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## Ground Disturbance Permit

### 1. When Required

Ground disturbance is defined as any work, operation or activity that results in the penetration of the ground to any depth. Ground disturbance work is classified as mechanical excavation, daylighting, borehole drilling, trenching, grading (except for minor road surface maintenance, not exceeding 200 mm or 7.87 inch in depth) and hand digging with a blade auger. A Ground Disturbance Permit (GDP) is required if one of the following scenarios applies:

- Ground disturbance by a mechanical means to any depth; or
- Hand digging with a hand auger to greater than 0.3 m.


An underground utility locate shall be completed by a qualified locator in support of the GDP application, when ground disturbance is to be conducted by a mechanical means to greater than 0.3 m. Hand digging with a blade auger into greater than 0.3 m will be evaluated on a case-by-case scenario. Other exemptions may also apply, please contact Parsons Environment for more details. A signed site plan will be provided by the qualified locator detailing the area assessed and which shall document any underground, aboveground, or overhead utilities within the assessed work area. Please see [Appendix A](#) for more detail.

### 2. Application Information

<b>Parsons Environment Use Only</b>	<b>Site Access Tracking Number:</b>	<b>Permit Number:</b>
<b>Application Date:</b>		<b>Company Name:</b>
<b>Applicant Name and Title:</b>		
<b>Work Package Number and/or Name, if applicable:</b>		

### 3. Proposed Ground Disturbance Activities

<b>Location of Disturbance(s) and Accesses:</b>  <input type="checkbox"/> Maps Provided?
<b>Reason for Disturbance:</b>  <input type="checkbox"/> Detailed Scope Provided in the Notice of Work (NOW) or Environmental Protection Plan (EPP)?
<b>Disturbance Method(s):</b> <input type="checkbox"/> Hand Dig <input type="checkbox"/> HydroVac <input type="checkbox"/> Mechanical; Provide Detail:
<b>Proposed Maximum Disturbance Depth (m):</b>


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Proposed Schedule (yyyy-mm-dd):	TO
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## 4. Pre-Site Work Documentation and Preliminary Application Evaluation

### 4.1. Environmental Protection Plan (EPP) Requirements

EPP Subplans	Trigger for Requirement	Required (Y / N / N/A)	Submitted by Applicant (Y / N / N/A)	Reviewed & Approved (Y / N / N/A)
Appendix A: Fish Habitat Protection and Water Quality Management Plan	Required if work is proposed which might negatively impact a non-contact water body or if work requires handling of non-contact water (i.e. work in the wetted channel or within riparian zone)			
Appendix B: Dust Management Plan	Disturbing soils and materials that could produce dust			
Appendix C: Geochemical Monitoring Plan	Using materials for construction within a catchment which drains into a non-contact waterbody			
Appendix D: Heritage Resources Management Plan	Work areas and access paths proposed are within a limited disturbance area as indicated in Appendix M of the Environmental Management Plan			
Appendix E: Materials Management Plan	Using, producing, or stockpiling materials including cleared vegetation			
Appendix F: Revegetation Plan	Disturbing vegetation where on-going site operations are not planned			
Appendix G: Sediment and Erosion Control Plan	Area being disturbed within a catchment where erosion may deposit sediment into a non-contact waterbody			
Appendix H: Spill Prevention and Response Plan	Work that could result in spills (handling of petroleum hydrocarbons, chemicals, contact water, etc.)			
Appendix I: Waste Management Plan	Generation of waste including but not limited to soil cuttings or purged water generated from drilling activities			
Appendix J: Wildlife and Wildlife Habitat Management Plan	Where wildlife or wildlife habitat (including aquatic wildlife) may be disturbed, including disturbing vegetation or ground clearing during the avian nesting period (May 4 to August 22 inclusive)			

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## 4.2. Work Planning Requirements

Item	Description	Required (Y / N / N/A)	Submitted by Applicant (Y / N / N/A)	Reviewed & Approved (Y / N / N/A)
Utility Locates	Locates is required for proposed work area(s) and access path(s) ➤ Please see <a href="#">Appendix A</a> for more detail.			
Avian Survey	Bird nest survey is required for proposed work area(s) and access path(s) if disturbing vegetation or ground clearing from May 4 to August 22 inclusive			
Excavation Entry	Worker Entry is required when excavation is greater than 1.2 m, contract Parsons Health and Safety Team			
Fishery Monitoring	A Professional Fisheries Biologist (R.P.Bio) to be retained when ground disturbance is to occur within the high water mark of a waterbody or if sedimentation and erosion might impact a waterbody			

### Permit Applicant:

Name (print)	Title	Signature	Date
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### Verified by (Parsons Environment):

Name (print)	Title	Signature	Date
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## 5. Pre-Construction Inspections

### 5.1. Mandatory Inspections

Description	Inspected (Y / N / N/A)	Inspected by (initials)	Date (yyyy-mm-dd)	Remark
Work area(s) and access path(s) within 30 m from a No-Go Zone				
Locates are clearly marked or flagged in the field (work areas and access paths)				
Bird surveyed area(s) is clearly flagged in the field				
Dust mitigation equipment and measures in place				

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Description	Inspected (Y / N / N/A)	Inspected by (initials)	Date (yyyy-mm-dd)	Remark
Erosion and sediment control equipment and measures in place				
Spill prevention control equipment and measures in place				
Any overhead hazards present (i.e. overhead wires)				
As-built drawings available for review				
Interview with a person who may know of utilities in the area				

Permit Applicant:

Name (print)	Title	Signature	Date
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Verified by  
(Parsons Environment):


Name (print)	Title	Signature	Date
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5.2. Excavation Entry

☐ Not Applicable      ☐ Applicable, the proposed plan accepted by the Health and Safety Team


Accepted by  
(Parsons Health & Safety):

Name (print)	Title	Signature	Date
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6. Potential Conflicts with Other Parsons Teams

Team / Role	Confirmation
Care and Maintenance Team	<input type="checkbox"/> I confirm that the proposed work area will not have conflicts with the ongoing Care and Maintenance Activities in the proposed work period.  <input type="checkbox"/> The proposed work has conflicts with the ongoing Care and Maintenance Activities, however can proceed with the following conditions:   <input type="checkbox"/> The proposed work has conflicts with the ongoing Care and Maintenance Activities and cannot proceed.
	<div>Name (print)TitleSignatureDate</div>
Construction Team	<input type="checkbox"/> I confirm that the proposed work area will not have conflicts with the ongoing Construction Activities in the proposed work period.  <input type="checkbox"/> The proposed work has conflicts with the ongoing Construction Activities, however can proceed with the following conditions:   <input type="checkbox"/> The proposed work has conflicts with the ongoing Construction Activities and cannot proceed.
	<div>Name (print)TitleSignatureDate</div>
Mine Manager	<input type="checkbox"/> I confirm that the proposed work area will not have conflicts with the other ongoing Site Activities in the proposed work period.  <input type="checkbox"/> The proposed work has conflicts with other ongoing Site Activities due to, however can proceed with the following conditions   <input type="checkbox"/> The proposed work has conflicts with the ongoing Site Activities and cannot proceed.
	<div>Name (print)TitleSignatureDate</div>

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7. Approval to Commerce Work

Parsons Environment Use Only	
Based on the review of the above noted information, this Ground Disturbance Permit is issued to the permit applicant for the work area and/or access paths specified:	
<b>Authorization Type:</b> <input type="checkbox"/> Full Authorization <input type="checkbox"/> Conditional Authorization, describe:	
The Permit is Valid for (yyyy-mm-dd): _____ TO _____	

By signing below, the Permit Applicant confirms that all information provided pertaining to the Ground Disturbance Permit application is accurate to the best of the applicant’s knowledge. No work shall be implemented other than the proposed work as documented in this permit application. The proposed work is only permitted to be conducted within the valid period as specified above.

Parsons Team confirms that all information provided has been reviewed in detail and verified in the field, if necessary.


Permit Applicant:

	Name (print)	Title	Signature	Date
Authorized by (Parsons Environment Manager):				
	Name (print)		Signature	Date

Parsons Environment Use Only	
<b>Authorization Type:</b> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Full Authorization after Elimination of Condition(s) Describe how condition(s) was eliminated:	
New Permit Valid Period for (yyyy-mm-dd): _____ TO _____	

Permit Applicant:


	Name (print)	Title	Signature	Date
Verified by (Parsons Environment):				
	Name (print)	Title	Signature	Date

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8. Field Staff Sign-Off

By signing below, you confirm that you clearly understand the limits and requirements as outlined in the Ground Disturbance Permit, and will follow the appropriate procedures when conducting the field work.

Name (print)	Title	Company	Signature	Date
Name (print)	Title	Company	Signature	Date
Name (print)	Title	Company	Signature	Date
Name (print)	Title	Company	Signature	Date
Name (print)	Title	Company	Signature	Date
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## 9. Permit Close-Out


### 9.1. Close-Out Inspection

Description	Inspected (Y / N / N/A)	Inspected by (initials)	Date (yyyy-mm-dd)	Remark
Work areas restored to the pre-work condition as applicable				
No Work Zone buffer maintained				
Flagging from surveys and locates has been removed as well as any other non-permanent markings				
Dust mitigation measures removed				
Revegetation completed				
Erosion and sediment control measures removed or handover report submitted to MCM and approved				
Spill prevention control equipment and measures removed				
Geochemical monitoring equipment removed				
Stockpile(s) properly placed, sorted and shaped, as well as surveyed				
Waste, including soil cuttings, purged water, etc. properly stored and/or disposed and reported				

**Permit Holder:**

<b>Verified by (Parsons Environment):</b>	Name (print)	Title	Signature	Date
	Name (print)	Title	Signature	Date




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## 9.2. Close-Out Documentation Required

Requirement	Required (Y / N / N/A)	Submitted by Applicant (Y / N / N/A)	Reviewed & Approved (Y / N / N/A)
<b>Data uploaded to EQUIS and/or surveys completed as per:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Dust Management Plan</li> <li><input type="checkbox"/> Geochemical Monitoring Plan</li> <li><input type="checkbox"/> Materials Management Plan</li> <li><input type="checkbox"/> Conceptual Revegetation Plan</li> <li><input type="checkbox"/> Sediment and Erosion Control Plan</li> <li><input type="checkbox"/> Wildlife and Wildlife Habitat Management Plan</li> </ul>			
Fish Habitat and Water Quality Management Report			
Air Quality Monitoring Report			
Geochemical Monitoring Report			
Materials Management Report			
Revegetation Monitoring Report			
Sediment and Erosion Control Report			
Waste Management Report			
Wildlife Management Report			
As-Built Drawings			
The Chain of Custody for all monitoring samples taken are provided to the Main Construction Manager. The Chain of Custody documents need to specify that results in the form of an Electronic Data Deliverable (EDD) are provided to <a href="mailto:cirnac@equisonline.com">cirnac@equisonline.com</a>			

**Permit Holder:**

Name (print)	Title	Signature	Date
<b>Verified by (Parsons Environment):</b>			
Name (print)	Title	Signature	Date


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9.3.Close-Out Approval

By signing below, Parsons Team gives authorization to the Permit Holder to demobilize from the work area.

Permit Holder:

	Name (print)	Title	Signature	Date
Authorized by (Parsons Environment Manager):				

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## Appendix A – Utilities Locates

The qualified locator should indicate methods that has been adopted to conduct underground utilities scans, including:

Cable & Pipe Locator

Electromagnetic Field (EMF)

Ground Penetration Radar (GPR)

Others:

All underground hazards must be flagged and labelled following the American Public Works Association (APWA) Uniform Color Codes.

Red	Electric power lines, cables, conduit, and lighting cables
Orange	Telecommunication, alarm or signal lines, cables, or conduit
Yellow	Natural gas, oil, steam, petroleum or other gaseous or flammable material
Green	Contact water pipelines, sewer and drain lines
Blue	Drinking water
Violet	Reclaimed water, clean water, irrigation, and slurry/sludge lines
Pink	Temporary survey markings, unknown/unidentified facilities

### IMPORTANT NOTES:

- Mechanical digging is prohibited for an area that is within one (1) meter from an identified underground utility. The identified utility shall be exposed by hand digging or hydrovac.
- Disturbance must start within 7 days of the survey date, otherwise permit is invalid.
- If dig is abandoned or halted for more than 14 days or there is a change in conditions, a new permit will be required.

Please contact Parsons Environment for details and/or exemptions.