

SOIL VAPOR EXTRACTION AND AIR SPARGE REMEDIATION SYSTEM

FORMER PETRO 220
2nd ST & BROADWELL AVE
GRAND ISLAND, NEBRASKA
NDEQ NO. UG# 120594-CT-1005
IIS# 59383



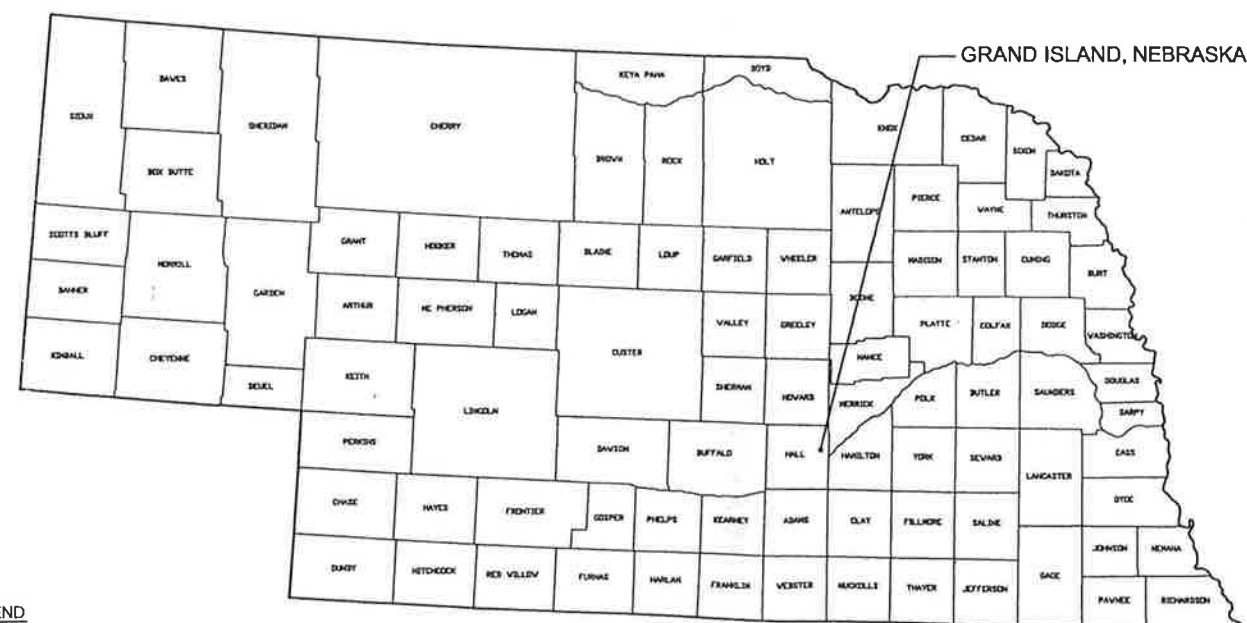
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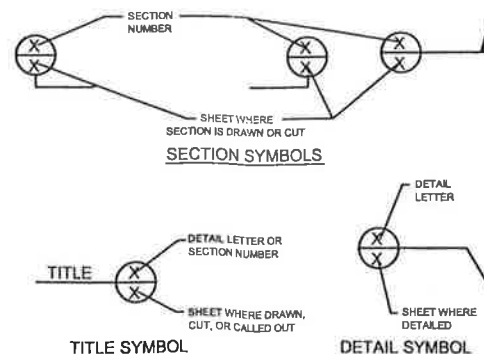
Nebraska Dept of Environmental Quality
By: _____ DEQ# 195 _____



PROJECT LOCATION

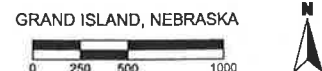


SYMBOLS LEGEND



INDEX OF DRAWINGS

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 DATE: Sep 23, 2010 2:33pm XREFS:



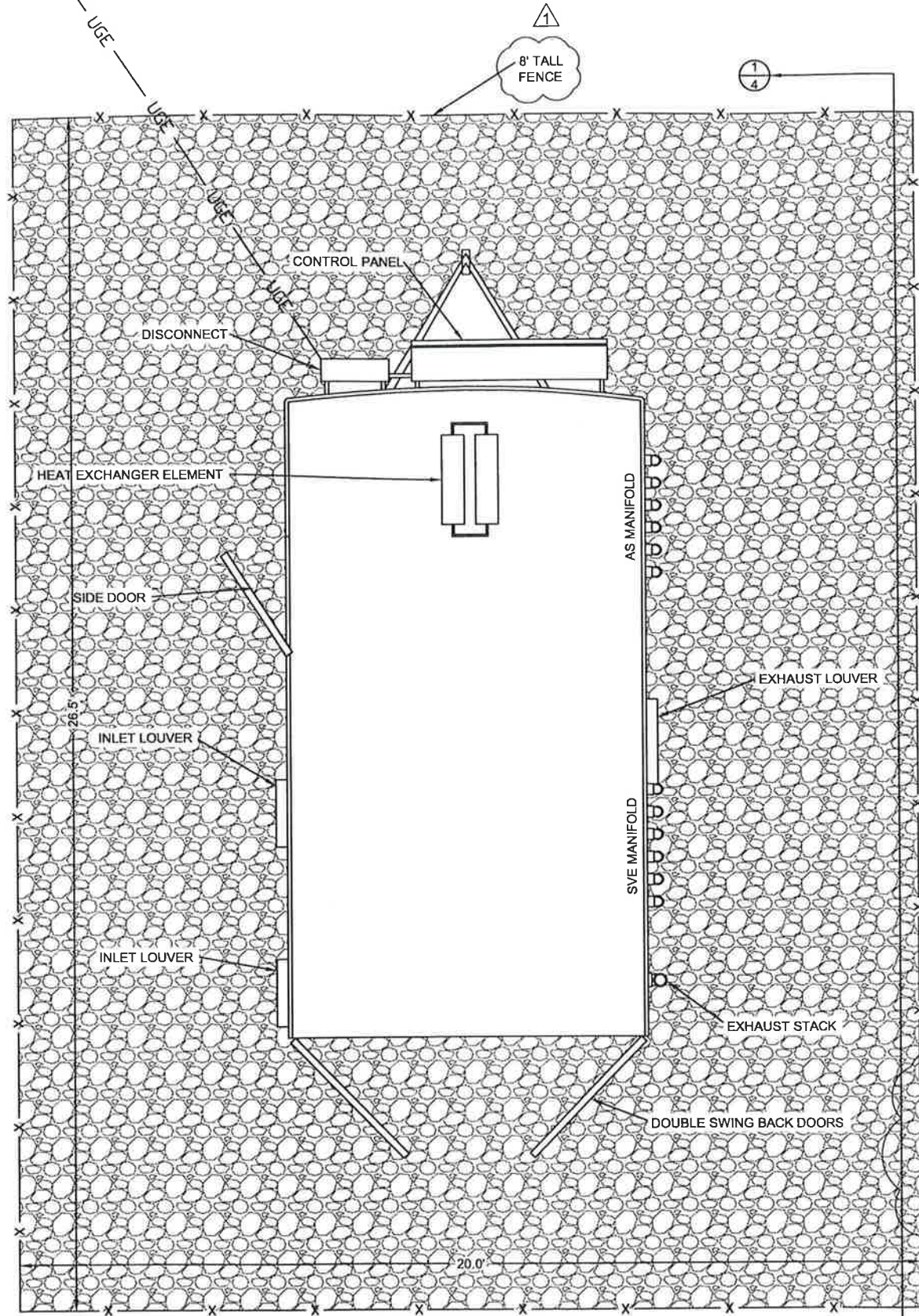
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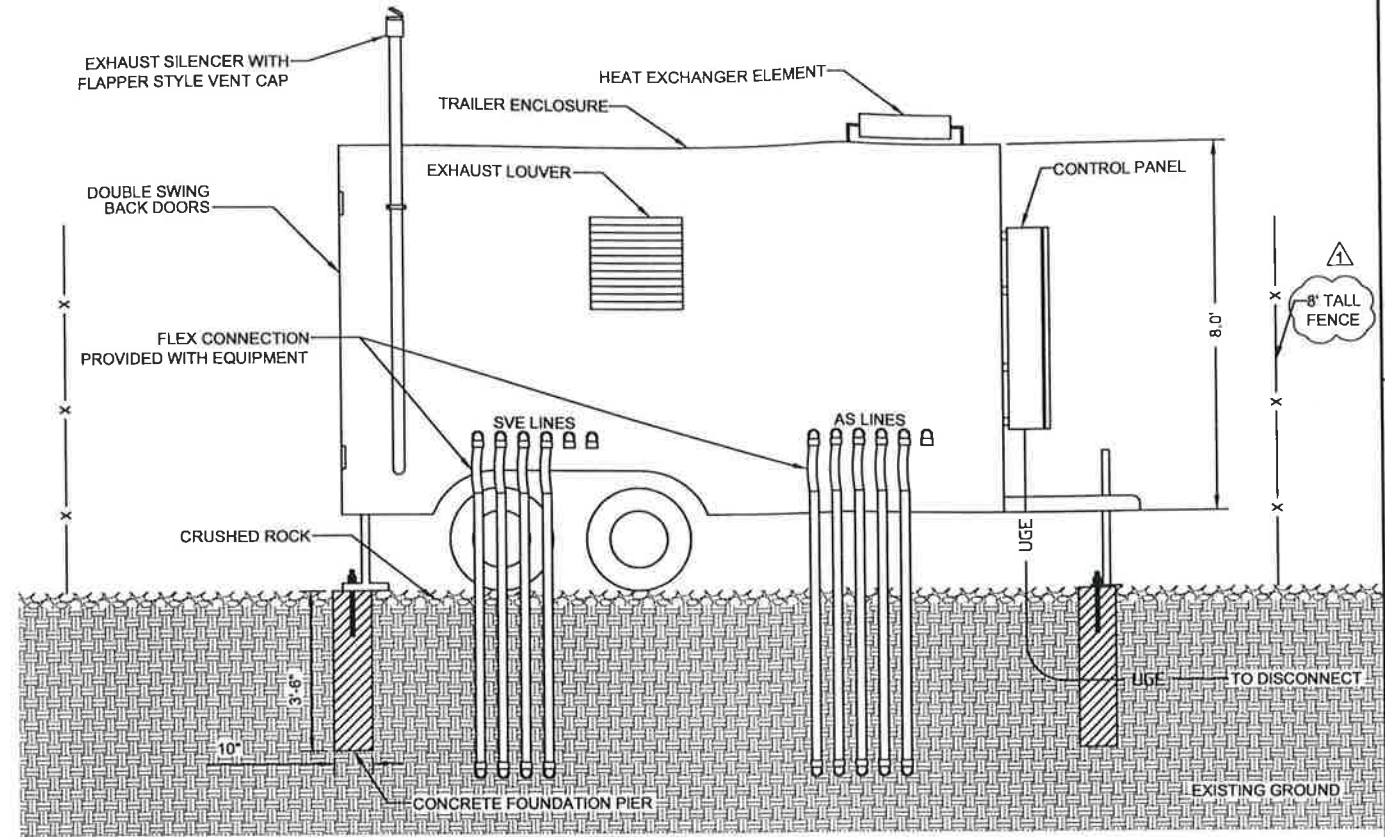
COVER SHEET
 SOIL VAPOR EXTRACTION AND AIR
 SPARGE REMEDIATION SYSTEM
 GRAND ISLAND, NEBRASKA

drawn by: _____
 checked by: _____
 QA/QC by: _____
 project no.: 004-0838
 drawing no.: _____
 date: 09.24.10

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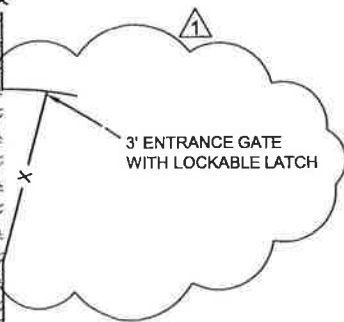
PLAN VIEW
 NOT TO SCALE



1 PROFILE VIEW
 4 NOT TO SCALE

NOTES:

1. THE PIPING LOCATION TO THE AS MANIFOLD AND SVE MANIFOLD IS TYPICAL, VERIFY UPON RECEIPT OF THE TRAILER.
2. SECURE TRAILER JACKSTANDS TO 3 CONCRETE PIERS: ONE AT EACH REAR CORNER AND ONE AT THE TRAILER TONGUE. EXTEND JACKS TO TAKE PRESSURE OFF THE TIRES, LEVEL THE TRAILER TO PREVENT DIFFERENTIAL SETTLEMENT IN CASE OF FLAT TIRE.
3. CONTRACTOR TO INSTALL 3" STEEL EXHAUST STACK TO 12' ABOVE GROUND LEVEL, STUBBED THROUGH TRAILER SIDE AND ANCHORED TO TRAILER.
4. FOR SURFACE COVER WITHIN FENCED AREA: REMOVE VEGETATION AND PROVIDE BLACK POLYPROPYLENE WEED BARRIER SHEET 27 MILS THICK, 4OZ./SQ. YD., COVERED BY 4" CRUSHED ROCK.



FENCE DETAIL
 NOT TO SCALE

NOTE: SEAL WOOD WITH CLEAR SEALANT.



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1	10/01/10	ADDED NOTES AND CHANGED GATE SIZE

REVISIONS

REMEDIATION BUILDING LAYOUT

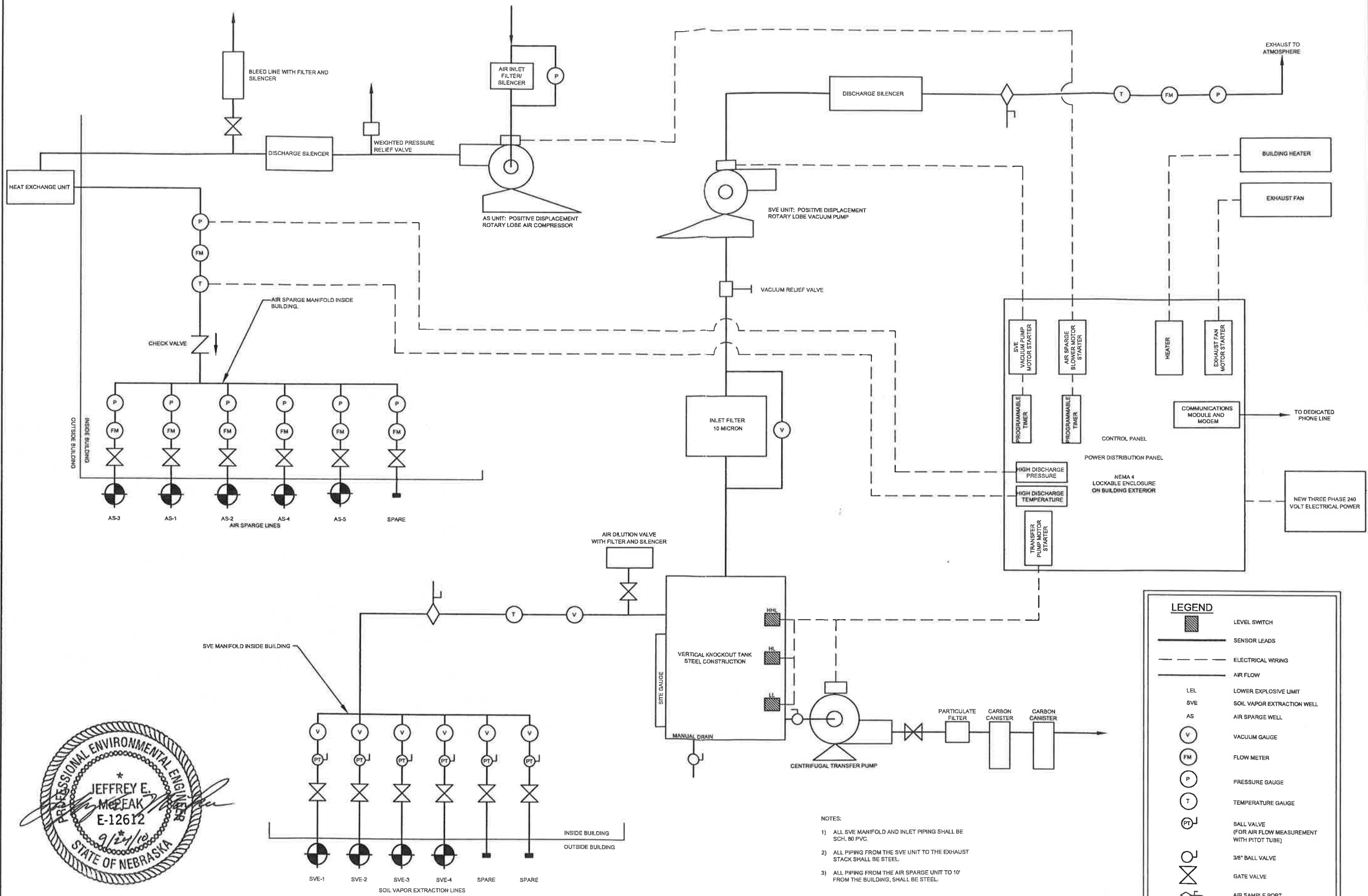
SOIL VAPOR EXTRACTION AND AIR SPARGE REMEDIATION SYSTEM

GRAND ISLAND, NEBRASKA

2010

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 approved by: RB
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 DATE: Sep 23, 2010 2:35pm
 USER: rdoty



- NOTES:
- 1) ALL SVE MANIFOLD AND INLET PIPING SHALL BE SCH. 80 PVC
 - 2) ALL PIPING FROM THE SVE UNIT TO THE EXHAUST STACK SHALL BE STEEL
 - 3) ALL PIPING FROM THE AIR SPARGE UNIT TO 10' FROM THE BUILDING, SHALL BE STEEL

LEGEND

	LEVEL SWITCH
	SENSOR LEADS
	ELECTRICAL WIRING
	AIR FLOW
LEL	LOWER EXPLOSIVE LIMIT
SVE	SOIL VAPOR EXTRACTION WELL
AS	AIR SPARGE WELL
	VACUUM GAUGE
	FLOW METER
	PRESSURE GAUGE
	TEMPERATURE GAUGE
	BALL VALVE (FOR AIR FLOW MEASUREMENT WITH PITOT TUBE)
	3/8" BALL VALVE
	GATE VALVE
	AIR SAMPLE PORT

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PROCESS SCHEMATIC

SOIL VAPOR EXTRACTION AND AIR SPARGE REMEDIATION SYSTEM

GRAND ISLAND, NEBRASKA

REV. NO.	DATE	REVISIONS DESCRIPTION

2010

SHEET
7 of 7

drawn by: RD
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