ROD YOUNG PLANT

Risk Assessment - Excavations

HOLLINS CROFT COURT
TEAN

Hazard	Consequence	Risk = Likelihood (L) X Severity (S)			Proposed Controls	Risk = Likelihood (L) X Severity (S)			Time Scales	Responsibility
		L	S	Risk		L	S	Risk		
Damage from trench collapse	Major Injury	7	9	63	Excavations are made stable by battering back with excavator at 45 degrees or shoring with sheet piles. Daily Inspections are undertaken before work starts and results are recorded	2	9	18		
Hit or crushed by excavator	Major Injury	5	9	45	All operatives are trained and competent. Banksman provided	2	9	18		
Falling into Trench	Major Injury	5	8	40	Trench edges are barriered off and permit to work	2	8	16		
Possible explosion from gases in trench	Major Injury	4	7	28	Gas monitors if needed read soil report contamination analysis	1	7	7		
Build up of Fumes from Plant	Major Injury or disease	4	9	36	No plant or equipment that generates its own hazardous gases to be used in trenches. Generators to be used at ground level only.	2	9	18		
Noise from work in trench with mechanical equipment	Long term hearing damage	4	9	36	Hearing protection is supplied and worn when required.	2	9	18		
Chemicals being used in confined space	Major Injury or disease	7	4	28	No chemicals used	1	4	4		
Diseases including Weils disease and contact with potentially contaminated ground	Extreme illness - long term sickness	5	8	40	cuts covered, good hygiene by washing of hands and arms immediately after leaving the excavation area. Wear gloves at all times.	2	8	16		
Chains fail while moving piles or ES boxes	crushing and possible death	3	9	27	trained banksman and driver. Chain LOLLER tested	2	9	18		
access and egress to and from the excavation by fall from height	Major injury from falling from height	4	7	28	Ladders tied off	3	7	21		
confined space	Suffocation	10	10	100	Permit to work. Trained personnel only. Gas monitors if needed.	2	10	20		
Cut through gas utility pipes	Explosion and/or serious injury	5	10	50	Drawings obtained and cat & genny scan undertaken to ensure no gas pipes are in the excavation area Safe digging techniques to be used around potential service locations. All excavation within 500mm of a know service to be by hand only	2	10	20		
Cut through water utility pipes	flooding of excavation and possible drowning	5	10	50	Drawings obtained and cat & genny scan undertaken to ensure no gas pipes are in the excavation area Safe digging techniques to be used around potential service locations. All excavation within 500mm of a know service to be by hand only	2	10	20		

Completed by: D Rennison
Date: 19/02/18
Review Date: JAN 19

Risk Assessment Index

Cut through electricity utility cables	electrocution and possible death	5	10	50	Drawings obtained and cat & genny scan undertaken to ensure no gas pipes are in the excavation area Safe digging techniques to be used around potential service locations. All excavation within 500mm of a know service to be by hand only	2	10	20		
Cut through sewage utility pipes	flooding of excavation and possible drowning and/or disease	5	10	50	Drawings obtained and cat & genny scan undertaken to ensure no gas pipes are in the excavation area Safe digging techniques to be used around potential service locations. All excavation within 500mm of a know service to be by hand only	2	10	20		
Striking a passing train or overhead cable on the adjacent railway line	Electrocution of the driver, cuasing a serious rail accident	5	10	50	All operatives to be made aware of the railway line at induction and the need to avoid contact. Machine operators to be briefed to site their machines inside the site facing the railway at all times	2	10	20		
Comments:										

Persons at Risk:

☑ Employees ☑ Visitors ☑ Contractors ☑ Public ☐ Cleaners ☐ Expectant Mothers ☐ Other.....

Risk Index: Below 25 - No immediate action
25 - 59 - Medium risk - action within
60 or more - High risk - Do not proceed

Risk = Probability (P) X Severity (S)

Score Index:

L = Likelihood

1. No human injury expected
2. Minor injury with no lost time & complete recovery
3. Absent from work for less 3 days with complete recovery
4. but less than 3 weeks with subsequent complete recovery
5. Absent from work for more than 3 weeks with subsequent complete recovery
6. Absent from work for more than 3 weeks with subsequent recurring incapacity
7. Permanent slight incapacity

P = Probability

1. Almost impossible
2. Very improbable
3. Improbable
4. Less than even chance
5. Even chance
6. More than even chance
7. Probable

P = Probability

1. Almost impossible
2. Very improbable
3. Improbable
4. Less than even chance
5. Even chance
6. More than even chance
7. Probable

8. Permanent severe incapacity
9. Permanent total incapacity
10. Death

8. Very likely
9. Almost certain
10. Inevitable

8. Very likely
9. Almost certain
10. Inevitable

Completed by: D Rennison
Date: 19/02/18
Review Date: JAN 19