

Request for Bids for the Franklin County Sanitary Landfill 2025 Gas Collection and Control System Construction Project

Posted April 23, 2025

This Addendum No. 3 shall be considered part of the RFB for the Franklin County Sanitary Landfill 2025 Gas Collection and Control System Construction Project and is intended to correct, change, and/or add to the documents as described below. Please make sure to complete the Addenda Acknowledgement form included in the *Required Documents*.

Listed below are additional questions received with answers from SWACO:

Question #4: *We are requesting an updated plan-holder list.*

Answer: The plan holder list is attached to this Addendum No. 3.

Question #5: *After takeoff, most all pipe sizes vary from the bid form quantities, with the bid form quantities being over estimated. Is there a reason for this? Approx lengths discrepancies: 24" Header is 400LF, 2" Airline is 950LF, 4" FM line is 970 LF*

Answer: Quantities for bid items 102, 103, and 105 have been revised. The updated bid form is attached to this Addendum No. 3.

Question #6: *Confirm that no waste will be allowed as backfill?*

Answer: There will be minimal waste encountered.

Question #7: *Confirm suitable backfill soil is available onsite at no cost to the contractor?*

Answer: Confirmed. There will be multiple locations where suitable backfill can be accessed.

Question #8: *Does the site have a survey vendor they have used in the past?*

Answer: SWACO does not recommend any third-party companies.

Question #9: *Will the contractor need to import sand bedding materials or can we use onsite borrow soil?*

Answer: On site soils can be used at bedding.

Question #10: *For as-built surveying, will it be acceptable to install survey risers along the pipelines every 50 feet so the surveyor can get the points after the pipeline trenches have been backfilled?*

Answer: Yes, provided that the risers will have depth of pipe (header, A&FM) correctly recorded for the surveyor. If riser pipes are not vertical at the time of survey, Successful Bidder will be required to expose the pipe for a top of pipe survey. The site will need the info to prepare as-built profile of the header. Risers to be placed, at most, fifty (50) feet apart. Closer is fine.

Question #11: *Will there need to be third party geotechnical testing for the stone and/or backfill soil or will these reports be acceptable directly from the quarry.*

Answer: Quarry reports would be acceptable, if needed.

Question #12: *What are the total engineers cost estimate for this project?*

Answer: SWACO does not provide engineer cost estimates.

Question #13: *Will the condensate sumps or header be installed within the water table?*

Answer: No.

Question #14: *Are there any permits, beyond those stated, that the contractor must secure independently, and who bears the cost for these permits?*

Answer: No.

Question #15: *Will the contractor need to weigh/pay for excavated waste before disposal?*

Answer: No.

Question #16: *Can the site provide a seeding vendor they have used in the past?*

Answer: SWACO does not recommend any third-party companies.

Question #17: *Will any Silt Fencing be needed for this project? If so what is the length and type*

Answer: No.

Question #18: *Will contractor be responsible to submit a Soil Erosion, Sedimentation and Stormwater Pollution Control Plan?*

Answer: No.

Question #19: *Will any topsoil need to be imported for the seeding or base layer or can the contractor use soil from the borrow pit? Will any soil testing be needed?*

Answer: No, Successful Bidder can reuse the topsoil removed during excavation. Additionally, SWACO has topsoil stock piles if needed.

Question #20: *Can the contractor backfill the out of waste header with excavated material?*

Answer: Yes.

Question #21: *Can the concrete dropout boxes be dragged or do they need to be lifted out and moved over? Or how is this effort anticipated to be completed?*

Answer: The concrete boxes will need to be lifted out and moved over.

Question #22: *Does a Crane need to be used for the concrete box moving?*

Answer: The method for moving the concrete boxes is up to the Successful Bidder. The weight was provided in Addendum 1. Successful Bidder will need to ensure the boxes are not damaged during construction.

Question #23: Will all the final cover work be above cap or will the contractor need to cut into the liner?

Answer: All work is above liner.

Question #24: What geotechnical testing will be needed for the final cap area work?

Answer: None.

Question #25: Are the road crossings just a gravel/dirt road or is it pavement/Asphalt? Will any pavement/asphalt repairs be needed?

Answer: One road crossing will need to be completed as part of the Project. The road is gravel/dirt. No asphalt road crossing.

Question #26: What is the anticipated acreage for the site restoration re-seeding effort?

Answer: One half (0.5) acre.

Question #27: Are any bollards needed for the off-waste header/sumps and if so what would be the detail for that?

Answer: No.

Question #28: Will contractor be responsible for any NPDES monitoring or reporting?

Answer: No.

Question #29: Confirm that hydroseeding will be acceptable as revegetation?

Answer: Yes.

Question #30: If the contractor disturbs areas that were not previously grassed, do we need to seed those areas as well or just return them to pre-construction existing conditions?

Answer: Returning to existing conditions is acceptable.

Question #30: There are (2) tie-ins for the 2" Air and 3" FM, one at ST 25+25 and one at the end for the EW-102 tie in. Items 109 and 110, only show a qty of 1 each. Please clarify where the 2 tie ins are captured.

Answer: Revised bid items 109 and 110 to show quantity 2, each, included with this addendum.

Question #31: What is the spec on the concrete ballast, that is referred to as backfill for the bottom 5.5 feet of the sump? Is this just pouring flowable fill at the base of the sump?

Answer: Flowable concrete fill is acceptable.

Question #32: Does the gravel bedding under the sumps need to be non-calcareous?

Answer: No.

Question #33: *The drawings show 3 anti-seep collar locations and the bid form is showing only 2, please advise.*

Answer: Only one (1) anti-seep collar needed for the Project. Bid Tab item 121 and drawings are revised and attached.

Question #34: *In the spec section 01611-2 it states that all thermo pipe needs covered...is this applicable for this bid?*

Answer: If piping will be stored outdoors for a prolonged period of time, it should be covered to protect from rain and UV radiation as described in section 01611-1.4.

Question #35: *Will there be a bid for excel spreadsheet distributed for this bid?*

Answer: The Excel spreadsheet is available as a separate download.

Question #36: *Will this project consist of any other “test procedures” other than pipe testing?*

Answer: Pipe testing as specified in Technical Specifications Section 01669 is required. Condensate sumps are to be tested at four (4) psi for fifteen (15) minutes.

Question #37: *As for the road crossing detail, it looks that there is a ditch crossing instead of a road crossing? What would be the top width of the said road? Also, what materials are called out as base and subbase?*

Answer: There is no road at station 35+00. There is an existing let down with riprap and culvert box with pipes. The culvert box with pipes is close to the road and will not be in the way of the header trench. However the trench excavation will go through the existing riprap, which will need to be reestablished after header installation. Plans and bid tab are updated to reflect the changes.

Question #38: *Please confirm what bedding material is to be utilized and will these materials be available on-site?*

Answer: Clean soil bedding can be used and is available on site.

Question #39: *The bid sheet and drawings call out 2 drop boxes but there appears to be another box located around 8+00. Is it the intention to install the header on the slope above the box and concrete waterway?*

Answer: There is not a concrete box or concrete waterway present at station 8+00. The existing culvert at station 8+00 will not interfere with the header installation.

Question #40: *Do you anticipate any work needed to be done in the concrete waterway?*

Answer: Waterways will be crossed at two (2) concrete box locations at station 14+50 and 17+00. Waterways are to be restored to original conditions or better.

Question #41: *Can an approximate weight of the concrete structures be provided?*

Answer: Station 14+50 box weight is thirty thousand (30,000) lbs. Station 17+10 weight is twenty-four thousand (24,000) lbs.

Question #42: Do the existing concrete boxes have any kind of lifting hooks available?

Answer: No.

Question #43: There appears to be an existing tee with flanges already located at the tie-in location near 25+35. Do we need to reconfigure the tee with an access riser, or can an access riser be added to either end of the existing tee?

Answer: Bidder will need to reconfigure existing tee with flanges to match detail 3/DS3 in the plans.

Question #44: How far into the roadway can the concrete drop box located around 17+00 be moved. Due to the space constraints, it appears that additional elbows will be needed to complete the header.

Answer: Concrete drop box located close to station 17+00 can be moved up to five (5) feet closer to the road. Site preference is avoid installing elbows if possible.

Question #45: Will the contractor be able to provide a project start date for the notice to proceed to allow enough time for material order and fabrication of structures?

Answer: It is required that Bidders provide a proposed start and completion date on the bid form. Project must be completed no later than October 15, 2025 and the duration is not to exceed (12) weeks.

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Attachments: Plan holder list as of 4/15/25  
Revised construction plans  
Revised Bid Form for submission  
Revised bid spreadsheet available as separate download

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**The timeframe for questions relating to this RFB is now CLOSED.**

**Bids are due no later than 1:30 p.m., April 25, 2025**

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++ This completes Addendum No. 3 ++

Plan holder list as of 4/15/25:

| Company Name                                | Contact Name              | Email Address                        |
|---------------------------------------------|---------------------------|--------------------------------------|
| Allied Construction Industries              | Dan Wright                | dwright@aci-construction.org         |
| American Environmental Group                | Christopher Heffner       | christopher.heffner@tetrattech.com   |
| Anko Construction LLC                       | wade lucey                | luceywade@gmail.com                  |
| Aptim                                       | Greg Cooper               | gregory.cooper@aptim.com             |
| Aptim Environmental and Infrastructure, LLC | Wesley Naul               | wesley.naul@aptim.com                |
| Atlantic Lining Company                     | Caroline Ferry            | carolinef@alcoincusa.com             |
| BEL Environmental Engineering, LLC          | DANIEL DEBORDE            | ddeborde@bel-eng.com                 |
| BIDNET                                      | BID NET                   | GBS@BIDNET.COM                       |
| Blackridge Research & consulting            | Venkatesh Siva            | venkatesh@blackridgeresearch.com     |
| Builders Exchange                           | Lori Romano               | lromano@bxohio.com                   |
| Continuum Environmental Services            | Nik Baldis                | nbaldis@continuumenv.com             |
| Continuum Environmental Services, Ltd.      | Michael Rogozinski        | mrogozinski@continuumenv.com         |
| Core and Main                               | Robin Battleson           | robin.battleson@coreandmain.com      |
| Dodge Data & Analytics                      | Adam Bouman               | dodge.bidding@construction.com       |
| Dodge Data & Analytics                      | jayalakshmil jayalakshmil | jayalakshmil@construction.com        |
| Enverus                                     | Mehul Rajput              | mehul.rajput@enverus.com             |
| Enviro Construction Company LLC             | Mark A Cox                | envirocon64@gmail.com                |
| Greenbright Environmental LLC               | Derek Gribble             | dgribble@greenbrightenv.com          |
| IngenAE                                     | David R Miller            | dmiller@ingenae.com                  |
| Integrity Environmental Solutions           | Peggy Churchill           | pchurchill@integrityenvsol.com       |
| jhgjhg                                      | jhgfsd                    | fkasjh@gmail.com                     |
| Landfill Drilling & Piping, Inc.            | Rob Karsten               | rkarsten@landfilldps.com             |
| LEE SUPPLY                                  | DIANNE E JOSEPH           | djoseph@leesupply.com                |
| Miller Pipeline                             | Mark S. Chepke            | mark.chepke@millerpipeline.com       |
| North America Procurement Council Inc., PBC | Eric Johnson              | sourcemanagement@napc.me             |
| Primevendor                                 | Kim Jones                 | primevendor123@gmail.com             |
| R&L Development Company                     | Dillon Main               | dmain@rldevco.com                    |
| R.B. Jergens Contractors                    | Randy Hubley              | randy.hubley@rbjergens.com           |
| RECIO SUPPLY                                | antoinette recio          | INFO@RECIOSUPPLY.COM                 |
| Ryan Incorporated Central                   | Corrie Hollingsworth      | corrie.hollingsworth@ryancentral.com |
| Ryan Incorporated Central                   | Ladd Worple               | ladd.worple@ryancentral.com          |
| scs field services                          | stephen smith             | sesmith@scsengineers.com             |
| T&M Associates                              | Wesley Myron Rhiel        | wrhiel@tandmassociats.com            |
| Terracon Consultants                        | Baba Yahaya               | baba.yahaya2@terracon.com            |
| The Builders Exchange                       | Regina McAfee             | rmcafee@bxohio.com                   |
| The Ruhlin Company                          | Grant Elffers             | gelffers@ruhlin.com                  |
| The Ruhlin Company                          | Jessica Reed              | jreed@ruhlin.com                     |
| THWilson Bonds                              | Sheila a smith            | thwbonds@outlook.com                 |
| Weaver Consultants Group                    | Tyler Monaco              | tmonaco@wcgrp.com                    |

# CONSTRUCTION PLANS FOR THE 2025 GAS COLLECTION AND CONTROL SYSTEM FRANKLIN COUNTY SANITARY LANDFILL GROVE CITY, OHIO

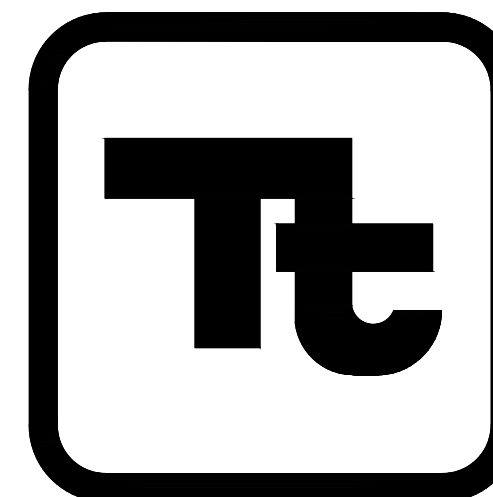
APRIL 2025  
**ADDENDUM 3**

PREPARED FOR:



4239 LONDON-GROVEPORT ROAD  
GROVE CITY, OHIO 43123

PREPARED BY:



## TETRA TECH

1250 E DIEHL ROAD  
SUITE 103  
NAPERVILLE, ILLINOIS 60563  
Tel: (630) 633-5519  
Fax (630) 791-9003

### INDEX OF DRAWINGS

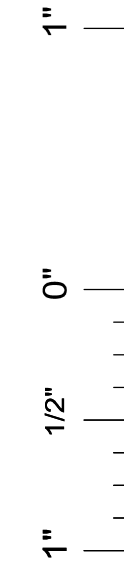
|     |                                        |
|-----|----------------------------------------|
| 1   | EXISTING CONDITIONS SITE PLAN          |
| 2   | PROPOSED CONSTRUCTION SITE PLAN        |
| 3A  | PROPOSED PERIMETER HEADER PLAN/PROFILE |
| 3B  | PROPOSED PERIMETER HEADER PLAN/PROFILE |
| 3C  | PROPOSED PERIMETER HEADER PLAN/PROFILE |
| DS1 | DETAILS                                |
| DS2 | DETAILS                                |
| DS3 | DETAILS                                |
| DS4 | DETAILS                                |
| DS5 | DETAILS                                |

**NOTE:**

THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE, AND UTILITY LINES MAY EXIST WHERE NONE ARE SHOWN. SOME INFORMATION MAY HAVE BEEN DERIVED FROM INFORMATION PROVIDED TO THE ENGINEER BY OTHERS. SUCH INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. CONTACT OHIO 811 AT 1-(800) 362-2764 OR CALL 811 (OR UTILIZE THEIR E-LOCATE SERVICE) AND ANY NON-PARTICIPATING UTILITY COMPANIES AT LEAST 48 HOURS BEFORE CONSTRUCTION. THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF PERTINENT UTILITIES, LANDFILL LINERS, AND OTHER EXISTING FEATURES IN OR NEAR THE AREA OF WORK, WHETHER INDICATED ON THESE DRAWINGS OR NOT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DISTURBING ANY UNDERGROUND UTILITIES. THE CONTRACTOR SHALL COORDINATE ANY POTENTIAL DISRUPTIONS IN UTILITY SERVICE WITH THE UTILITY COMPANIES AFFECTED AT LEAST 24 HOURS PRIOR TO THE DISRUPTION. THE CONTRACTOR SHALL REPAIR DAMAGE TO EXISTING UTILITIES AT THE CONTRACTOR'S EXPENSE.

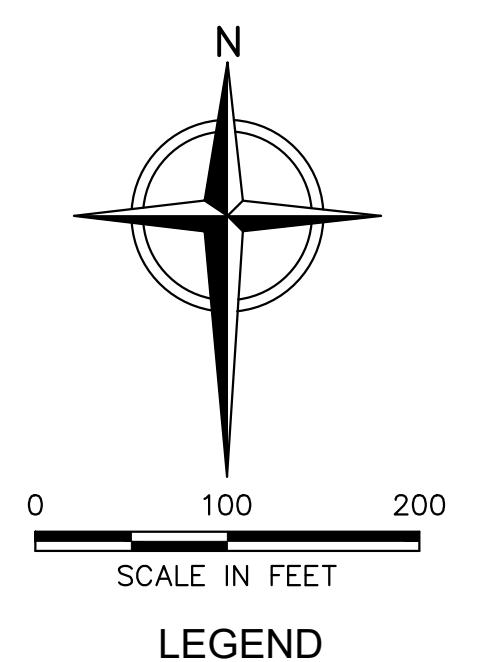
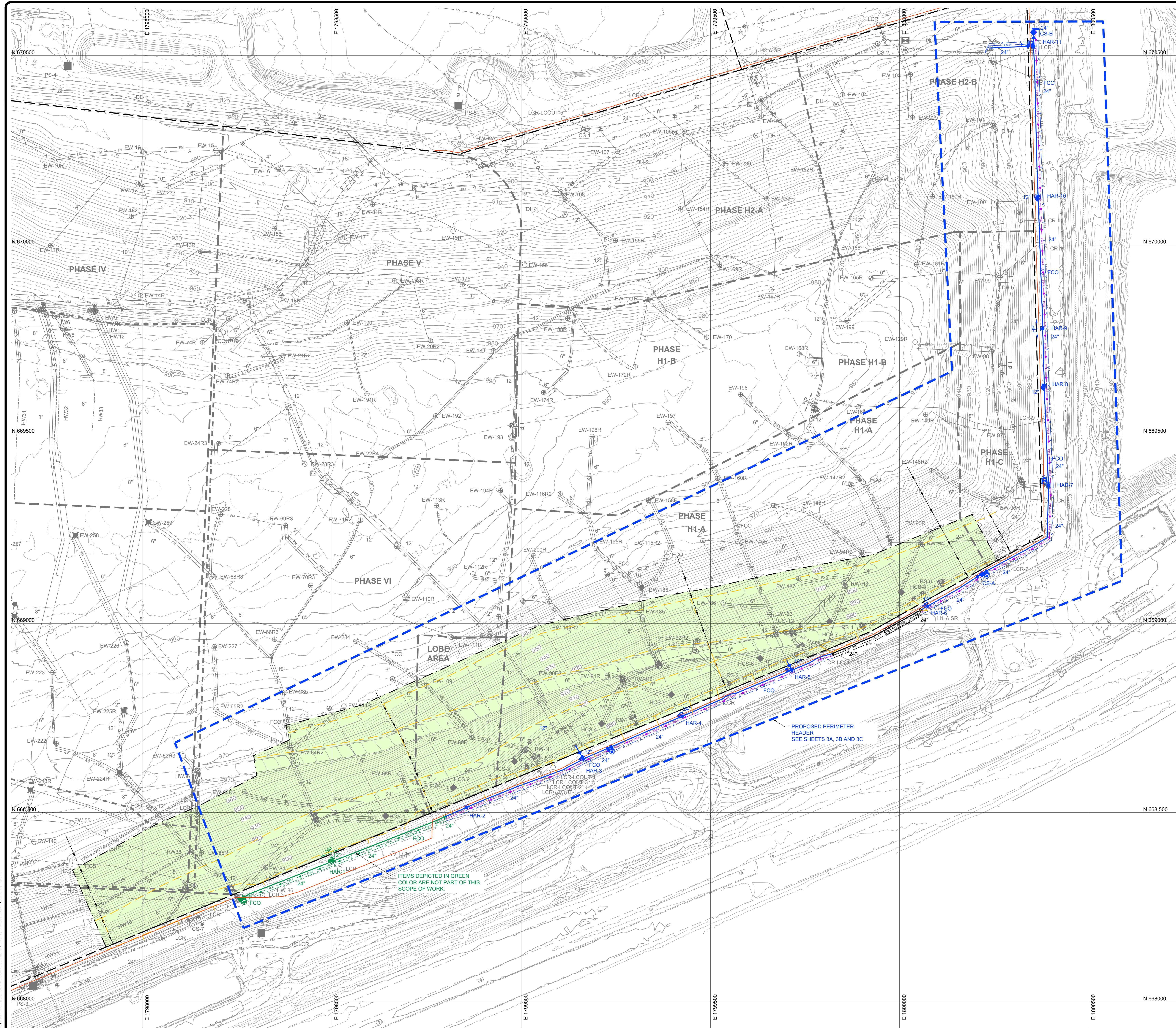
**ISSUED FOR BID**

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- LEGEND**
- PERMITTED SOLID WASTE BOUNDARY
  - PHASE BOUNDARY
  - SEPARATORY LINER
  - EXISTING 10' CONTOUR
  - EXISTING 2' CONTOUR
  - EXISTING LFG HEADER - BELOW GROUND
  - EXISTING LFG HEADER - ABOVE GROUND
  - EXISTING HORIZONTAL COLLECTOR
  - EXISTING HDPE AIR LINE
  - EXISTING HDPE FORCEMAIN
  - ⊕ EW-100 EXISTING LFG EXTRACTION WELL
  - ⊕ RW-85 EXISTING REMOTE WELLHEAD
  - ⊕ EW-258 EXISTING LFG EXTRACTION WELL (SEP LINER)
  - ⊕ EW-240 EXISTING LFG EXTRACTION WELL (CAISSON)
  - ⊕ EXISTING ROCK PAD
  - ⊕ EXISTING HEADER ACCESS RISER
  - ⊕ EXISTING ISOLATION VALVE
  - ⊕ EXISTING BLIND FLANGE
  - ⊕ EXISTING FLANGE CONNECTION
  - ⊕ EXISTING REDUCER FITTING
  - ⊕ EXISTING CONDENSATE DRIPLEG
  - ⊕ EXISTING ROAD CROSSING
  - ⊕ EXISTING HEADER HIGH POINT
  - ⊕ EXISTING LEACHATE CLEANOUT RISER
  - ⊕ PS-6 EXISTING LEACHATE PUMP STATION
  - ⊕ CS EXISTING CONDENSATION PUMP STATION
  - ⊕ EXISTING FORCEMAIN VALVE
  - ⊕ EXISTING AIRLINE VALVE
  - ⊕ EXISTING HORIZONTAL COLLECTOR SUMP
  - ⊕ EXISTING FORCEMAIN CLEANOUT
  - ⊕ EXISTING WELL BORE SEAL
  - ⊕ EXISTING FINAL CLOSURE CERTIFICATION LIMITS
  - EXISTING ANCHOR TRENCH LINER BOUNDARY
  - EXISTING FINAL COVER TOE DRAINS
  - PROPOSED LFG HEADER/LATERAL
  - PROPOSED 2" AIR LINE
  - PROPOSED 3" FORCEMAIN
  - PROPOSED 4" FORCEMAIN
  - ⊕ CS-1 PROPOSED HORIZONTAL COLLECTOR SUMP
  - ⊕ CS-2 PROPOSED HEADER ACCESS RISER
  - ⊕ EXISTING BLIND FLANGE
  - ⊕ PROPOSED FLANGE CONNECTION
  - ⊕ PROPOSED ANTI-SEEP COLLAR
  - ⊕ PROPOSED HEADER ISOLATION VALVE
  - ⊕ PROPOSED FORCEMAIN ISOLATION VALVE
  - ⊕ PROPOSED AIRLINE ISOLATION VALVE
  - ⊕ PROPOSED FORCEMAIN CLEANOUT RISERS
  - ⊕ PROPOSED HIGH POINT

- NOTES:**
1. EXISTING CONTOURS BASED ON AERIAL SURVEY DATED 12/17/2024 PROVIDED BY SWACO.
  2. 2024 GCS AS-BUILT COMPONENTS TAKEN FROM FILE PROVIDED BY SWACO TITLED "AS-BUILT TOP GAS PIPING 11-8-24" RECEIVED ON 11/8/2024.
  3. LOCATION OF PROPOSED LANDFILL GAS COLLECTION AND CONTROL SYSTEM COMPONENTS IS APPROXIMATE AND MAY VARY TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. ALL HORIZONTAL AND VERTICAL DATUM TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
  4. ALL LFG HEADER AND LATERAL PIPELINES TO BE SDR-17 HDPE WITH SDR-11 HDPE FITTINGS.
  5. ALL AIR LINES AND FITTINGS TO BE SDR-9 HDPE.
  6. ALL FORCEMAIN AND FITTINGS TO BE SDR-11 HDPE. FORCEMAIN AND FITTINGS INSTALLED OUTSIDE THE LIMITS OF WASTE TO HAVE SDR-17 HDPE CONTAINMENT.
  7. NO TEE FITTINGS ARE TO BE USED ON ANY FORCEMAIN PIPING OR TIE-INS. MOLDED SWEEPING ELBOWS, MOLDED 45° ELBOWS, AND MOLDED WYES TO BE USED FOR ALL SINGLE PIPE FORCEMAIN. SHOP FABRICATED DUAL CONTAINED 45° ELBOWS AND SHOP FABRICATED DUAL CONTAINED WYES TO BE USED FOR ALL DUAL PIPE FORCEMAIN. NO 90° ELBOWS ARE TO BE USED IN THE DUAL PIPE FORCEMAIN UNLESS AUTHORIZED BY OWNER ON A CASE-BY-CASE BASIS.
  8. CONTRACTOR TO SURVEY AND STAKE PIPING ALIGNMENTS WITH GRADES AND OBTAIN APPROVAL FROM ENGINEER AND OWNER PRIOR TO PROCEEDING.
  9. THE CONTRACTOR SHALL LAY OUT THE PIPE TO CONFORM TO FIELD CONDITIONS. PROVIDE 48" MINIMUM COVER AND 5% MINIMUM SLOPE CROSSING BELOW PERIMETER AND MAIN HAUL ROADS. PROVIDE MINIMUM PIPE DRAINAGE SLOPES OF 3% WITHIN WASTE LIMIT AND 1% OUTSIDE OF WASTE LIMIT UNLESS OTHERWISE NOTED. CONTRACTOR RESPONSIBLE FOR CUT (12" MAX UNLESS OTHERWISE NOTED PER PLAN) AND FILL BENEATH PIPE TO ENSURE PROPER DRAINAGE, AS APPROVED BY THE OWNER/ENGINEER.
  10. FEATURES, CONTOURS, AND ELEVATIONS OF THESE BASE MAPS ARE APPROXIMATE INDICATIONS OF CURRENT AND FUTURE CONDITIONS. CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS OF THESE ELEMENTS PRIOR TO AND DURING CONSTRUCTION, AND SHALL FINALIZE THE GAS SYSTEM LOCATIONS TO ACCOMMODATE FINAL FIELD CONDITIONS, AS APPROVED BY THE OWNER/ENGINEER.
  11. ALL CONNECTIONS TO EXISTING PIPING SHALL BE CONFIRMED BY THE CONTRACTOR. SOME CONNECTIONS MAY REQUIRE EXCAVATION.
  12. ALL PIPING SHALL BE PRESSURE TESTED BY CONTRACTOR ACCORDING TO PRESSURE TESTING REQUIREMENTS PROVIDED BY THE ENGINEER.
  13. WORK SHALL NOT VARY FROM DESIGN WITHOUT APPROVAL OF THE OWNER/ENGINEER.
  14. CONTRACTOR TO REMOVE AND REUSE EXISTING PIPING AND FITTINGS WHERE APPLICABLE. CAP ALL ABANDONED PIPE. IF ABANDONED PIPE IS HDPE, USE FUSED ON HDPE CAP. IF ABANDONED PIPE IS PVC, USE PVC SCH 40 CAP SECURED WITH LAG SCREWS AT 90° AND SOLVENT WELD AS NECESSARY.
  15. ITEMS DEPICTED IN GREEN COLOR ARE NOT PART OF THIS SCOPE OF WORK.

**ISSUED FOR BID - ADDENDUM 3**

| REV      | DATE | DESCRIPTION | DWN BY | DES BY | CHK BY | APP BY |
|----------|------|-------------|--------|--------|--------|--------|
| 04/23/25 |      |             | JRD    | JPS    | JPS    | JPS    |



SOLID WASTE AUTHORITY OF CENTRAL OHIO  
FRANKLIN COUNTY SANITARY LANDFILL  
GROVE CITY, OHIO

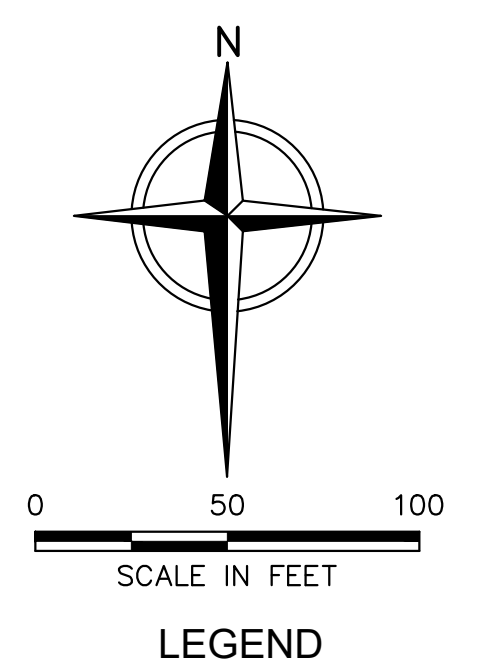
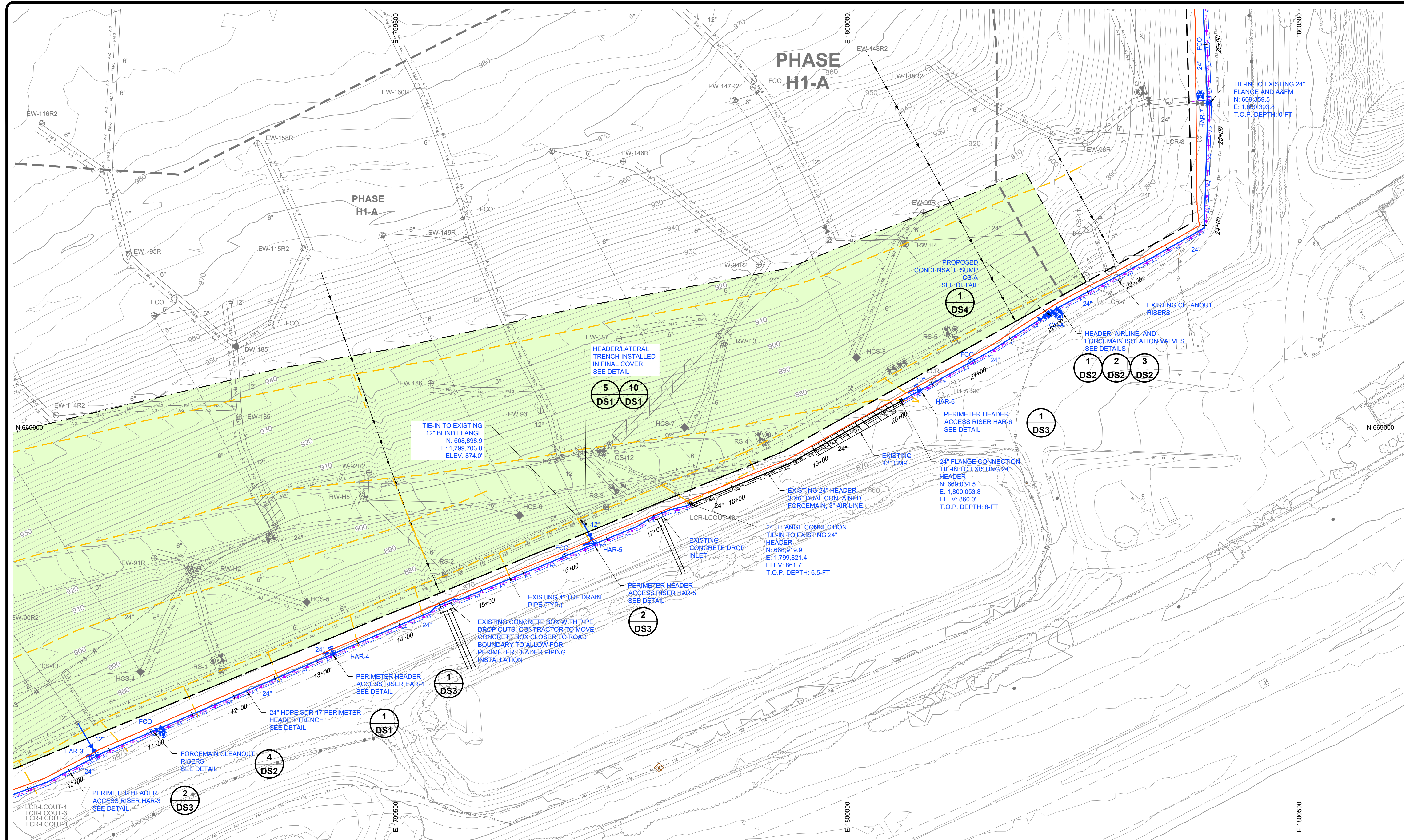
**2025 GCS CONSTRUCTION  
PROPOSED CONSTRUCTION SITE PLAN**

SHEET NO.  
**2**

PROJECT NO.  
206-4251380

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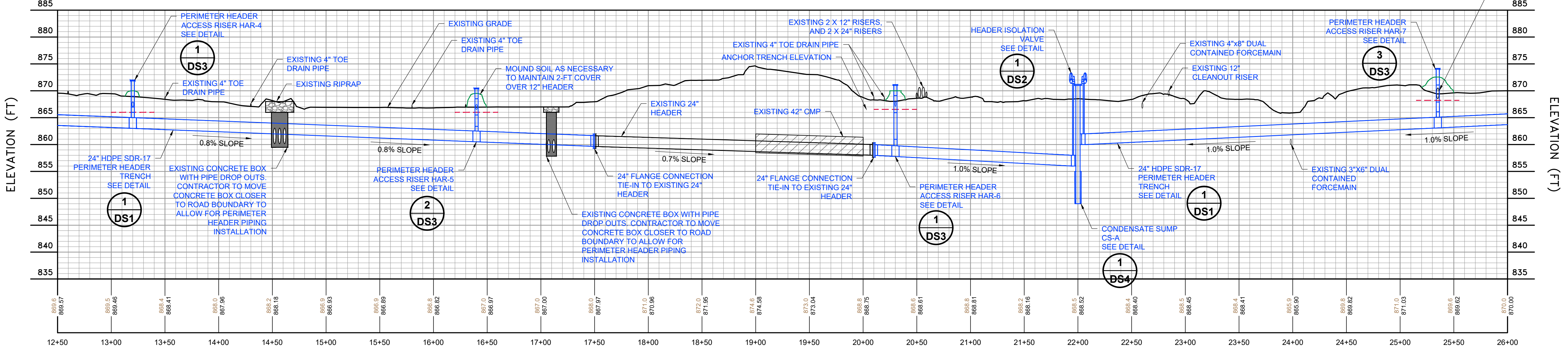




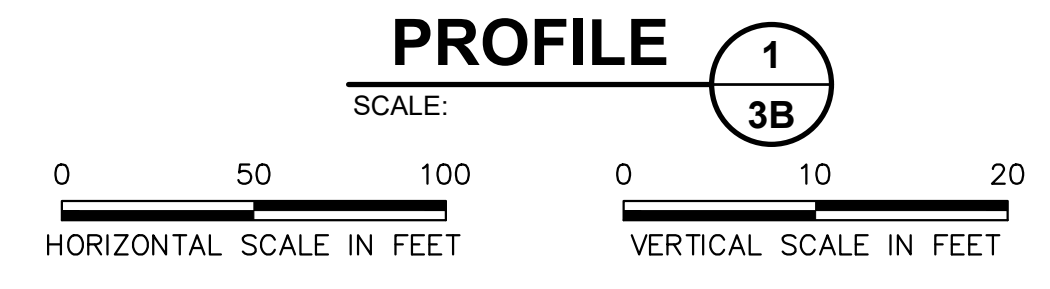
**LEGEND**

|        |                                             |
|--------|---------------------------------------------|
| ---    | PERMITTED SOLID WASTE BOUNDARY              |
| ---    | PHASE BOUNDARY                              |
| ---    | SEPARATORY LINER                            |
| ---    | EXISTING 10' CONTOUR                        |
| ---    | EXISTING 2' CONTOUR                         |
| ---    | EXISTING LFG HEADER - BELOW GROUND          |
| ---    | EXISTING LFG HEADER - ABOVE GROUND          |
| ---    | EXISTING HORIZONTAL COLLECTOR               |
| ---    | EXISTING HDPE AIR LINE                      |
| ---    | EXISTING HDPE FORCEMAIN                     |
| EW-100 | EXISTING LFG EXTRACTION WELL                |
| RW-85  | EXISTING REMOTE WELLHEAD                    |
| EW-258 | EXISTING LFG EXTRACTION WELL (SEP LINER)    |
| EW-240 | EXISTING LFG EXTRACTION WELL (CAISSON)      |
| ---    | EXISTING ROCK PAD                           |
| ---    | EXISTING HEADER ACCESS RISER                |
| ---    | EXISTING ISOLATION VALVE                    |
| ---    | EXISTING BLIND FLANGE                       |
| ---    | EXISTING FLANGE CONNECTION                  |
| ---    | EXISTING REDUCER FITTING                    |
| DL     | EXISTING CONDENSATE DRIPLEG                 |
| HP     | EXISTING ROAD CROSSING                      |
| ---    | EXISTING HEADER HIGH POINT                  |
| ---    | EXISTING LEACHATE CLEANOUT RISER            |
| PS-6   | EXISTING LEACHATE PUMP STATION              |
| CS     | EXISTING CONDENSATION PUMP STATION          |
| ---    | EXISTING FORCEMAIN VALVE                    |
| ---    | EXISTING AIRLINE VALVE                      |
| ---    | EXISTING HORIZONTAL COLLECTOR SUMP          |
| ---    | EXISTING FORCEMAIN CLEANOUT                 |
| ---    | EXISTING WELL BORE SEAL                     |
| ---    | EXISTING FINAL CLOSURE CERTIFICATION LIMITS |
| ---    | EXISTING ANCHOR TRENCH LINER BOUNDARY       |
| ---    | EXISTING FINAL COVER TOE DRAINS             |
| ---    | PROPOSED LFG HEADER/LATERAL                 |
| ---    | PROPOSED 2" AIR LINE                        |
| ---    | PROPOSED 3" FORCEMAIN                       |
| ---    | PROPOSED 4" FORCEMAIN                       |
| CS     | PROPOSED HORIZONTAL COLLECTOR SUMP          |
| ---    | PROPOSED HEADER ACCESS RISER                |
| ---    | PROPOSED BLIND FLANGE                       |
| ---    | PROPOSED FLANGE CONNECTION                  |
| ---    | PROPOSED ANTI-SEEP COLLAR                   |
| ---    | PROPOSED HEADER ISOLATION VALVE             |
| ---    | PROPOSED FORCEMAIN ISOLATION VALVE          |
| ---    | PROPOSED AIRLINE ISOLATION VALVE            |
| ---    | PROPOSED FORCEMAIN CLEANOUT RISERS          |
| HP     | PROPOSED HIGH POINT                         |

LONGITUDINAL PROFILE 24" PERIMETER HEADER (12+50-26+00)



PROFILE 1 3B



- NOTES:**
- EXISTING CONTOURS BASED ON AERIAL SURVEY DATED 12/17/2024 PROVIDED BY SWACO.
  - 2024 GCOS AS-BUILT COMPONENTS TAKEN FROM FILE PROVIDED BY SWACO TITLED "AS-BUILT TOP GAS PIPING 11-8-24" RECEIVED ON 11/8/2024.
  - LOCATION OF PROPOSED LANDFILL GAS COLLECTION AND CONTROL SYSTEM COMPONENTS IS APPROXIMATE AND MAY VARY TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. ALL HORIZONTAL AND VERTICAL DATUM TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
  - ALL LFG HEADER AND LATERAL PIPELINES TO BE SDR-17 HDPE WITH SDR-11 HDPE FITTINGS.
  - ALL AIR LINES AND FITTINGS TO BE SDR-9 HDPE.
  - ALL FORCEMAIN AND FITTINGS TO BE SDR-11 HDPE. FORCEMAIN AND FITTINGS INSTALLED OUTSIDE THE LIMITS OF WASTE TO HAVE SDR-17 HDPE CONTAINMENT.
  - NO TEE FITTINGS ARE TO BE USED ON ANY FORCEMAIN PIPING OR TIE-INS. MOLDED SWEEPING ELBOWS, MOLDED 45° ELBOWS, AND MOLDED WYES TO BE USED FOR ALL SINGLE PIPE FORCEMAIN. SHOP FABRICATED DUAL CONTAINED 45° ELBOWS AND SHOP FABRICATED DUAL CONTAINED WYES TO BE USED FOR ALL DUAL PIPE FORCEMAIN. NO 90° ELBOWS ARE TO BE USED IN THE DUAL PIPE FORCEMAIN UNLESS AUTHORIZED BY OWNER ON A CASE-BY-CASE BASIS.
  - CONTRACTOR TO SURVEY AND STAKE PIPING ALIGNMENTS WITH GRADES AND OBTAIN APPROVAL FROM ENGINEER AND OWNER PRIOR TO PROCEEDING.
  - THE CONTRACTOR SHALL LAY OUT THE PIPE TO CONFORM TO FIELD CONDITIONS. PROVIDE 48" MINIMUM COVER AND 5% MINIMUM SLOPE CROSSING BELOW PERIMETER AND MAIN HAUL ROADS. PROVIDE MINIMUM PIPE DRAINAGE SLOPES OF 3% WITHIN WASTE LIMIT AND 1% OUTSIDE OF WASTE LIMIT. UNLESS OTHERWISE NOTED, CONTRACTOR RESPONSIBLE FOR CUT (12" MAX. UNLESS OTHERWISE NOTED PER PLAN) AND FILL BENEATH PIPE TO ENSURE PROPER DRAINAGE, AS APPROVED BY THE OWNER/ENGINEER.
  - FEATURES, CONTOURS, AND ELEVATIONS OF THESE BASE MAPS ARE APPROXIMATE INDICATIONS OF CURRENT AND FUTURE CONDITIONS. CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS OF THESE ELEMENTS PRIOR TO AND DURING CONSTRUCTION, AND SHALL FINALIZE THE GAS SYSTEM LOCATIONS TO ACCOMMODATE FINAL FIELD CONDITIONS, AS APPROVED BY THE OWNER/ENGINEER.
  - ALL CONNECTIONS TO EXISTING PIPING SHALL BE CONFIRMED BY THE CONTRACTOR. SOME CONNECTIONS MAY REQUIRE EXCAVATION.
  - ALL PIPING SHALL BE PRESSURE TESTED BY CONTRACTOR ACCORDING TO PRESSURE TESTING REQUIREMENTS PROVIDED BY THE ENGINEER.
  - WORK SHALL NOT VARY FROM DESIGN WITHOUT APPROVAL OF THE OWNER/ENGINEER.
  - CONTRACTOR TO REMOVE AND REUSE EXISTING PIPING AND FITTINGS WHERE APPLICABLE. CAP ALL ABANDONED PIPE. IF ABANDONED PIPE IS HDPE, USE FUSED ON HDPE CAP. IF ABANDONED PIPE IS PVC, USE PVC SCH 40 CAP SECURED WITH LAG SCREWS AT 90° AND SOLVENT WELD AS NECESSARY.
  - ITEMS DEPICTED IN GREEN COLOR ARE NOT PART OF THIS SCOPE OF WORK.

ISSUED FOR BID - ADDENDUM 3

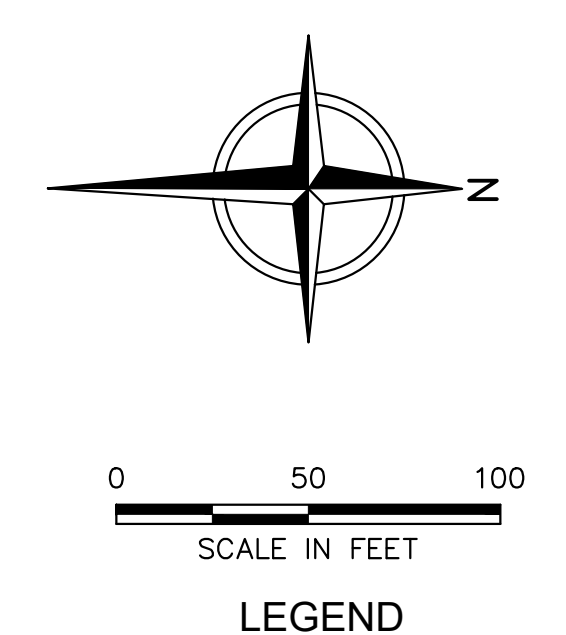
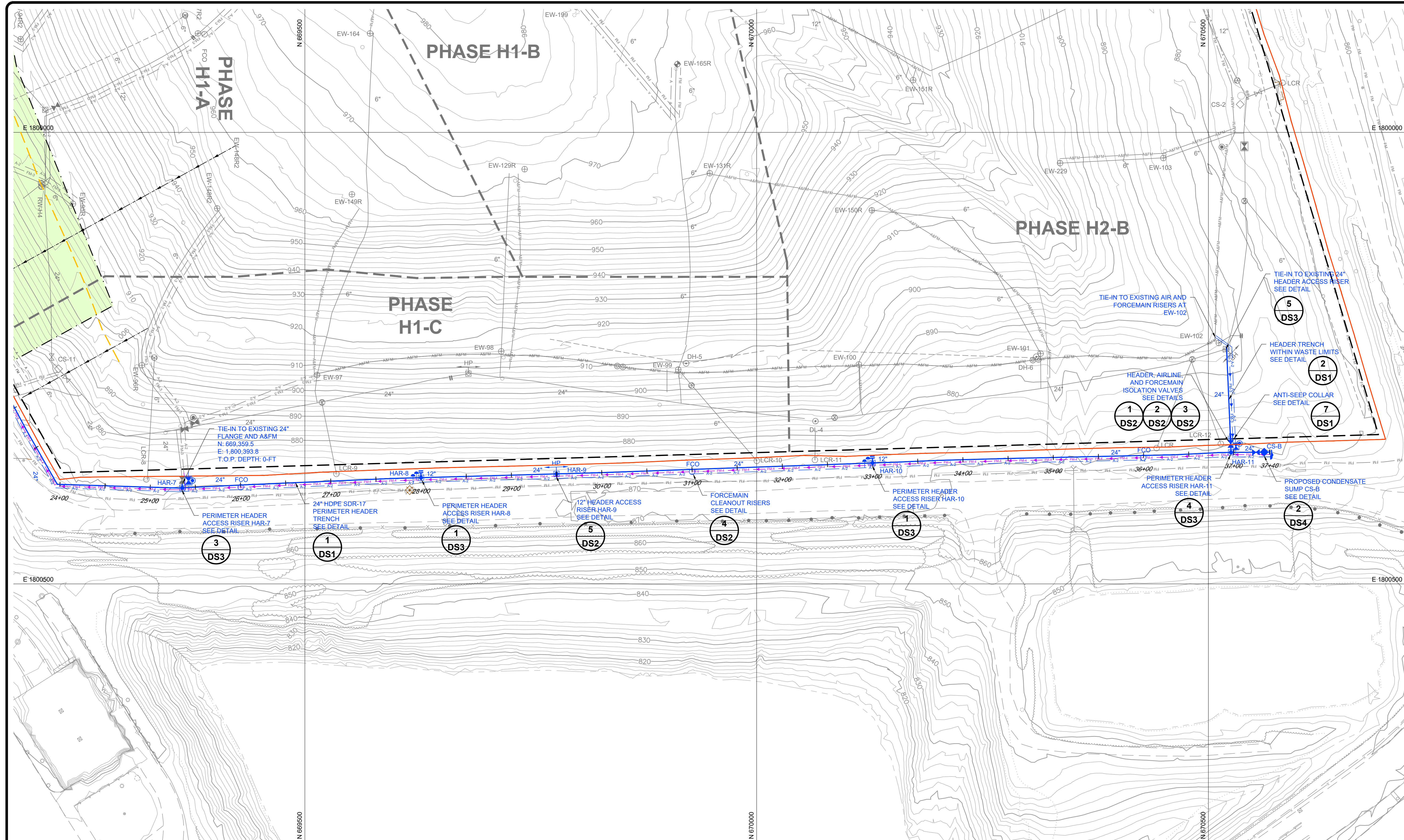
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| 04/23/25 |      |             | JRD    | JPS    | JPS    | JGJV   |



SOLID WASTE AUTHORITY OF CENTRAL OHIO  
FRANKLIN COUNTY SANITARY LANDFILL  
GROVE CITY, OHIO

2025 GCOS CONSTRUCTION  
PROPOSED PERIMETER HEADER PLAN/PROFILE

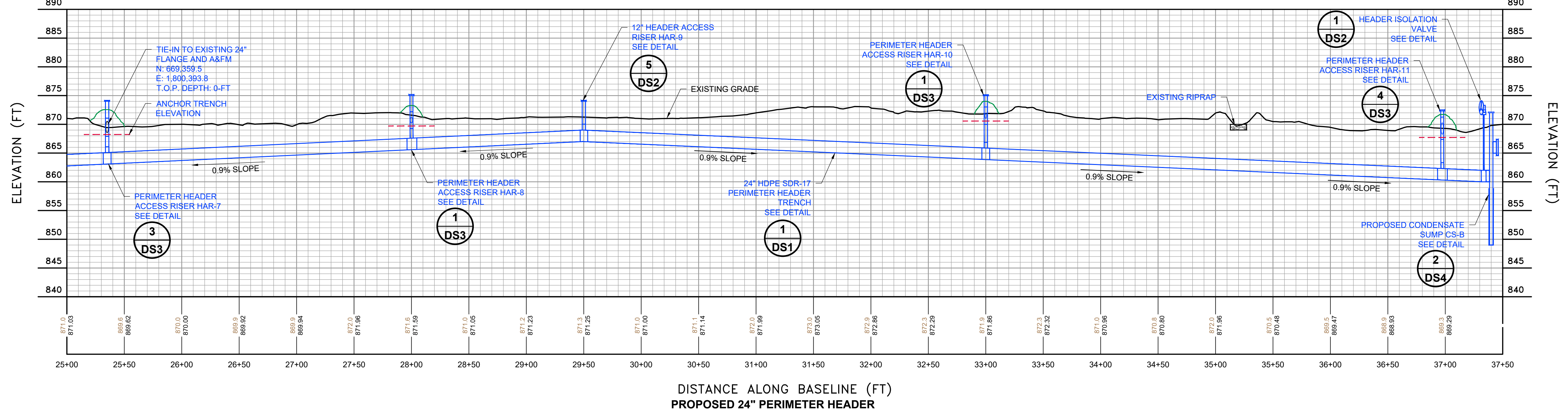
SHEET NO. **3B**  
PROJECT NO. 205-4251380



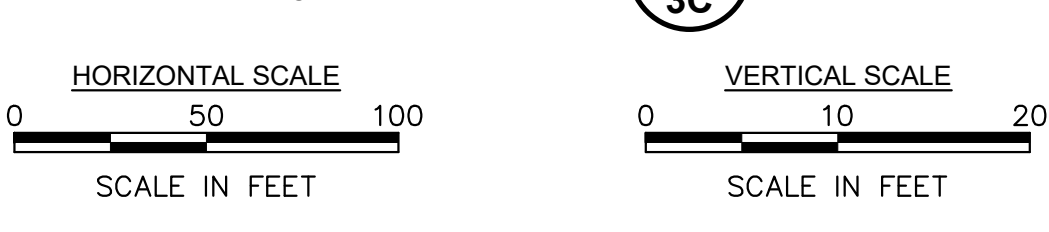
**LEGEND**

|  |                                             |
|--|---------------------------------------------|
|  | PERMITTED SOLID WASTE BOUNDARY              |
|  | PHASE BOUNDARY                              |
|  | SEPARATORY LINER                            |
|  | EXISTING 10' CONTOUR                        |
|  | EXISTING 2' CONTOUR                         |
|  | EXISTING LFG HEADER - BELOW GROUND          |
|  | EXISTING LFG HEADER - ABOVE GROUND          |
|  | EXISTING HORIZONTAL COLLECTOR               |
|  | EXISTING HDPE AIR LINE                      |
|  | EXISTING HDPE FORCEMAIN                     |
|  | EXISTING LFG EXTRACTION WELL                |
|  | EXISTING REMOTE WELLHEAD                    |
|  | EXISTING LFG EXTRACTION WELL (SEP LINER)    |
|  | EXISTING LFG EXTRACTION WELL (CAISSON)      |
|  | EXISTING ROCK PAD                           |
|  | EXISTING HEADER ACCESS RISER                |
|  | EXISTING ISOLATION VALVE                    |
|  | EXISTING BLIND FLANGE                       |
|  | EXISTING FLANGE CONNECTION                  |
|  | EXISTING REDUCER FITTING                    |
|  | EXISTING CONDENSATE DRIPLEG                 |
|  | EXISTING ROAD CROSSING                      |
|  | EXISTING HEADER HIGH POINT                  |
|  | EXISTING LEACHATE CLEANOUT RISER            |
|  | EXISTING LEACHATE PUMP STATION              |
|  | EXISTING CONDENSATION PUMP STATION          |
|  | EXISTING FORCEMAIN VALVE                    |
|  | EXISTING AIRLINE VALVE                      |
|  | EXISTING HORIZONTAL COLLECTOR SUMP          |
|  | EXISTING FORCEMAIN CLEANOUT                 |
|  | EXISTING WELL BORE SEAL                     |
|  | EXISTING FINAL CLOSURE CERTIFICATION LIMITS |
|  | EXISTING ANCHOR TRENCH LINER BOUNDARY       |
|  | EXISTING FINAL COVER TOE DRAINS             |
|  | PROPOSED LFG HEADER/LATERAL                 |
|  | PROPOSED 2" AIR LINE                        |
|  | PROPOSED 3" FORCEMAIN                       |
|  | PROPOSED 3"x8" DUAL CONTAINED FORCEMAIN     |
|  | PROPOSED HORIZONTAL COLLECTOR SUMP          |
|  | PROPOSED HEADER ACCESS RISER                |
|  | PROPOSED BLIND FLANGE                       |
|  | PROPOSED FLANGE CONNECTION                  |
|  | PROPOSED ANTI-SEEP COLLAR                   |
|  | PROPOSED HEADER ISOLATION VALVE             |
|  | PROPOSED FORCEMAIN ISOLATION VALVE          |
|  | PROPOSED AIRLINE ISOLATION VALVE            |
|  | PROPOSED FORCEMAIN CLEANOUT RISERS          |
|  | PROPOSED HIGH POINT                         |

LONGITUDINAL PROFILE 24" PERIMETER HEADER (25+00-37+40)



PROPOSED 24" PERIMETER HEADER PROFILE



- NOTES:**
- EXISTING CONTOURS BASED ON AERIAL SURVEY DATED 12/17/2024 PROVIDED BY SWACO.
  - 2024 GCOS AS-BUILT COMPONENTS TAKEN FROM FILE PROVIDED BY SWACO TITLED "AS-BUILT TOP GAS PIPING 11-8-24" RECEIVED ON 11/8/2024.
  - LOCATION OF PROPOSED LANDFILL GAS COLLECTION AND CONTROL SYSTEM COMPONENTS IS APPROXIMATE AND MAY VARY TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. ALL HORIZONTAL AND VERTICAL DATUM TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
  - ALL LFG HEADER AND LATERAL PIPELINES TO BE SDR-17 HDPE WITH SDR-11 HDPE FITTINGS.
  - ALL AIR LINES AND FITTINGS TO BE SDR-9 HDPE.
  - ALL FORCEMAIN AND FITTINGS TO BE SDR-11 HDPE. FORCEMAIN AND FITTINGS INSTALLED OUTSIDE THE LIMITS OF WASTE TO HAVE SDR-17 HDPE CONTAINMENT.
  - NO TEE FITTINGS ARE TO BE USED ON ANY FORCEMAIN PIPING OR TIE-INS. MOLDED SWEEPING ELBOWS, MOLDED 45° ELBOWS, AND MOLDED WYES TO BE USED FOR ALL SINGLE PIPE FORCEMAIN. SHOP FABRICATED DUAL CONTAINED 45° ELBOWS AND SHOP FABRICATED DUAL CONTAINED WYES TO BE USED FOR ALL DUAL PIPE FORCEMAIN. NO 90° ELBOWS ARE TO BE USED IN THE DUAL PIPE FORCEMAIN UNLESS AUTHORIZED BY OWNER ON A CASE-BY-CASE BASIS.
  - CONTRACTOR TO SURVEY AND STAKE PIPING ALIGNMENTS WITH GRADES AND OBTAIN APPROVAL FROM ENGINEER AND OWNER PRIOR TO PROCEEDING.
  - THE CONTRACTOR SHALL LAY OUT THE PIPE TO CONFORM TO FIELD CONDITIONS. PROVIDE 48" MINIMUM COVER AND 5% MINIMUM SLOPE CROSSING BELOW PERIMETER AND MAIN HAUL ROADS. PROVIDE MINIMUM PIPE DRAINAGE SLOPES OF 3% WITHIN WASTE LIMIT AND 1% OUTSIDE OF WASTE LIMIT. UNLESS OTHERWISE NOTED, CONTRACTOR RESPONSIBLE FOR CUT (12" MAX. UNLESS OTHERWISE NOTED PER PLAN) AND FILL BENEATH PIPE TO ENSURE PROPER DRAINAGE, AS APPROVED BY THE OWNER/ENGINEER.
  - FEATURES, CONTOURS, AND ELEVATIONS OF THESE BASE MAPS ARE APPROXIMATE INDICATIONS OF CURRENT AND FUTURE CONDITIONS. CONTRACTOR SHALL VERIFY THE ACTUAL LOCATIONS OF THESE ELEMENTS PRIOR TO AND DURING CONSTRUCTION, AND SHALL FINALIZE THE GAS SYSTEM LOCATIONS TO ACCOMMODATE FINAL FIELD CONDITIONS, AS APPROVED BY THE OWNER/ENGINEER.
  - ALL CONNECTIONS TO EXISTING PIPING SHALL BE CONFIRMED BY THE CONTRACTOR. SOME CONNECTIONS MAY REQUIRE EXCAVATION.
  - ALL PIPING SHALL BE PRESSURE TESTED BY CONTRACTOR ACCORDING TO PRESSURE TESTING REQUIREMENTS PROVIDED BY THE ENGINEER.
  - WORK SHALL NOT VARY FROM DESIGN WITHOUT APPROVAL OF THE OWNER/ENGINEER.
  - CONTRACTOR TO REMOVE AND REUSE EXISTING PIPING AND FITTINGS WHERE APPLICABLE. CAP ALL ABANDONED PIPE. IF ABANDONED PIPE IS HDPE, USE FUSED ON HDPE CAP. IF ABANDONED PIPE IS PVC, USE PVC SCH 40 CAP SECURED WITH LAG SCREWS AT 90° AND SOLVENT WELD AS NECESSARY.
  - ITEMS DEPICTED IN GREEN COLOR ARE NOT PART OF THIS SCOPE OF WORK.

ISSUED FOR BID - ADDENDUM 3

| REV      | DATE | DESCRIPTION | DWN BY | DES BY | CHK BY | APP BY |
|----------|------|-------------|--------|--------|--------|--------|
| 04/23/25 |      |             | JRD    | JPS    | JPS    | JGS    |



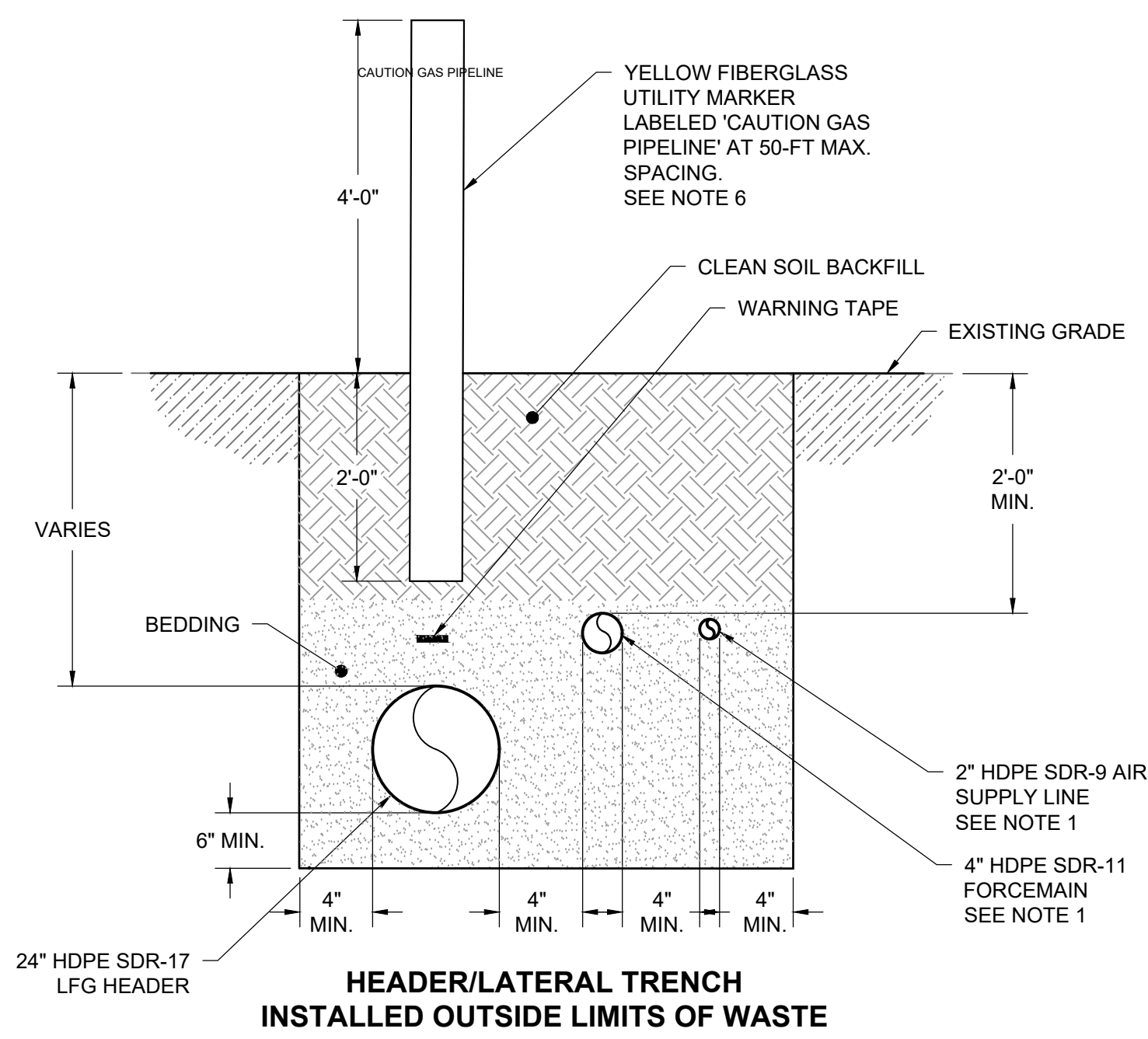
SOLID WASTE AUTHORITY OF CENTRAL OHIO  
FRANKLIN COUNTY SANITARY LANDFILL  
GROVE CITY, OHIO

2025 GCOS CONSTRUCTION  
PROPOSED PERIMETER HEADER PLAN/PROFILE

SHEET NO. **3C**  
PROJECT NO. 206-4251380

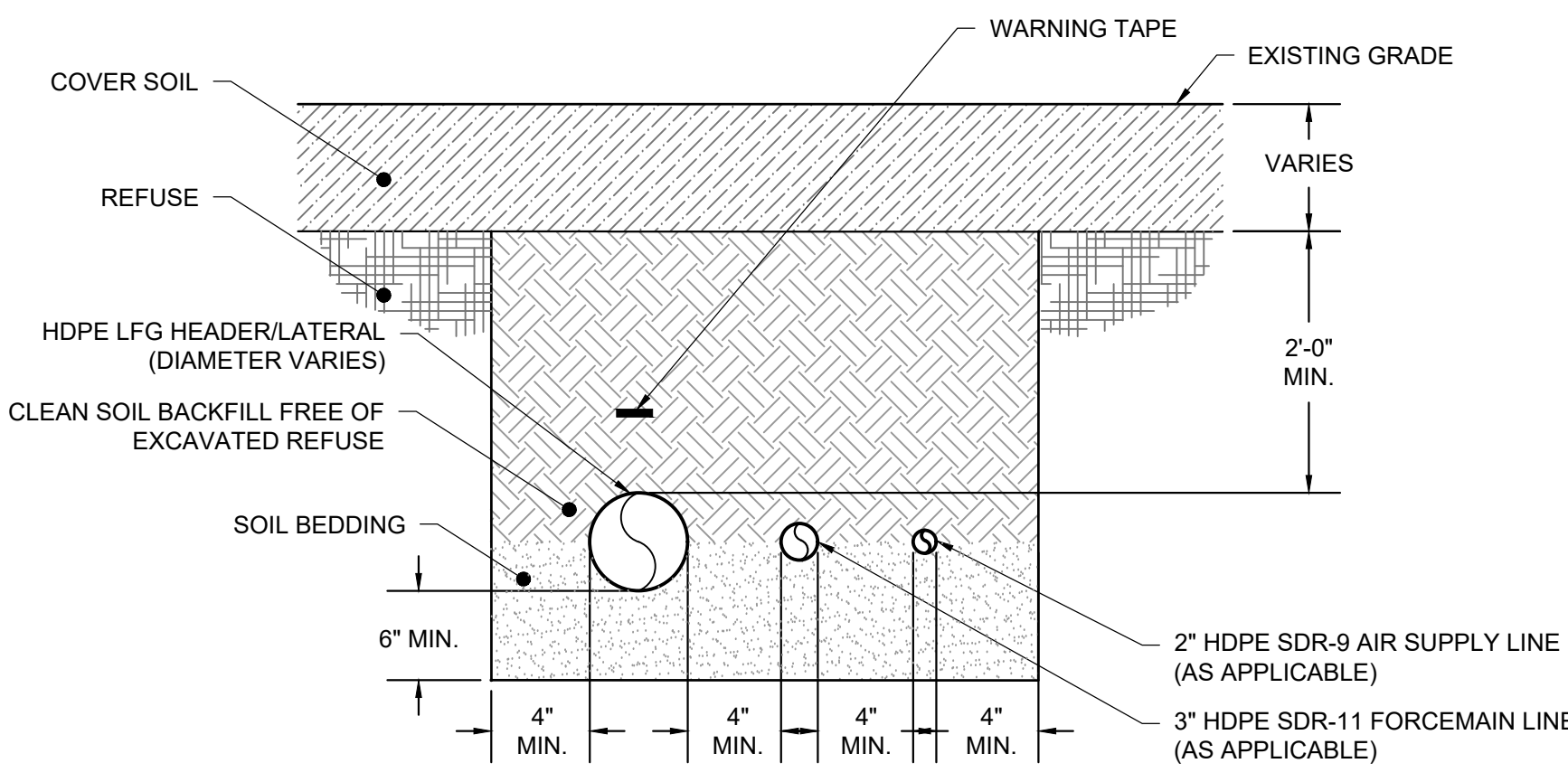
1" = 12'

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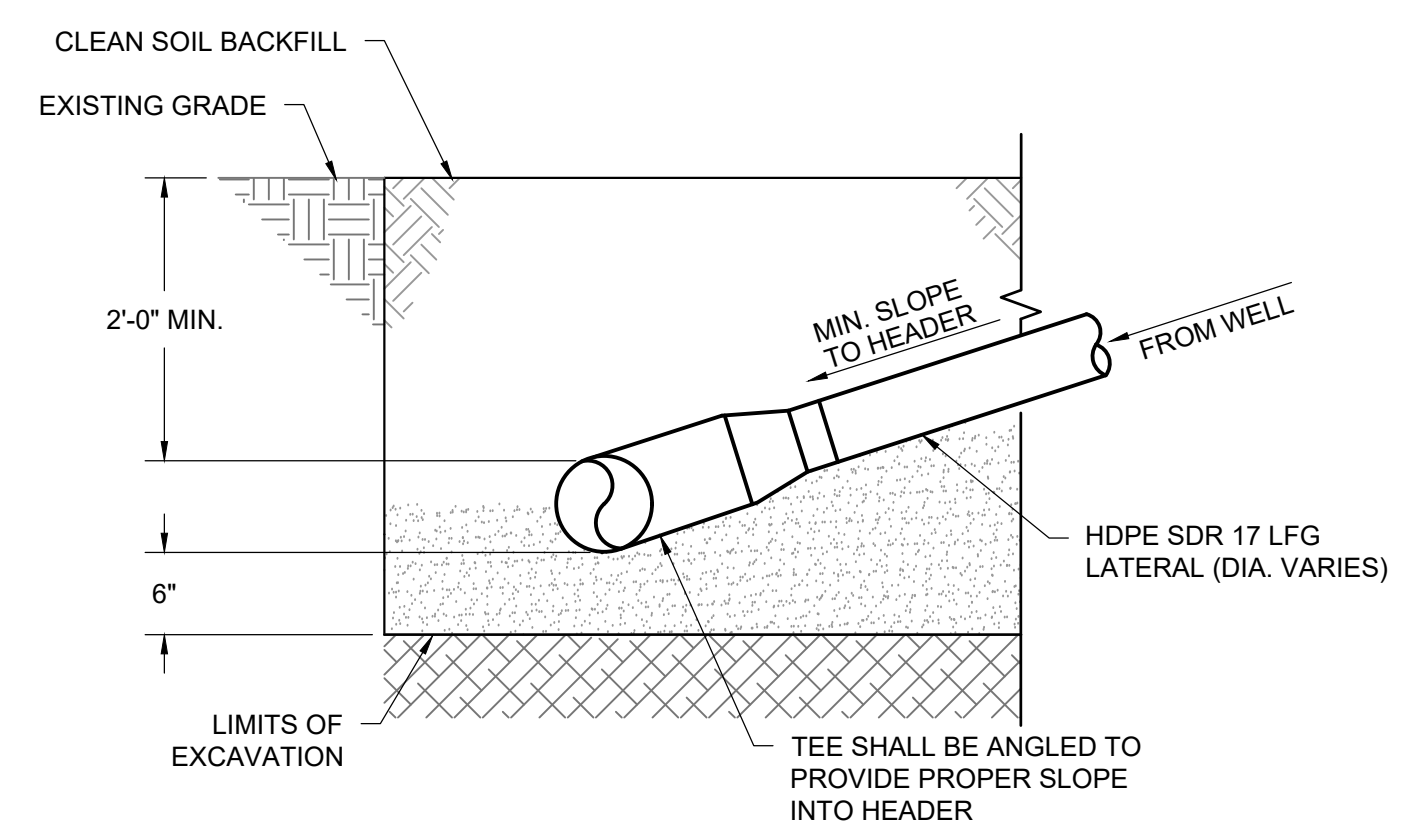
**DETAIL 1**  
SCALE: NOT TO SCALE  
DS1

- NOTES:**
1. ALL HEADER AND LATERAL PIPELINES TO BE SDR-17 HDPE WITH SDR-11 HDPE FITTINGS. ALL AIRLINES AND FITTINGS TO BE SDR-9 WITH YELLOW STRIPE MARKING. ALL FORCEMAINS AND FITTINGS TO BE SDR-11 WITH BLUE STRIPE MARKING. FORCEMAIN INSTALLED OUTSIDE THE LIMITS OF WASTE OR IN THE FINAL COVER AREAS TO HAVE HDPE SDR-17 DUAL CONTAINMENT.
  2. NO HARD ELBOWS (45° OR 90°) OR TEE FITTINGS TO BE USED ON ANY FORCEMAIN PIPING OR TIE-INS. MOLDED SWEEPING ELBOWS (45° OR 90°), MOLDED WYES AND FIELD BENDS TO BE USED FOR ALL SINGLE PIPE FORCEMAIN. SHOP FABRICATED DUAL CONTAINED SWEEP ELBOWS (45°) AND SHOP FABRICATED DUAL CONTAINED WYES TO BE USED FOR ALL DUAL PIPE FORCEMAIN. NO HARD ELBOWS (45° OR 90°), NO SWEEP 90° ELBOWS, OR TEE FITTINGS TO BE USED IN ANY DUAL PIPE FORCEMAIN.
  3. WARNING TAPE TO BE MIN. 3" WIDE AND IMPRINTED WITH "GAS LINE BURIED BELOW".
  4. ALL HEADER AND LATERAL TO BE INSTALLED AT 1% MIN. SLOPE UNLESS APPROVED IN ADVANCE BY ENGINEER.
  5. THE NUMBER AND TYPES OF PIPES TO BE INSTALLED IN THE TRENCH MAY VARY. REFER TO SITE PLAN.
  6. UTILITY MARKER TO BE CARSONITE MODEL CRM3-060-02 OR APPROVED EQUAL.

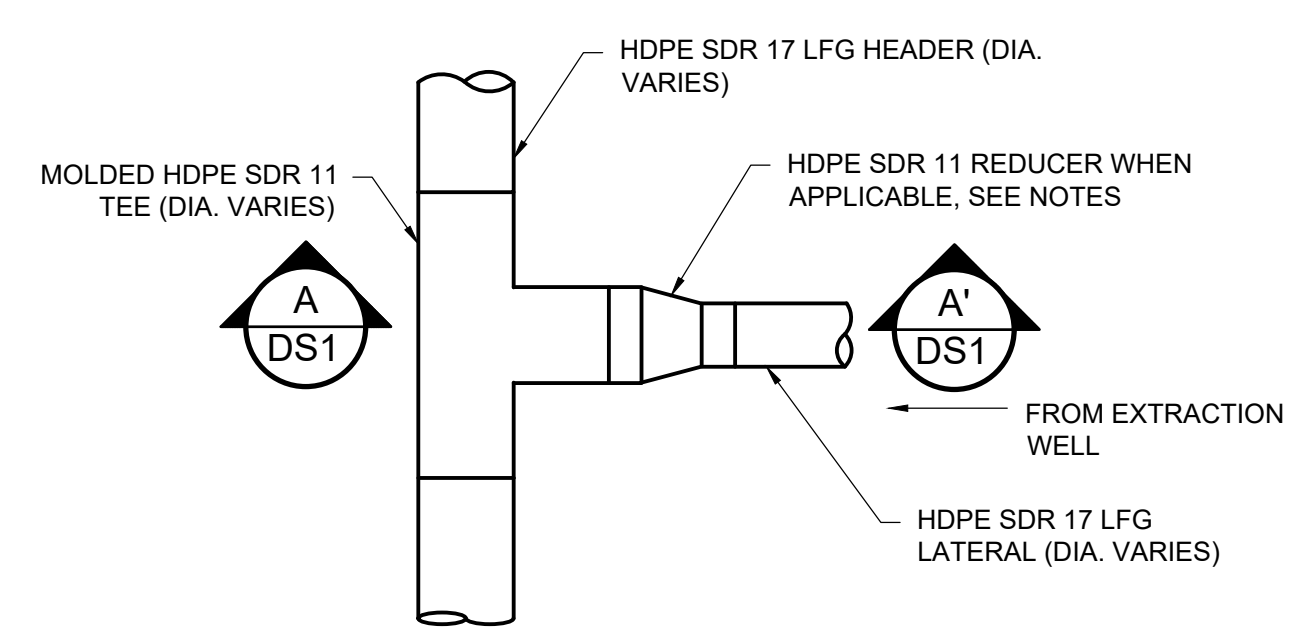


**DETAIL 2**  
SCALE: NOT TO SCALE  
DS1

- NOTES:**
1. ALL HEADER AND LATERAL PIPELINES TO BE SDR-17 HDPE WITH SDR-11 HDPE FITTINGS. ALL AIRLINES AND FITTINGS TO BE SDR-9. ALL FORCEMAINS AND FITTINGS TO BE SDR-11.
  2. COMPACT BACKFILL WITH VIBRATORY PLATE OR EQUAL.
  3. WARNING TAPE SHALL BE MIN. 3" WIDE AND IMPRINTED WITH "GAS LINE BURIED BELOW".
  4. ALL HEADER AND LATERAL SHALL BE INSTALLED AT MIN. 3% SLOPE UNLESS APPROVED IN ADVANCE BY ENGINEER.
  5. THE NUMBER AND TYPES OF PIPES INSTALLED IN THE TRENCH MAY VARY. SEE SITE PLAN.

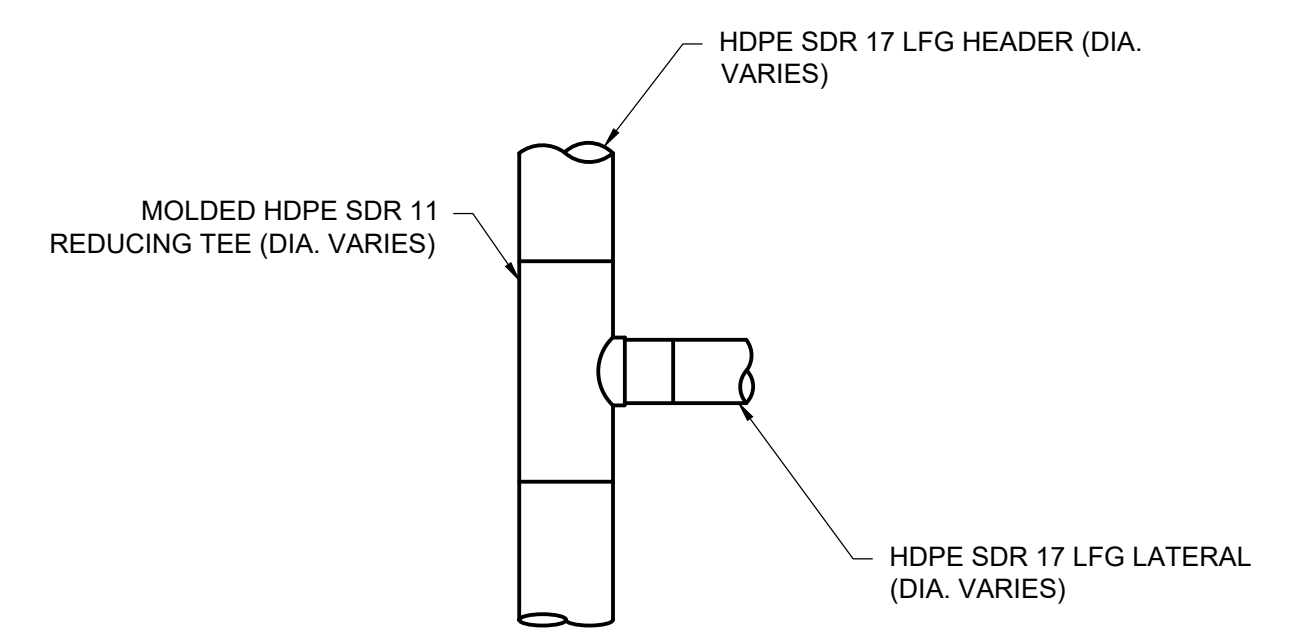


**SECTION A-A**  
SCALE: NOT TO SCALE  
DS1



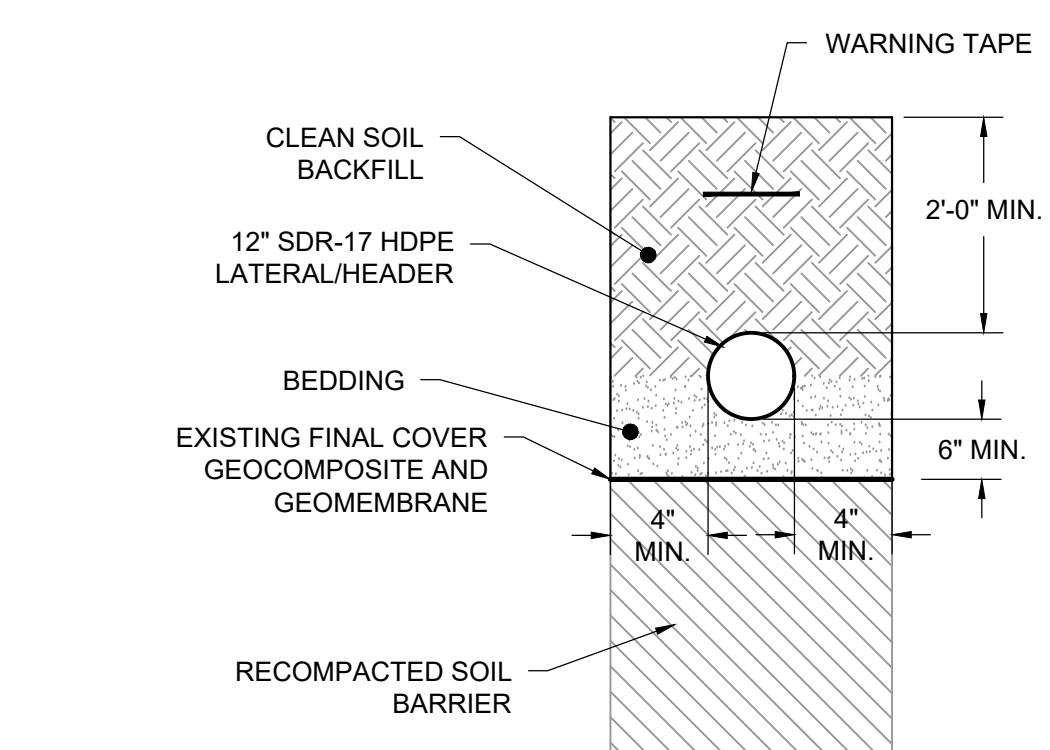
**DETAIL 3**  
SCALE: NOT TO SCALE  
DS1

- NOTES:**
1. MOLDED HDPE TEES SHALL BE INSTALLED FOR ALL TIE-INS OF LATERALS TO HEADER 12"Ø AND SMALLER. TEES SHALL BE ANGLED TO MAINTAIN SLOPE INTO THE HEADER AS SHOWN IN SECTION VIEW.
  2. CONSECUTIVE SIZE REDUCERS SHALL BE USED TO TRANSITION FROM THE MOLDED TEE TO THE LFG LATERAL. FOR EXAMPLE, TO TRANSITION FROM A 12" TEE, A 12"x10" REDUCER, 10"x8" REDUCER, AND 8"x6" REDUCER SHALL BE INSTALLED.
  3. 6" MIN. OF BEDDING SHALL BE PLACED BELOW EACH TEE. THE BEDDING SHALL BE INSTALLED SO IT EXTENDS 3" MIN. IN EACH DIRECTION OF THE TEE. BEDDING SHALL BE SLIGHTLY MOISTENED AND HAND-TAMPED PROVIDING SUPPORT TO ALL POINTS OF THE TEE. CLEAN, GRADED SOIL SHALL BE HAND-TAMPED ABOVE TEE (1" MIN.) BEING CAREFUL TO ELIMINATE VOIDS.



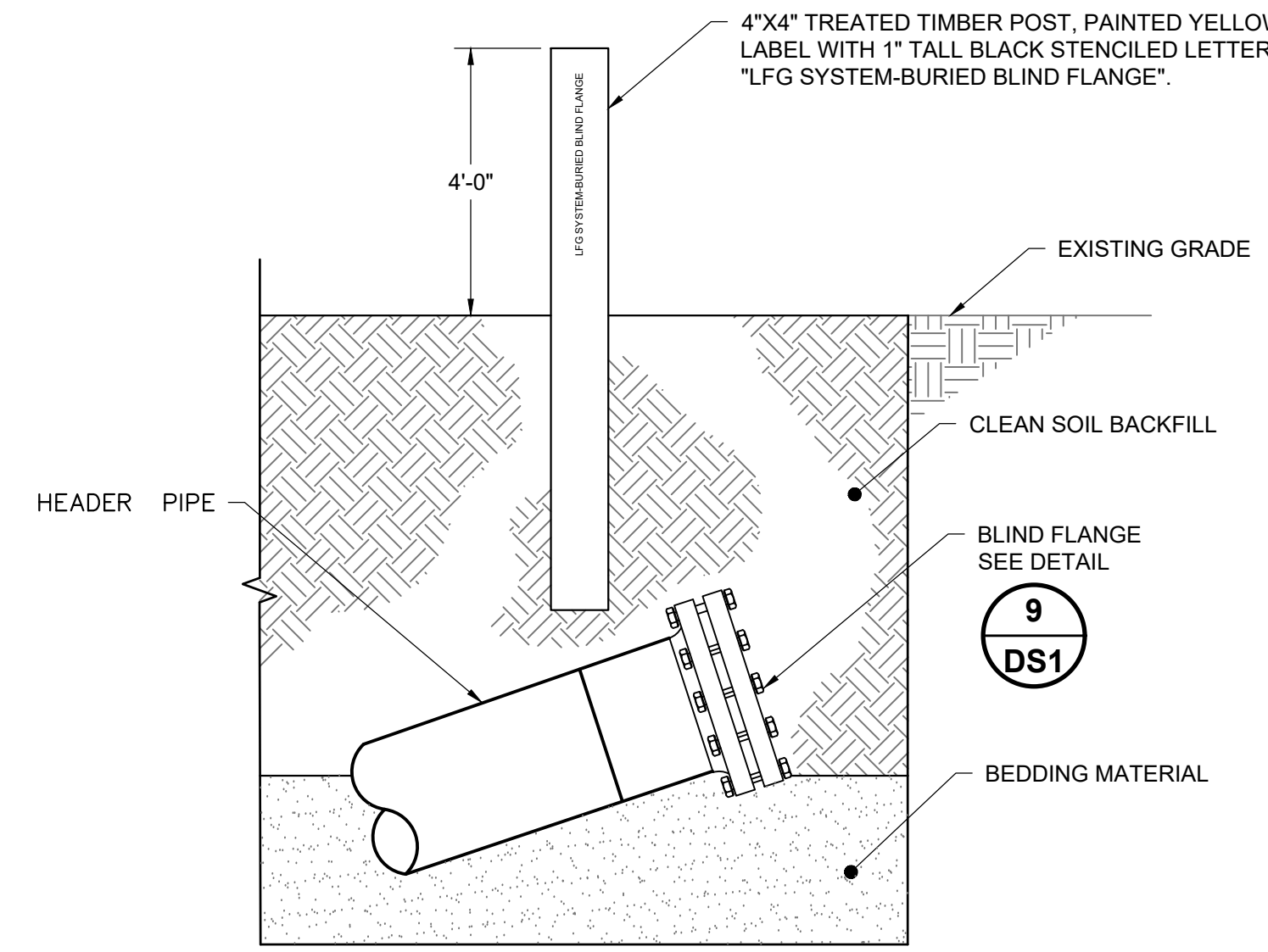
**DETAIL 4**  
SCALE: NOT TO SCALE  
DS1

- NOTES:**
1. MOLDED REDUCING HDPE TEES SHALL BE INSTALLED FOR ALL TIE-INS OF LATERALS TO HEADER LARGER THAN 12". TEE SHALL BE ANGLED TO MAINTAIN SLOPE INTO THE HEADER AS SHOWN IN SECTION VIEW.
  2. 6" MIN. OF BEDDING SHALL BE PLACED BELOW EACH TEE. THE BEDDING SHALL BE INSTALLED SO IT EXTENDS 3" MIN. IN EACH DIRECTION OF THE TEE. BEDDING SHALL BE SLIGHTLY MOISTENED AND HAND-TAMPED PROVIDING SUPPORT TO ALL POINTS OF THE TEE. CLEAN, GRADED SOIL SHALL BE HAND-TAMPED ABOVE TEE (1" MIN.) BEING CAREFUL TO ELIMINATE VOIDS.



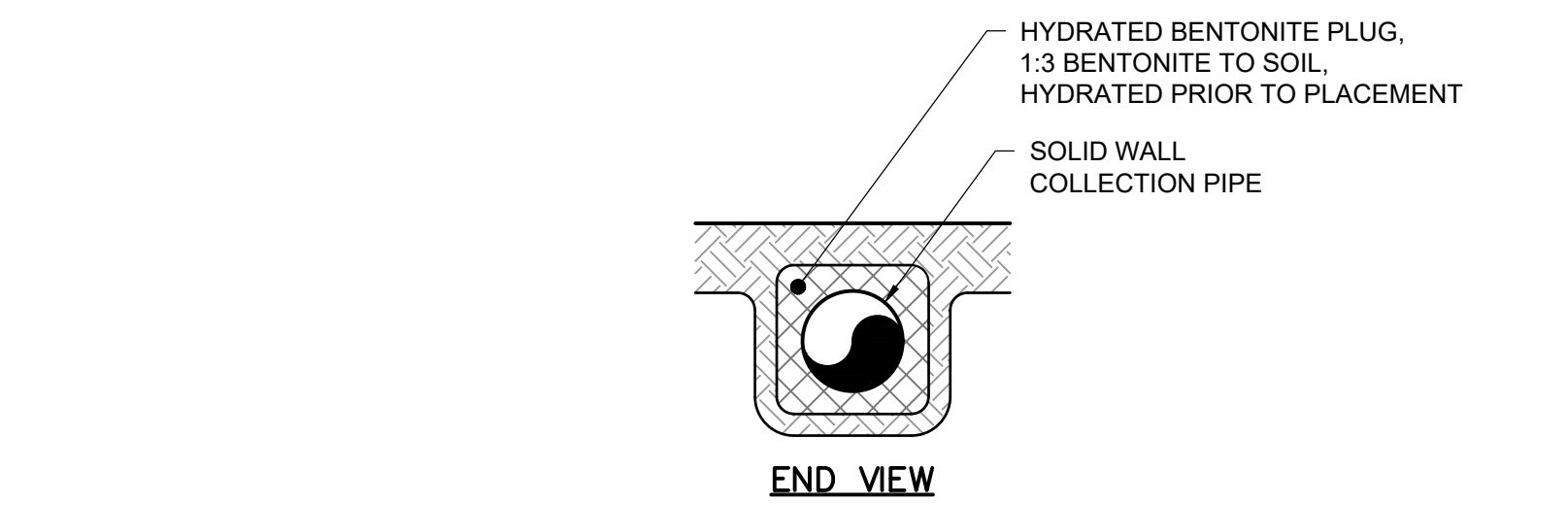
**DETAIL 5**  
SCALE: NOT TO SCALE  
DS1

- NOTES:**
1. IN AREAS WHERE CLAY/GEOMEMBRANE FINAL CAP HAS BEEN CONSTRUCTED, HEADER/LATERAL SHALL BE INSTALLED ABOVE EXISTING GEOMEMBRANE CAP.
  2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO GEOMEMBRANE CAP AND SHALL REPAIR TO ENGINEER'S SPECIFICATIONS AT NO ADDITIONAL COST TO OWNER.
  3. THE NUMBER AND TYPES OF PIPES TO BE INSTALLED IN THE TRENCH MAY VARY. SEE SITE PLAN.
  4. WARNING TAPE SHALL BE MIN. 3" WIDE AND IMPRINTED WITH "GAS LINE BURIED BELOW".
  5. ALL HEADER AND LATERAL SHALL BE INSTALLED AT MIN. SLOPE UNLESS APPROVED IN ADVANCE BY ENGINEER.
  6. MOUND SOIL OVER PIPE, AS NECESSARY, TO MAINTAIN 2" MINIMUM COVER OVER PIPES.



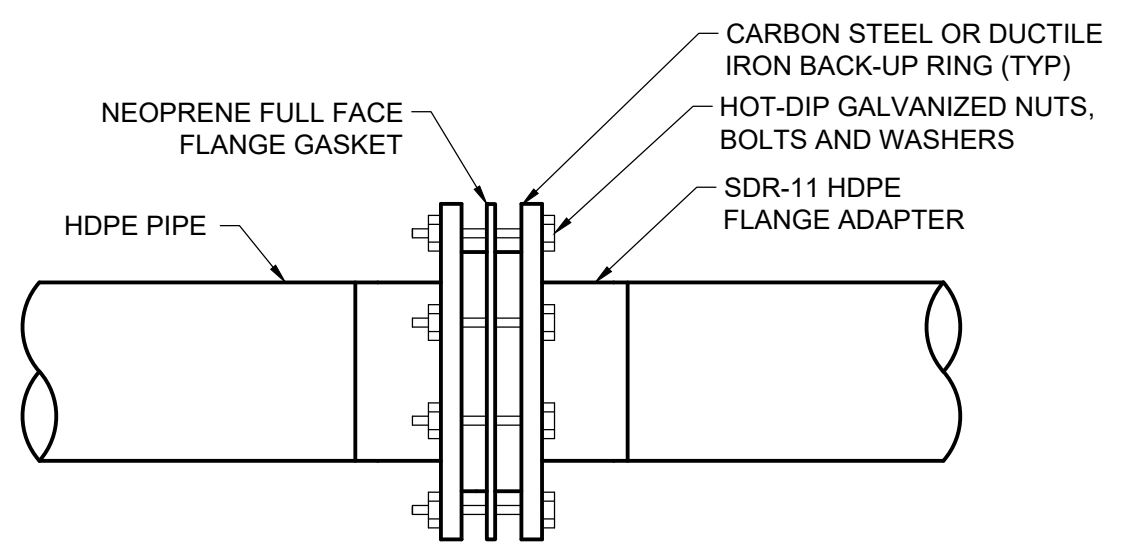
**DETAIL 6**  
SCALE: NOT TO SCALE  
DS1

- NOTES:**
1. THOROUGHLY COAT ENTIRE SURFACE OF BOLTS, WASHERS, NUTS AND BACKUP RINGS WITH POLYCOAT RUBBERIZED PRIMER, OR EQUAL. AFTER TIGHTENING BOLTS, COATING SHALL HAVE NO "HOLIDAYS", OR GAPS IN ITS APPLICATION.
  2. INSTALL FLANGE WITH THE PROPER SLOPE TO PROVIDE FOR FUTURE CONDENSATE DRAINAGE.



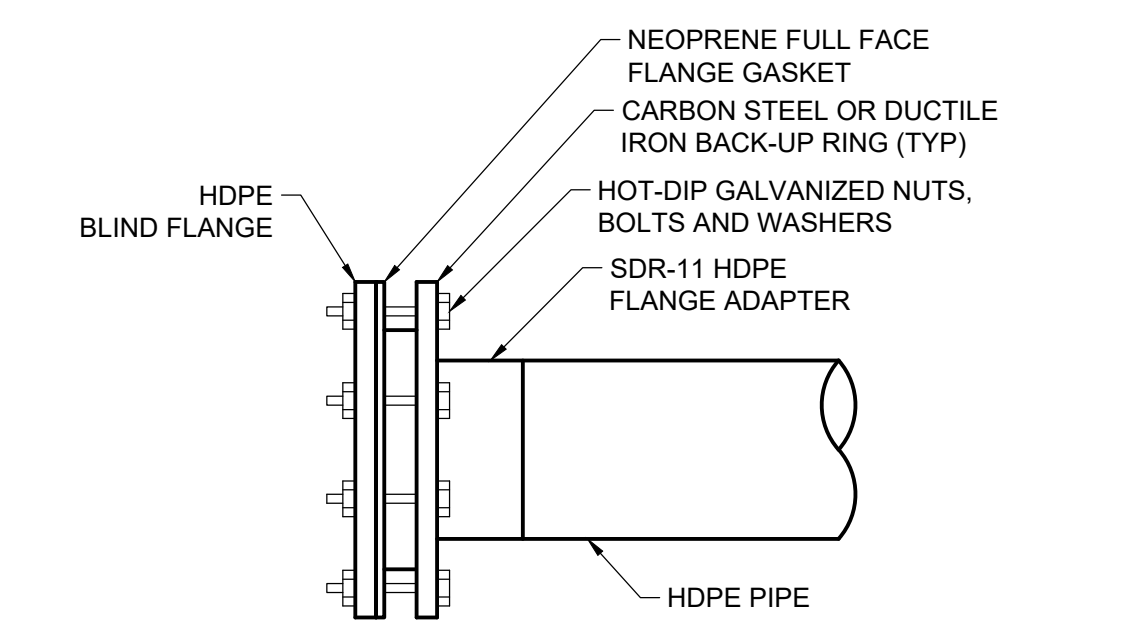
**DETAIL 7**  
SCALE: NOT TO SCALE  
DS1

- NOTES:**
1. ANTI-SEEP COLLAR TO BE INSTALLED AT ALL PIPES CROSSING OVER FROM OUTSIDE WASTE LIMITS AND FINAL COVER AREAS TO WITHIN WASTE LIMITS.
  2. NUMBER AND TYPE OF PIPES IN TRENCH MAY VARY. ALL PIPES IN THE TRENCH TO BE WITHIN ANTI-SEEP COLLAR.



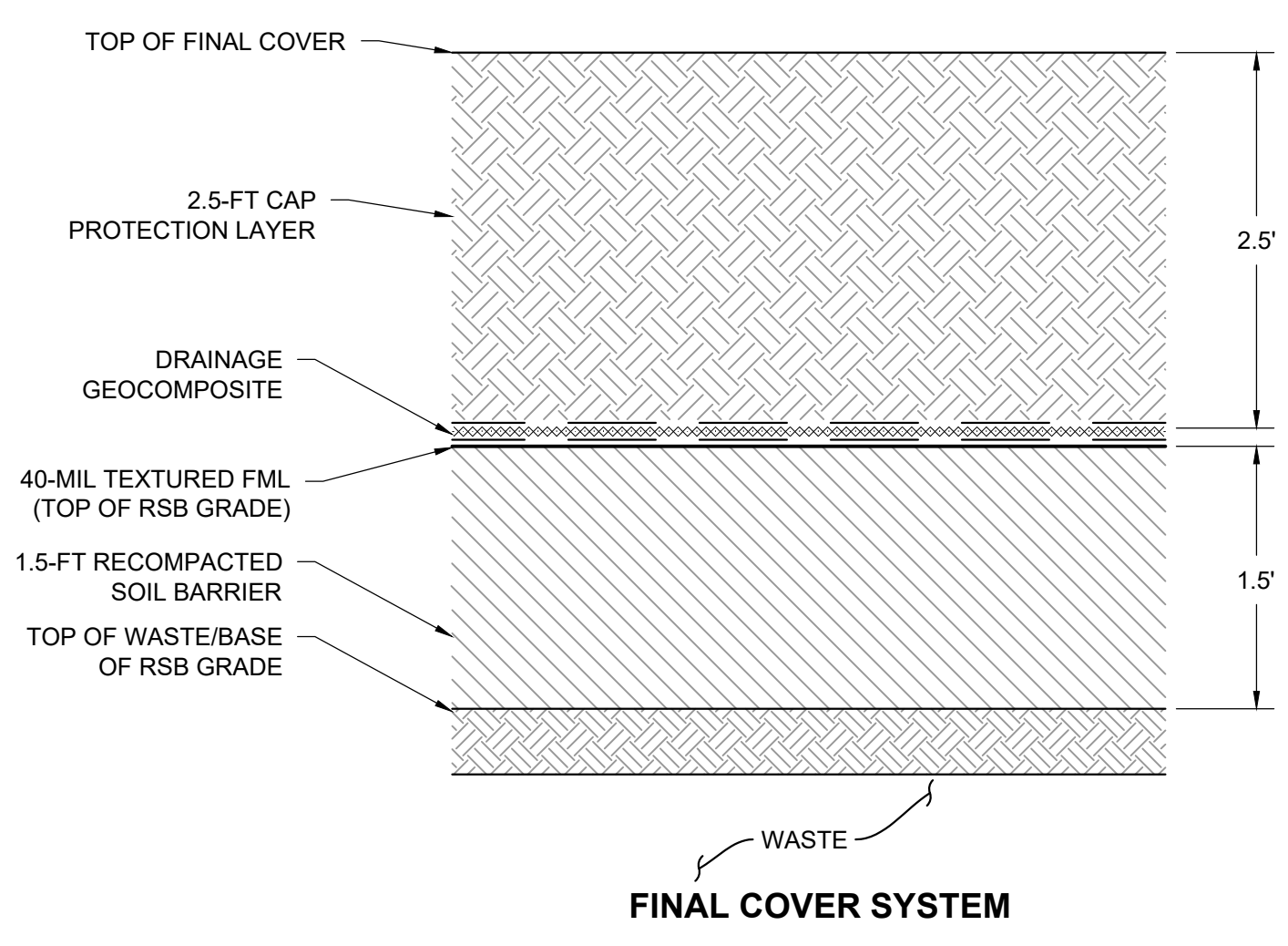
**DETAIL 8**  
SCALE: NOT TO SCALE  
DS1

- NOTES:**
1. THOROUGHLY COAT ENTIRE SURFACE OF BOLTS, WASHERS, NUTS AND BACKUP RINGS WITH POLYCOAT RUBBERIZED PRIMER, OR EQUAL. AFTER TIGHTENING NUTS, WRAP FLANGE IN PLASTIC WRAP PRIOR TO BACKFILLING.



**DETAIL 9**  
SCALE: NOT TO SCALE  
DS1

- NOTES:**
1. THOROUGHLY COAT ENTIRE SURFACE OF BOLTS, WASHERS, NUTS AND BACKUP RINGS WITH POLYCOAT RUBBERIZED PRIMER, OR EQUAL. AFTER TIGHTENING NUTS, WRAP FLANGE IN PLASTIC WRAP PRIOR TO BACKFILLING.



**DETAIL 10**  
SCALE: NOT TO SCALE  
DS1

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| REV           | DATE     | DESCRIPTION | DWN BY | DES BY      | CHK BY | APP BY |
|---------------|----------|-------------|--------|-------------|--------|--------|
| DATE OF ISSUE | 04/23/25 | DRAWN BY    | JRD    | CHECKED BY  | JPS    |        |
|               |          | DESIGNED BY | JPS    | APPROVED BY | JGW    |        |



SOLID WASTE AUTHORITY OF CENTRAL OHIO  
FRANKLIN COUNTY SANITARY LANDFILL  
GROVE CITY, OHIO

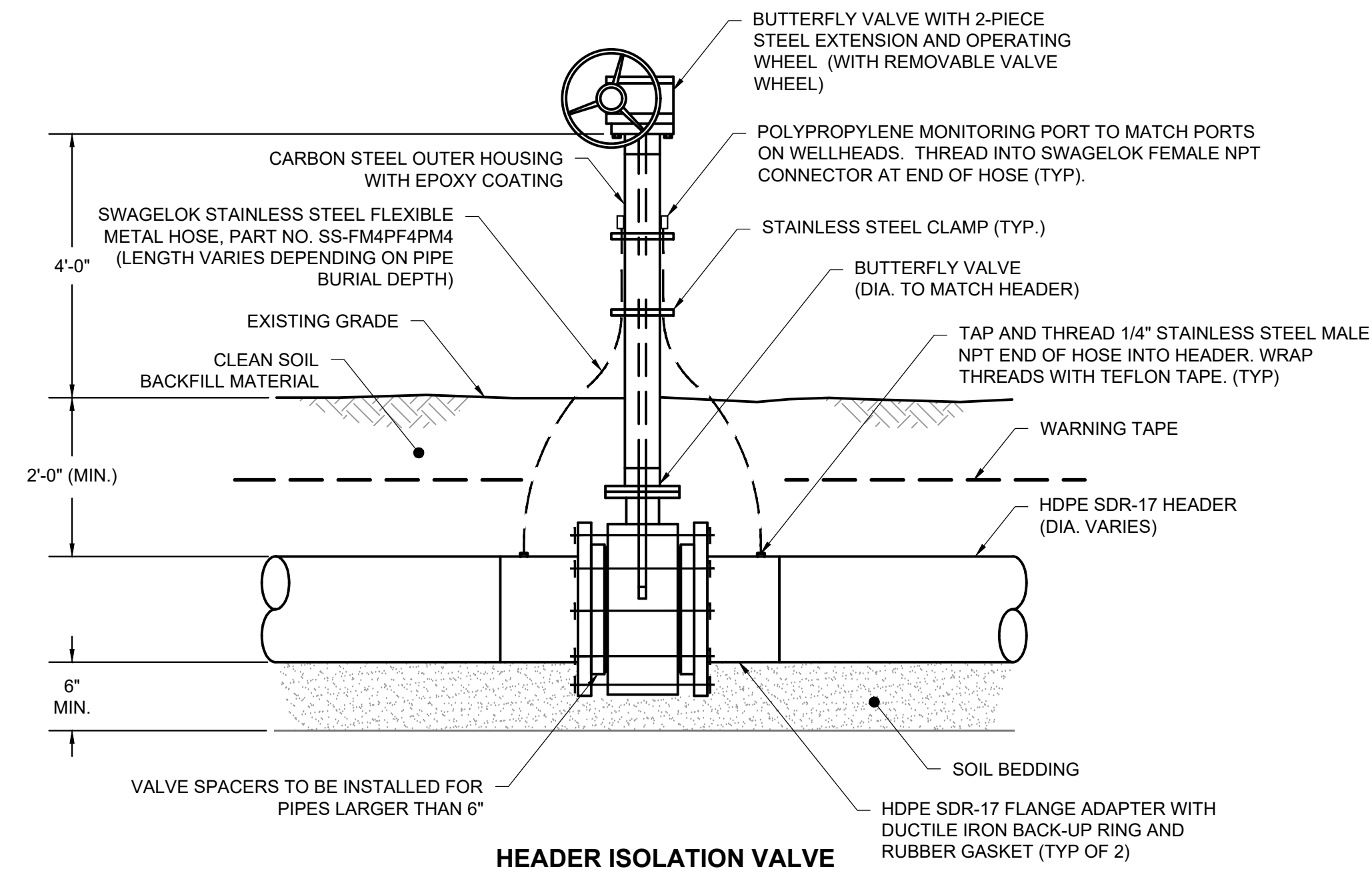
2025 GCCS CONSTRUCTION  
DETAILS

SHEET NO.  
**DS1**

PROJECT NO.  
208-4251350

1" = 12' 0" 1" = 12' 0" 1" = 12' 0"

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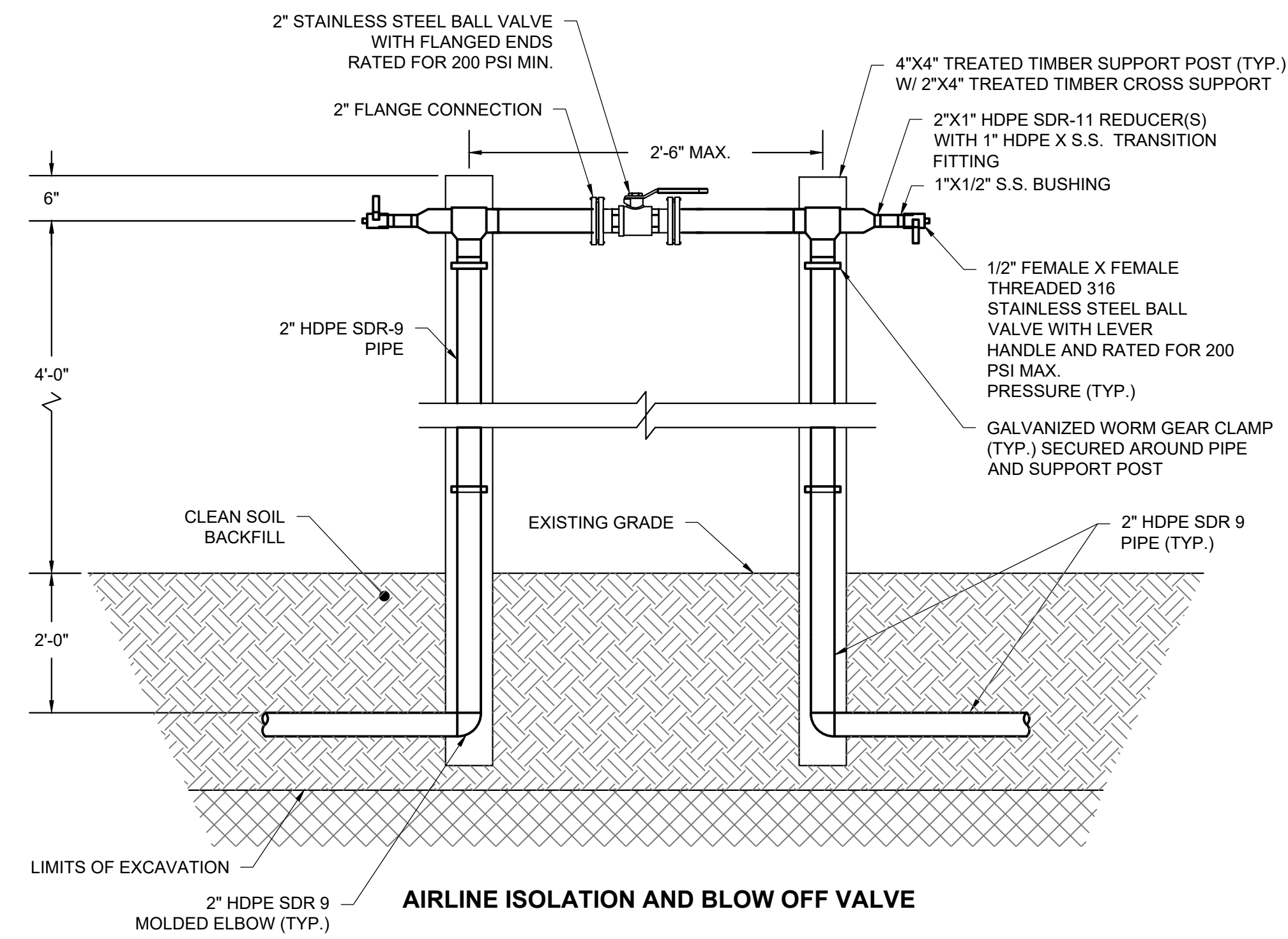


**HEADER ISOLATION VALVE**

**DETAIL 1**  
SCALE: NOT TO SCALE

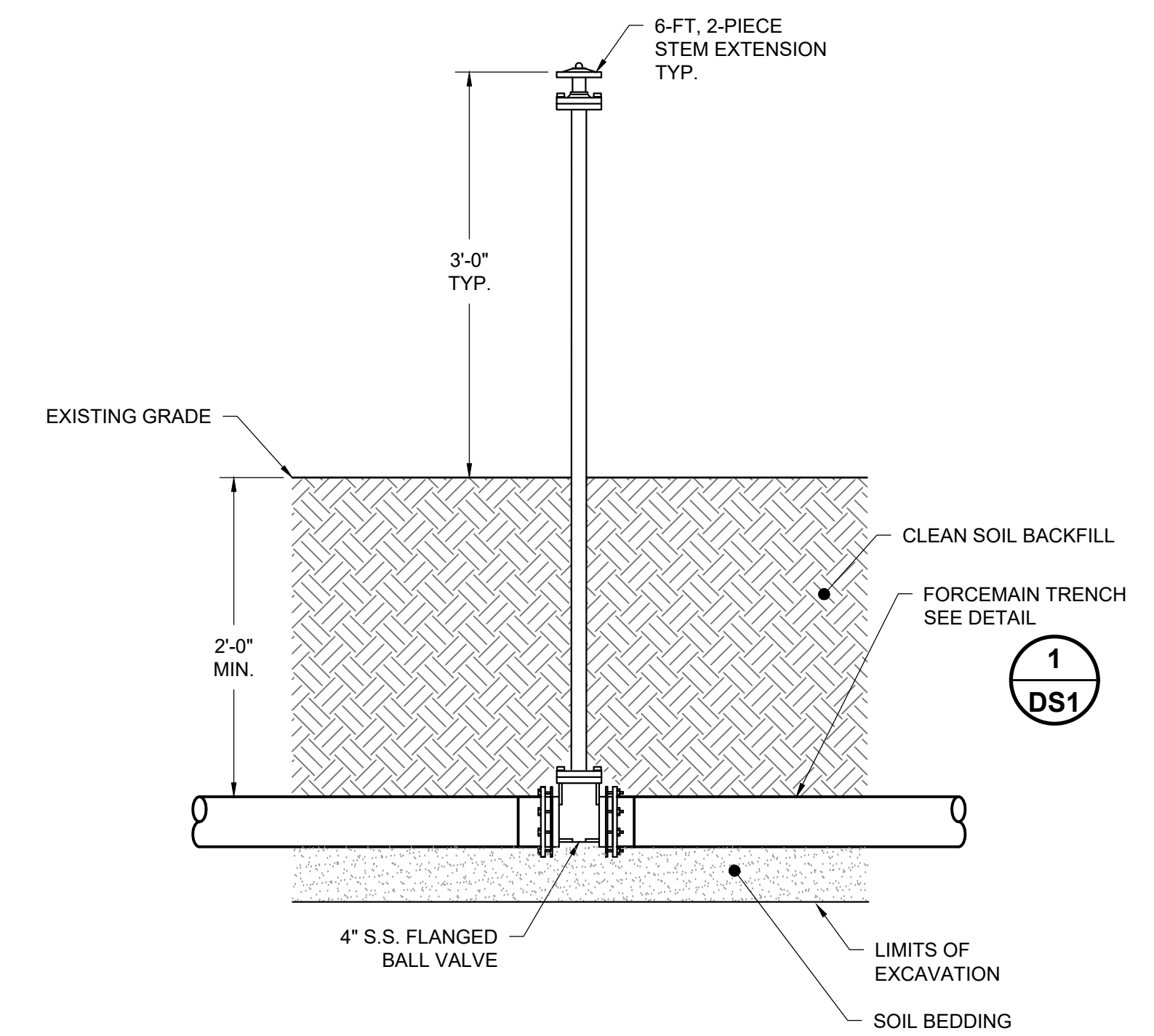
**NOTES:**

1. NUTS, BOLTS, AND WASHERS SHALL BE HOT-DIP GALVANIZED. STAINLESS STEEL BOLTS AND NUTS WILL NOT BE PERMITTED.
2. THOROUGHLY COAT ENTIRE SURFACE OF BOLTS, WASHERS, NUTS AND BACKUP RINGS WITH POLYCOAT RUBBERIZED PRIMER, OR EQUAL. AFTER TIGHTENING BOLTS, COATING SHALL HAVE NO "HOLIDAYS", OR GAPS IN ITS APPLICATION.
3. WRAP FLANGE IN PLASTIC WRAP PRIOR TO BACKFILLING.



**AIRLINE ISOLATION AND BLOW OFF VALVE**

**DETAIL 2**  
SCALE: NOT TO SCALE

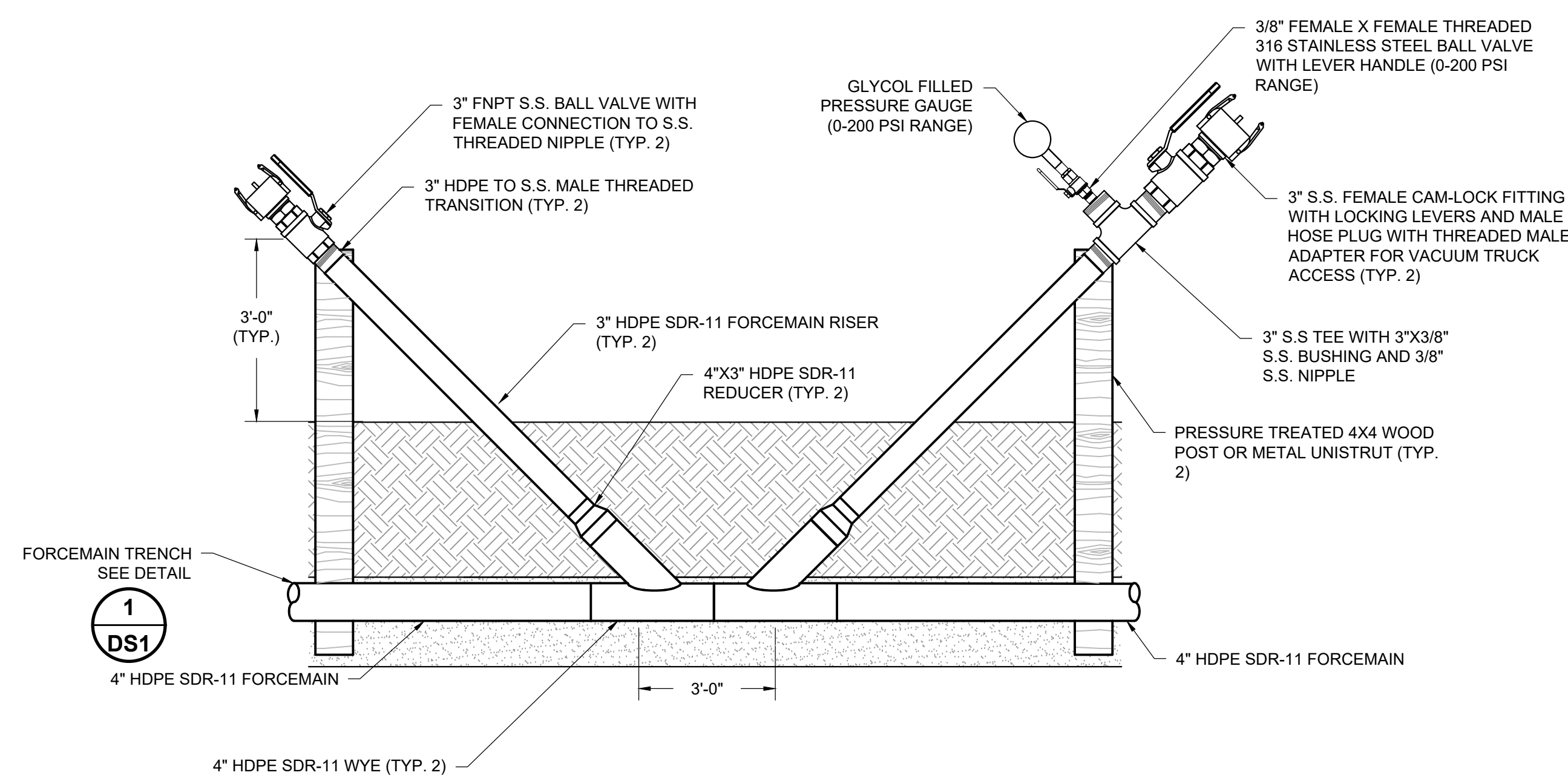


**FORCEMAIN ISOLATION VALVE**

**DETAIL 3**  
SCALE: NOT TO SCALE

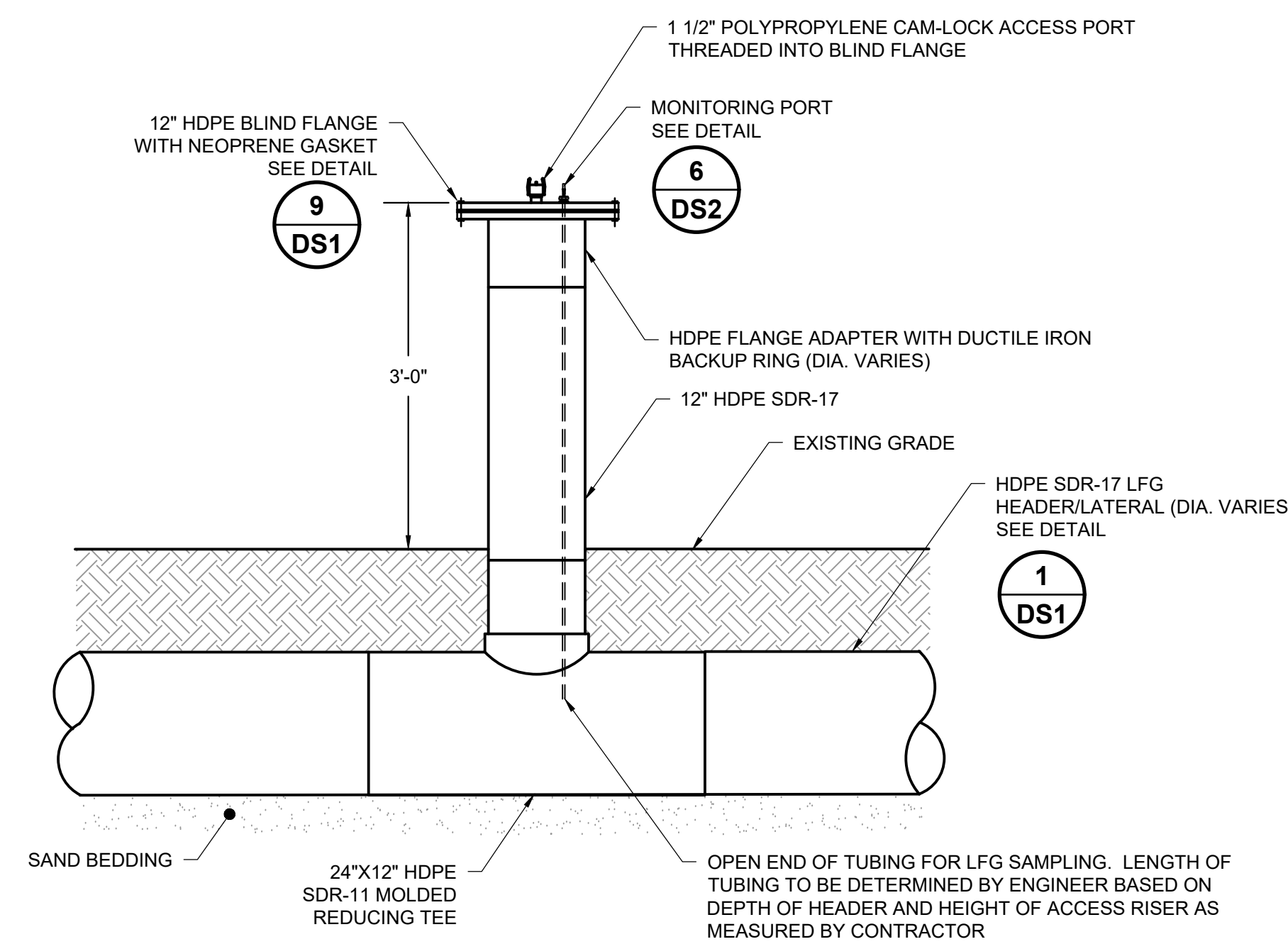
**NOTES:**

1. WRAP VALVE IN PLASTIC WRAP PRIOR TO BACKFILLING.



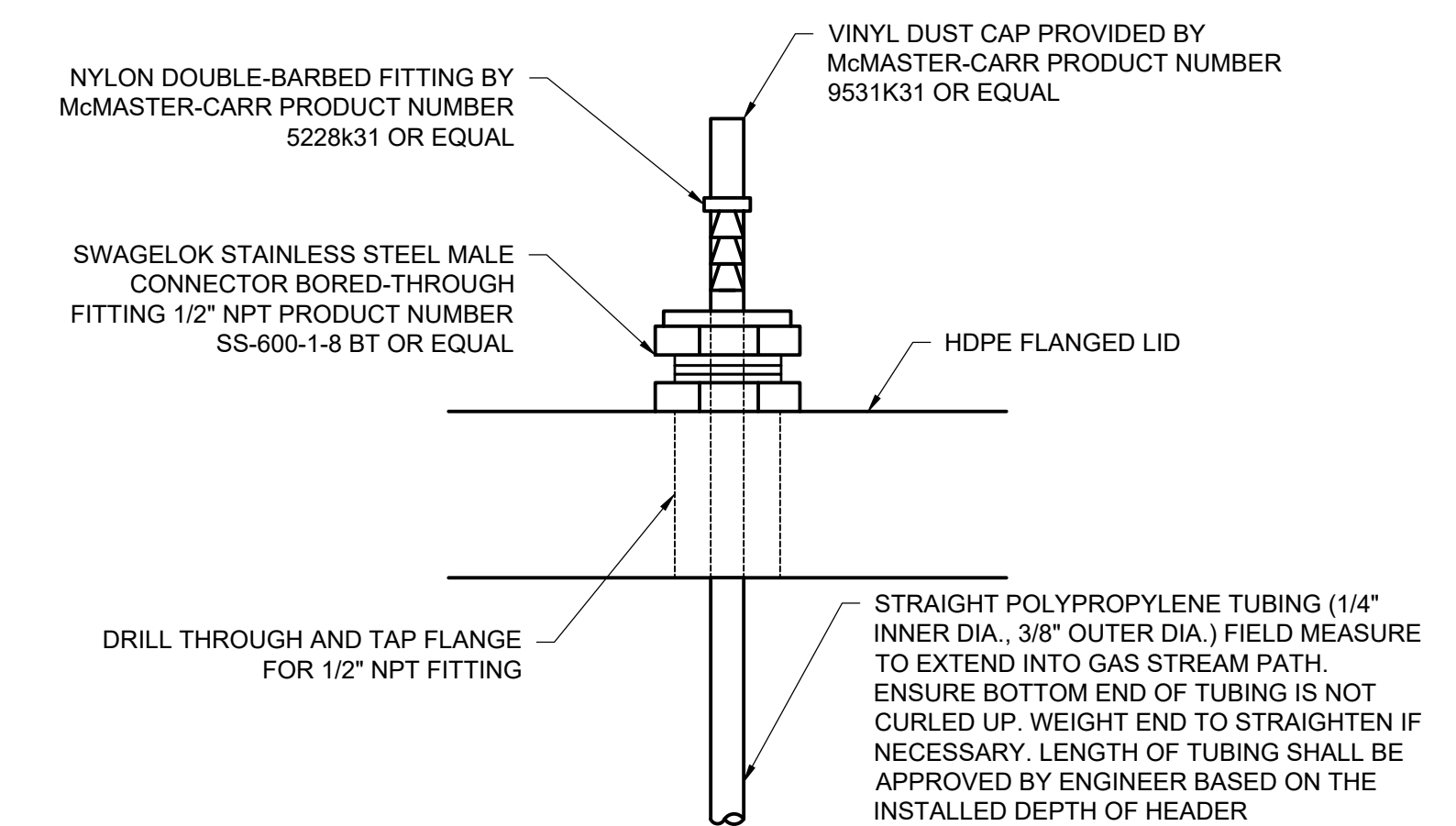
**FORCEMAIN CLEANOUT RISERS**

**DETAIL 4**  
SCALE: NOT TO SCALE



**12" HEADER ACCESS RISER AT HEADER HIGH POINT HAR-2, HAR-9**

**DETAIL 5**  
SCALE: NOT TO SCALE



**MONITORING PORT (TYP.)**

**DETAIL 6**  
SCALE: NOT TO SCALE

1" 1/2" 0" 1" File: C:\Users\jgibb\OneDrive\Documents\Tetra\2025\20250423\20250423\_1112.dwg User: jgibb Date: 04/23/25

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| 04/23/25 |      |             |        | JPS    | JPS    | JGJV   |



SOLID WASTE AUTHORITY OF CENTRAL OHIO  
FRANKLIN COUNTY SANITARY LANDFILL  
GROVE CITY, OHIO

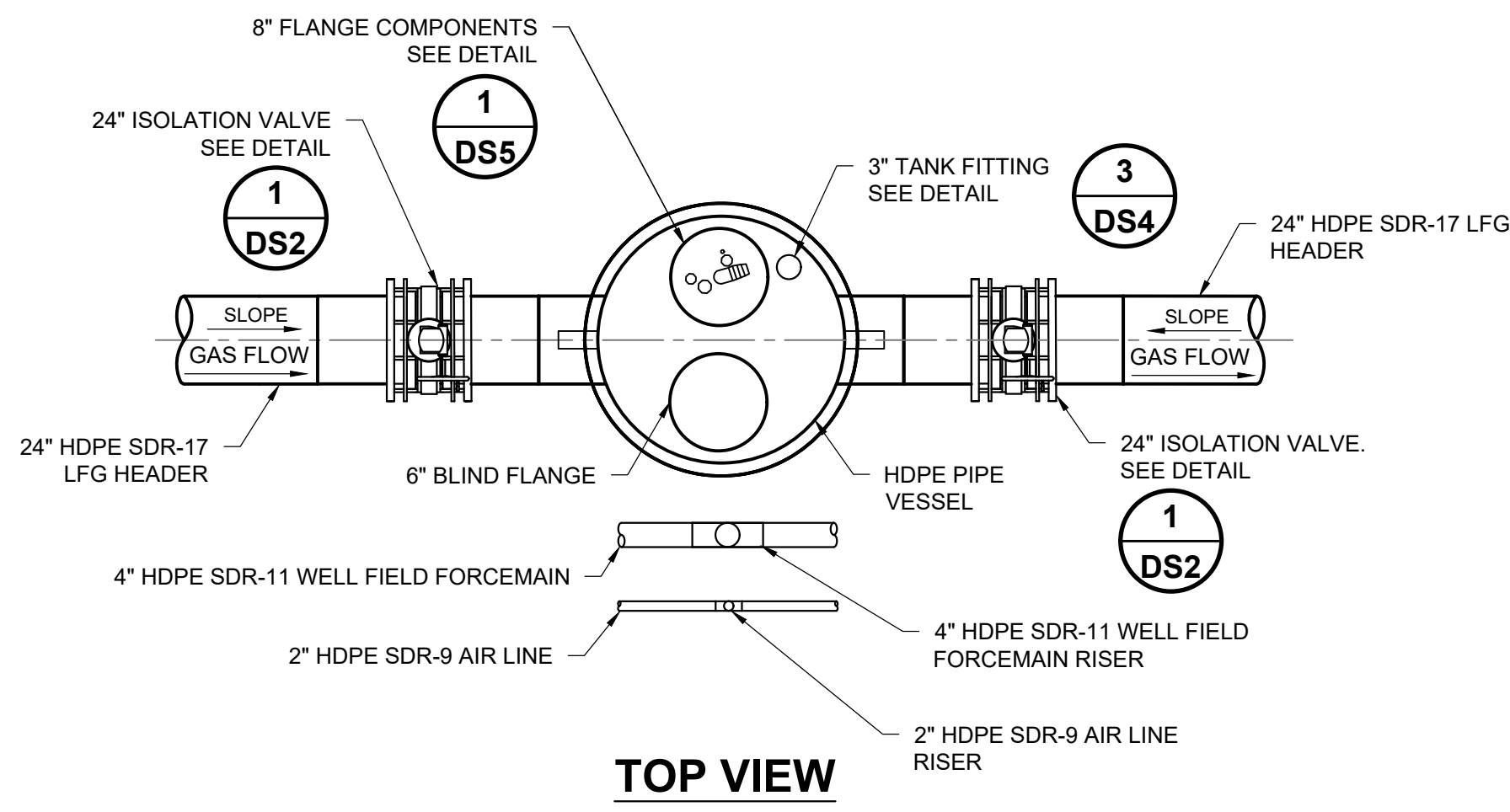
2025 GCCS CONSTRUCTION  
DETAILS

SHEET NO.  
**DS2**

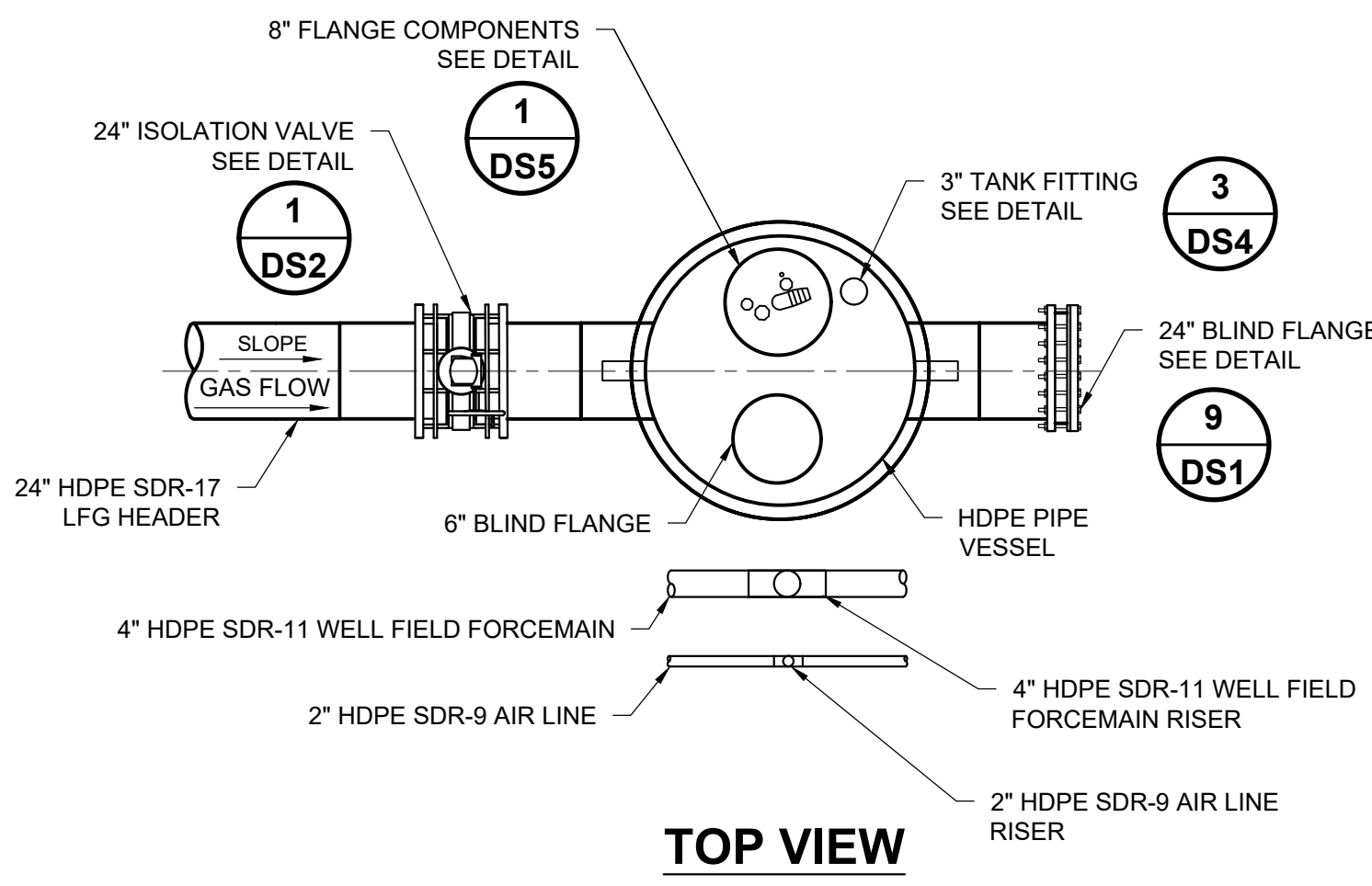
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208-4251350

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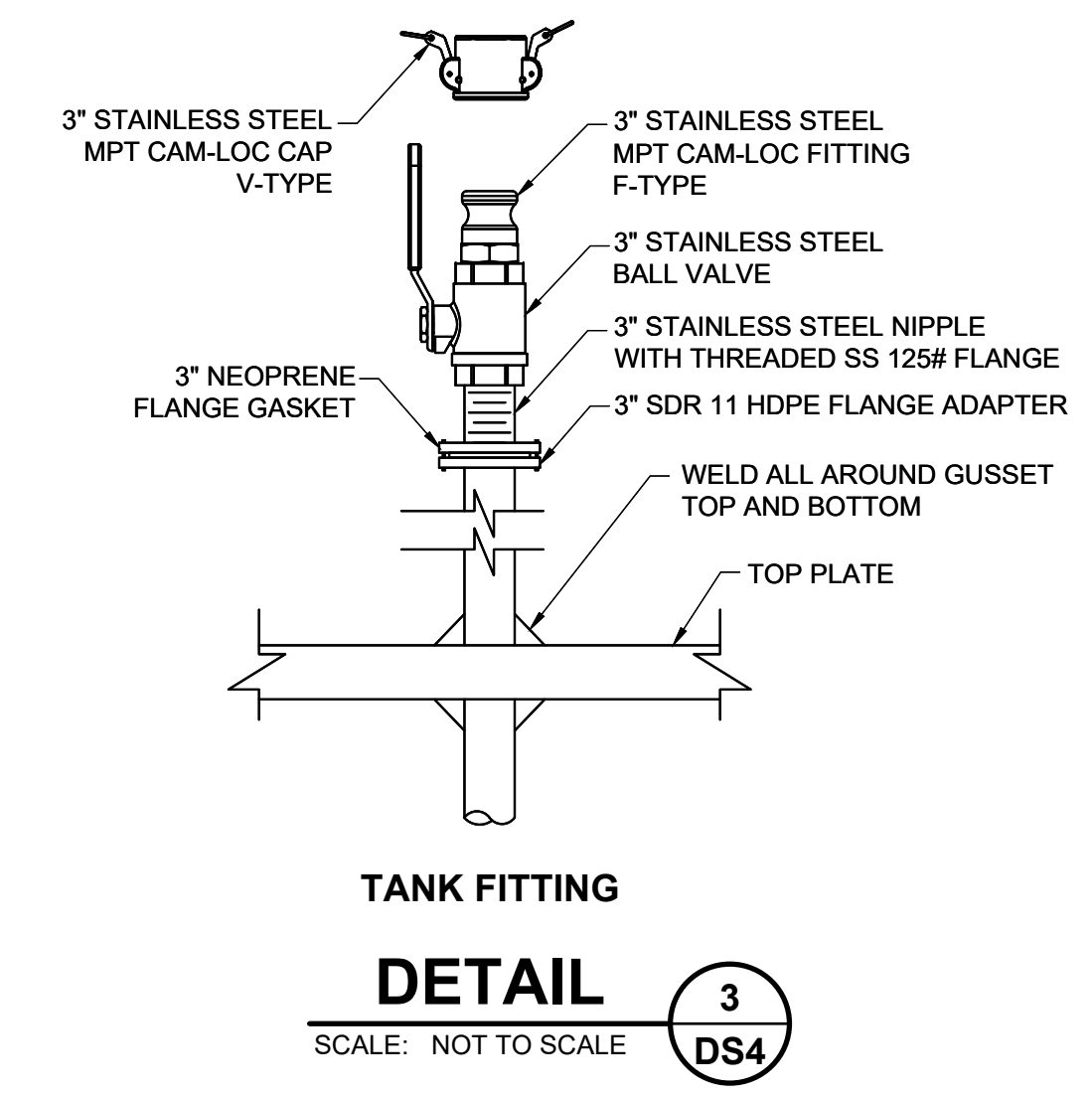




**TOP VIEW**



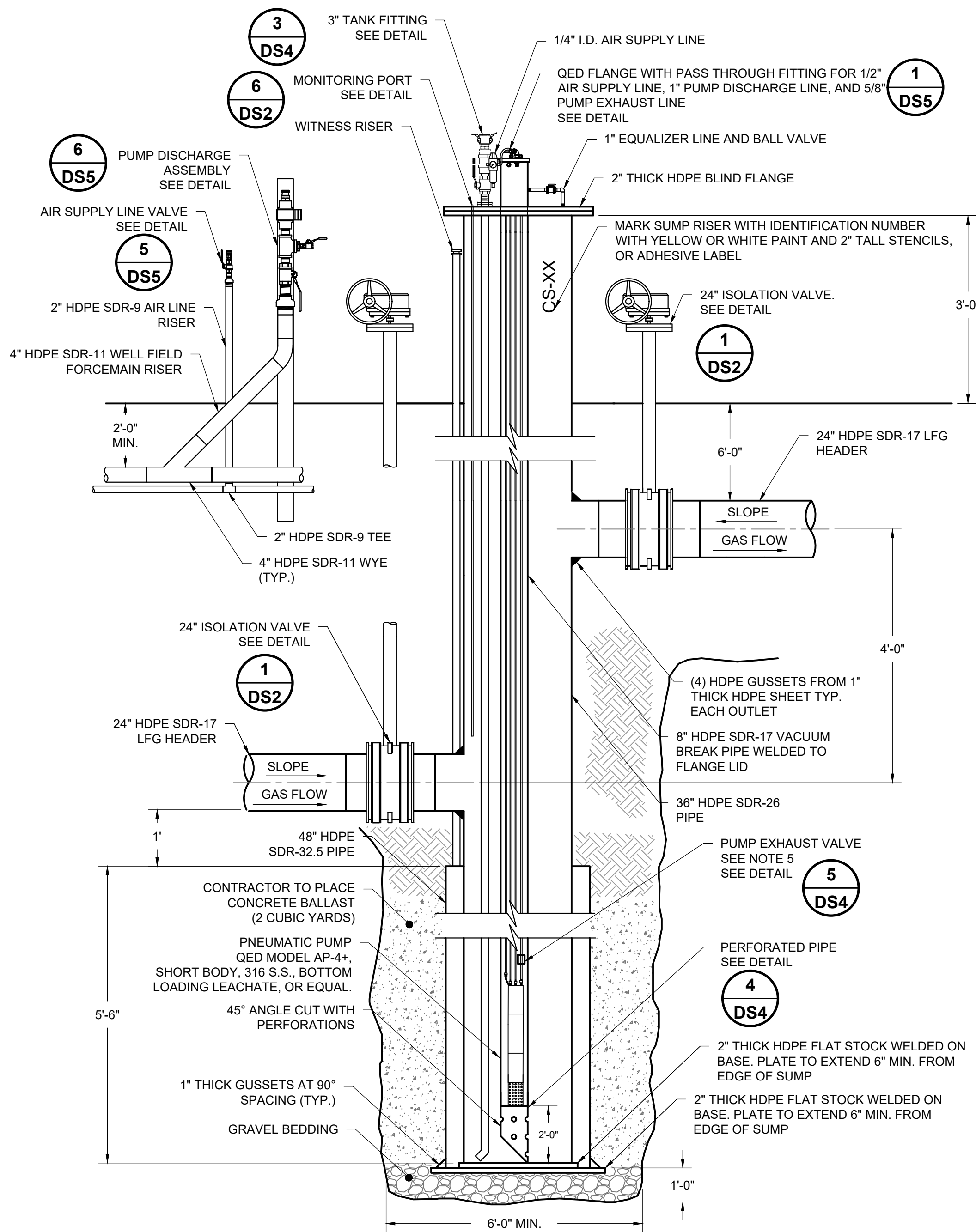
**TOP VIEW**



**TANK FITTING**

**DETAIL 3**

SCALE: NOT TO SCALE DS4



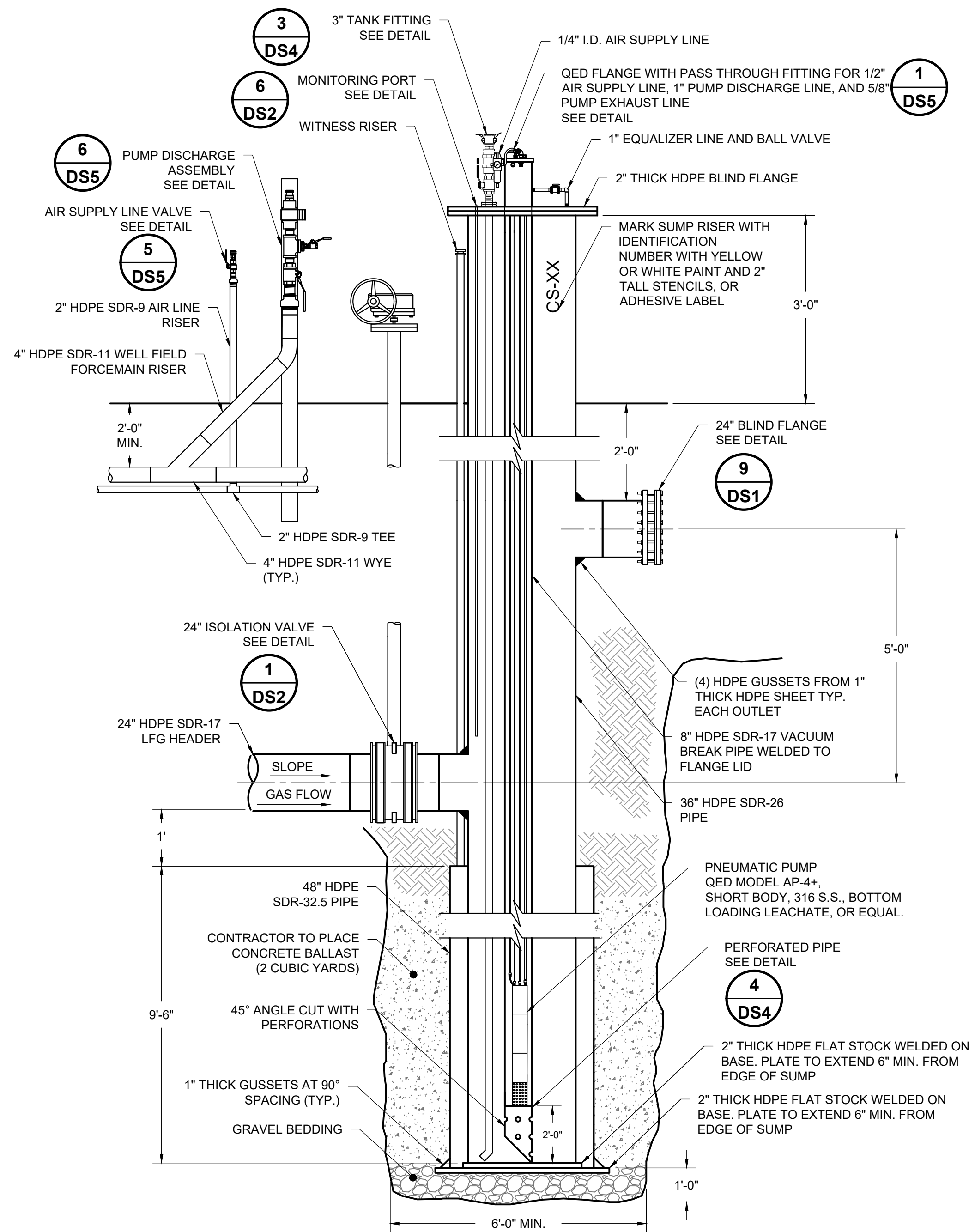
**DUAL CONTAINED CONDENSATE SUMP CS-A**

**DETAIL 1**

SCALE: NOT TO SCALE DS4

**NOTES:**

- 8\"/>
- THOROUGHLY COAT ENTIRE SURFACE OF BOLTS, WASHERS, NUTS AND BACKUP RINGS WITH POLYCOAT RUBBERIZED PRIMER, OR EQUAL, AFTER TIGHTENING BOLTS. WRAP FLANGE IN PLASTIC WRAP PRIOR TO BACKFILLING.
- CONTRACTOR SHALL VERIFY CONDENSATE SUMP CONFIGURATION AND NECESSARY ELEVATIONS IN FIELD. ADJUSTMENTS SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.
- AIRLINE AND FORCEMAIN RISERS SHOWN OFFSET FOR CLARITY. RISERS TO BE INSTALLED WITHIN 6\"/>
- EXHAUST EQUALIZATION VALVE (QED PART # 39716) TO BE INSTALLED IN SUMP CS-A PUMP APPLICATION, TO ALLOW THE PUMP TO FUNCTION PROPERLY UNDER VACUUM WHILE EXHAUSTING TO ATMOSPHERE.



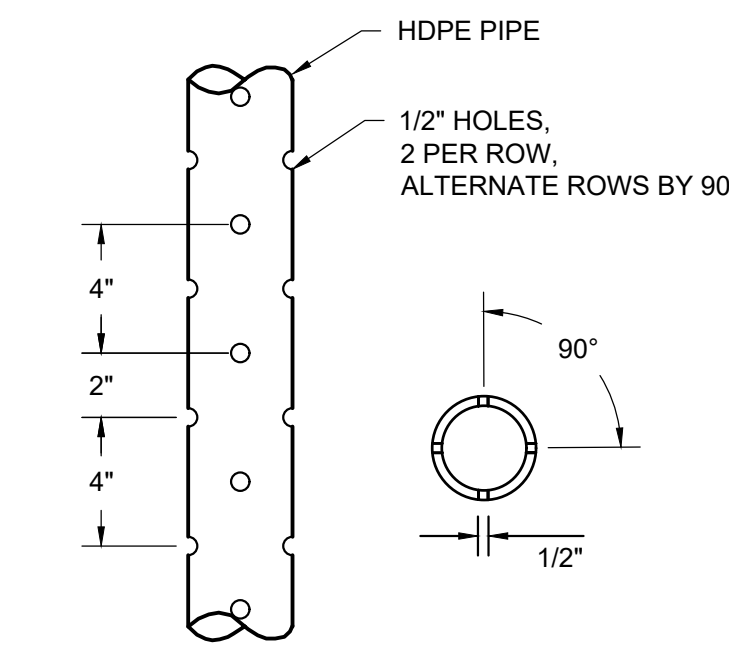
**DUAL CONTAINED CONDENSATE SUMP CS-B**

**DETAIL 2**

SCALE: NOT TO SCALE DS4

**NOTES:**

- 8\"/>
- THOROUGHLY COAT ENTIRE SURFACE OF BOLTS, WASHERS, NUTS AND BACKUP RINGS WITH POLYCOAT RUBBERIZED PRIMER, OR EQUAL, AFTER TIGHTENING BOLTS. WRAP FLANGE IN PLASTIC WRAP PRIOR TO BACKFILLING.
- CONTRACTOR SHALL VERIFY CONDENSATE SUMP CONFIGURATION AND NECESSARY ELEVATIONS IN FIELD. ADJUSTMENTS SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.
- AIRLINE AND FORCEMAIN RISERS SHOWN OFFSET FOR CLARITY. RISERS TO BE INSTALLED WITHIN 6\"/>



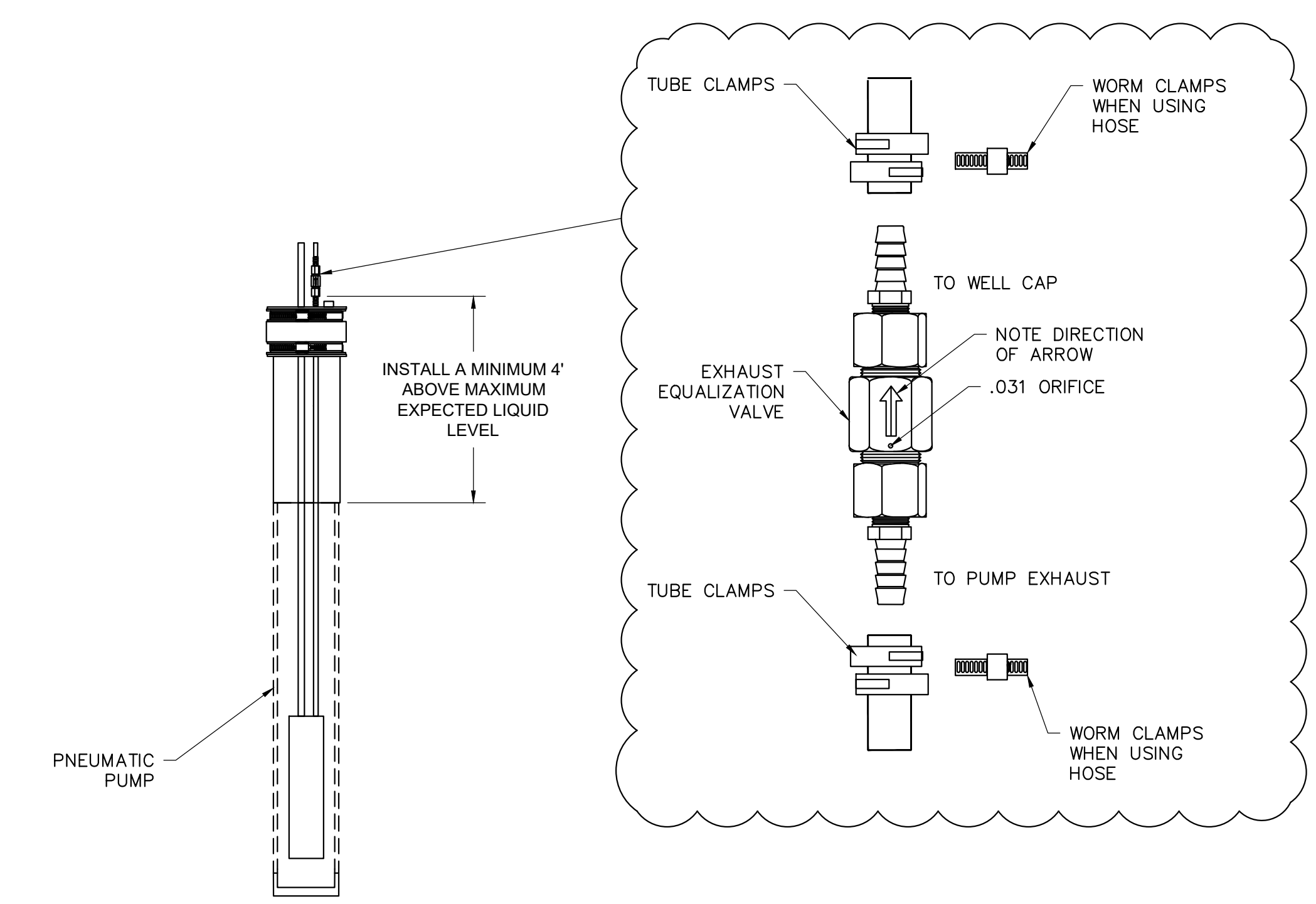
**PERFORATED PIPE**

**DETAIL 4**

SCALE: NOT TO SCALE DS4

**NOTES:**

- PERFORATIONS SPACED 90\"/>
- PERFORATIONS SPACED 4\"/>
- 90\"/>



**EXHAUST EQUALIZATION VALVE**

**DETAIL 5**

SCALE: NOT TO SCALE DS4

**NOTES:**

- EXHAUST EQUALIZATION VALVE (QED PART # 39716) TO BE INSTALLED IN SUMP CS-A PUMP APPLICATION, TO ALLOW THE PUMP TO FUNCTION PROPERLY UNDER VACUUM WHILE EXHAUSTING TO ATMOSPHERE.

**ISSUED FOR BID - ADDENDUM 3**

| REV           | DATE     | DESCRIPTION | DWN BY | DES BY     | CHK BY | APP BY      |     |             |     |
|---------------|----------|-------------|--------|------------|--------|-------------|-----|-------------|-----|
| DATE OF ISSUE | 04/23/25 | DRAWN BY    | JRD    | CHECKED BY | JPS    | DESIGNED BY | JPS | APPROVED BY | JGW |



SOLID WASTE AUTHORITY OF CENTRAL OHIO  
FRANKLIN COUNTY SANITARY LANDFILL  
GROVE CITY, OHIO

2025 GCCS CONSTRUCTION  
DETAILS

SHEET NO.  
**DS4**

PROJECT NO.  
208-4251360

File: C:\Users\jgibbs-1\OneDrive\Documents\TetraTech\2025\GCCS\2025\GCCS2025.dwg, Layer: 0004, User: jgibbs, Date: 04/23/25, 11:52am  
 1" = 12' 0"

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## BID SHEET

To the Solid Waste Authority of Central Ohio (“SWACO”), Franklin County, Ohio, to provide the Project as outlined in this RFB and in accordance with the specifications provided; therefore, **EACH BIDDER MUST TAKE NOTICE OF THE FACT THAT EVEN THOUGH ITS BID MAY BE ACCEPTED AND THE DOCUMENTS SIGNED BY THE BIDDER TO WHOM AN AWARD IS MADE AND BY SWACO, THAT NO SUCH AWARD OR SIGNING BY SWACO SHALL BE CONSIDERED A BINDING CONTRACT WITHOUT THE PROPER CERTIFICATE BY THE FISCAL OFFICER OF SWACO INDICATING THAT FUNDS ARE AVAILABLE TO COVER THE COST OF THE WORK TO BE DONE, OR WITHOUT THE APPROVAL OF THE LEGAL COUNSEL OF SWACO AS TO THE FORM OF THE CONTRACT AND ALL THE PERTINENT DOCUMENTS RELATING THERETO HAVING BEEN APPROVED BY SAID LEGAL COUNSEL OF SWACO AND SUCH BIDDER IS HEREBY CHARGED WITH THIS NOTICE.**

The signer of the Bid, as Bidder, also declares that the only person, persons, company or parties interested in this Bid are named in this Bid, that he/she has carefully examined the advertisement, instructions to Bidders, General Conditions, sample contract documents, and all other documents related to this Bid as listed in the “Table of Contents” section of the Request for Bid package; that the Bidder or his/her representative has made such investigation as is necessary to determine the character and extent of the purchase and he/she proposes and agrees that if this Bid be accepted he/she will contract with SWACO to perform all necessary procedures in order to execute SWACO’s purchase within the time period set forth and according to the requirements of SWACO herein and hereinafter set forth for the following prices:

THE BIDDER’S LUMP SUM TOTALS BELOW ARE ITS TOTAL BIDS BASED ON UNIT PRICES. THESE FIGURES ARE FOR INFORMATION ONLY AT THE TIME OF OPENING BIDS. SWACO WILL MAKE THE TABULATION FROM THE UNIT PRICES. IF THERE IS AN ERROR IN THE LUMP SUM TOTAL BY THE BIDDER, IT SHALL BE CHANGED AS ONLY THE LUMP SUM PRICES SHALL GOVERN.

**BID SHEET (CONTINUED)**

This Bid is to provide the Project according to the information provided in the Request for Bid documents.

**Company Name** \_\_\_\_\_

**Bid Tab**

| BID ITEM  | DESCRIPTION                                          | ESTIMATED QUANTITY | UNIT | LABOR | MATERIAL | UNIT PRICE | TOTAL |
|-----------|------------------------------------------------------|--------------------|------|-------|----------|------------|-------|
| Item 100  | Piping<br>Mobilization/Demobilization                | 1                  | LS   | \$    | \$       | \$         | \$    |
| Item 101  | 12" HDPE SDR 17 Pipeline<br>Header/Lateral Trench    | 80                 | LF   | \$    | \$       | \$         | \$    |
| Item 102  | 24" HDPE SDR 17 Pipeline<br>Header/Lateral Trench    | 3,050              | LF   | \$    | \$       | \$         | \$    |
| Item 103  | 2" HDPE SDR 9 Air Line                               | 3,050              | LF   | \$    | \$       | \$         | \$    |
| Item 104  | 3" HDPE SDR 11 Forcemain                             | 150                | LF   | \$    | \$       | \$         | \$    |
| Item 105  | 4" HDPE SDR 11 Forcemain                             | 2,950              | LF   | \$    | \$       | \$         | \$    |
| Item 106  | 12" Tie-in to Existing Blind<br>Flange               | 2                  | EA   | \$    | \$       | \$         | \$    |
| Item 107  | 24" Tie-in to Existing Header<br>Access Riser        | 1                  | EA   | \$    | \$       | \$         | \$    |
| Item 108  | 24" Tie-in to Existing Flange                        | 3                  | EA   | \$    | \$       | \$         | \$    |
| Item 109a | 2" Tie-in to Existing Air Line                       | 2                  | EA   | \$    | \$       | \$         | \$    |
| Item 109b | 3" Tie-in to Existing Air Line                       | 2                  | EA   | \$    | \$       | \$         | \$    |
| Item 110a | 3" Tie-in to Existing Forcemain                      | 2                  | EA   | \$    | \$       | \$         | \$    |
| Item 110b | 3"X6" Tie-in to Existing Dual<br>Contained Forcemain | 2                  | EA   | \$    | \$       | \$         | \$    |
| Item 111  | 12" Blind Flange                                     | 5                  | EA   | \$    | \$       | \$         | \$    |
| Item 112  | 24" Blind Flange                                     | 1                  | EA   | \$    | \$       | \$         | \$    |
| Item 113  | 12" Header Isolation Valve                           | 2                  | EA   | \$    | \$       | \$         | \$    |
| Item 114  | 24" Header Isolation Valve                           | 5                  | EA   | \$    | \$       | \$         | \$    |
| Item 115  | 2" Air Line Isolation Valve                          | 4                  | EA   | \$    | \$       | \$         | \$    |
| Item 116  | 4" Forcemain Isolation Valve                         | 4                  | EA   | \$    | \$       | \$         | \$    |
| Item 117  | 4" Cleanout Risers                                   | 6                  | EA   | \$    | \$       | \$         | \$    |
| Item 118  | 12" Header Access Riser                              | 9                  | EA   | \$    | \$       | \$         | \$    |
| Item 119  | 24" Header Access Riser                              | 2                  | EA   | \$    | \$       | \$         | \$    |

*Continued on next page*

**Bid Tab** (Continued)

| BID ITEM     | DESCRIPTION                              | ESTIMATED QUANTITY | UNIT | LABOR              | MATERIAL           | UNIT PRICE         | TOTAL              |
|--------------|------------------------------------------|--------------------|------|--------------------|--------------------|--------------------|--------------------|
| Item 120     | Dual Contained Condensate Sump           | 2                  | EA   | \$                 | \$                 | \$                 | \$                 |
| Item 121     | Anti-Seep Collar                         | 1                  | EA   | \$                 | \$                 | \$                 | \$                 |
| Item 122     | <del>Road Crossing</del>                 | 60                 | LF   | <del>\$-----</del> | <del>\$-----</del> | <del>\$-----</del> | <del>\$-----</del> |
| Item 123     | Relocation of Existing Concrete Drop Box | 2                  | EA   | \$                 | \$                 | \$                 | \$                 |
| Item 124     | Miscellaneous Fittings                   | 1                  | LS   | \$                 | \$                 | \$                 | \$                 |
| Item 125     | Site Restoration                         | 1                  | LS   | \$                 | \$                 | \$                 | \$                 |
| Item 201     | Water Truck                              | 60                 | Day  | \$                 | \$                 | \$                 | \$                 |
| <b>TOTAL</b> |                                          |                    |      |                    |                    |                    | <b>\$</b>          |

[Write out the Total Bid Amount below]

---



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Proposed Project Start Date: \_\_\_\_\_

Proposed Project Completion Date: \_\_\_\_\_

*Must be completed no later than October 15, 2025  
Duration not to exceed twelve (12) weeks*

Submitted this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

By: \_\_\_\_\_  
*Authorized Signature*

---

## Bidder's Representative

Contact Person for this Bid \_\_\_\_\_

Title \_\_\_\_\_

E-mail Address \_\_\_\_\_

Company Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone Number \_\_\_\_\_ Fax Number \_\_\_\_\_

Mobile Number \_\_\_\_\_

Attach additional paperwork if necessary.

If Bidder is:

**An Individual**

By: \_\_\_\_\_  
(Individual's signature)

\_\_\_\_\_  
(Printed or typed name of individual)

Doing business as: \_\_\_\_\_

License or Registration Number: \_\_\_\_\_

Business Address: \_\_\_\_\_

Phone No. \_\_\_\_\_ Fax No.: \_\_\_\_\_

~~~~~

A Partnership

By: _____
(Firm name)

(General partner's signature)

(Printed or typed name of general partner) (Attach evidence of authority to sign.)

License or Registration Number: _____

Business Address: _____

Phone No. _____ Fax No.: _____

~~~~~

**A Corporation**

By: \_\_\_\_\_  
(Corporation name)

\_\_\_\_\_  
(State of incorporation)

By: \_\_\_\_\_  
(Signature of officer authorized to sign)

\_\_\_\_\_  
(Printed or typed name and title of officer authorized to sign. Attach evidence of authority to sign.)

(CORPORATE SEAL)

Attest: \_\_\_\_\_  
(Secretary)

License or Registration Number: \_\_\_\_\_

Business Address: \_\_\_\_\_

Phone No. \_\_\_\_\_ Fax No.: \_\_\_\_\_

~~~~~

Limited Liability Company

By: _____
(Firm name)

(State of formation)

By: _____
(Signature of member authorized to sign)

(Printed /typed name and title of authorized member. Attach evidence of authority to sign.)

License or Registration Number: _____

Business Address: _____

Phone No. _____ Fax No.: _____

~~~~~

**A Joint Venture**

Joint Venture Name: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed or Typed Name) (Title)

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed or Typed Name) (Title)

\_\_\_\_\_  
(Address)

Phone and fax number and address for receipt of communications to joint venture:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Each joint venturer must sign. The manner of signing for each individual, partnership, corporation or limited liability company that is a party to the joint venture shall be in the manner indicated above).

++ END OF BID FORM ++