# Department of
# Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

**JED Class I Landfill**
Facility name

Update - Landfill Gas Migration Remediation Plan
Type of meeting

**December 7, 2011**
Date

| NAME | AFFILIATION | PHONE w/ area code | E-MAIL |
|---|---|---|---|
| Tom Lubozynski | FDEP | 407-897-4300 | Tom.lubozynski@dep.state.fl.us |
| Kim Rush | FDEP | 407-897-4314 | Kim.rush@dep.state.fl.us |
| Marjorie Heidorn | FDEP | 407-897-4302 | Marjorie.heidorn@dep.state.fl.us |
| Brad Stone | HDR | 904 598 8953 | Brad.Stone@hdrinc.com |
| Mike Kaiser | WSI | 904 673-0446 | mkaiser@wsii.us |
| Cliff Koenig | HDR | 904-598-8931 | ckoenig@hdrinc.com |
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COMACO
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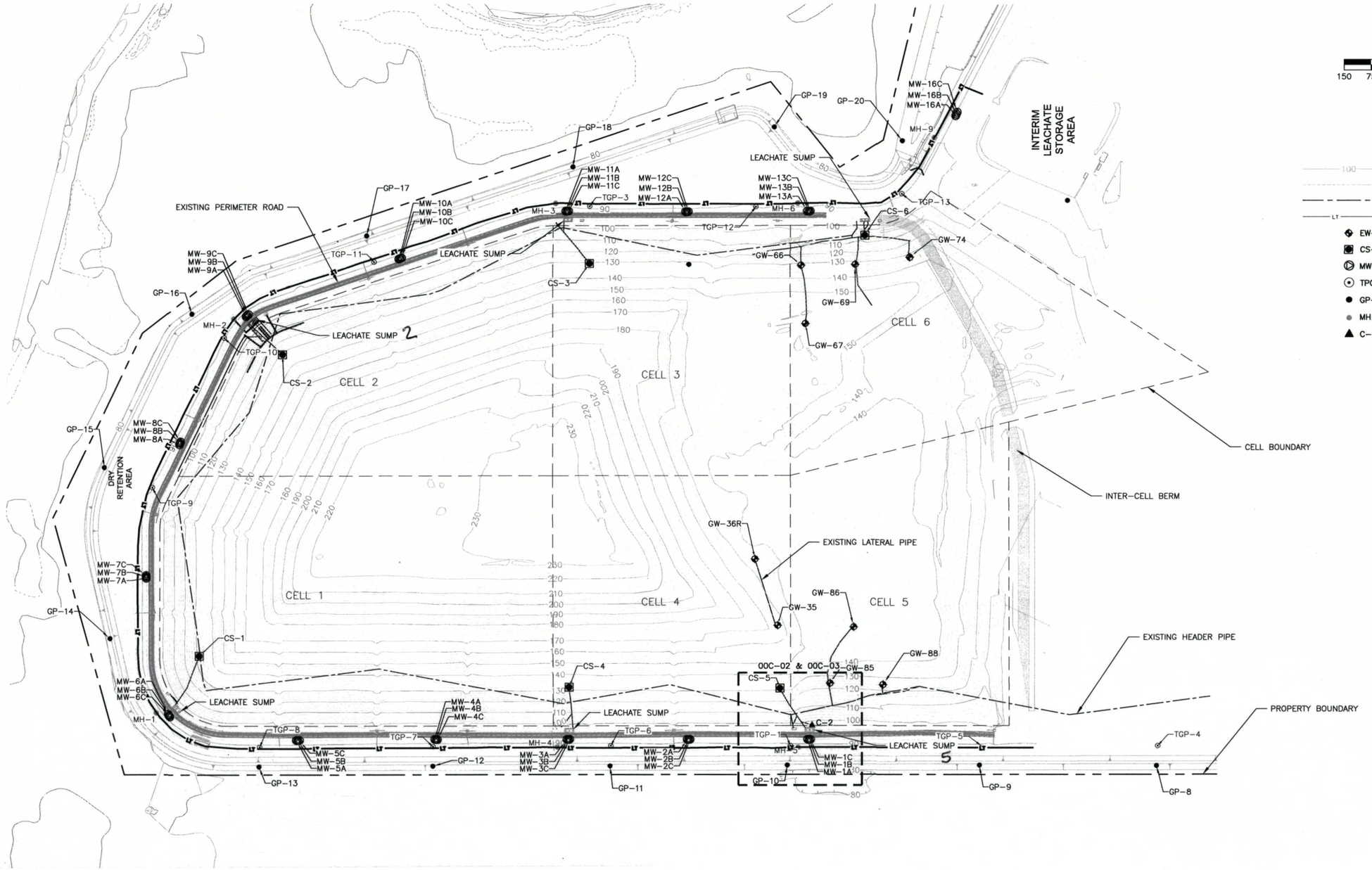
04/26/2011




| | | |
|---|---|---|
| HDR | HDR Engineering, Inc.<br>200 W Forsyth St<br>Jacksonville, FL 32202 | |

| ISSUE | DATE | DESCRIPTION |
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|---|---|
| PROJECT MANAGER | B. STONE, P.E. |
| DESIGN BY | C. KOENIG, P.E. |
| DESIGN BY | |
| CHECKED BY | C. LEBRON, P.E. |
| DRAWN BY | C. BREWER |
| PROJECT NUMBER | 174075 |

WSI Waste Services, Inc.

Waste Services, Inc
2893 Executive Park Drive, Suite 305
Weston, FL 33331
(954) 888-4302

J.E.D. Solid Waste Management Facility
Omni Waste of Osceola County, LLC

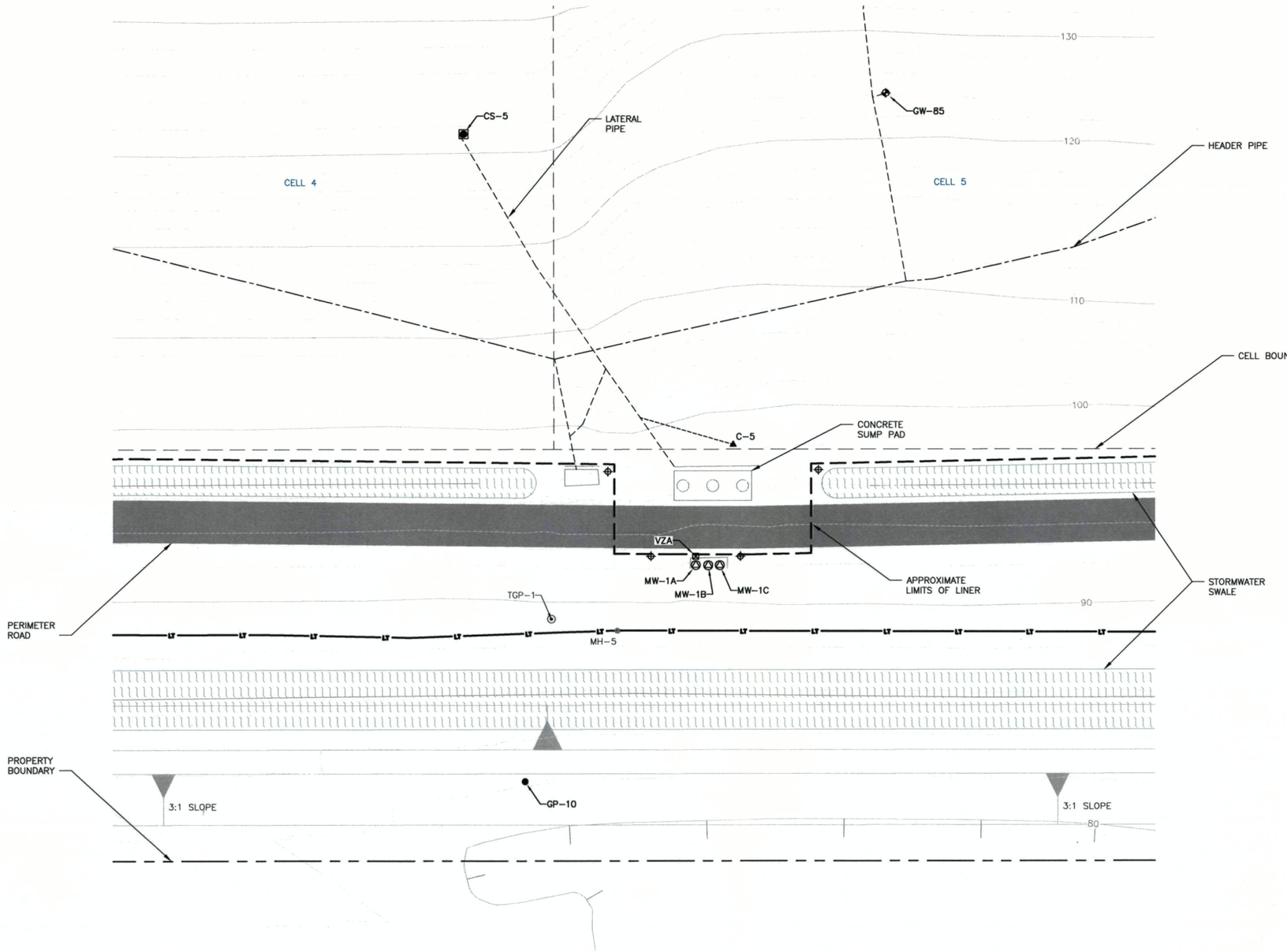
1501 Omni Way St. Cloud, FL. 34773
(407) 891-3720

**SITE PLAN**

0 1" 2"

| | |
|---|---|
| FILENAME | 00C-01.dwg |
| SCALE | AS SHOWN |

SHEET **00C-01**

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SCALE IN FEET

20 10 0 20 40

## LEGEND

| | |
|---|---|
| 100 | EXISTING CONTOURS (MAJOR) |
| | EXISTING CONTOURS (MINOR) |
| | EXISTING HEADER PIPE |
| LT | EXISTING LEACHATE FORCEMAIN |
| GW-85 | EXISTING GAS WELL |
| CS-5 | EXISTING CONDENSATE SUMP |
| MW-1A | EXISTING MONITORING WELLS |
| TPG-4 | TEMPORARY GAS PROBE |
| GP-10 | GAS PROBE |
| MH-1 | MANHOLE |
| C-2 | LEACHATE SSFE WELL LOCATION (STRUCTURAL SOIL FILL EXTRACTION) |
| VZA | VADOSE ZONE AERATION WELL |
| | SOIL VAPOR EXTRACTION WELL |

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# VERTICAL SOIL VAPOR EXTRACTION

0 1" 2"

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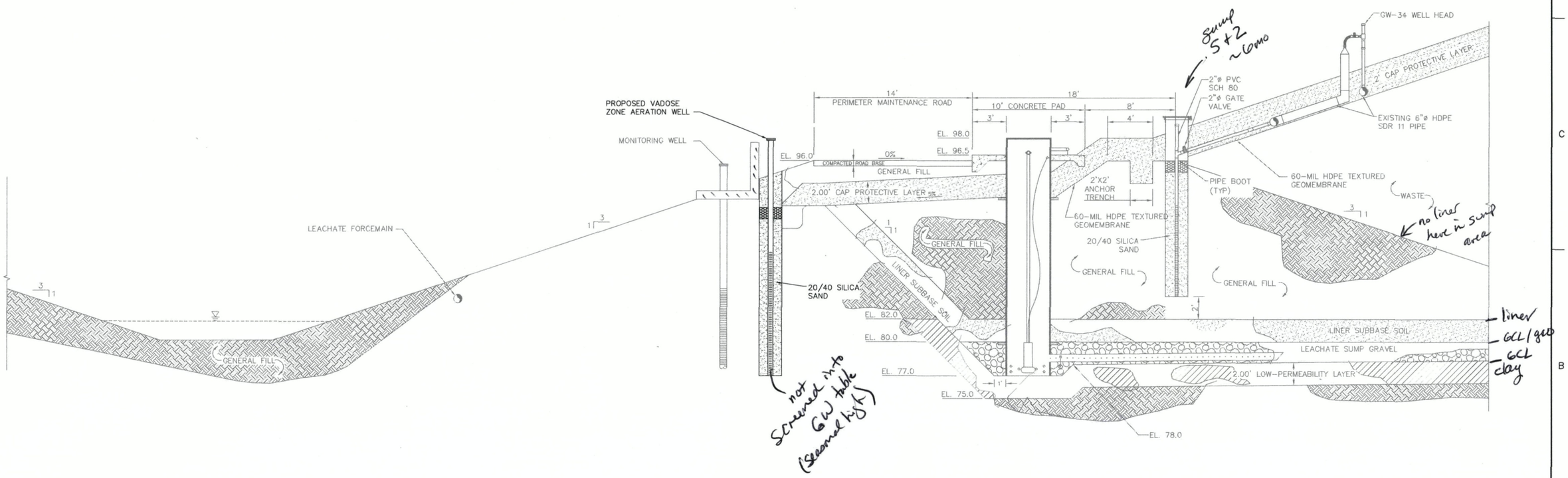
|---|---|
| FILENAME | 00C-02.dwg |
| SCALE | AS SHOWN |

SHEET 00C-02

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| DESIGN BY | |
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# PROPOSED VERTICAL SOIL VAPOR EXTRACTION

0 1" 2"

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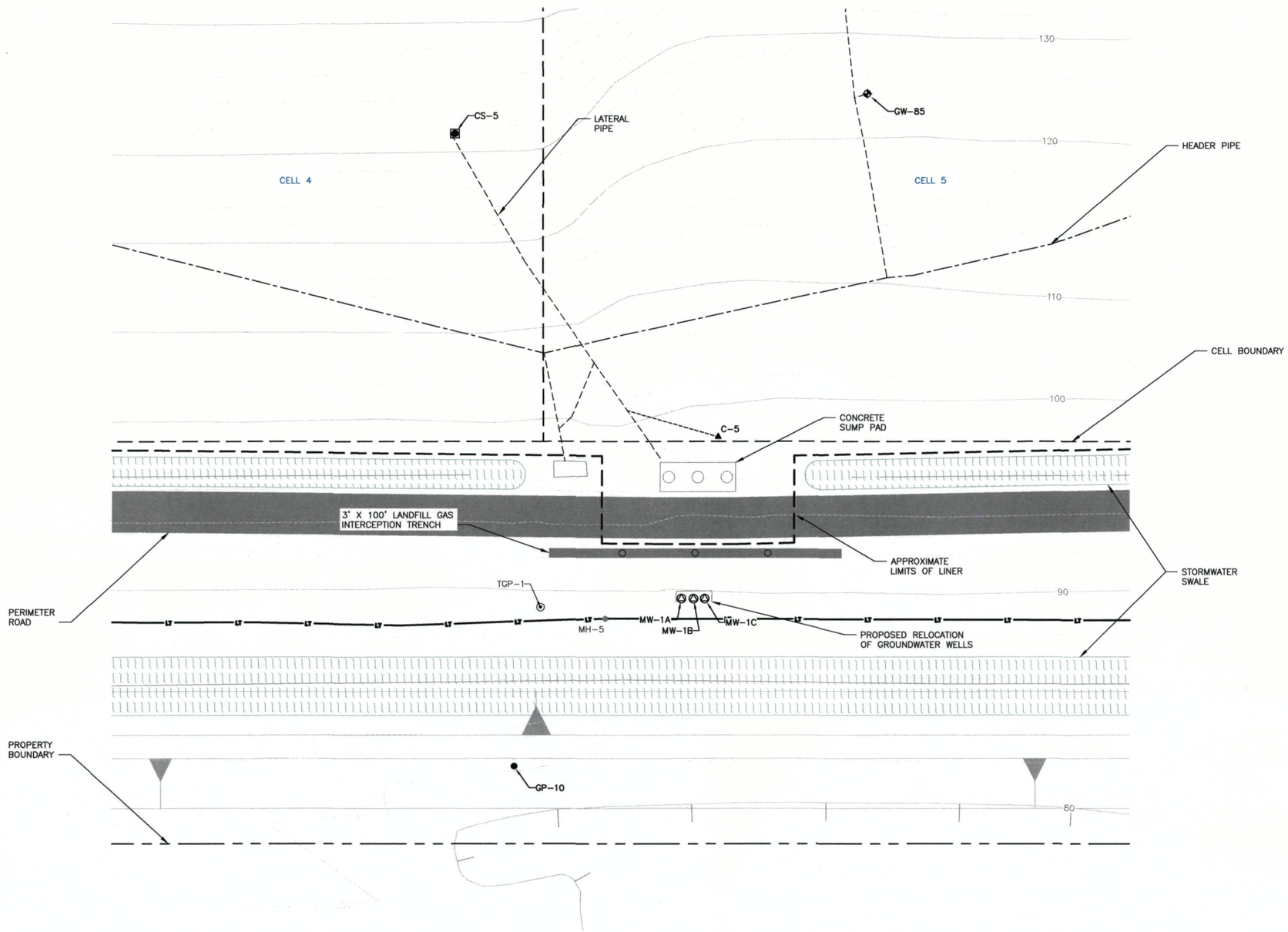
|---|---|
| FILENAME | 00C-04.dwg |
| SCALE | AS SHOWN |

SHEET 00C-04

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SCALE IN FEET

20 10 0 20 40

## LEGEND

| | |
|---|---|
| 100 | EXISTING CONTOURS (MAJOR) |
| | EXISTING CONTOURS (MINOR) |
| | EXISTING HEADER PIPE |
| LT | EXISTING LEACHATE FORCEMAIN |
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| TPG-4 | TEMPORARY GAS PROBE |
| GP-10 | GAS PROBE |
| MH-1 | MANHOLE |
| C-2 | LEACHATE SSFE WELL LOCATION (STRUCTURAL SOIL FILL EXTRACTION) |
| | PASSIVE VENT |

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# LANDFILL GAS INTERCEPTION TRENCH

0 1" 2"

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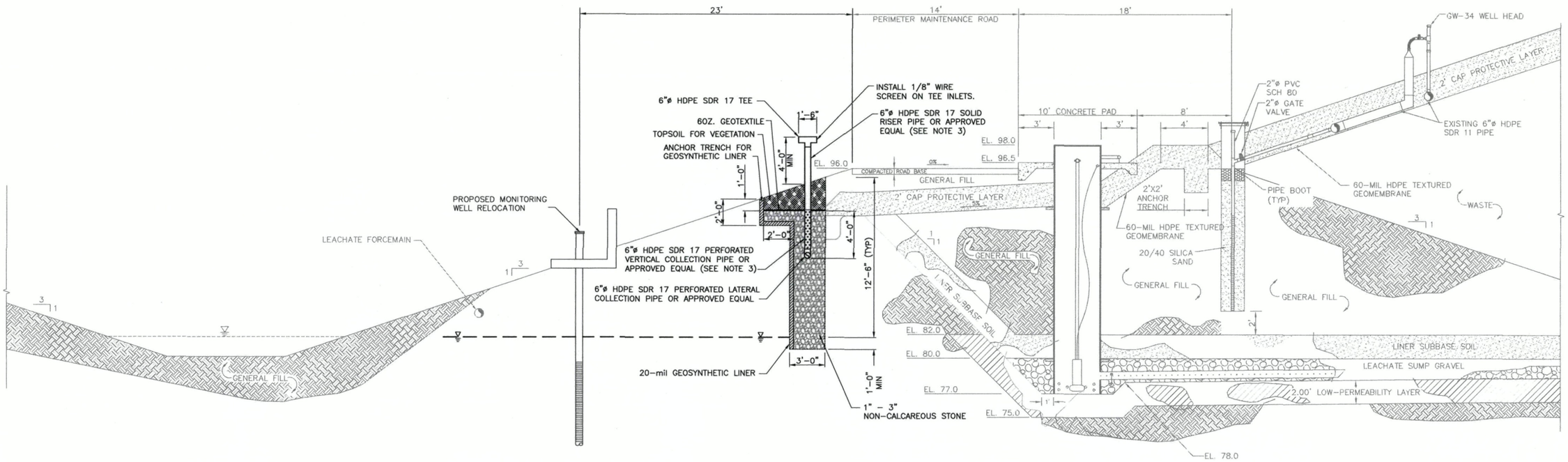
|---|---|
| FILENAME | 00C-03.dwg |
| SCALE | AS SHOWN |

SHEET 00C-03




NOTES:

1. CONTRACTOR SHALL NOTIFY CQA OFFICER OF INSTALLATION OF EACH COMPONENT OF THE LANDFILL GAS INTERCEPTION TRENCH AT LEAST 24 HOURS PRIOR TO EACH ACTIVITY.
2. GEOSYNTHETIC LINER SHALL BE OVERLAPPED AT LEAST 2 FEET. NO FUSION IS REQUIRED AT THE OVERLAP LOCATIONS.
3. ADS N-12 DRAINAGE PIPE MAY BE SUBSTITUTED AS APPROVED BY ENGINEER.

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# PROPOSED LANDFILL GAS INTERCEPTION TRENCH

0 1" 2"

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|---|---|
| FILENAME | 00C-05.dwg |
| SCALE | AS SHOWN |

SHEET 00C-05