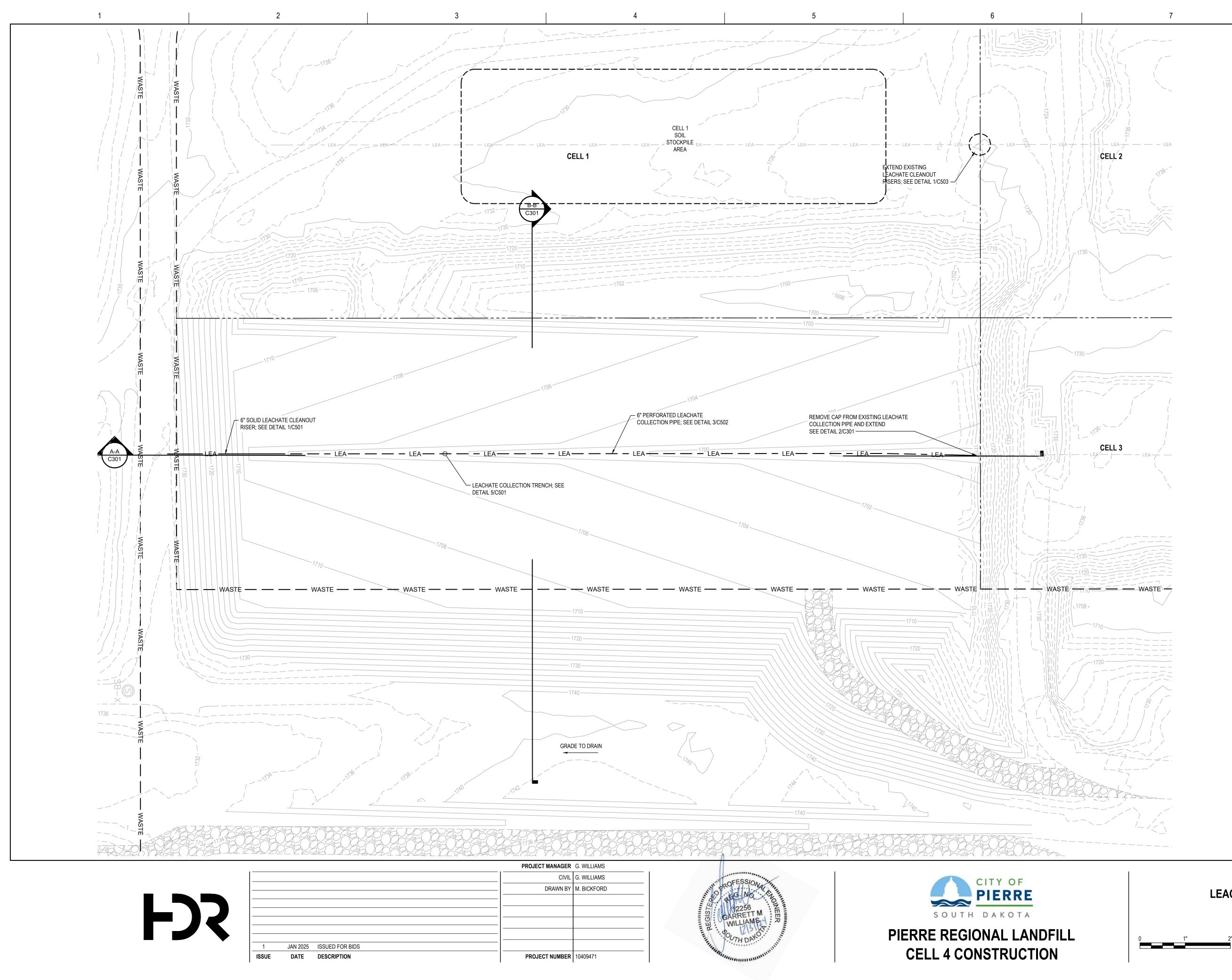
 FILENAME
 C102.dwg

 SCALE
 1" = 50'

sheet **C102**

ט

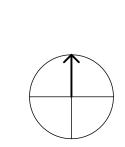
Ч



2:\PWWORKING\CENTRAL01\D4609779\C103.DW

LEACHATE COLLECTION PLAN





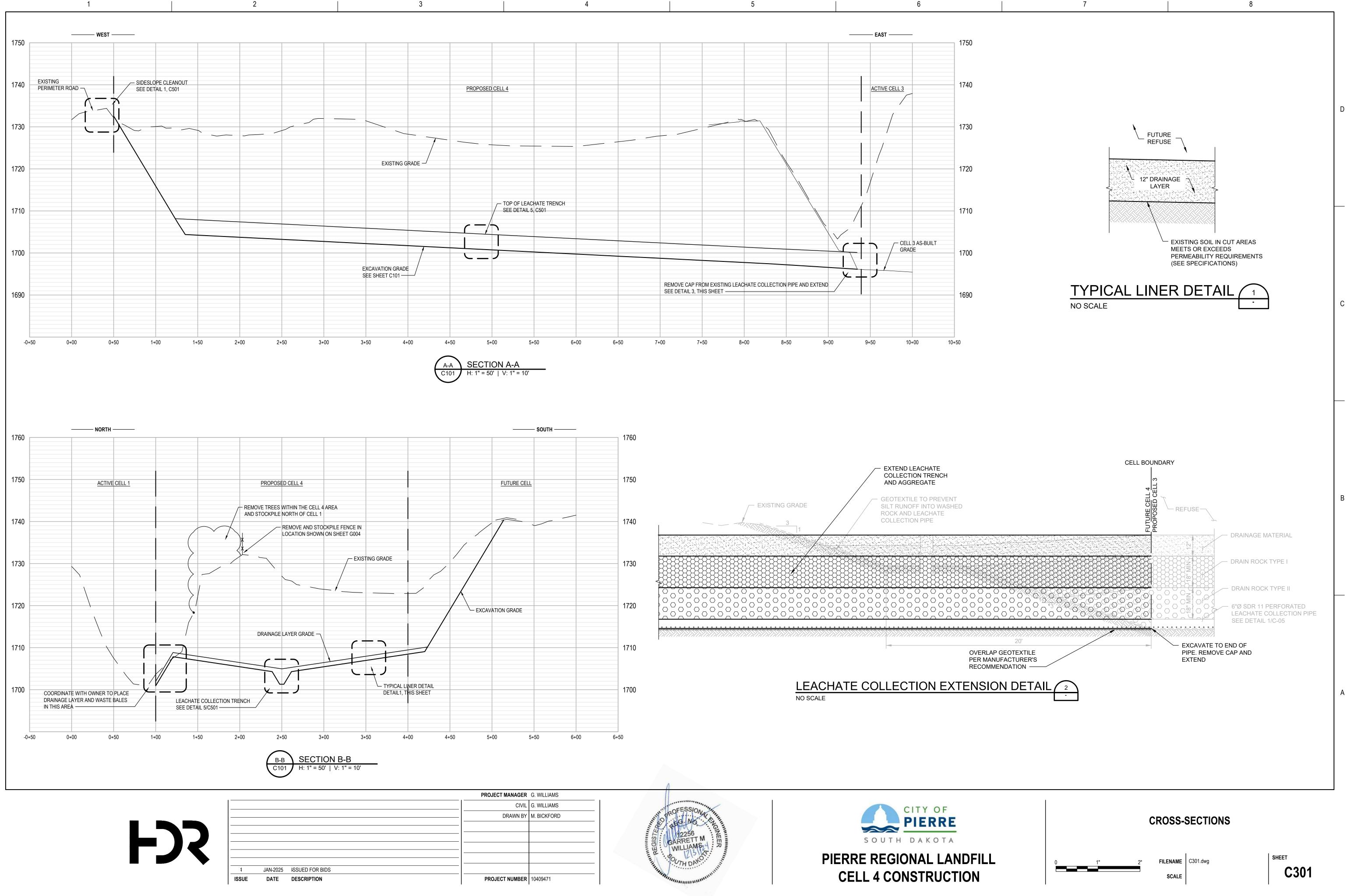
NOTES

- 1. EXISTING TOPOGRAPHY PROVIDED BY BROSZ ENGINEERING, DATED DECEMBER 2023.
- 2. GRADING SHOWN ON THIS PLAN SHEET REPRESENT BOTTOM OF EXCAVATION.
- 3. RELOCATED ROADWAY WILL UTILIZED SALVAGE MATERIALS AND WILL REQUIRE ADDITIONAL GRAVEL SURFACING.

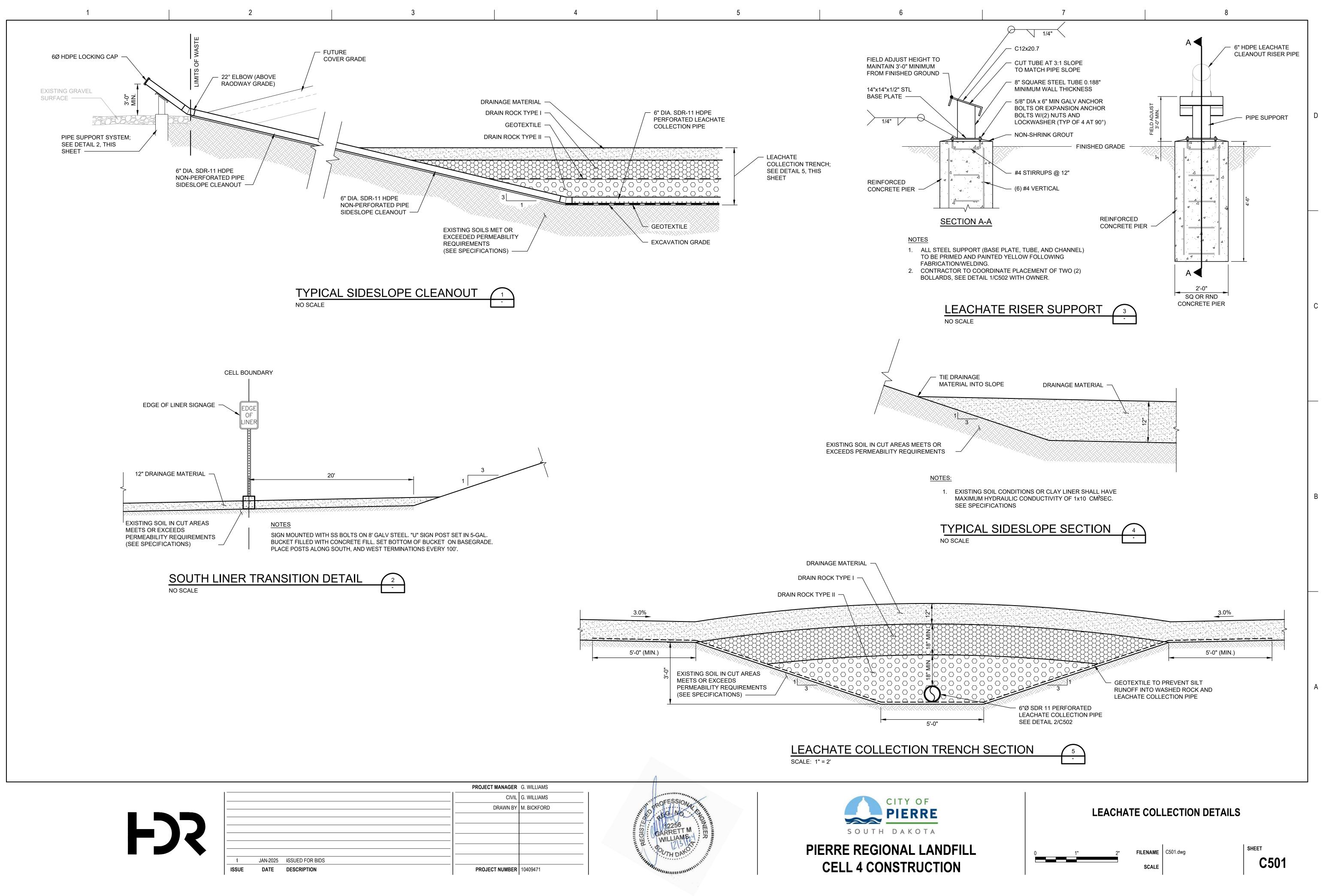
C

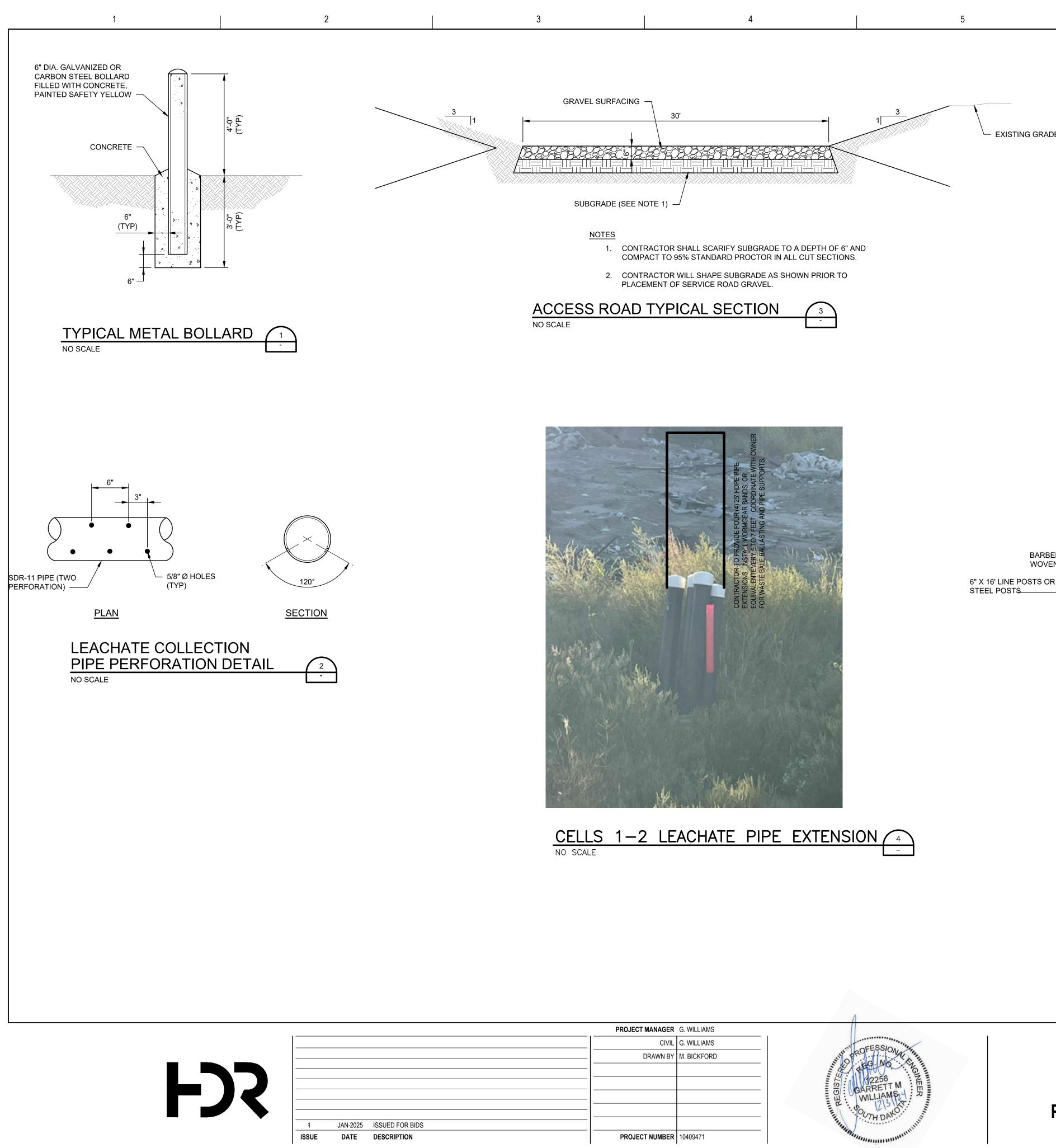
В

A

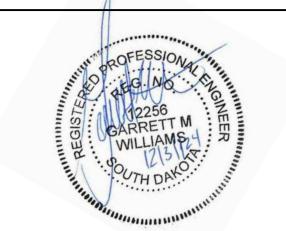


PROJECT MANAGER	G. WILLIAMS
CIVIL	G. WILLIAMS
DRAWN BY	M. BICKFORD
PROJECT NUMBER	10409471

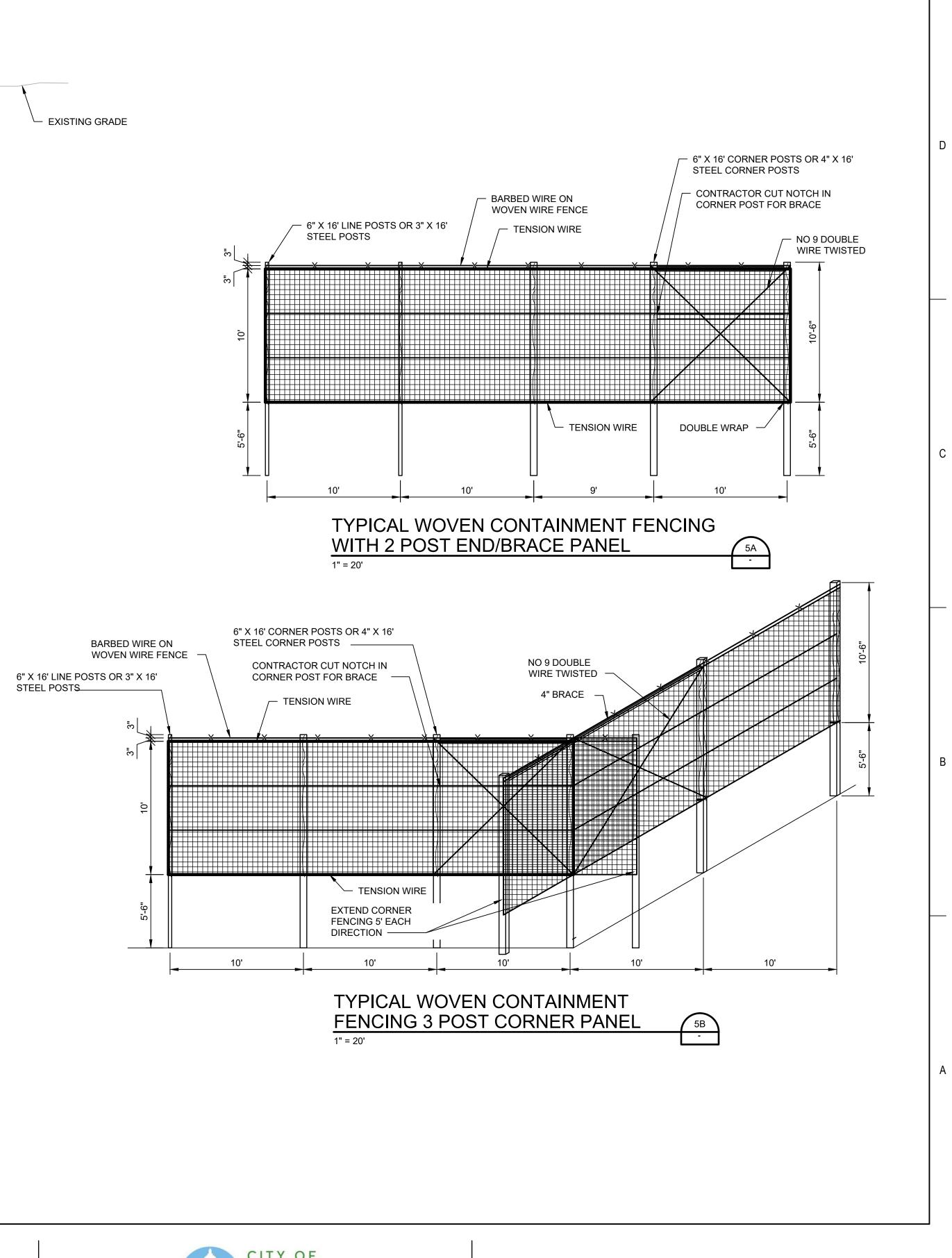


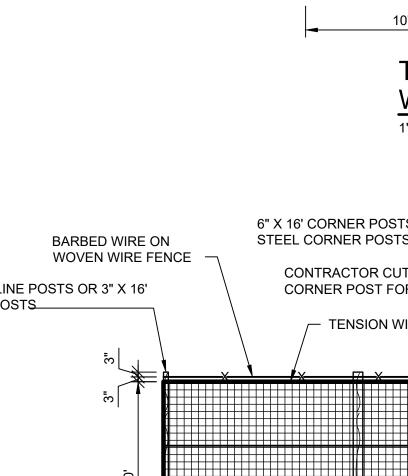


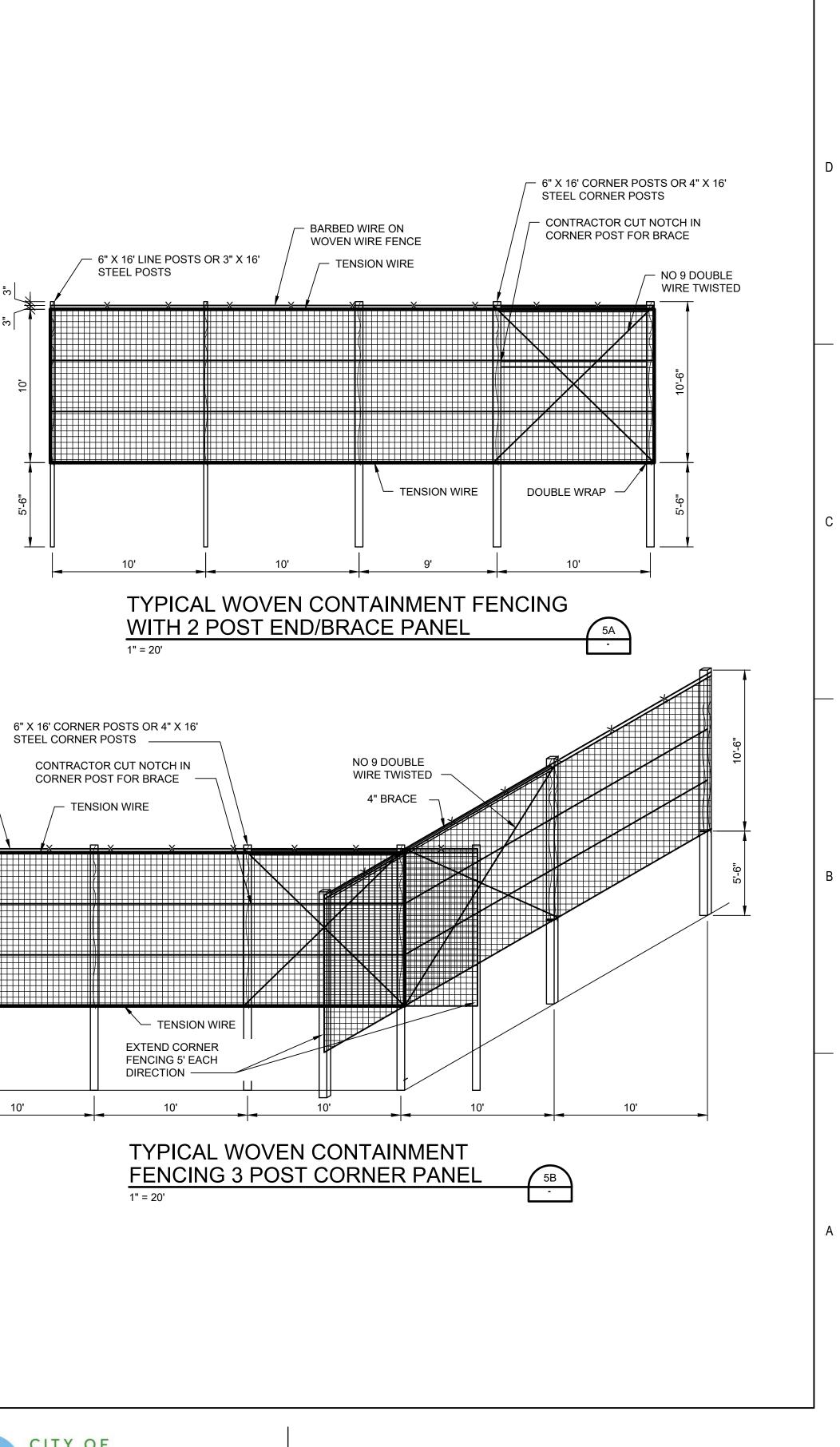




PROJECT MANAGER	G. WILLIAMS
CIVIL	G. WILLIAMS
DRAWN BY	M. BICKFORD
PROJECT NUMBER	10409471







MISCELLANEOUS DETAILS

FILENAME C502.dwg

SCALE

SHEET C502