

February 20, 2025
File No. 27224561.00

Mr. Mike Smith, Environmental Engineer Senior
Land Quality Bureau
Iowa Department of Natural Resources
6200 Park Avenue
Des Moines, Iowa 50321

Transmitted via email to: mike.smith@dnr.iowa.gov

Subject: Response to Comment – Request for Approval to Construct – Cell H
Loess Hills Regional Landfill
Permit No. 65-SDP-01-72P

Dear Mr. Smith:

On behalf of Iowa Waste Services, LLC. (Iowa Waste), SCS Engineers (SCS) is responding to the Iowa Department of Natural Resources (IDNR) comments (Document ID 112202) and is submitting two revised drawings as requested. The enclosed drawings C3.0–Groundwater System and C3.3–Leachate Collection System have been revised to specify a long sweep elbow and minimum radius associated with the planned cleanout extensions. All other information contained in the original request (Document ID 112168) remains the same.

If you have any questions regarding the information provided above, please reach out to us at the contact information listed below.

Sincerely,



Zachary Mahon, PE*
Project Manager
SCS Engineers
zmahon@scsengineers.com
(402) 938-0321
*Licensed in NE



Morgan B. Sykes, PE
Senior Project Manager
SCS Engineers
msykes@scsengineers.com
(402) 938-0323

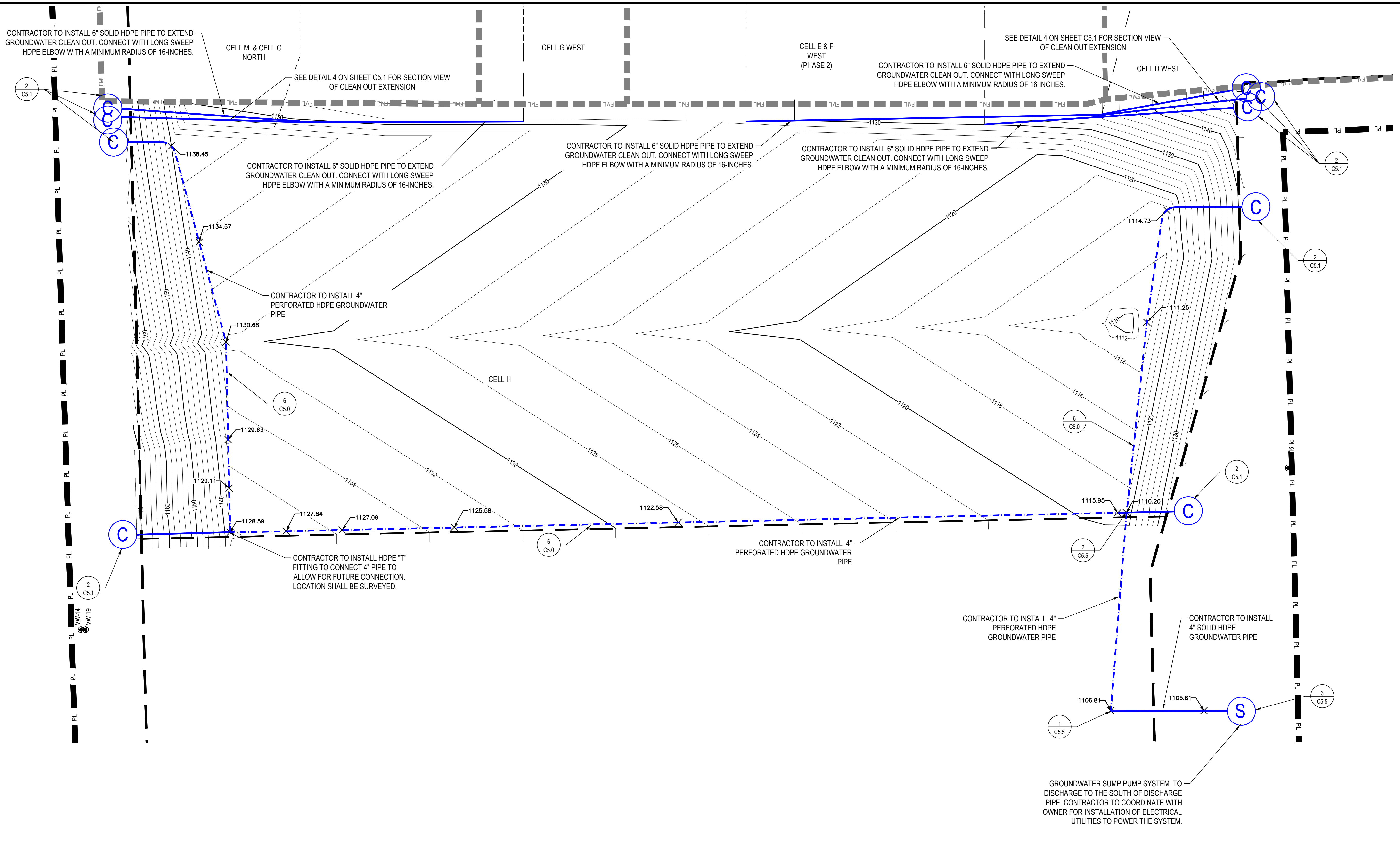
ZM/MS/TB

cc: Ms. Becky Jolly, Iowa Department of Natural Resources (electronic)
Ms. Rachel Hanigan, Iowa Waste Services (electronic)
Mr. Kelly Danielson, Iowa Waste Services (electronic)
Mr. Chaz Roberts, Iowa Waste Services (electronic)

Encl. Revised Cell H Construction Drawings

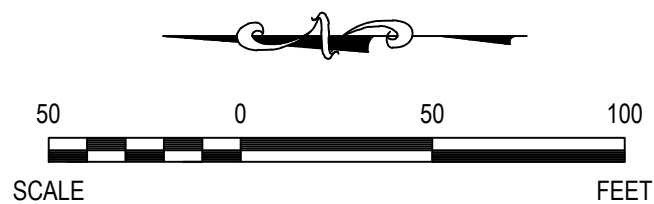


T:\2722661\00\OUTCADD\SHETS\C3.0.GROUNDWATER UNDERDRAIN SYSTEM.DWG



NOTES:

1. CONTRACTOR TO INSTALL PERMANENT LABELS ON ALL CLEANOUT PIPES. CONTRACTOR TO COORDINATE WITH OWNER FOR NAMING CONVENTION ON LABELS.
2. EXISTING GROUNDWATER PIPE NETWORK IS NOT CONNECTED TO THE CELL H GROUNDWATER PIPE NETWORK.
3. POINT ELEVATIONS PROVIDED FOR THE CELL H GROUNDWATER PIPE REPRESENT THE INVERT OF THE PIPE.
4. OWNER TO PURCHASE THE GROUNDWATER SUMP PUMP. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE PUMP AND COORDINATING WITH THE OWNER PROVIDED ELECTRICIAN TO CONNECT THE SYSTEM TO THE OVERHEAD ELECTRIC POWER.
5. GRADES SHOWN ON THIS SHEET REPRESENT THE TOP OF SUBGRADE.



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| CHK BY | |
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SHEET TITLE
GROUNDWATER SYSTEM

PROJECT TITLE
**LOESS HILLS REGIONAL SANITARY LF
 CELL H CONSTRUCTION PROJECT**

CLIENT
IOWA WASTE SERVICES, LLC
 59722 290TH STREET
 MALVERN, IA 51551

SCS ENGINEERS
 14755 GROVER STREET
 OMAHA, NE 68144
 PH. (402) 884-6202 FAX. (913) 861-0012

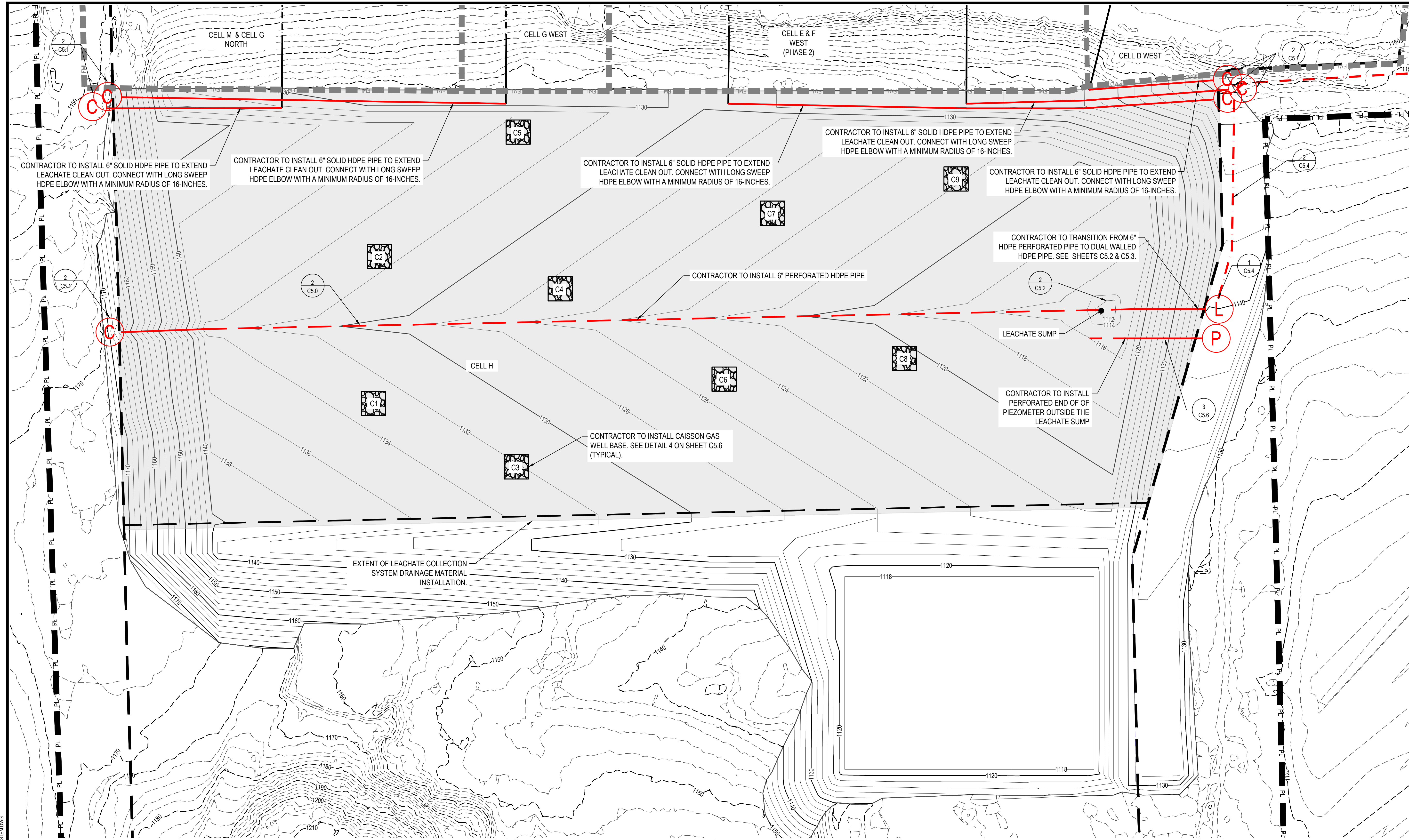
PROJ. NO. 2722661.00
 DES. BY: EWW
 CHK. BY: EWW
 INSP. BY: ZEM
 PROJ. MGR. ZEM

CADD FILE:
 C3.0.GROUNDWATER UNDERDRAIN SYSTEM.DWG

DATE:
 2/11/25

DRAWING NO.
C3.0

ISSUED FOR BID



CONTRACTOR TO INSTALL 6" SOLID HDPE PIPE TO EXTEND LEACHATE CLEAN OUT. CONNECT WITH LONG SWEEP HDPE ELBOW WITH A MINIMUM RADIUS OF 16-INCHES.

CONTRACTOR TO INSTALL 6" SOLID HDPE PIPE TO EXTEND LEACHATE CLEAN OUT. CONNECT WITH LONG SWEEP HDPE ELBOW WITH A MINIMUM RADIUS OF 16-INCHES.

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CONTRACTOR TO TRANSITION FROM 6" HDPE PERFORATED PIPE TO DUAL WALLED HDPE PIPE. SEE SHEETS C5.2 & C5.3.

CONTRACTOR TO INSTALL 6" PERFORATED HDPE PIPE

LEACHATE SUMP

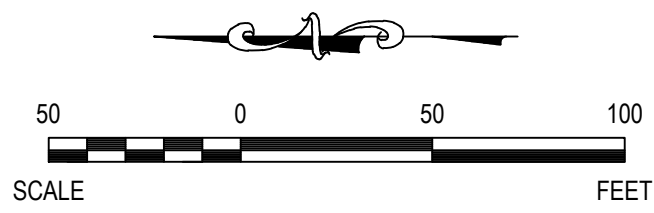
CONTRACTOR TO INSTALL PERFORATED END OF OF PIEZOMETER OUTSIDE THE LEACHATE SUMP

CONTRACTOR TO INSTALL CAISSON GAS WELL BASE. SEE DETAIL 4 ON SHEET C5.6 (TYPICAL).

EXTENT OF LEACHATE COLLECTION SYSTEM DRAINAGE MATERIAL INSTALLATION.

NOTES:

1. CONTRACTOR TO EXTEND EXISTING LEACHATE COLLECTION SYSTEM CLEANOUTS.
2. CONTRACTOR TO INSTALL PERMANENT LABELS ON ALL CLEANOUT PIPES. CONTRACTOR TO COORDINATE WITH OWNER FOR NAMING CONVENTIONS ON LABELS.
3. CONTRACTOR TO COORDINATE WITH OWNER TO CONNECT THE ELECTRICAL POWER TO THE LEACHATE FORCEMAIN SYSTEM.
4. GRADES SHOWN ON THIS SHEET REPRESENT TOP OF SOIL LINER.



CAISSON WELL BASE COORDINATE TABLE

| CAISSON WELL | NORTHING | EASTING |
|--------------|----------|---------|
| C1 | 5583.7 | 2051.2 |
| C2 | 5577.2 | 2209.0 |
| C3 | 5430.2 | 1983.1 |
| C4 | 5383.1 | 2174.5 |
| C5 | 5428.2 | 2342.8 |

CAISSON WELL BASE COORDINATE TABLE

| CAISSON WELL | NORTHING | EASTING |
|--------------|----------|---------|
| C6 | 5207.1 | 2077.4 |
| C7 | 5155.3 | 2255.7 |
| C8 | 5013.5 | 2099.8 |
| C9 | 4958.0 | 2292.5 |

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| CK BY: _____ DATE: _____ REV: <table border="1" style="font-size: 8px;"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table> | | | | | | | | | | | | | | | | | SHEET TITLE LEACHATE COLLECTION SYSTEM PROJECT TITLE LOESS HILLS REGIONAL SANITARY LF CELL H CONSTRUCTION PROJECT | CLIENT IOWA WASTE SERVICES, LLC 59722 290TH STREET MALVERN, IA 51551 |
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| SCS ENGINEERS 14755 GROVER STREET OMAHA, NE 68144 PH. (402) 884-6202 FAX. (913) 861-0012 <small>PROJ. NO. 21224561.00 DWN. BY: EWW CHK. BY: ZEM PROJ. MGR. ZEM</small> | CADD FILE: C3.3 LEACHATE COLLECTION SYSTEM.DWG DATE: 2/11/25 DRAWING NO. | C3.3 ISSUED FOR BID | | | | | | | | | | | | | | | | |

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