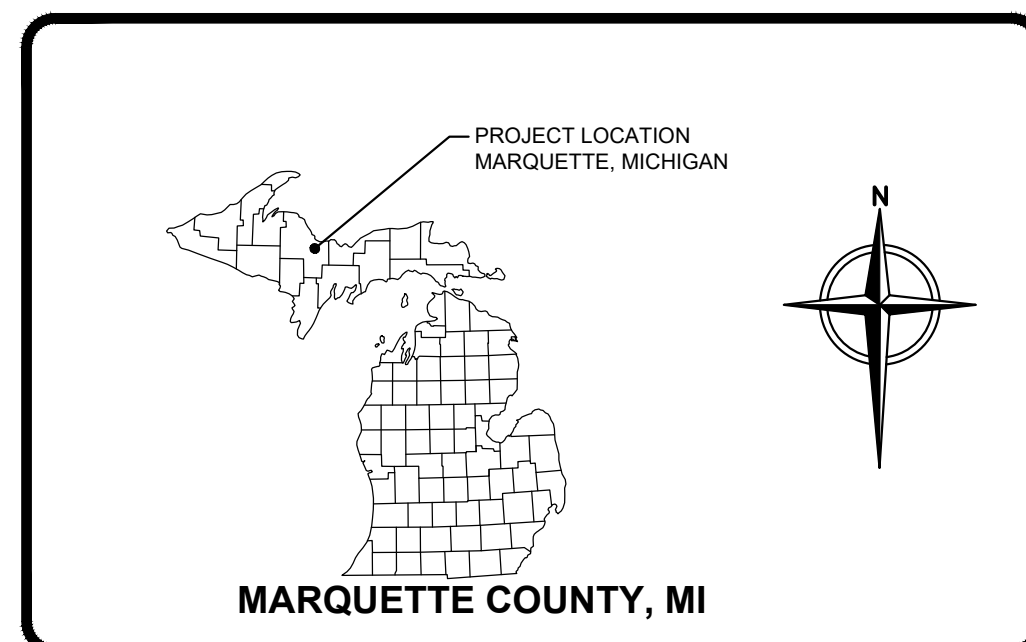


CONSTRUCTION PLANS FOR THE MCSWMA LANDFILL LEACHATE IMPROVEMENTS

PREPARED FOR
**MARQUETTE COUNTY SOLID WASTE
MANAGEMENT AUTHORITY**
MARQUETTE, MICHIGAN
MAY 2025

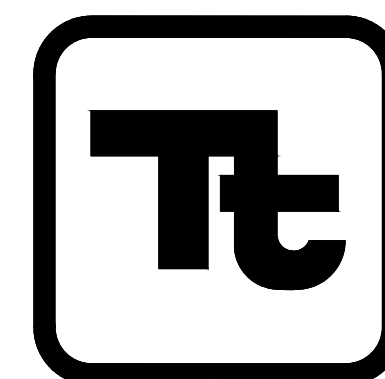


INDEX OF DRAWINGS	
0	COVER SHEET
1	SITE PLAN
2	DETAILS 1
3	DETAILS 2
4	STAKING PLAN



LOCATION MAPS

PREPARED BY:

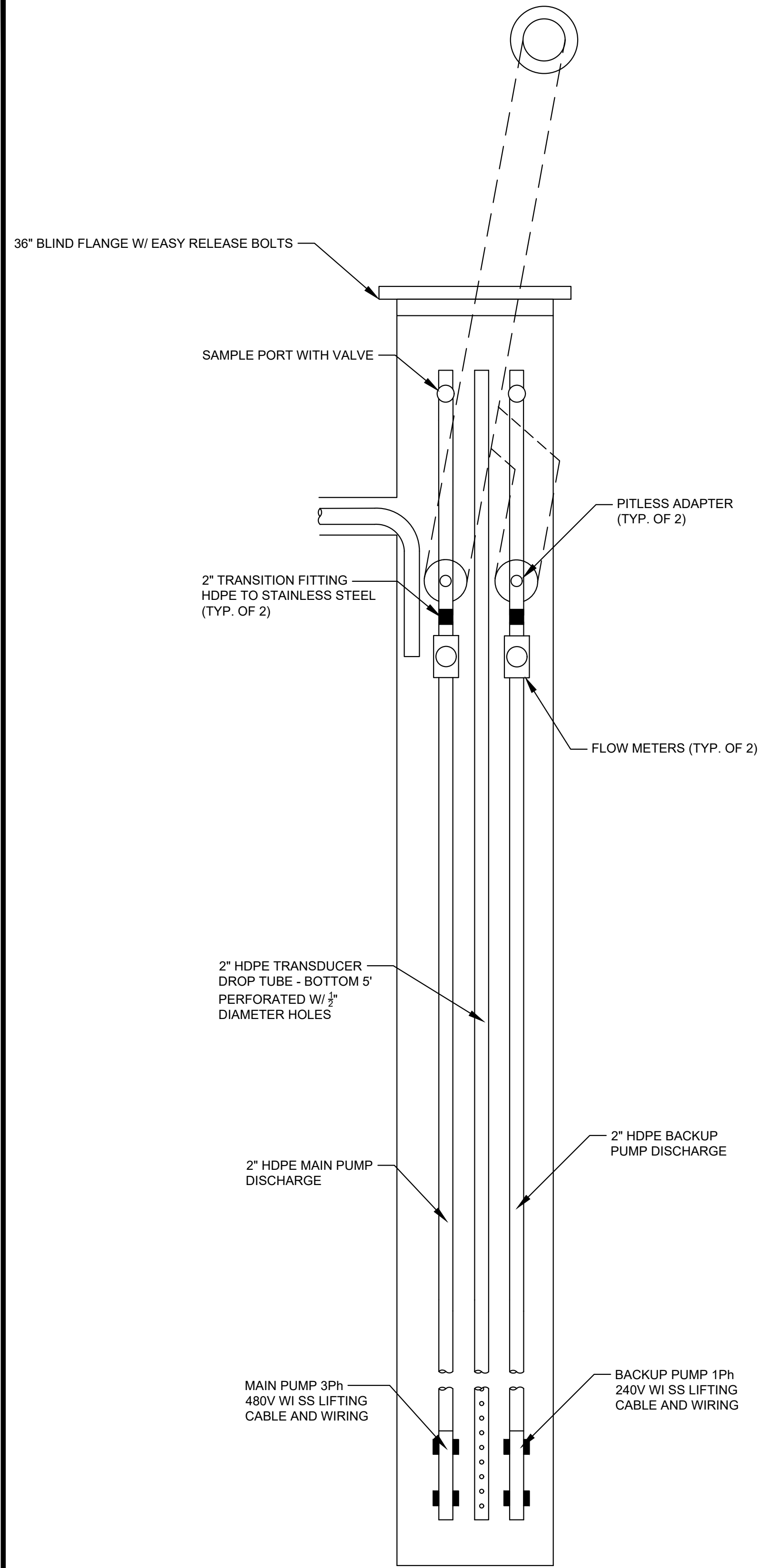


TETRA TECH

39395 WEST TWELVE MILE ROAD
SUITE 103
FARMINGTON HILLS, MICHIGAN 48331
Tel: (877) 633-5520
Fax (248) 994-5456

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PROJECT NO. 209-4251524

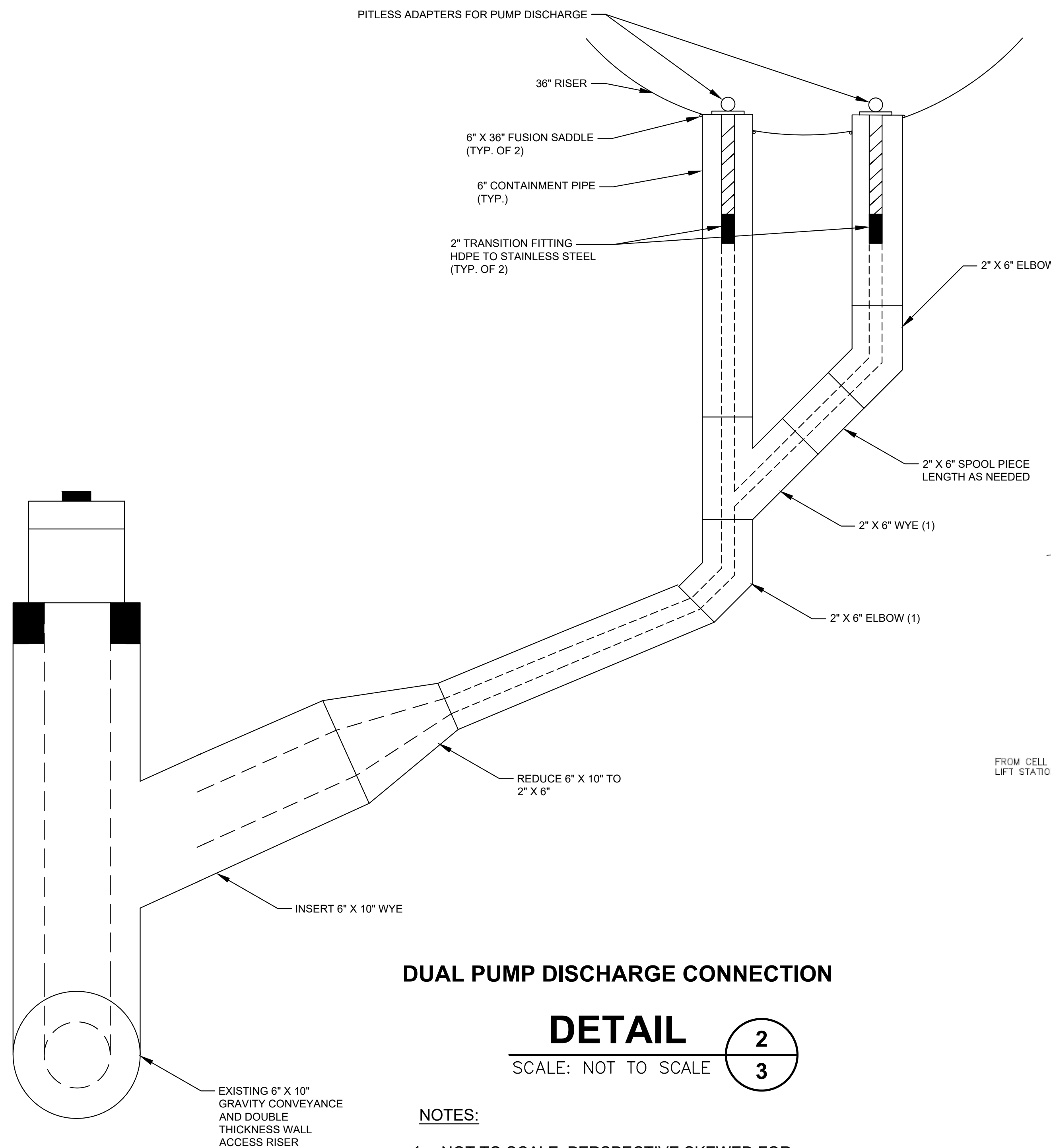


PRIMARY SUMP RISER

DETAIL

SCALE: NOT TO SCALE

1
3



DUAL PUMP DISCHARGE CONNECTION

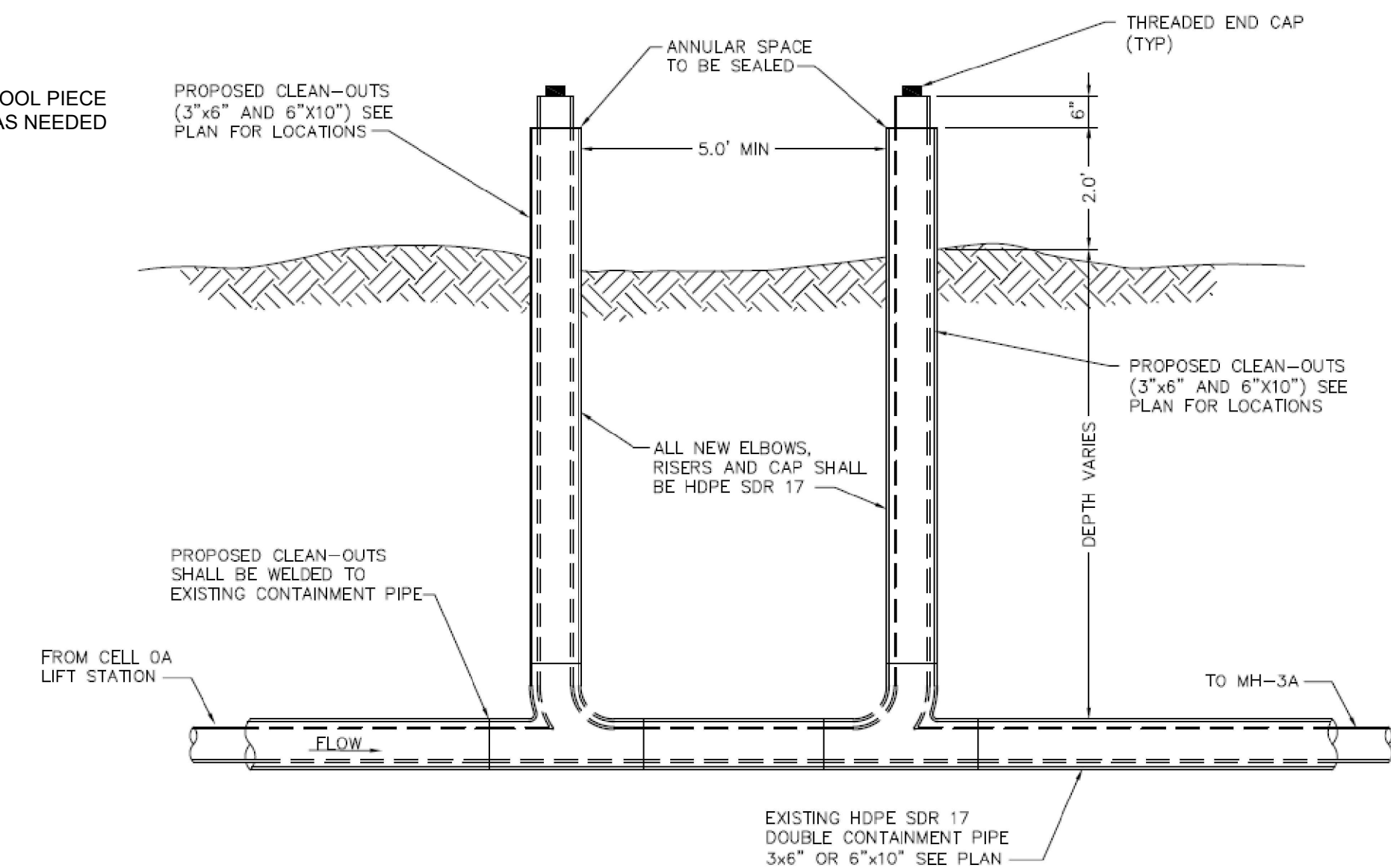
DETAIL

SCALE: NOT TO SCALE

2
3

NOTES:

1. NOT TO SCALE: PERSPECTIVE SKEWED FOR CLARITY.



FORCEMAIN CLEANOUT RISERS

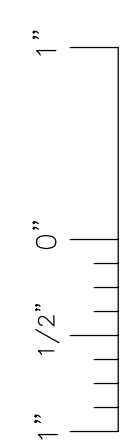
DETAIL

SCALE: NOT TO SCALE

3
3

NOTES:

1. CONTRACTOR SHALL MITIGATE ANY LEACHATE SPILLED DURING INSTALLATION OF CLEANOUT LOCATIONS. MITIGATION SHALL INCLUDE REMOVAL OF LIQUID AND IMPACTED SOIL TO THE ACTIVE AREA OF THE LANDFILL.
2. ASSUME A BURIAL DEPTH OF FOUR FEET FOR EXISTING LINE. EXISTING 3"x6" FORCEMAIN AND THE 6"x10" GRAVITY DISCHARGE PIPES FROM CELL 0A ARE BURIED SIDE BY SIDE IN THE SAME TRENCH.
3. IF THE GRAVITY DISCHARGE LINE IS BENEATH THE ROAD THE RISER PIPES SHALL BE LOCATED OUTSIDE OF THE ROAD LIMITS.



File: F:\PROJECTS\MARQUETTE COUNTY\251524 Leachate Pipe Best April 2025 Planset\DETAILS_REV.dwg Layout: SHEET 2 User: Cooper/Abel May 28, 2025 - 1:54pm

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REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY



MARQUETTE COUNTY
SOLID WASTE MANAGEMENT AUTHORITY
MARQUETTE, MICHIGAN

DETAILS

SHEET NO.
3

PROJECT NO.
209-4251524

1" 1/2" 0"

File: F:\PROJECTS\MARQUETTE COUNTY\251524 Leachate Pipe Best\April 2025 Plans\STAKING PLAN.dwg Layout: 34x22 User: Cooper/abel May 25, 2025 - 1:54pm

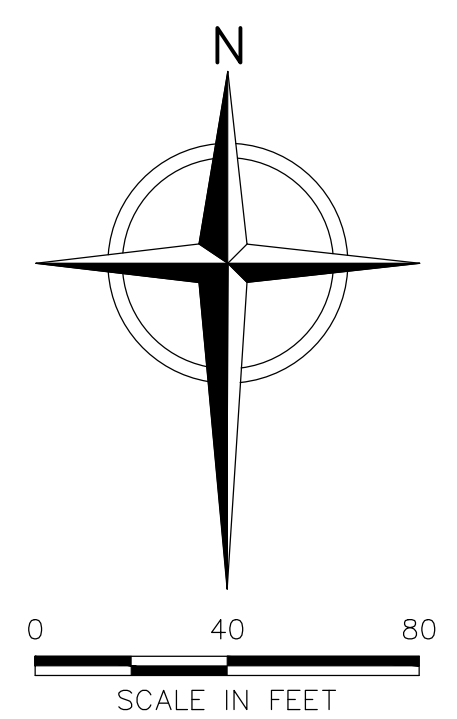


LEGEND

- PROPERTY BOUNDARY
- - - PERMITTED SOLID WASTE BOUNDARY
- - - CELL BOUNDARY
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- PROPOSED 2' CONTOUR
- PROPOSED 10' CONTOUR
- ▨ EXISTING BUILDING
- - - EXISTING ROAD
- x x EXISTING FENCE
- E E EXISTING UNDERGROUND ELECTRIC
- - - EXISTING LEACHATE PIPE
- ← ← ← EXISTING LEACHATE DISCHARGE PIPE
- EXISTING CULVERT
- WTR EXISTING GROUNDWATER DISCHARGE PIPE
- ⊙ EXISTING POWER POLE
- ← ← ← FUTURE DRAINAGE CHANNEL
- FUTURE DISCHARGE PIPE
- x x FUTURE GUARDRAIL
- FUTURE SINGLE WALLED FORCE MAIN
- FUTURE DOUBLE WALLED FORCE MAIN
- PROPOSED CLEANOUT LOCATIONS

- NOTES:**
- TOPOGRAPHIC INFORMATION WAS PROVIDED BY MARQUETTE COUNTY SOLID WASTE MANAGEMENT AUTHORITY (MCSWMA) DATED APRIL 25, 2024.
 - ASSUME BURIAL DEPTH OF FOUR FEET FOR EXISTING LEACHATE LINES

Point Number	Northing	Easting	Description
1	853.1	-533.7	3x6 Forcemain Cleanout
2	853.1	-533.7	6x10 Cleanout
3	799.3	-140.8	3x6 Forcemain Cleanout
4	799.3	-140.8	6x10 Cleanout
5	853.6	398.9	Building to be removed
6	853.0	408.9	Building to be removed
7	848.1	398.6	Building to be removed
8	847.3	408.5	Building to be removed



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REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE: MAY 2025
 DRAWN BY: CDA
 DESIGNED BY: CDA
 CHECKED BY: JEB
 APPROVED BY: JEB

TETRA TECH

ALL PROFESSIONAL ENGINEERING WORK IS PERFORMED BY FULLY LICENSED PROFESSIONAL ENGINEERS UNDER THE APPROPRIATE STATE REGISTERED PROFESSIONAL ENTITY.

MARQUETTE COUNTY
 SOLID WASTE MANAGEMENT AUTHORITY
 MARQUETTE, MICHIGAN

STAKING PLAN

SHEET NO.
4
 PROJECT NO.
 209-4251524