

ENTRY PERMIT

TARTE AND AND & PARTY & SIDERWISOR HAVE BE TRAINED FOR PERMIT SPACE ENTRY? (YES OR NO)

	CONTROLS/EQUIPMENT: Check all that apply
Perniil Space Location:	□ ISOLATION □ LOCKOUT/TAGOUT
Purpose of Entry:	☐ BLANKING/BLINDING ☐ DOUBLE BLOCK AND BLEED ☐ HAVE DOUBLE ALIGNMENT
Entry Permit Valid For: Date: to: Date:	☐ LINE BREAKING/MISALIGNMENT ☐ OTHER
Time: to: Time:	□ INERTING
	☐ PURGE/CLEAN
PERMIT SPACE HAZARDS	☐ METHODS FOR SAFE COVER REMOVAL AND SECURING AREA
ATMOSPHERIC YES NO	☐ ATMOSPHERIC TESTING
Oxygen Deficiency	Periodic (Give interval)
Oxygen Enrichment Explosive (Gas/Vapor)	☐ (onlinuous
Explosive Dust	□ VENTILATION □ Notural
Carbon Monoxide	Continuous forced air
Hydrogen Sulfide	☐ Local Exhaust
ENGULFMENT	☐ ENTRY EQUIPMENT
CONFIGURATION (ENTRAPMENT)	☐ Ladders
MECHANICAL ELECTRICAL	Other
SUBSTANCE HAZARDOUS TO SKIN OR EYES HEAT STRESS	☐ PERSONAL PROTECTIVE EQUIPMENT
HEAT STRESS 🗅 🗆	☐ Respiratory ☐ SCBA
OTHER POTENTIAL HAZARDS	□ SAR'
(e.g. rodiation, noise, etc.)	☐ Air Punifying
	Protective dothing (specify)
	☐ Eye and face protection
PERSONNEL	Hearing protection
Entrant(s) Time In Time Out	☐ RESCUE AND RETRIEVAL EQUIPMENT
anti-	☐ Full body harness☐ Lifeline
	☐ Tripod w/ mechanical winch
	☐ Explosion proof lighting
Attendant(s)	MON-SPARKING TOOLS
nity Supervisor(s)	☐ INTRINSICALLY SAFE ELECTRICAL EQUIPMENT & GFCI
any soportion (s)	☐ COMMUNICATION EQUIPMENT
	☐ COMMUNICATION EQUIPMENT ☐ Rodio
COMMUNICATION PROCEDURES USED by	COMMUNICATION EQUIPMENT Radio Phone
	Radio Phone
COMMUNICATION PROCEDURES USED by ENTRANT(S) and ATTENDANTS(S) Check all that apply Visual Rope	Radio Phone Other
COMMUNICATION PROCEDURES USED by ENTRANT(S) and ATTENDANTS(S) Check all that apply Yisuol	Radio Phone Other HOT WORK PERMIT
COMMUNICATION PROCEDURES USED by ENTRANT(S) and ATTENDANTS(S) Check all that apply Visual	Radio Phone Other HOT WORK PERMIT FIRE EXTINGUISHERS
COMMUNICATION PROCEDURES USED by ENTRANT(S) and ATTENDANTS(S) Check all that apply Visual	Radio Phone Other HOT WORK PERMIT FIRE EXTINGUISHERS Y PERSONNEL? (YES OR NO)
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COMMUNICATION PROCEDURES USED by ENTRANT(S) and ATTENDANTS(S) Check all that apply Visuol	Radio Phone Other HOT WORK PERMIT FIRE EXTINGUISHERS Y PERSONNEL? (YES OR NO)

APPENDIX Q - ENTRY PERMIT FORM

ENTRY PERMIT, continued from front

OXYGEN EXPLOSIVE(GAS/VAPOR EXPLOSIVE DUST CARBON MONOXIDE	19.5% - 23.5%		(Time)	NTRY READIN (Reading)	(Time)	(Readling)	ENTRY RI (Time)	(Reading)	(Time)
XPLOSIVE DUST					· <u> </u>	· 	11		
) < 10%, LFL	`		<u> </u>	: <u>-</u>	· 			
ARBON MONOXIDE	< LFL (5 Ft. Visibility)				-				
	50 ppm		<u> </u>	·	· · · · · · · · · · · · · · · · · · ·	· · · · · ·	•	<u> </u>	·
TYDROGEN SULFIDE	10 ppm			· · <u> </u>	<u> </u>	. 			<u>.</u>
· ·					<u> </u>		· <u>· · · · · · · · · · · · · · · · · · </u>		<u>:</u> :
			•						
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e.g. HEAT STRESS)				•					·
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NAME			•				TIME		
SIGNATURE		<u> </u>					DATE		
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NAME							•	N. S.	
NAME Signature Reason for cand		ed					•	i Ne	-

DEFINITIONS

Confined Space – A space that:

- (a) Is large enough and so configured that an employee can bodily enter and perform assigned work; and
- (b) Has limited or restricted means for entry or exit; and
- (c) Is not designed for continuous employee occupancy.

Permit Required Confined Space (PRCS) - A confined space that:

- (a) Contains or has a potential to contain a hazardous atmosphere; or
- (b) Contains a material that has the potentials for engulfing an entrant; or
- (c) Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls or by a floor which slopes downward and tapers to a smaller cross section; or
- (d) Contains any other recognized serious safety or health hazard.

Acceptable Entry Conditions – The conditions that must exist in a permit space to allow entry and to ensure employees can safely enter into and safely work within a permit required confined space.

Acute exposures - Exposures, which occur for relatively short periods of time, generally

minutes to 1-2 days. Concentrations of toxic air contaminants are high relative to there

protection criteria. In addition to inhalation, airborne substances might directly contact the skin, or liquids and sludges may be splashed on the skin or into the eyes, leading to toxic effects.

Atmosphere - Refers to the air within a confined space. It should be clean, breathable air

with enough oxygen for personnel to be able to enter the area, work and breathe.

Attendant - An individual stationed outside the permit-required confined space who is trained as required by this program and who monitors the authorized entrants inside the permit-required confined space and performs all attendant's duties assigned in the SUNY Fredonia Confined Space Entry Program.

Authorized Entrant - An employee who is trained as required by this program and is authorized by SUNY Fredonia to enter a permit-required confined space.

Ceiling Level - The maximum airborne concentration of a toxic agent to which an employee may be exposed for a specified period of time, usually 15 minutes. At no time must the exposure level exceed the ceiling concentration as listed in 29 CFR Part 1910 Sub Part Z.

Combustible Dust - A dust capable of undergoing combustion or burning when subjected to a source of ignition.

Contaminant - Any organic or inorganic substance, dust, fume, mist, vapor, or gas, the presence of which in air can be harmful to human beings.

Entry – The action by which a person passes through an opening into a permit required confined space. Entry is considered to occur as soon as any part of the entrant's body breaks the plane of an opening into the space. NOTABLE EXCEPTION: With the approval of the Department Supervisor, you may reach into a space, and not bodily enter (say to adjust a valve), and do so without an entry permit being required as long as there is NO risk of falling into or otherwise entering the permit space.

Entry Permit – The written or printed document provided by SUNY Fredonia to allow and control entry into a permit space.

Entry Supervisor – The person responsible for determining if acceptable entry conditions are present at a permit space where entry is planned, for authorizing entry and overseeing entry operations, and for terminating entry.

Hazardous Atmosphere – An atmosphere that may expose employees to the risk of death, incapacitation, impairment of ability to self-rescue, injury, or acute illness from on or more of the following conditions:

- (a) Flammable gas, vapor, or mist in excess of 10% of its lower flammable limit (LFL);
- (b) Airborne combustible dust present at a concentration that meets or exceed its LFL. (This may be approximated as a condition in which the dust obscures vision at a distance of 5 feet or less);
- (c) Atmospheric concentration of any substance for which a dose or permissible exposure limit (PEL) is published in OSHA standards; or
- (d) Any other atmospheric condition that is immediately dangerous to life or health.

Hot Work - Any work involving burning, welding, riveting, or similar fire-producing operations, as well as work which produces a source of ignition such as drilling, abrasive blasting and space heating. Permits for *Hot Work* must be obtained in accordance with SUNY Fredonia's safety and health programs.

Immediately Dangerous to Life or Health (IDLH) - Any condition that poses an immediate or delayed threat to life or that would cause irreversible adverse health effects, or that would interfere with an individual's ability to escape unaided from a permit space.

Inerting - Displacement of the atmosphere by a non-reactive gas (such as Nitrogen) to such an extent that the resulting atmosphere is non-combustible. Inerting an atmosphere produces an IDLH oxygen-deficient atmosphere.

Irritant - Any substance that will induce a local inflammatory reaction on immediate, prolonged, or repeated contact with living tissue.

Isolation - A process whereby the confined space is removed from service and completely protected against the inadvertent release of material by the following: blanking off (skillet-type metal blank between flanges), misalignment of sections of all lines and pipes, a double block and bleed system, electrical lock-out of all sources of power, and blocking or disconnecting all mechanical linkages.

Lower Explosive Limit (LEL) - The minimum concentration of a combustible gas or vapor in air (usually expressed in percent by volume at sea level), which will ignite if an ignition source (sufficient ignition energy) is present.

Non-Permit Confined Space – A confined space that does not contain, or with respect to atmospheric hazards, have the potential to contain any hazard capable of causing death or serious physical harm.

Oxygen Deficiency - Refers to an atmosphere with a partial pressure of oxygen (Po2) less than 132 mm Hg. Normal air at sea level contains approximately 21% oxygen at a Po2 of 160 mm Hg. At an altitude of 5,280 feet, normal air contains approximately 21% o2 at a Po2 of 132 mm Hg. An oxygen-deficient atmosphere is one with less than 19.5% Oxygen.

Oxygen-Enriched Atmosphere - Any oxygen concentration greater than 25% (Po2 - 190 mm Hg) at normal atmospheric pressure. An oxygen-enriched atmosphere is one with greater than 23.5% Oxygen.

Permissible Exposure Limit (PEL) - The maximum Eight-Hour, Time-Weighted Average of any airborne contaminant to which an employee may be exposed. At no time must the exposure level exceed the Ceiling concentration for that contaminant as listed in 29 CFR Part 1910 Subpart Z.

Prohibited Condition – Any condition in a permit space that is not allowed by the permit during the time when entry is authorized.

Purging - The method by which gases, vapors, or other airborne impurities are displaced from a confined space. For example, an atmosphere may be purged of a hazardous airborne contaminant by forced ventilation - followed by atmospheric or environmental testing to ensure effectiveness.

Testing – The process by which the hazards are identified and evaluated. Testing includes specifying the tests that are to be performed in the permit space.

APPENDIX L

COMPLETED CONFINED SPACE SURVEY FORMS

APPENDIX M

PROGRAM UPDATE AND DISTRIBUTION

CONFINED SPACE PROGRAM DISTRIBUTION LIST

- Jim Pepe Director of Facilities Management
 Robert Lawson Asst. Director of Facilities Management
 Kevin Cloos Director of Building Services and Grounds
 Colin Plaister Director of ITS

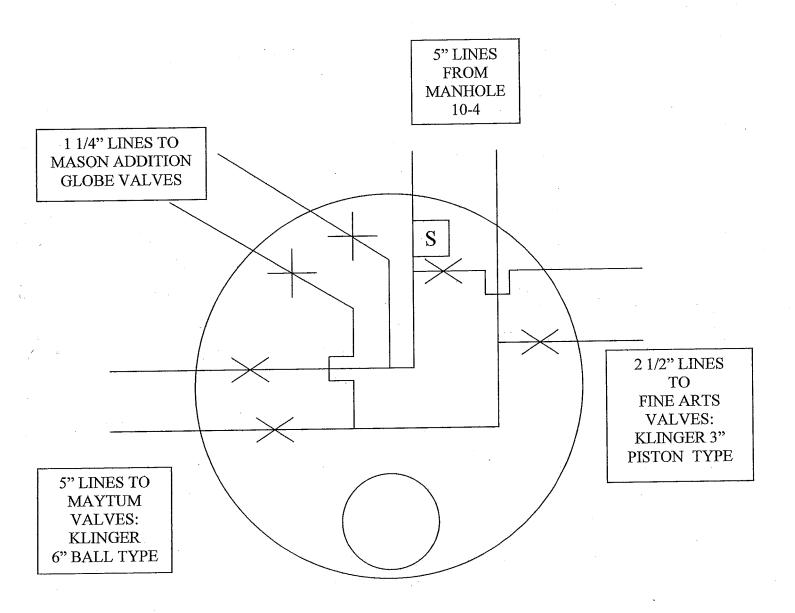
CONFINED SPACE - UPDATES AND REVISIONS

4/3/06: REVIEWED

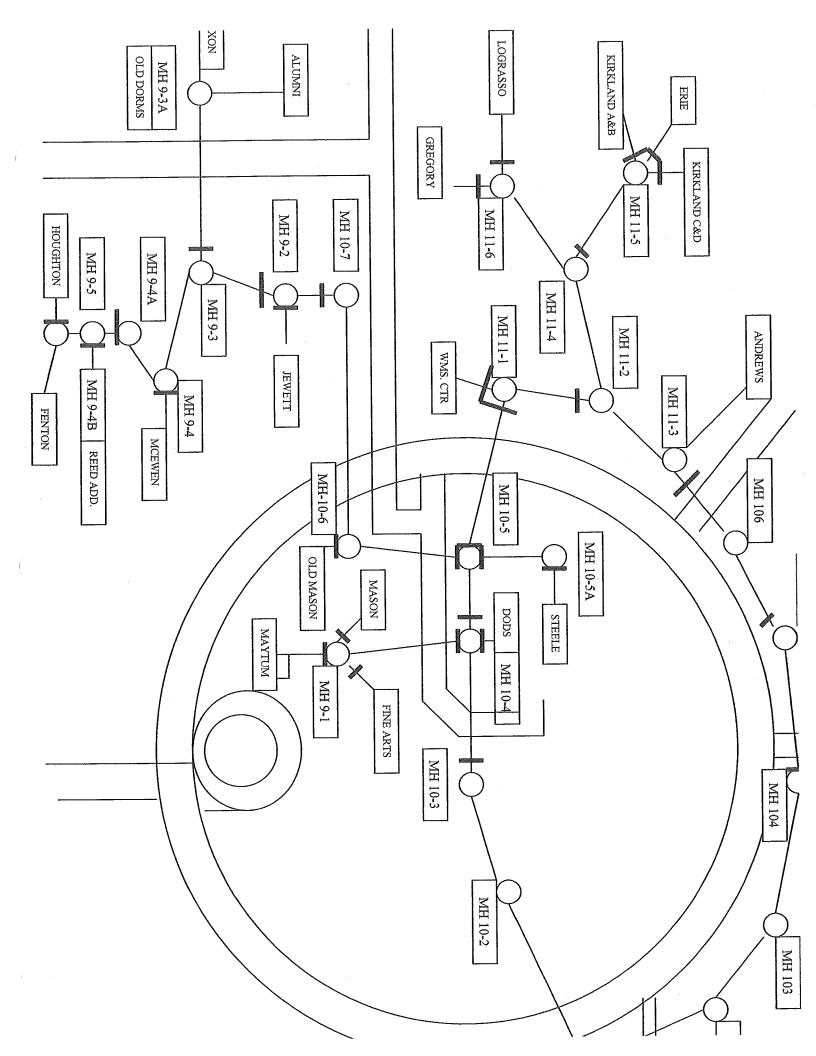
5/06: revised a distributed

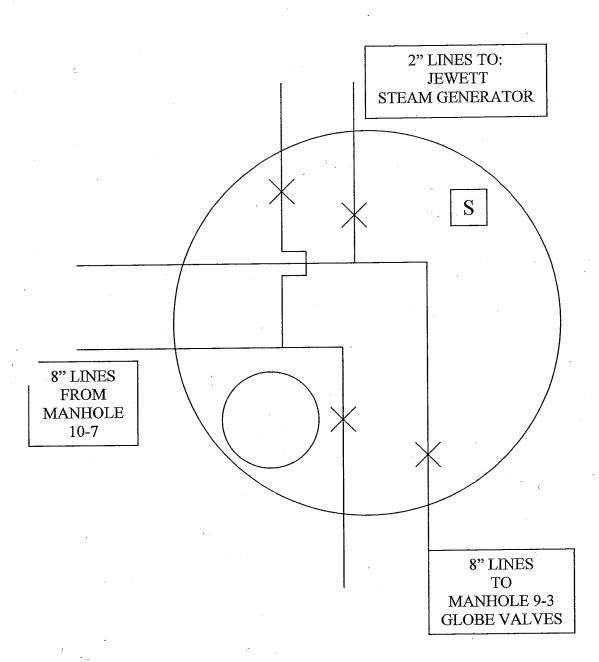
6/06: Entry rescue spaces - wording updated revised + distributed

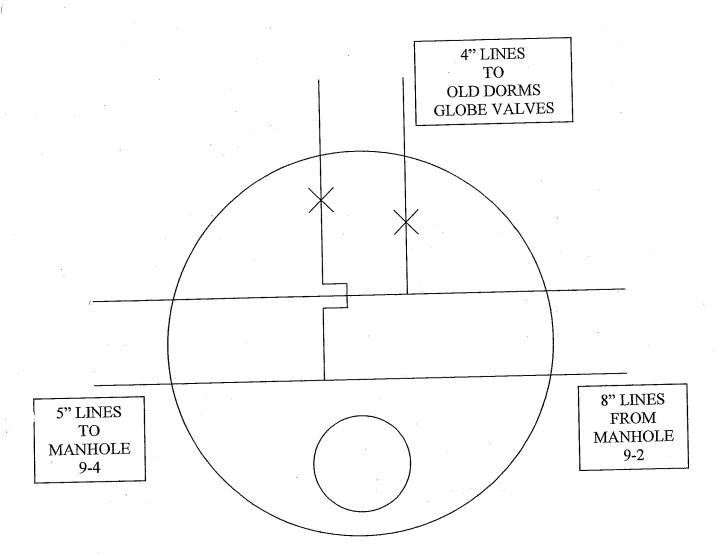
REHAB 2004



NO LINE VENTS OR DRAINS

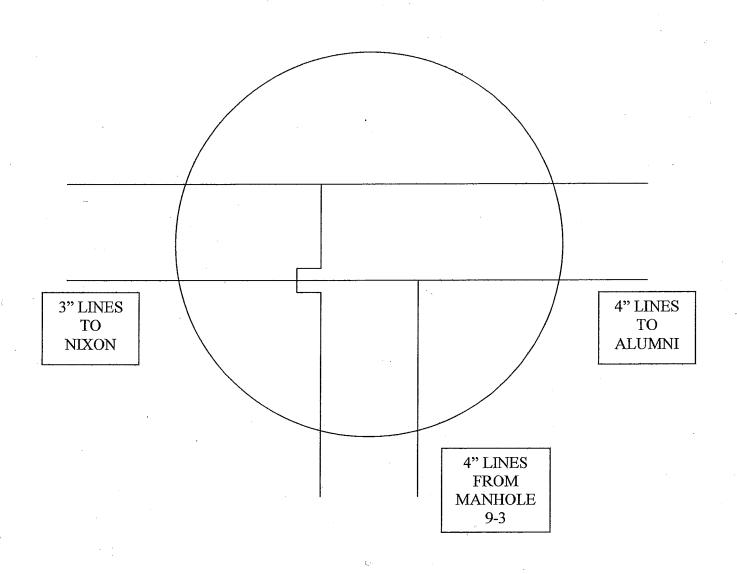




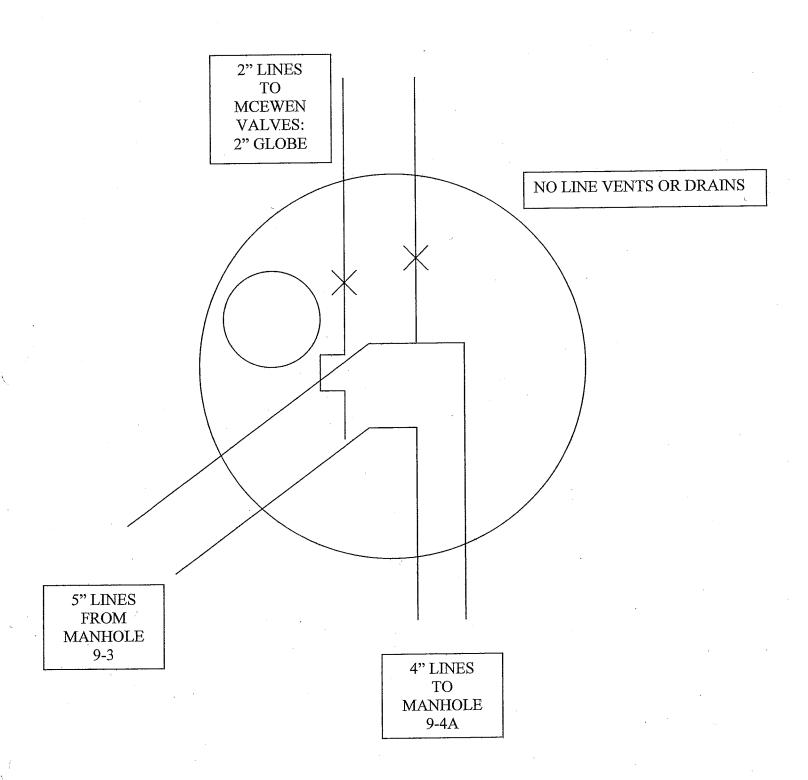


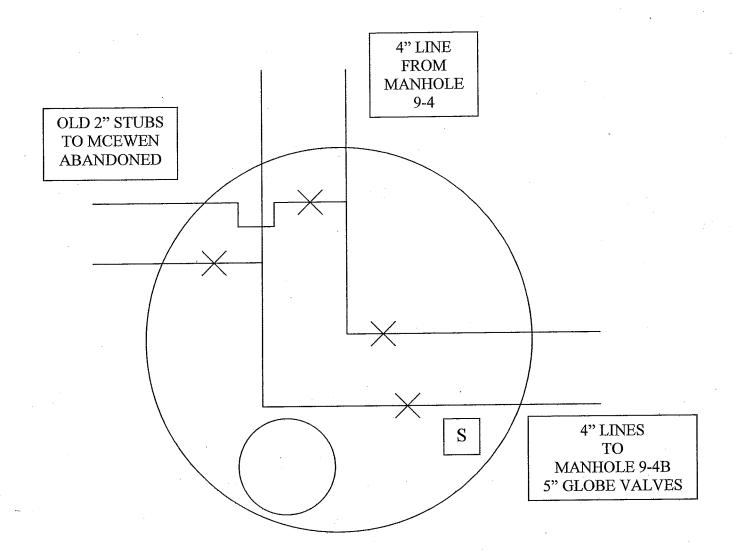
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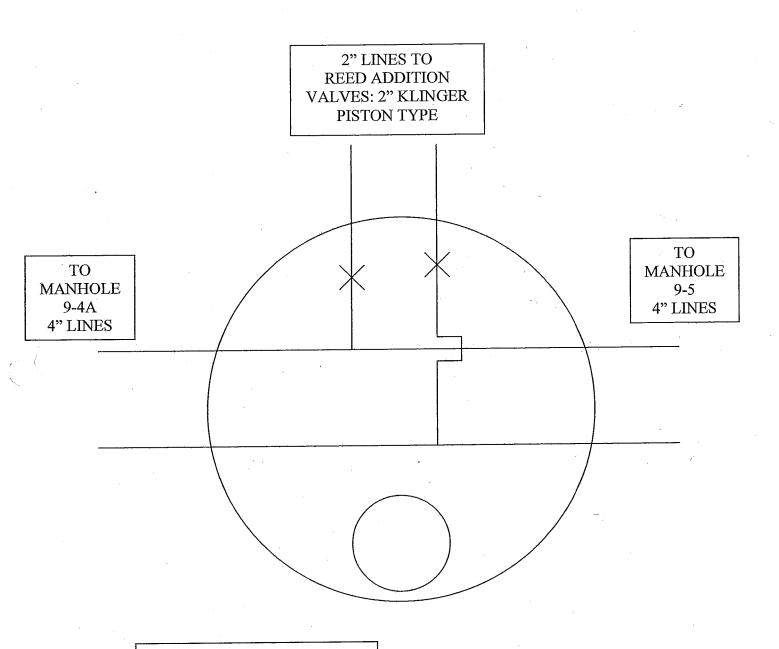


REHAB 2005

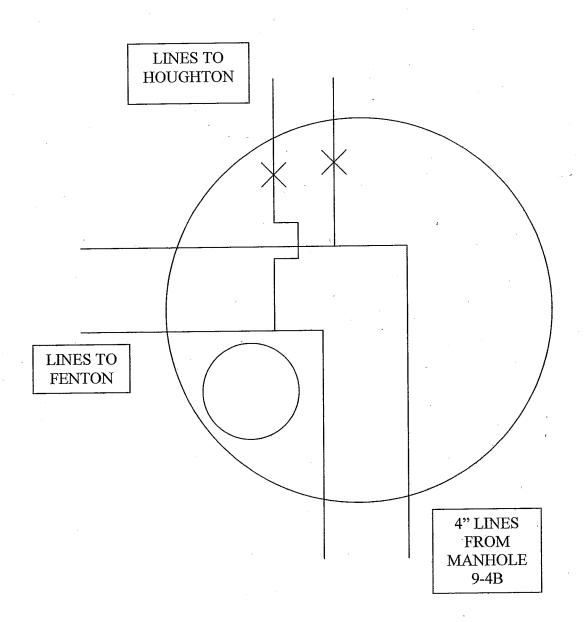




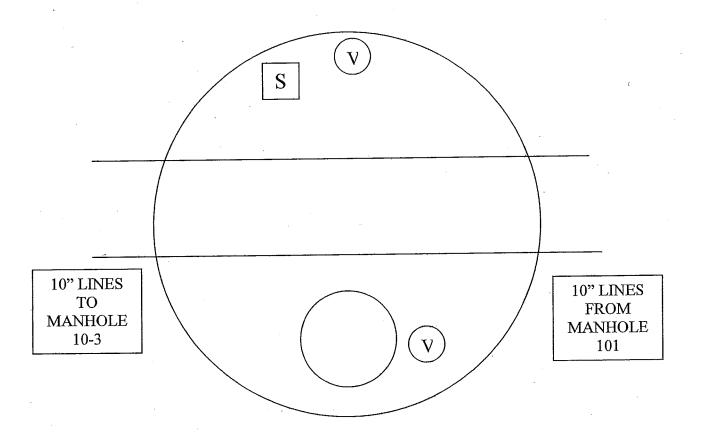
MANHOLE 9-4B REHAB 2005



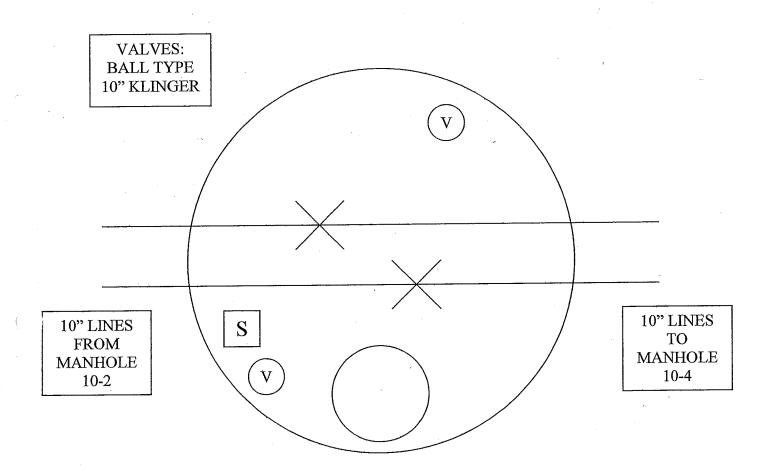
NO LINE VENTS OR DRAINS



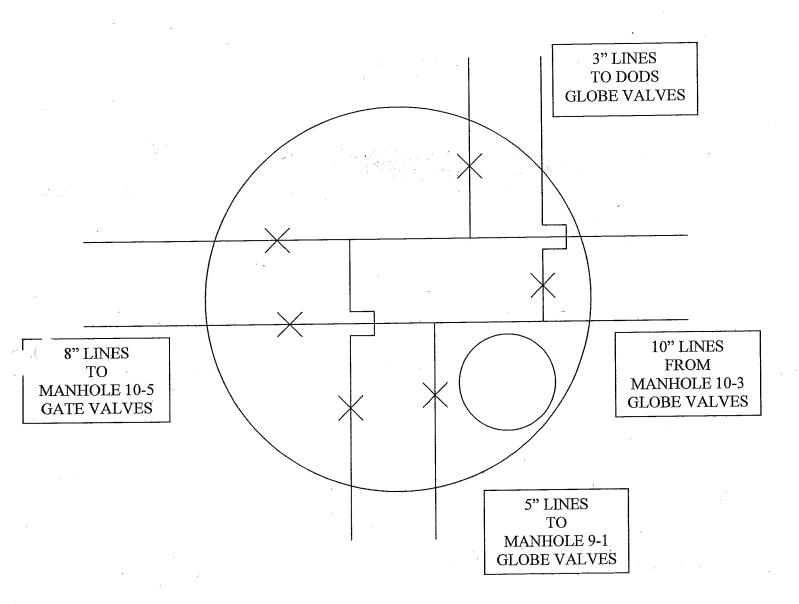
REHAB 2005



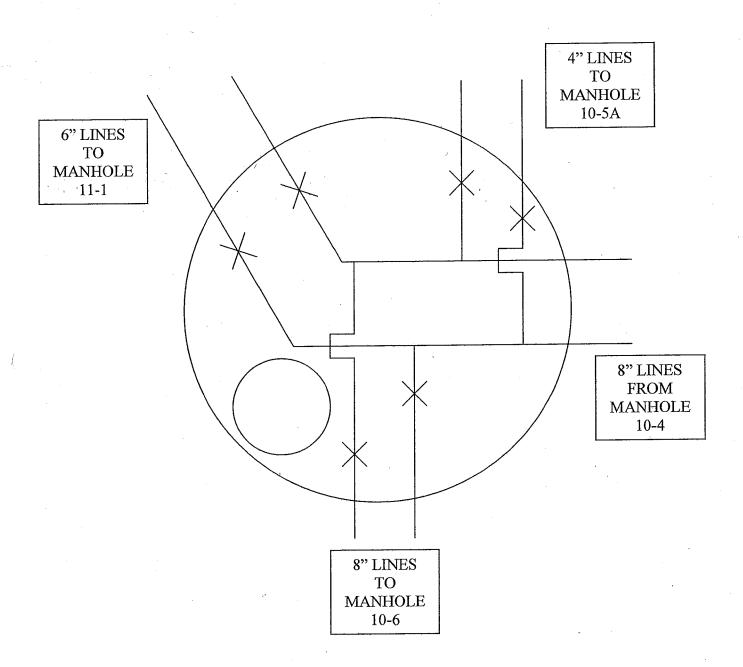
MANHOLE 10-3 REHAB 2004



REHAB 1997

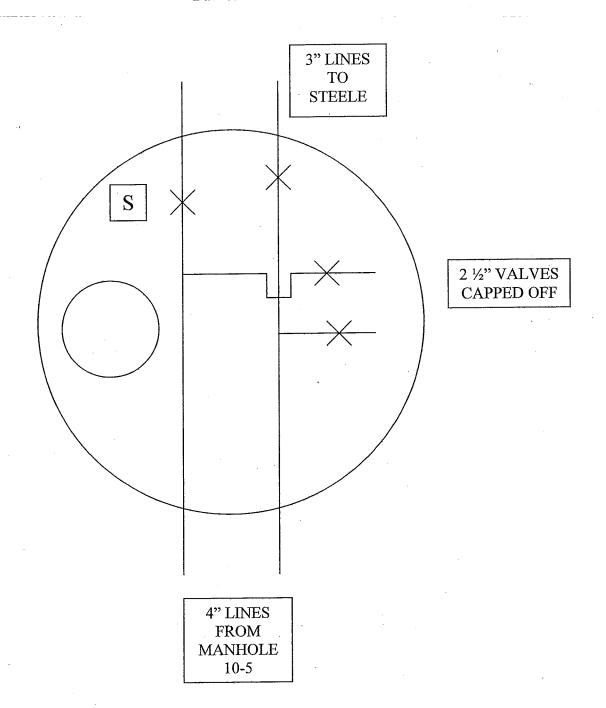


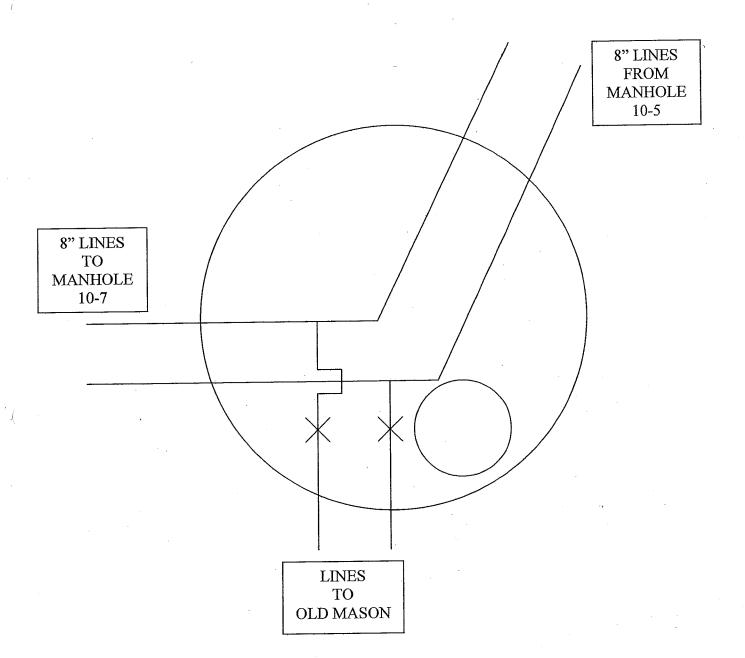
NEW 1997



MANHOLE 10-5A

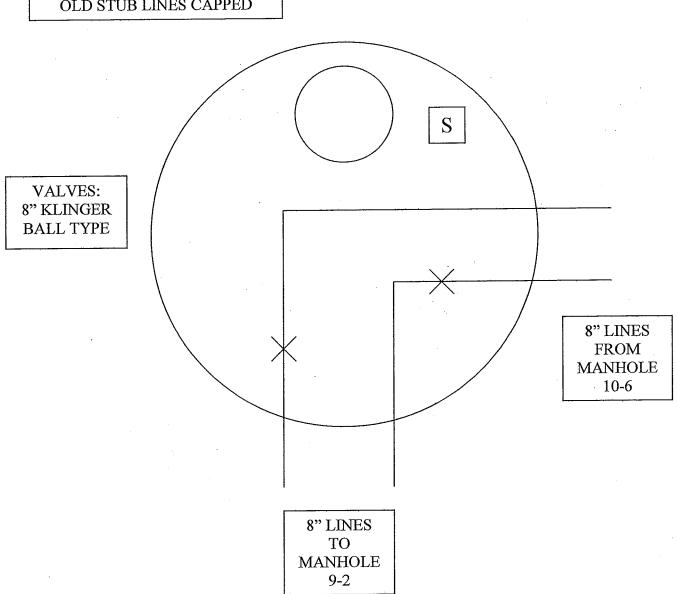
NEW 1997



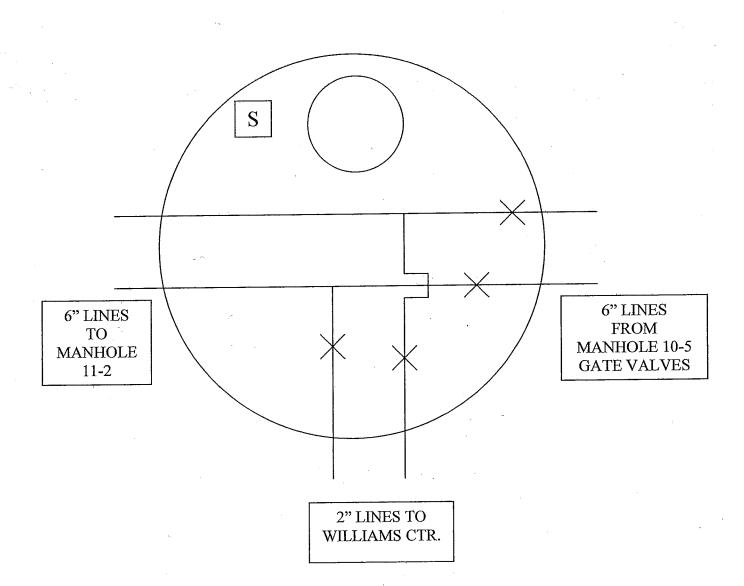


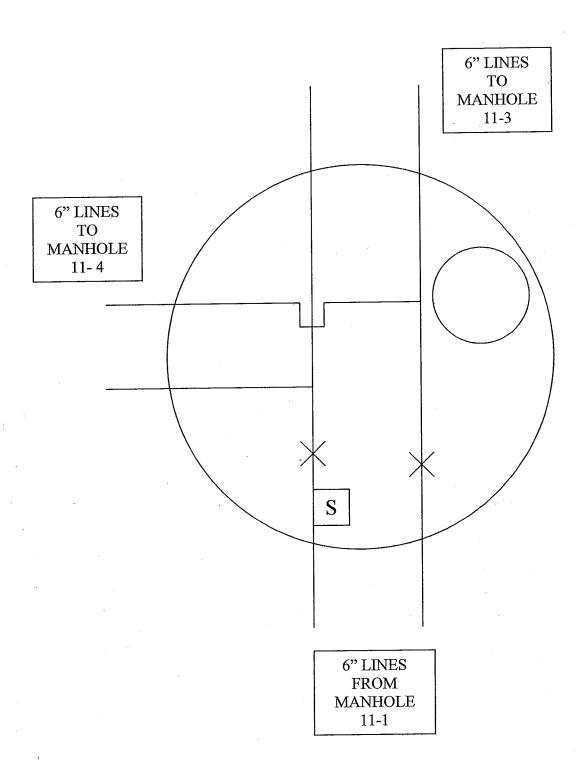
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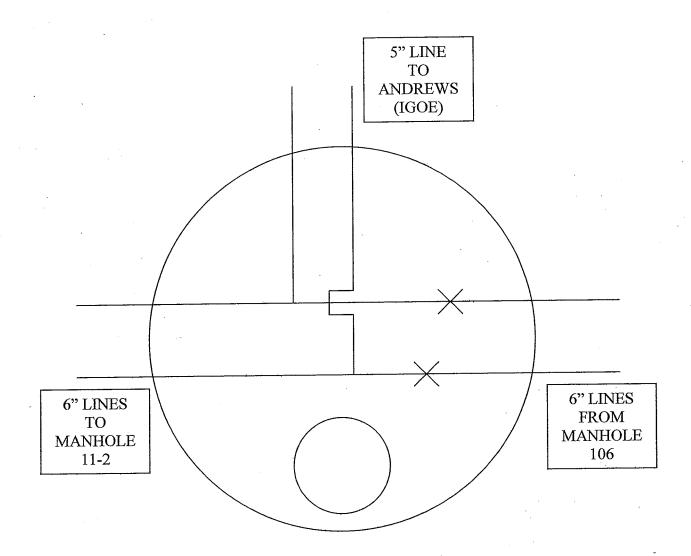
NO LINE VENTS OR DRAINS OLD STUB LINES CAPPED



REHAB 1997

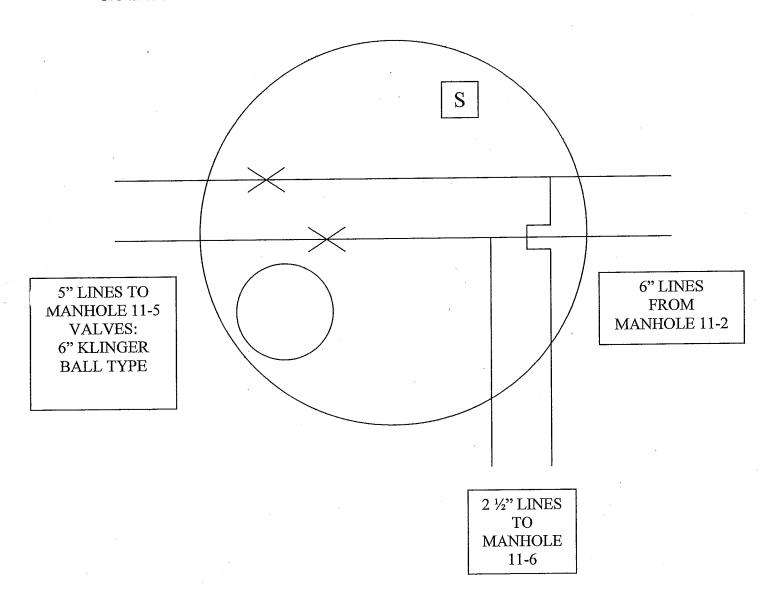




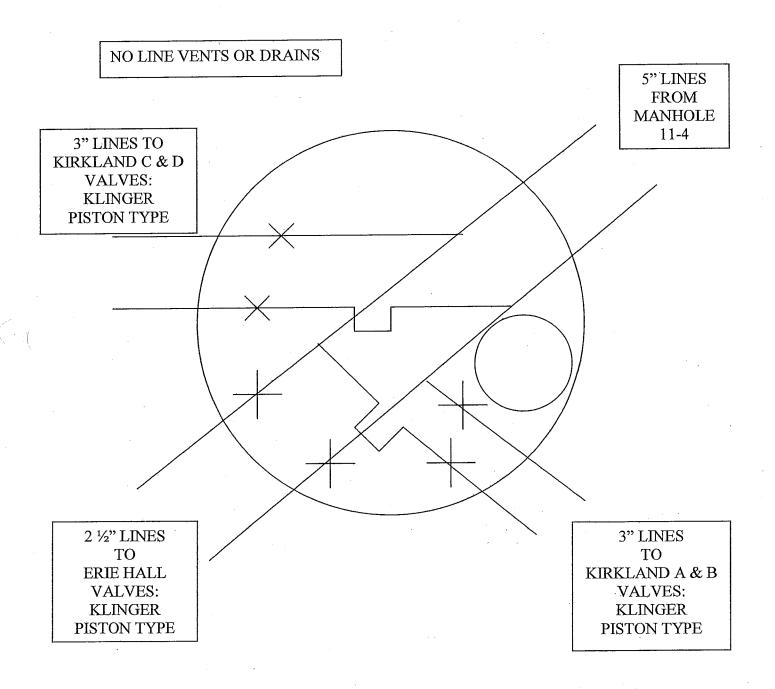


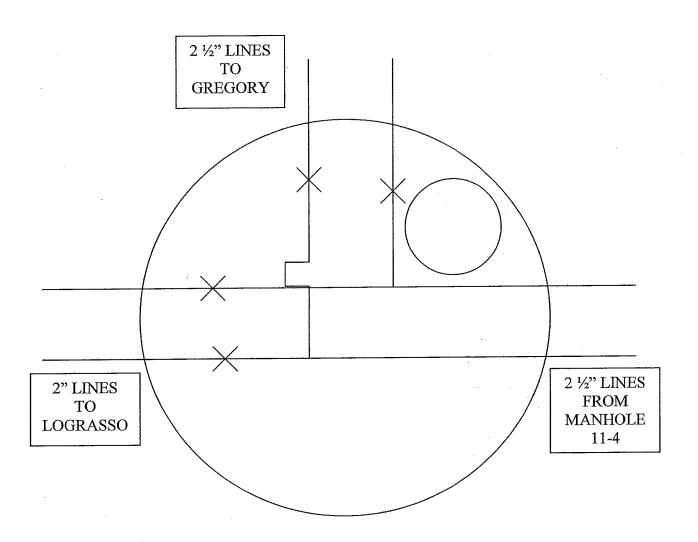
REHAB 2004

NO LINE VENTS OR DRAINS



REHAB 2005





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