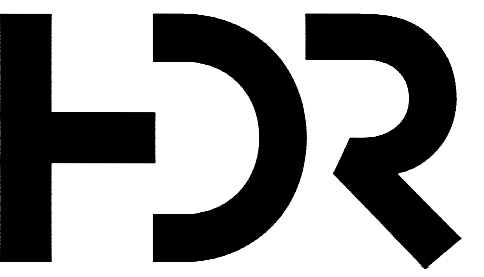


Received Waste  
Management Program  
Jan. 2, 2025



PIERRE REGIONAL LANDFILL SITE LOCATION MAP  
SCALE: 1" = 5000'

Contract Drawings For

# Pierre Regional Landfill

## Cell 4 Liner Construction

### INDEX OF DRAWINGS

GENERAL	
G000	COVER SHEET
G001	CIVIL LEGEND AND SYMBOLOLOGY
G002	STORMWATER POLLUTION & PREVENTION PLAN - NOTES
G003	STORMWATER POLLUTION & PREVENTION PLAN - SITE MAP
G004	OVERALL SITE PLAN
CIVIL	
C101	EXCAVATION GRADING PLAN
C102	EXCAVATION POINT TABLE
C103	LEACHATE COLLECTION PLAN
C301	CROSS SECTIONS
C501	LEACHATE COLLECTION DETAILS
C502	MISCELLANEOUS DETAILS

Project No.  
10409741

Pierre, South Dakota  
January 2025

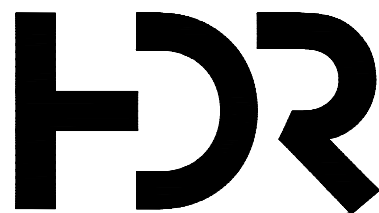
Approved  
South Dakota Department  
of Agriculture and Natural  
Resources  
No. 8464  
Feb. 26, 2025



Issued for Bids



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ISSUE	DATE	DESCRIPTION
1	JAN 2025	ISSUED FOR BIDS

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



PIERRE REGIONAL LANDFILL  
CELL 4 CONSTRUCTION

CIVIL LEGEND AND SYMBOLOGY



FILENAME | G001.dwg  
SCALE | NONE

SHEET  
G001

CIVIL MAPPING SYMBOLOGY

	EMBANKMENT SLOPE (CUT)
	EMBANKMENT SLOPE (FILL)
	EMBANKMENT SLOPE RIGHT ARROW RIGHT
	EMBANKMENT SLOPE LEFT ARROW LEFT
	SPOT ELEVATION/POINT #
	SURVEY BENCHMARK
	SURVEY CONTROL POINT
	HORIZONTAL CONTROL POINT
	VERTICAL CONTROL POINT
	SECTION CORNER MONUMENT
	SECTION CORNER NO MONUMENT
	IDENTIFICATION AND APPROXIMATE LOCATION OF SOIL TEST HOLE
	TEST PIT
	SOIL BORING
	BUOY
	FLOW ARROW
	WATER LEVEL IN SECTION/PROFILE
	TIDE GAUGE
	EXISTING UTILITY POLE
	DOWNGUY
	EXTERIOR UTILITY JUNCTION BOX
	INTERSTATE HIGHWAY SYMBOL
	US HIGHWAY SYMBOL
	STATE HIGHWAY SYMBOL
	HAY BALE SILT CHECK
	TEMPORARY SEDIMENT TRAP
	PIEZOMETER
	RAIL SIGNAL
	RAIL SWITCH
	SIGN
	TIRE TREDDLE
	TRAFFIC ARM WITH CARD READER
	TRAFFIC ARM MECHANICAL SWING

	CLEANOUT
	CULVERT END SYMBOL (WITH CULVERT SHOWN BETWEEN SYMBOLS)
	FIRE HYDRANT
	FUEL OIL METER
	FUEL OIL MANHOLE
	FUEL OIL VAULT
	GREASE TRAP
	GRIT CHAMBER
	HEADWALL
	INDUSTRIAL WASTE WATER METER
	INDUSTRIAL WASTE WATER MANHOLE
	NATURAL GAS METER
	NATURAL GAS RECEIVER
	NATURAL GAS TRAP
	NATURAL GAS LINE VAULT
	MONITORING WELL
	POST INDICATOR VALVE
	PUMP STATION
	SANITARY MANHOLE
	SEPTIC TANK
	TANK BELOW GROUND
	TANK HORIZONTAL ABOVE GROUND
	TANK VERTICAL ABOVE GROUND

MATERIALS IN PLAN/SECTION

	NATIVE SOIL (SECTION)
	PLACED SOIL (SECTION)
	STRUCTURAL FILL SOIL (SECTION)
	DAILY / INTERMEDIATE COVER (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)

UTILITY/CIVIL LINE SYMBOLOGY

	PIPELINE
	LARGE PIPELINE
	UTILITY BENEATH STRUCTURE
	CENTERLINE
	PROPERTY BOUNDARY
	EASEMENT
	LIMITS OF CONSTRUCTION
	ROW
	EXISTING FENCE
	EXISTING VEGETATION/BRUSH LINE
	FENCE - BARB WIRE
	FENCE - CHAIN LINK
	FENCE - FIELD
	FENCE - OTHER
	FENCE - WOOD
	FENCE - WOVEN WIRE
	HIGHWAY GUARDRAIL
	ROCK BERM
	SILT FENCE
	FLOOD LIMIT (25 YEAR)
	FLOOD LIMIT (50 YEAR)
	FLOOD LIMIT (100 YEAR)
	FLOOD LIMIT (200 YEAR)
	FLOOD LIMIT (500 YEAR)

	FIBER OPTIC
	FUEL OIL
	NATURAL GAS
	INDUSTRIAL WASTE WATER
	SANITARY SEWER
	STORM SEWER
	DOMESTIC WATER
	DOMESTIC WATER NON-POTABLE
	OVERHEAD ELECTRICAL LINE
	UNDERGROUND ELECTRIC LINE
	LEACHATE PIPE (SOLID)
	LEACHATE PIPE (PERFORATED)
	LEACHATE FORCE MAIN
	COMPRESSED AIR LINE
	CONDENSATE LINE
	GROUNDWATER PIPE
	GROUNDWATER CONTROL TRENCH

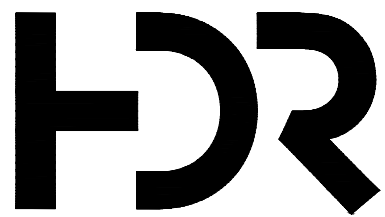
- GENERAL NOTES:
- THIS IS A STANDARD CIVIL SYMBOLOGY SHEET. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
  - SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.







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1	JAN 2025	ISSUED FOR BIDS
ISSUE	DATE	DESCRIPTION

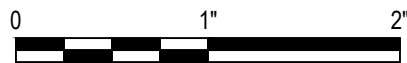
PROJECT MANAGER G. WILLIAMS  
CIVIL G. WILLIAMS  
DRAWN BY M. BICKFORD

PROJECT NUMBER 10409471



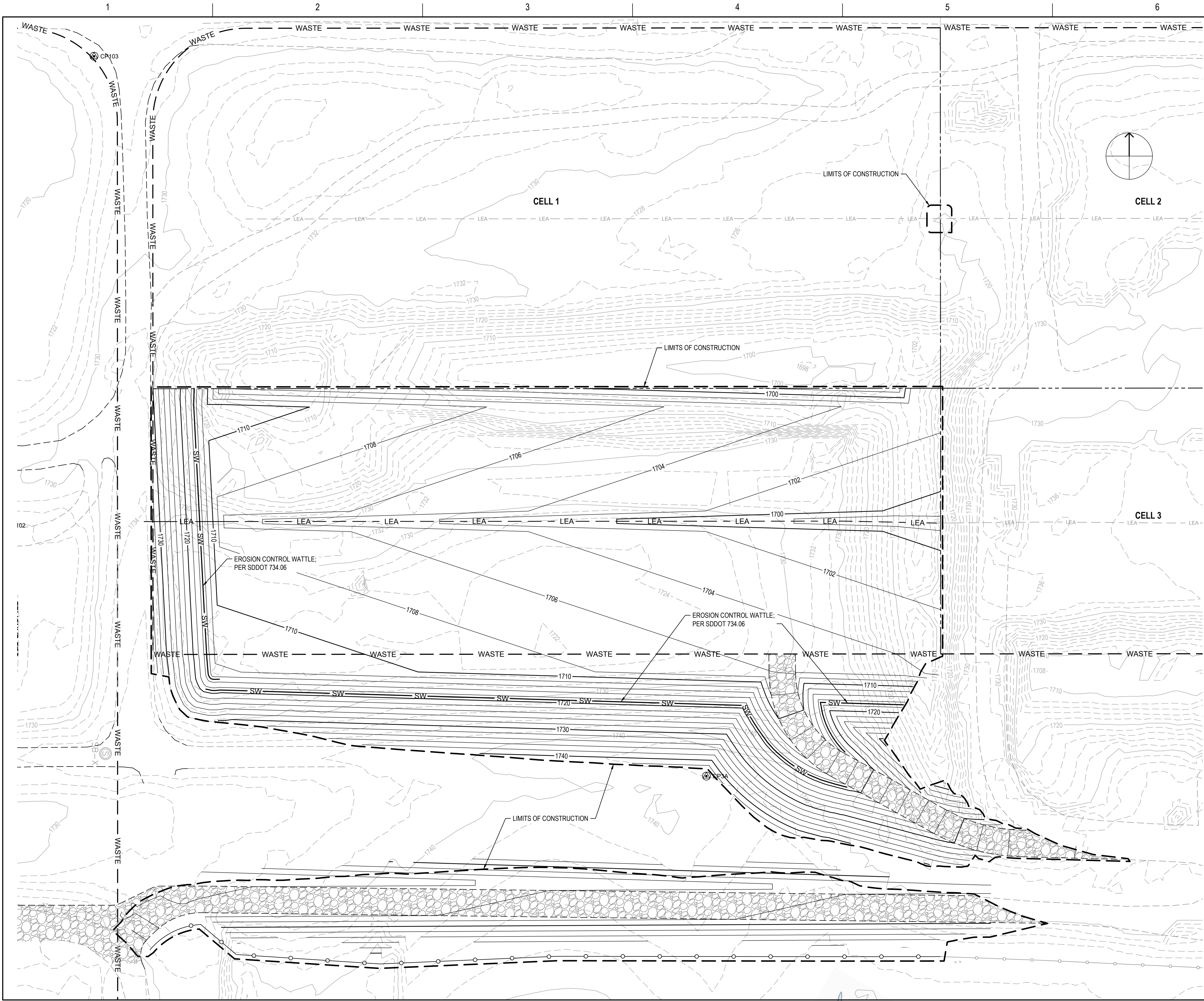
PIERRE REGIONAL LANDFILL  
CELL 4 CONSTRUCTION

STORMWATER POLLUTION & PREVENTION PLAN  
SITE MAP



FILENAME G003.dwg  
SCALE 1" = 60'

SHEET  
G003



GENERAL NOTES

SPECIFICATIONS

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:

1. ADDENDUM
2. CONTRACT SPECIAL PROVISIONS
3. PROJECT PLAN NOTES AND DRAWINGS
4. PROJECT SPECIFICATIONS
5. 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.

UTILITIES

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

CONTACT INFORMATION

CONTRACTOR INFORMATION:

PRIME CONTRACTOR NAME: \_\_\_\_\_

CONTRACTOR CONTACT NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

OFFICE PHONE: \_\_\_\_\_

CELL PHONE: \_\_\_\_\_

EROSION CONTROL SUPERVISOR:

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

OFFICE PHONE: \_\_\_\_\_

CELL PHONE: \_\_\_\_\_

CITY OF PIERRE:

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

OFFICE PHONE: \_\_\_\_\_

CELL PHONE: \_\_\_\_\_

SD DENR CONTACT SPILL REPORTING

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

SD DENR CONTACT FOR HAZARDOUS MATERIALS

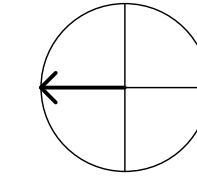
(605) 773-3153

NATIONAL RESPONSE CENTER HOTLINE

(800) 424-8802



LOT 1 OF LANDFILL SUBDIVISION IN THE  
W 1/2 SECTION 32-T111N-RR77W  
HUGHES COUNTY, SOUTH DAKOTA

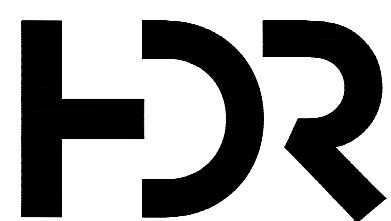


#### NOTES

- EXISTING TOPOGRAPHY PROVIDED BY BROSZ ENGINEERING, DATED DECEMBER 2023.
- ANY EXISTING BRUSH AND TREES REMOVED FOR CONSTRUCTION PURPOSES TO BE PLACED AT THE LOCATION NORTH OF CELL 1 AS INDICATED.
- CONTRACTOR TO COORDINATE TREE DEBRIS REMOVAL WITH ON SITE OPERATIONS.
- COORDINATE SOIL STOCKPILES WITH ON SITE OPERATIONS. COMPLETE STOCKPILE EAST OF THE C&D DISPOSAL AREA AND WITHIN THE CELL 1 AREA. ALL OTHER SOIL STOCKPILE SHOULD BE PLACED IN THE NORTH OF CELL 2.
- CONTRACTOR EQUIPMENT STAGING SHOULD BE WITHIN THE CELL 4 AREA.
- HAUL ROUTES SHOULD BE COORDINATED TO NOT IMPEDE SITE OPERATIONS. MAINTENANCE OF ROADWAYS IS THE CONTRACTORS RESPONSIBILITY DURING SOIL HAUL OPERATIONS.
- CONTRACTOR TO PROVIDE FOUR 25' HDPE PIPES TO EXTEND VERTICALLY. INSTALL WORM GEAR BAND, OR EQUIVALENT EVERY 5 TO 7 FEET. SITE STAFF WILL PROVIDE SUPPORTING STRUCTURE AND WILL COORDINATE ADDITIONAL WASTE BALES TO STABILIZE EXTENSIONS.
- CONTRACTOR TO REMOVE AND SALVAGE FENCING WITHIN THE CELL 4 AREA. ROLLED FENCING AND POLES CAN BE PLACED IN THE DESIGNATED FENCE MATERIALS STOCKPILE AREA SHOWN ON THIS SHEET.

#### EXISTING TRAVERSE POINTS TABLE

POINT	NORTHING	EASTING
TP?	741568.03	2022094.74
TP1B	746520.20	2022704.10
TP1C	746294.20	2023422.84
TP1D	746458.67	2024056.38
TP2	745946.56	2022055.17
TP3	745319.38	2022054.52
TP4	744179.08	2022058.62
TP5	742971.25	2022052.39
TP5B	742560.19	2022059.92
TP7	741565.20	2023448.01
TP8	741571.83	2023852.61
TPSE	742159.74	2023810.94



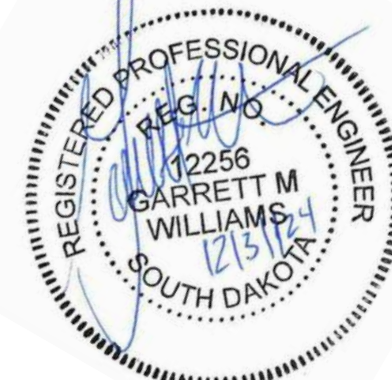
1	JAN 2025	ISSUED FOR BIDS
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER G. WILLIAMS

CIVIL G. WILLIAMS

DRAWN BY M. BICKFORD

PROJECT NUMBER 10409471



## PIERRE REGIONAL LANDFILL CELL 4 CONSTRUCTION

#### OVERALL SITE PLAN



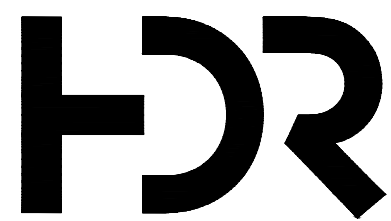
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SCALE 1" = 200'

SHEET

G004

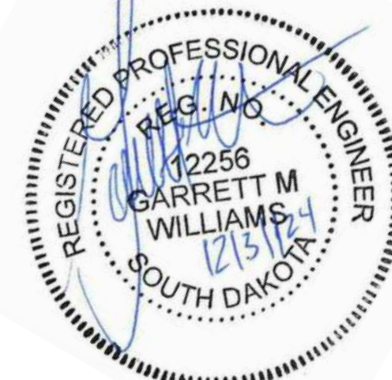


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1	JAN 2025	ISSUED FOR BIDS
ISSUE	DATE	DESCRIPTION

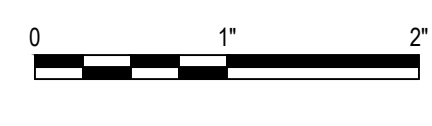
PROJECT MANAGER	G. WILLIAMS
CIVIL	G. WILLIAMS
DRAWN BY	M. BICKFORD
PROJECT NUMBER	10409471





CITY OF  
**PIERRE**  
SOUTH DAKOTA

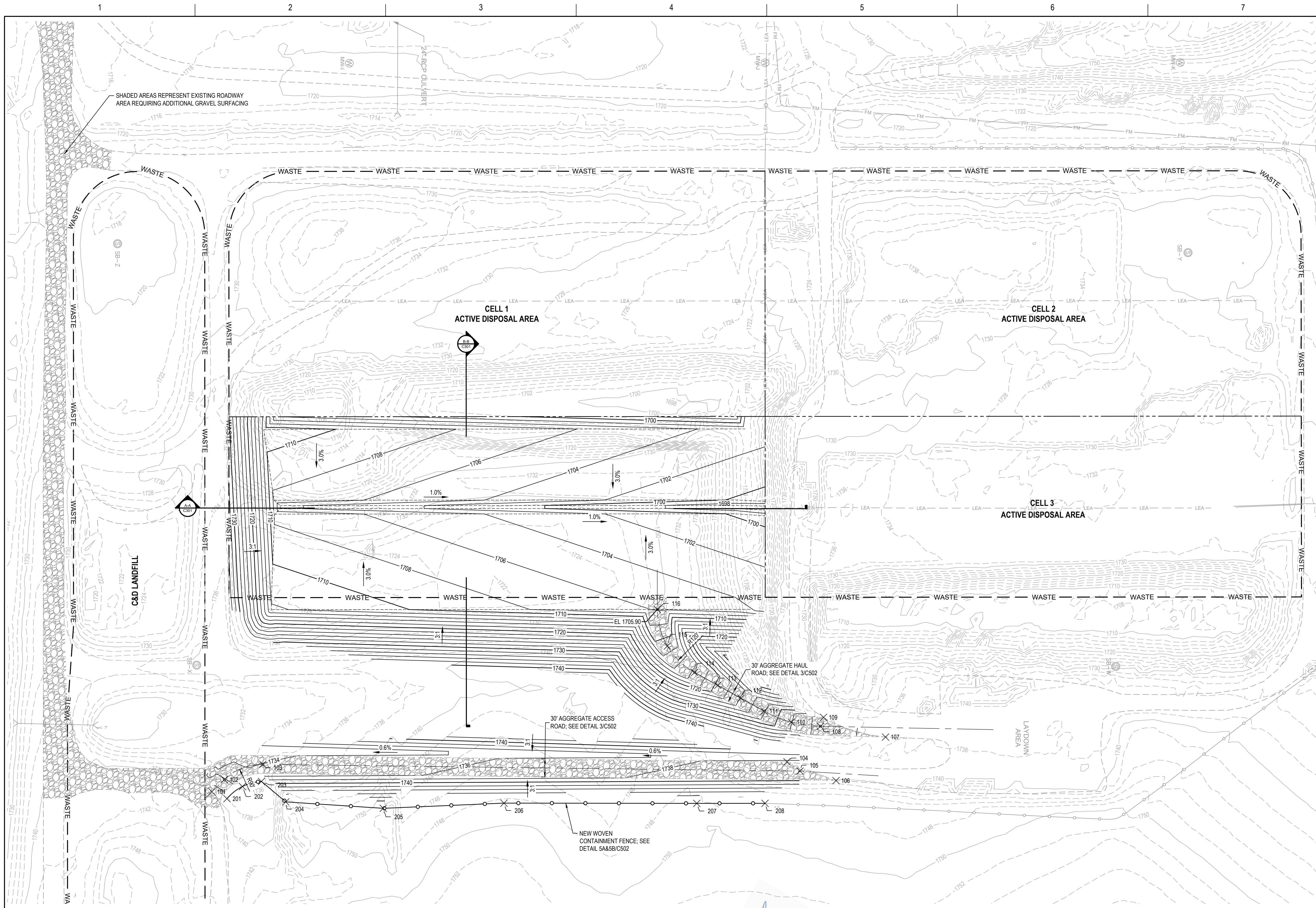
PIERRE REGIONAL LANDFILL  
CELL 4 CONSTRUCTION



EXCAVATION GRADING PLAN

FILENAME | C101.dwg  
SCALE | 1" = 80'

SHEET  
**C101**



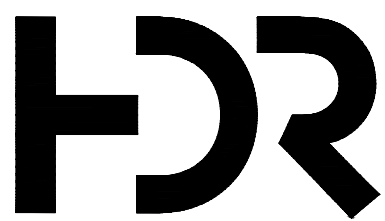
- NOTES**
- EXISTING TOPOGRAPHY PROVIDED BY BROSZ ENGINEERING, DATED DECEMBER 2023.
  - GRADING SHOWN ON THIS PLAN SHEET REPRESENT BOTTOM OF EXCAVATION. DRAINAGE LAYER ON THE CELL FLOOR IS 12" ABOVE THE GRADING SHOWN ON THIS PLAN.
  - RELOCATED ROADWAY WILL UTILIZE SALVAGE MATERIALS AND REQUIRE ADDITIONAL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

ROADWAY POINT TABLE				
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

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

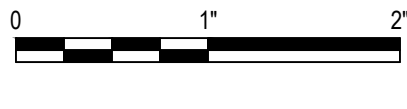
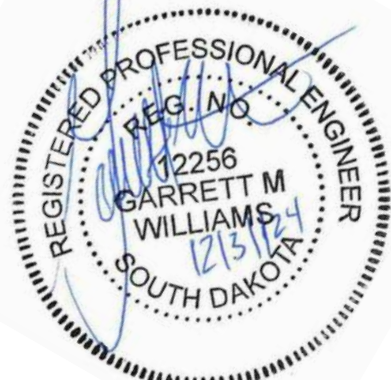


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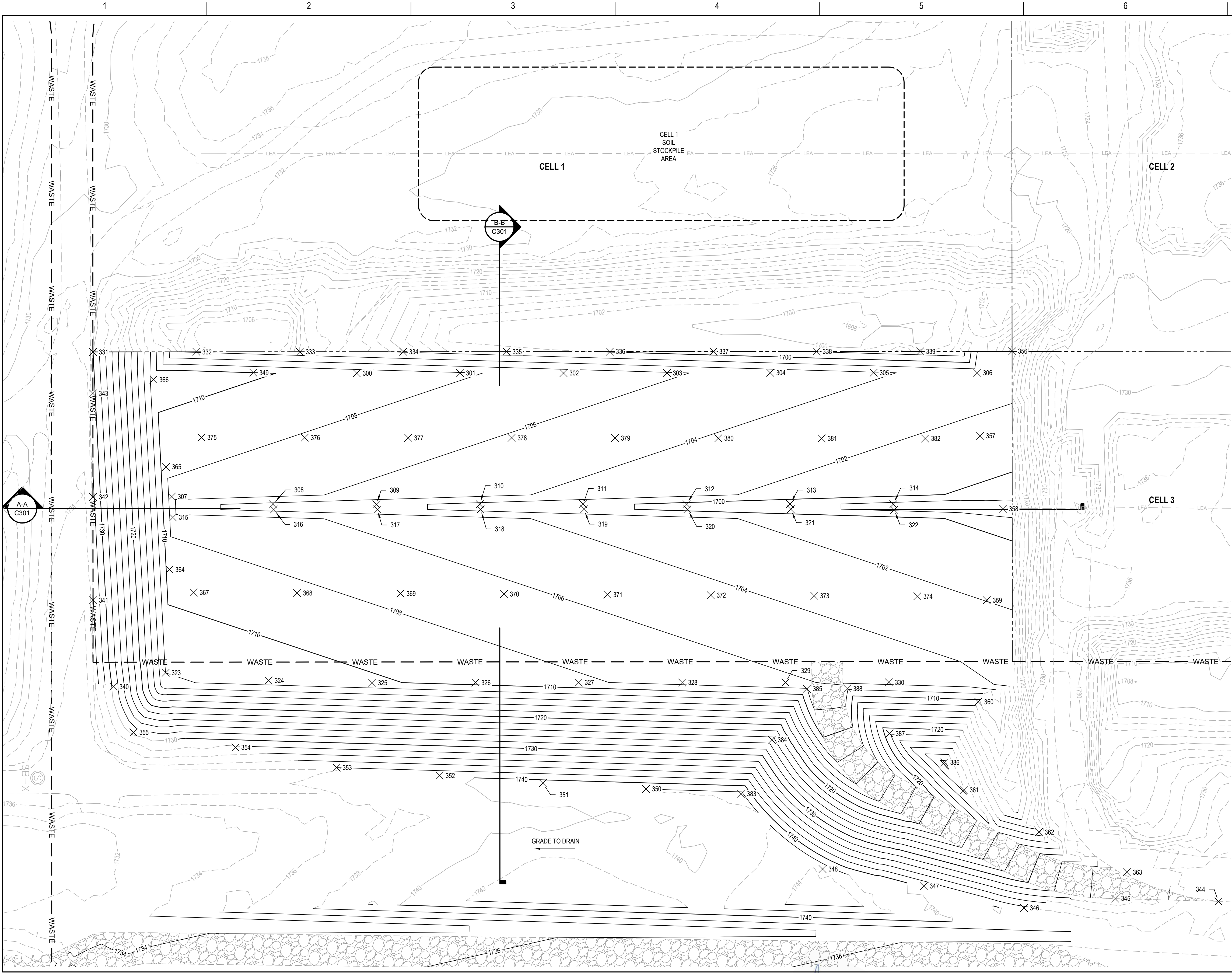
1	JAN 2025	ISSUED FOR BIDS
ISSUE	DATE	DESCRIPTION

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



FILENAME C102.dwg  
SCALE 1" = 50'

SHEET  
**C102**



**NOTES**

- EXISTING TOPOGRAPHY PROVIDED BY BROSZ ENGINEERING, DATED DECEMBER 2023.
- 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.
- RELOCATED ROADWAY WILL UTILIZE SALVAGE MATERIALS AND REQUIRE ADDITIONAL GRAVEL SURFACING.

**EXCAVATION POINT TABLE**

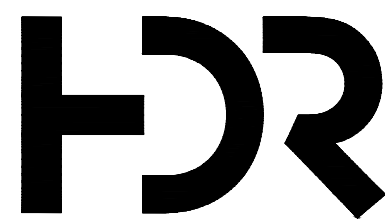
POINT NO.	NORTHING	EASTING	ELEVATION
300	743772.24	2022909.04	1709.22
301	743772.33	2023009.04	1708.22
302	743772.42	2023109.04	1707.22
303	743772.51	2023209.04	1706.22
304	743772.60	2023309.04	1705.22
305	743772.69	2023409.04	1704.22
306	743772.77	2023509.04	1703.22
307	743652.97	2022730.21	1707.00
308	743645.45	2022828.03	1703.49
309	743645.51	2022928.03	1702.49
310	743645.58	2023028.03	1701.49
311	743645.64	2023128.03	1700.49
312	743645.71	2023228.03	1699.49
313	743645.78	2023328.03	1698.49
314	743645.61	2023428.03	1697.49
315	743632.77	2022731.20	1707.00
316	743640.45	2022828.85	1703.49
317	743640.51	2022928.85	1702.49
318	743640.58	2023028.85	1701.49
319	743640.65	2023128.85	1700.49
320	743640.71	2023228.85	1699.49
321	743640.78	2023328.85	1698.49
322	743640.24	2023428.85	1697.69
323	743482.51	2022724.14	1712.00
324	743475.13	2022823.86	1711.23
325	743473.01	2022923.78	1710.29
326	743473.08	2023023.78	1709.29
327	743473.14	2023123.78	1708.29
328	743473.21	2023223.78	1707.29
329	743473.27	2023323.78	1706.29
330	743473.34	2023423.78	1705.29
331	743792.83	2022653.97	1730.00
332	743792.90	2022753.97	1703.83
333	743792.96	2022853.97	1702.84
334	743793.03	2022953.97	1701.85
335	743793.10	2023053.97	1700.86
336	743793.16	2023153.97	1699.87
337	743793.23	2023253.97	1698.87
338	743793.29	2023353.97	1697.88
339	743793.36	2023453.97	1696.89
340	743469.10	2022673.73	1729.50
341	743552.71	2022653.93	1734.10
342	743652.71	2022653.89	1732.41
343	743752.71	2022653.86	1730.72
344	743261.53	2023742.52	1737.00

**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	2023610.20	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	2023458.79	1701.91
383	743365.65	2023280.69	1742.59
384	743417.73	2023310.45	1724.92
385	743467.13	2023344.45	1708.14
386	743395.86	2023477.29	1730.59
387	743423.89	2023424.50	1721.77
388	743467.34	2023383.41	1707.68

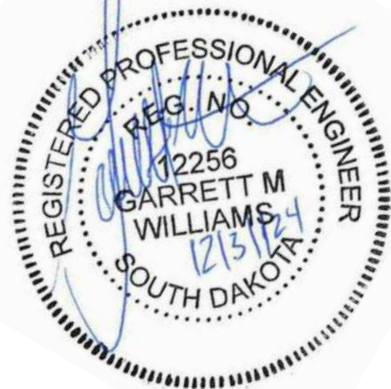


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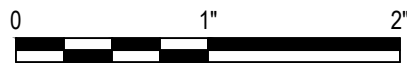
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ISSUE	DATE	DESCRIPTION

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



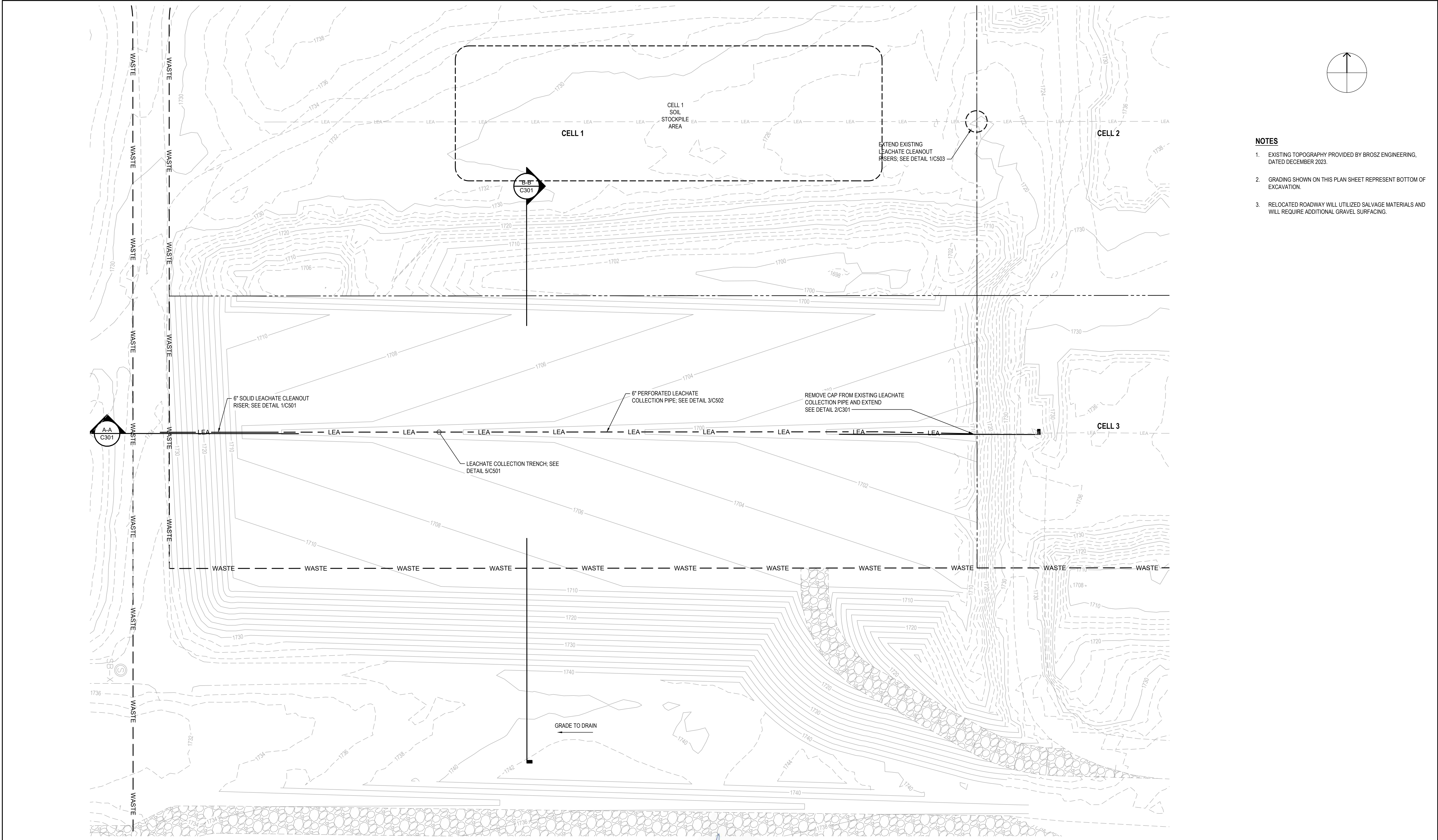
PIERRE REGIONAL LANDFILL  
CELL 4 CONSTRUCTION

LEACHATE COLLECTION PLAN



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SCALE | 1" = 50'

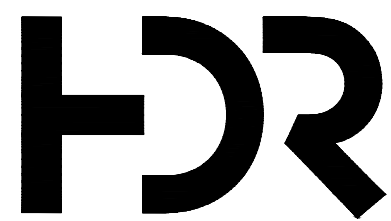
SHEET  
C103



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



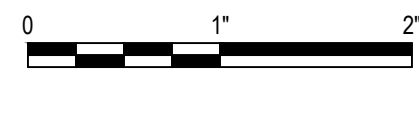
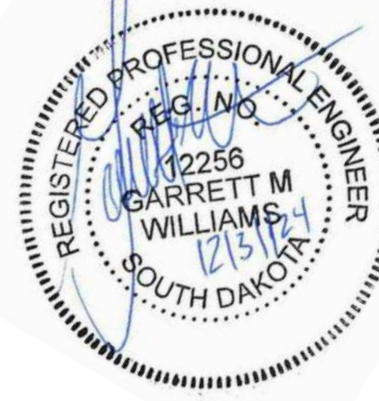
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**SECTION B-B**  
C101 H: 1" = 50' | V: 1" = 10'

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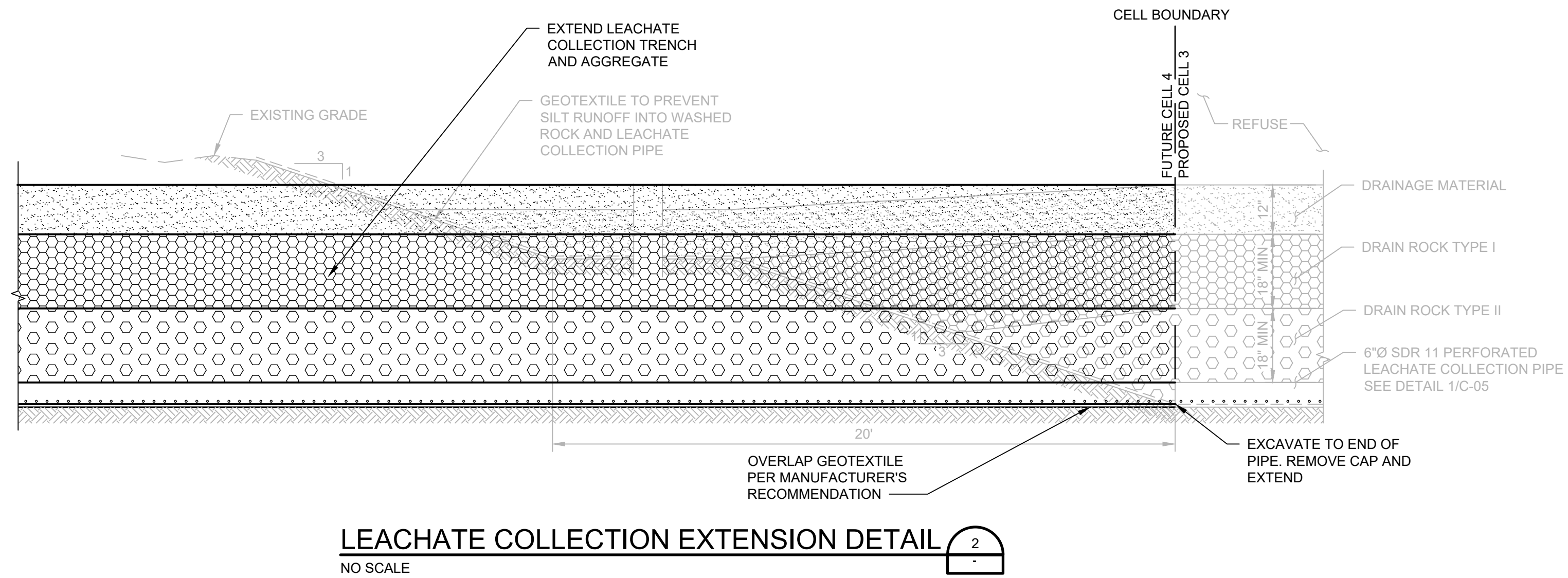
PROJECT MANAGER G. WILLIAMS  
CIVIL G. WILLIAMS  
DRAWN BY M. BICKFORD  
PROJECT NUMBER 10409471



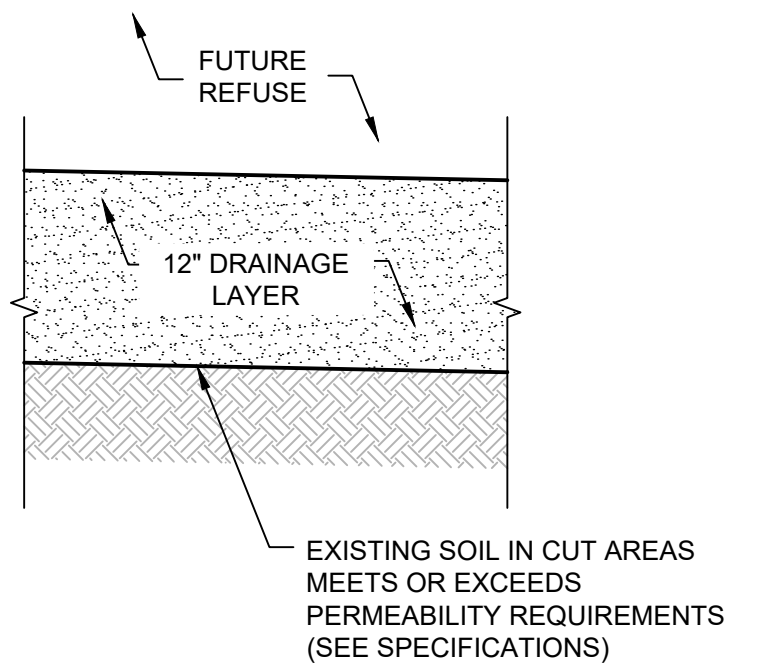
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SCALE

SHEET  
**C301**

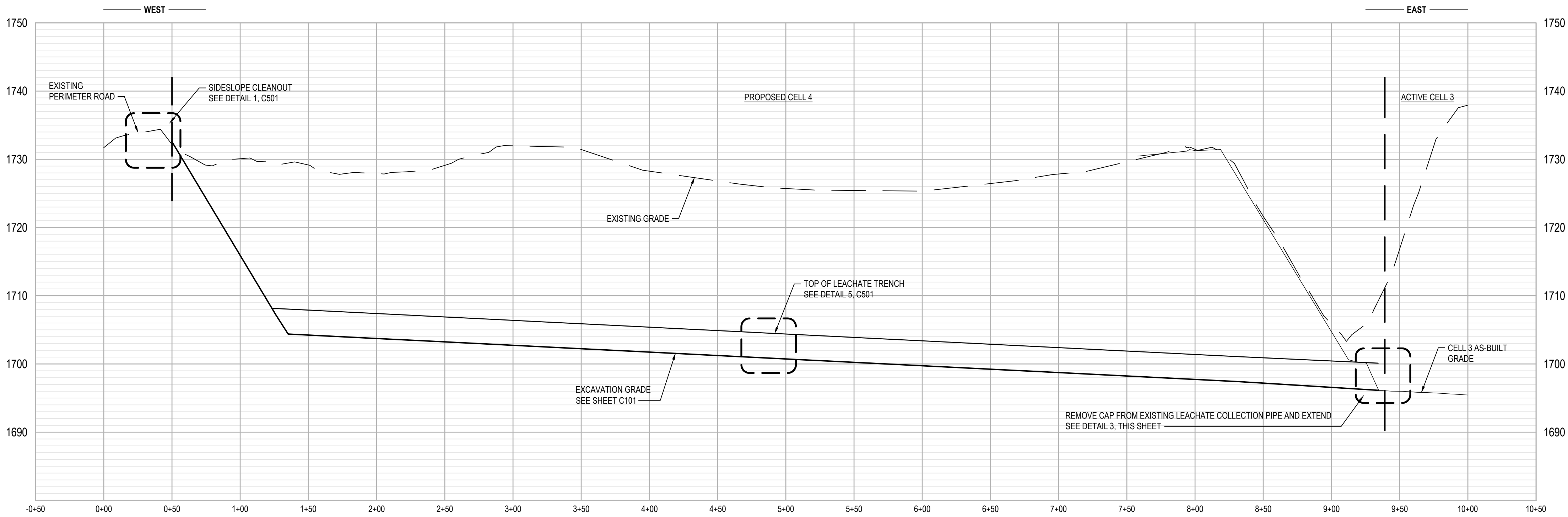
**CROSS-SECTIONS**



**TYPICAL LINER DETAIL**  
NO SCALE

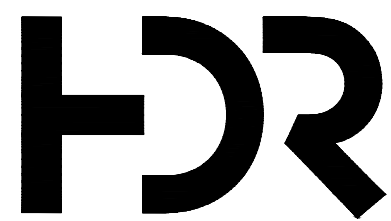


**SECTION A-A**  
C101 H: 1" = 50' | V: 1" = 10'



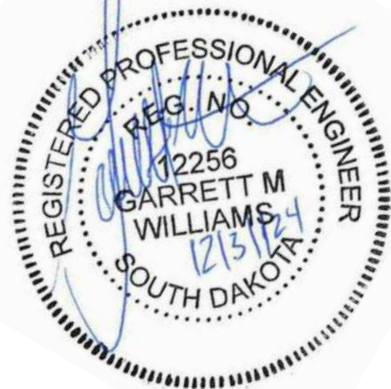


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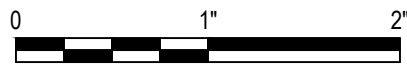
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ISSUE	DATE	DESCRIPTION

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



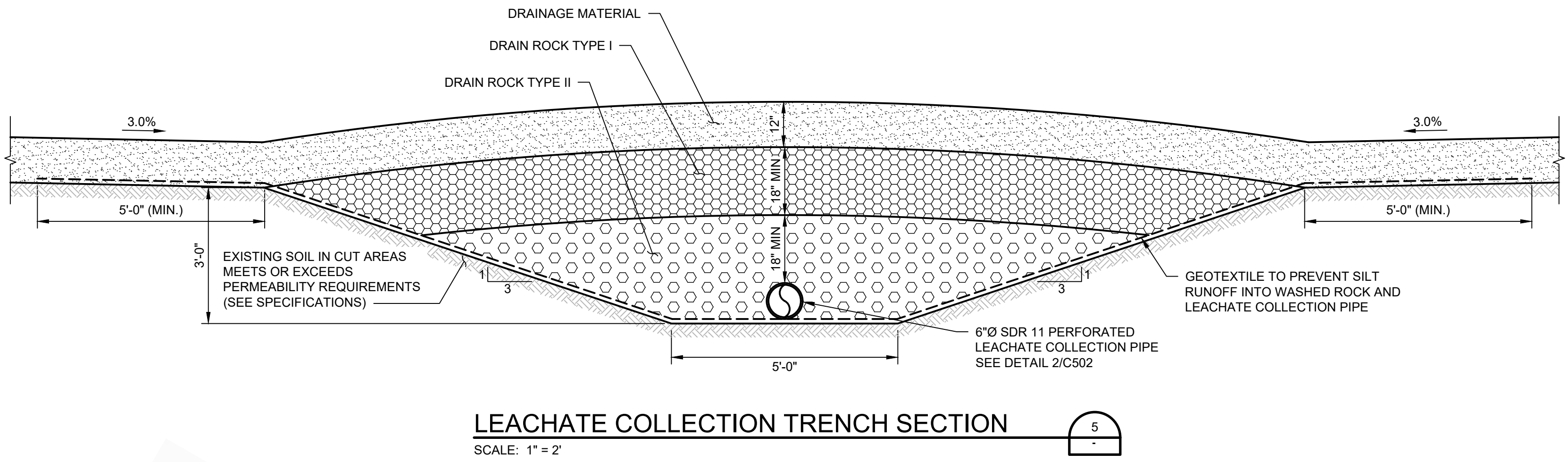
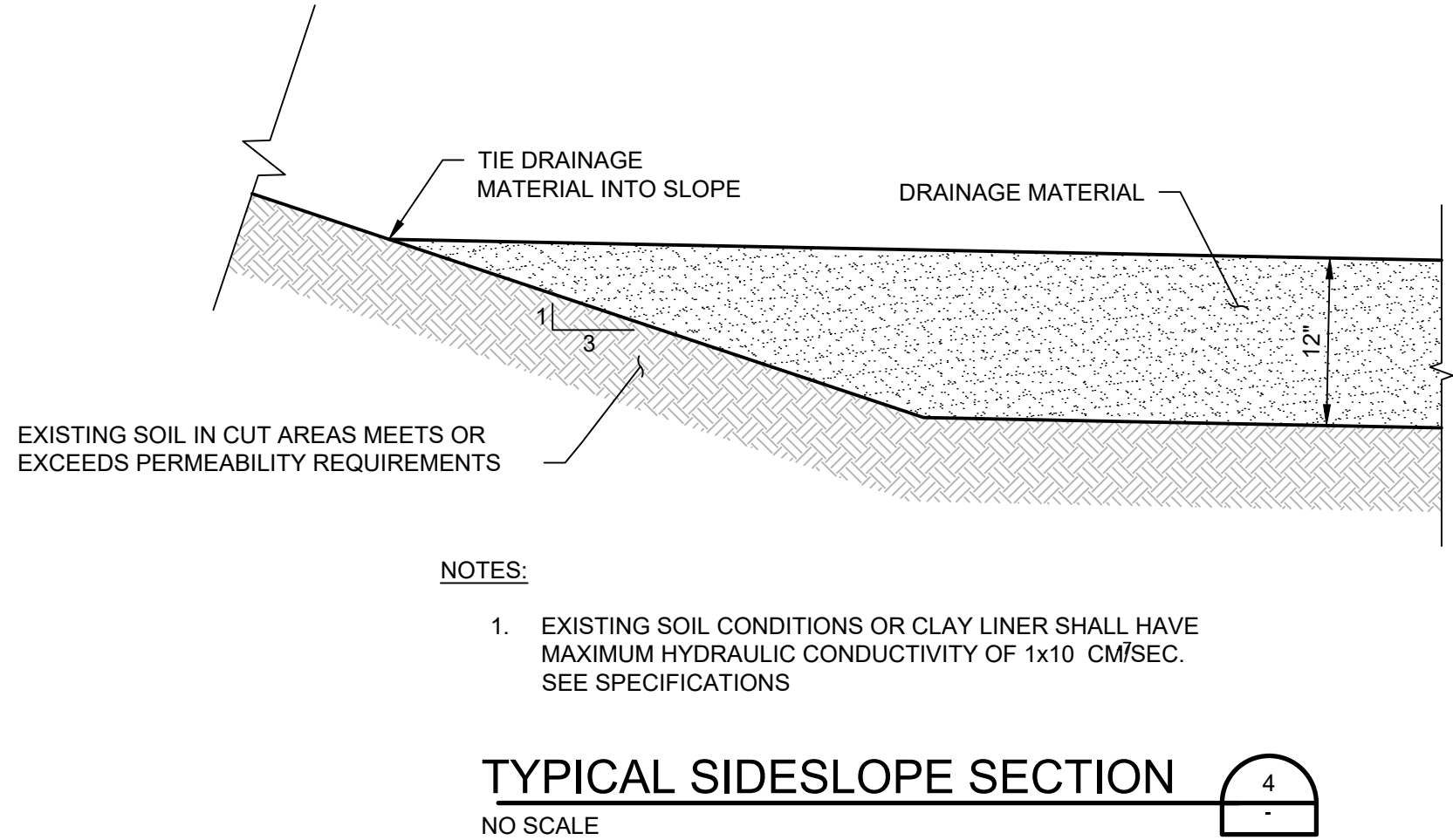
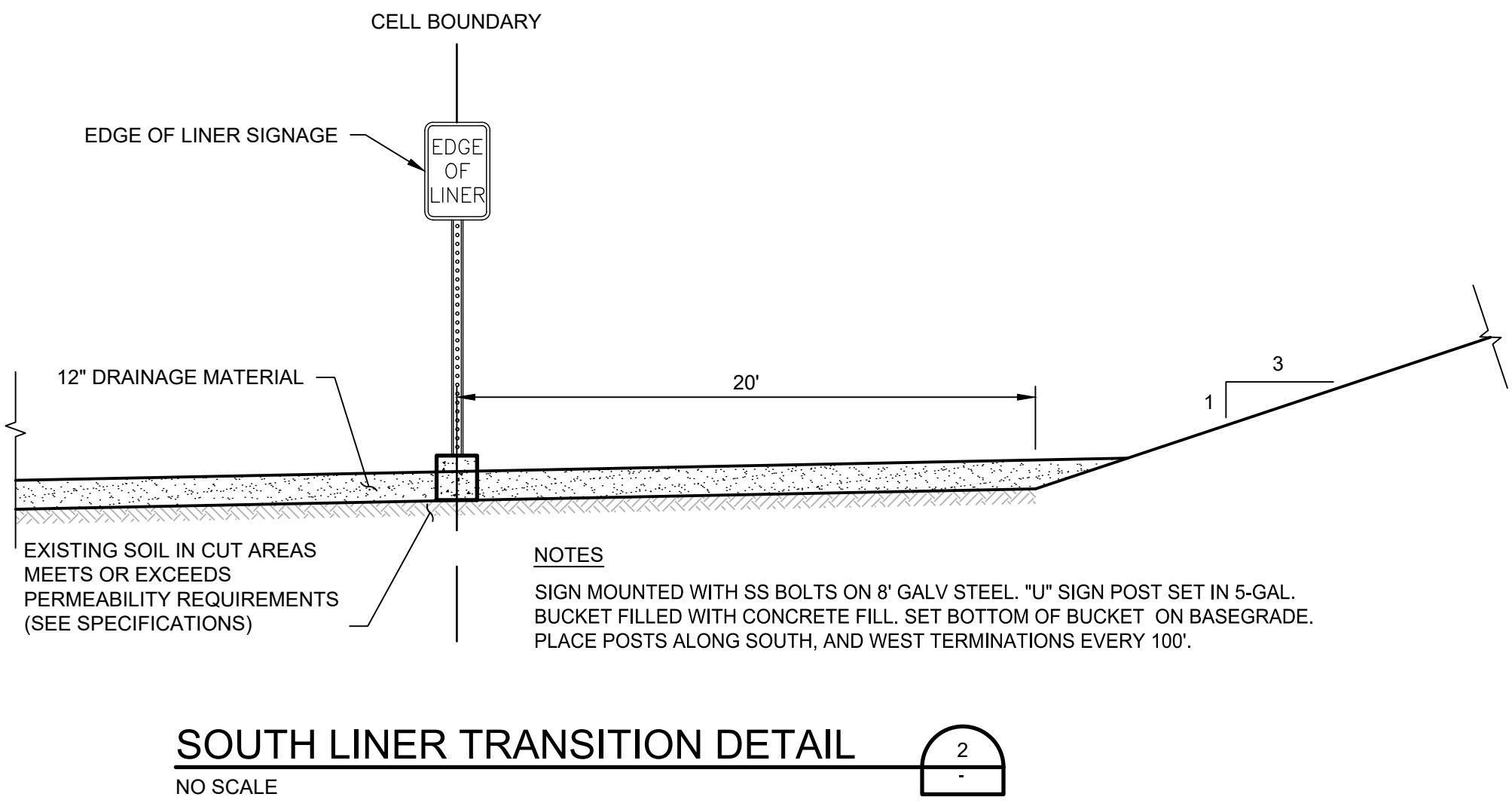
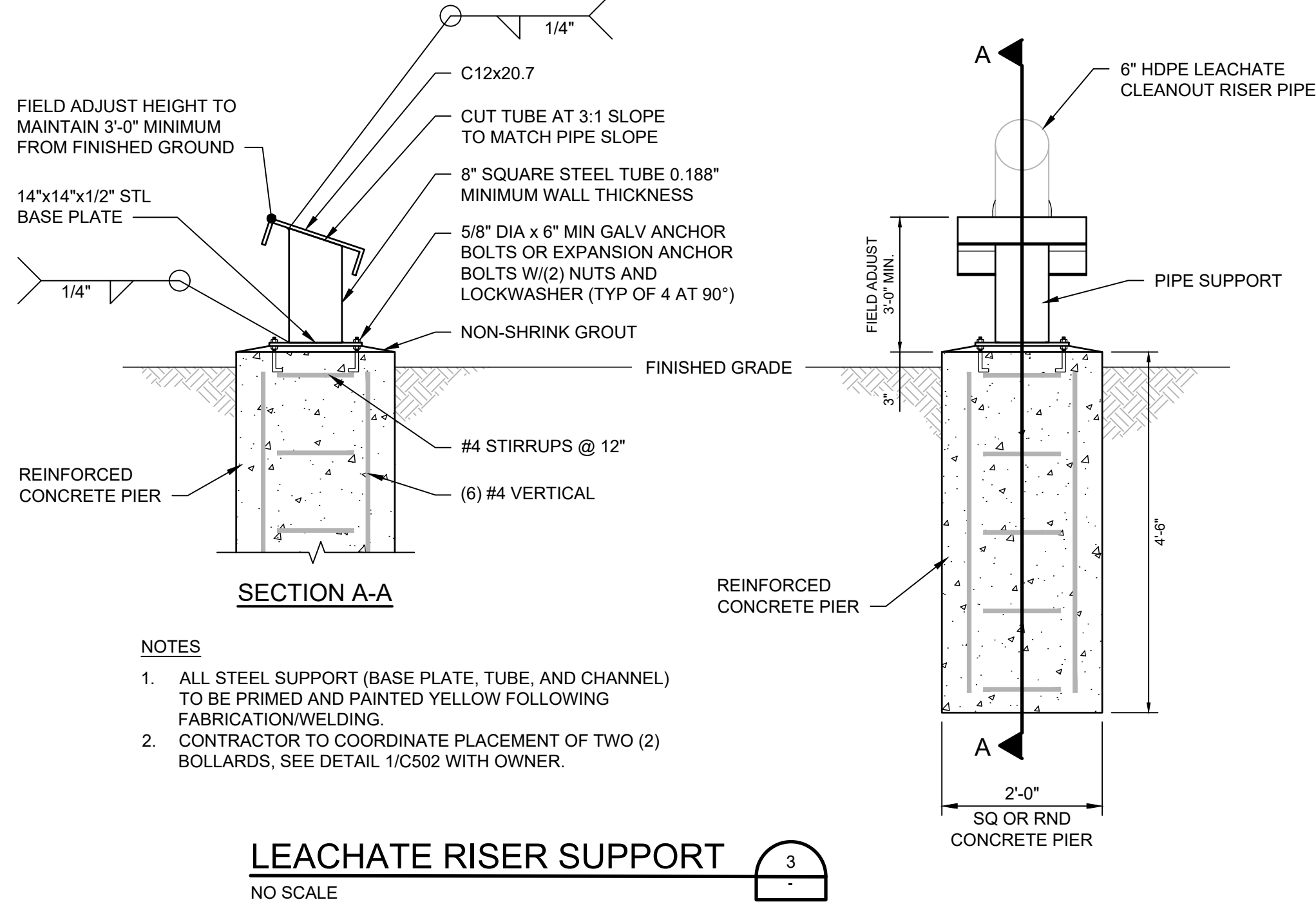
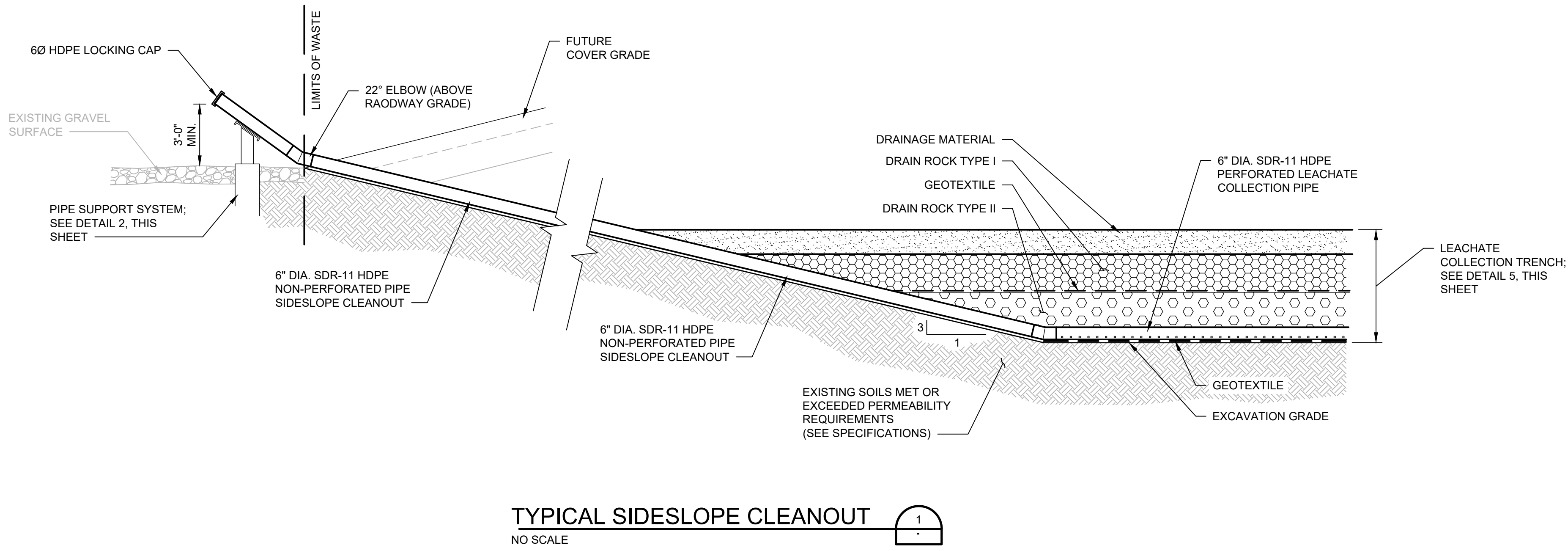
PIERRE REGIONAL LANDFILL  
CELL 4 CONSTRUCTION

LEACHATE COLLECTION DETAILS

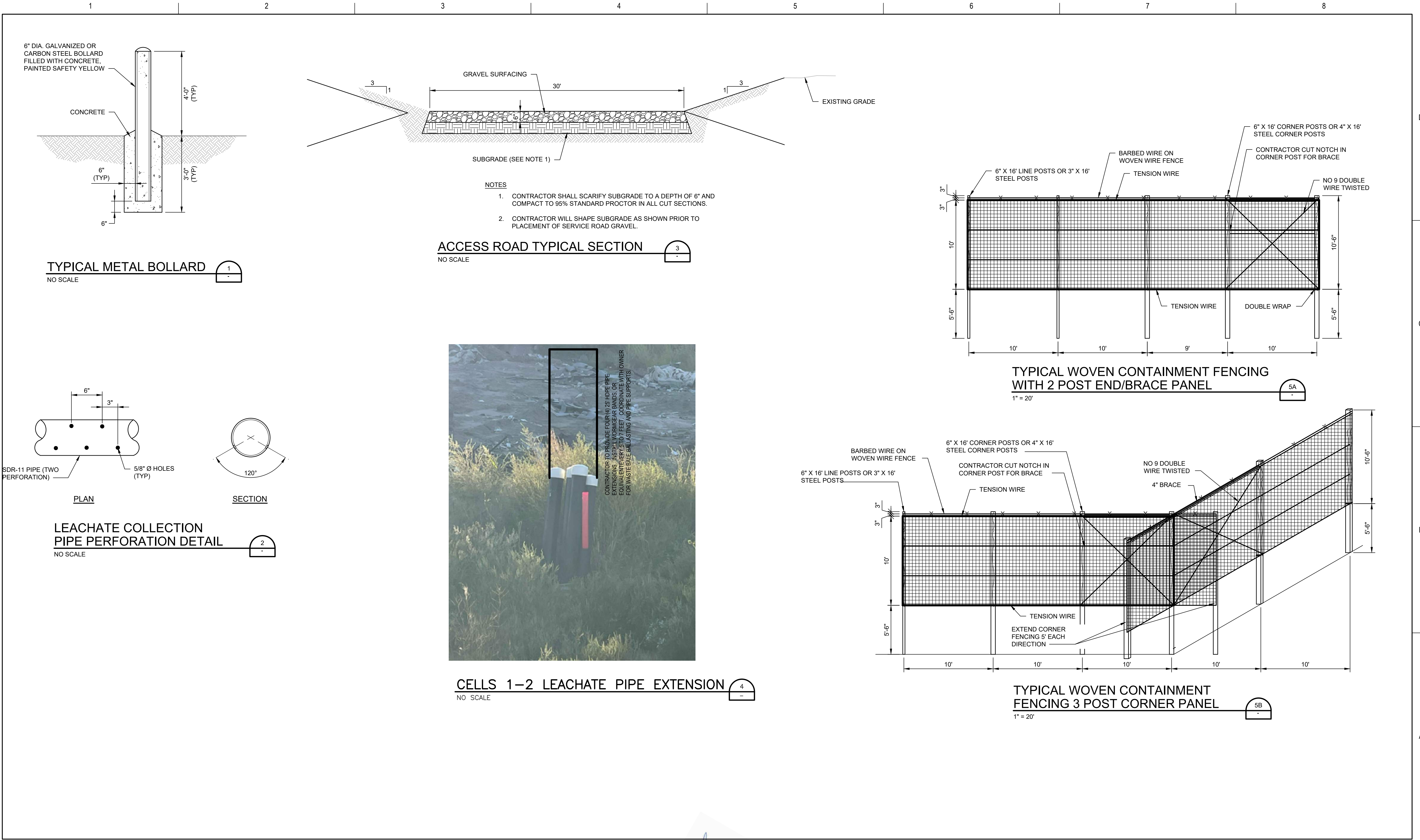


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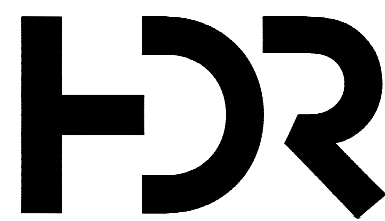
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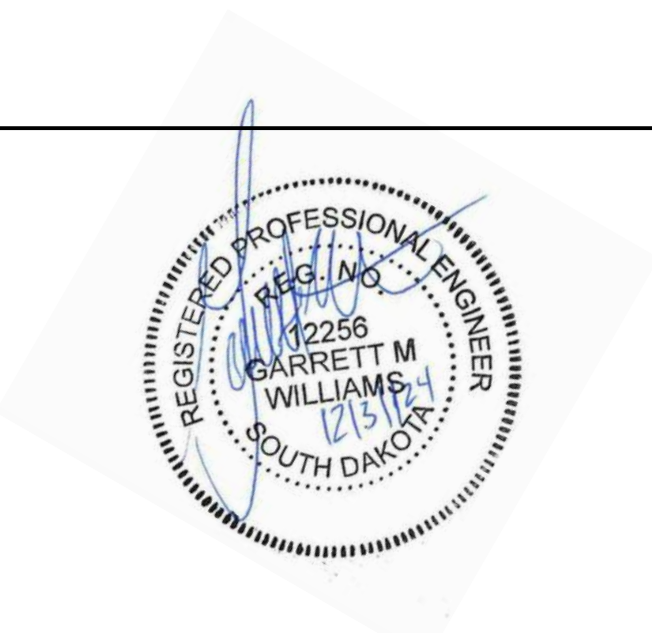


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1	JAN-2025	ISSUED FOR BIDS
ISSUE	DATE	DESCRIPTION

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



**CITY OF PIERRE**  
SOUTH DAKOTA

**PIERRE REGIONAL LANDFILL  
CELL 4 CONSTRUCTION**

**MISCELLANEOUS DETAILS**

0 1" 2"

FILENAME: C502.dwg  
SCALE

SHEET  
**C502**