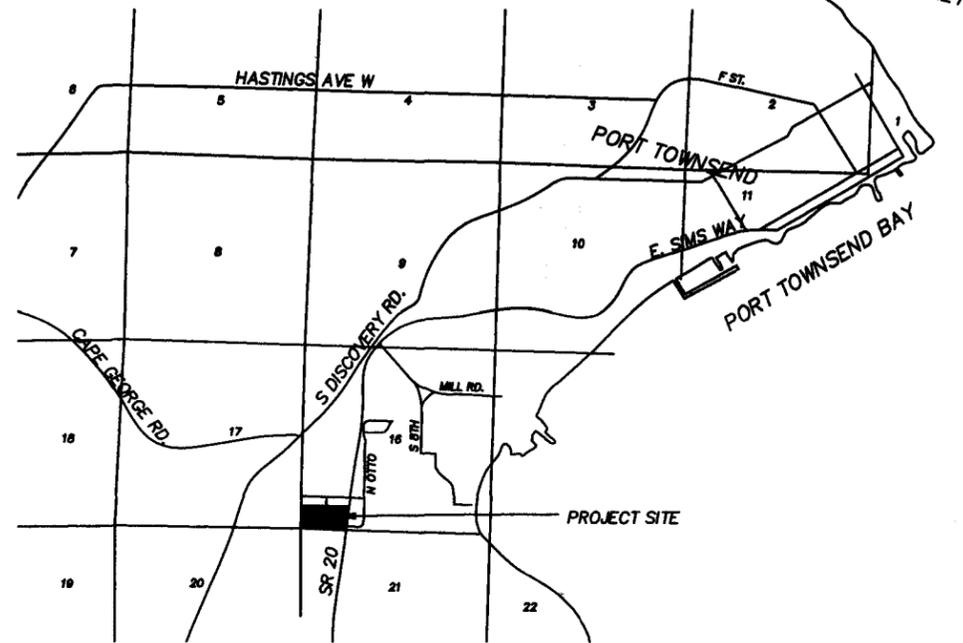


CALL 48 HOURS
BEFORE YOU DIG
1-800-424-5555



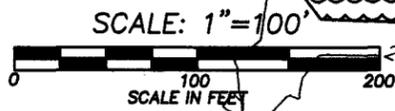
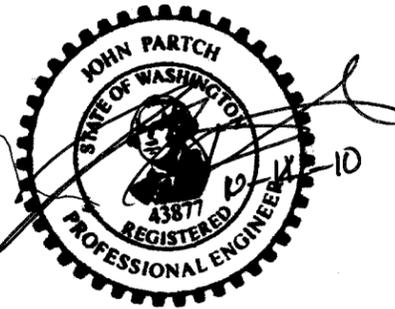
VICINITY MAP
NOT TO SCALE

Stormwater System Notes:

1. Pipe to be 12" Smooth wall, corrugated polyethylene pipe, or equivalent installed in accordance with WSDOT standard spec.
2. Catch Basins to be precast Type 1 C.B. with frame and grate or solid lid as noted on plan. Install in accordance with WSDOT standard spec.
3. All materials not noted otherwise to be in accordance with WSDOT standard specification.

Construction Pollution Prevention Notes:

1. Exposed and unused soils shall be covered within 2 days between October 31 and March 31 and within 7 days between April 1 and October 30. Use plastic sheeting or straw mulch on cleared areas and stockpiles. Place gravel base on road driveway and parking areas soon after clearing and subgrade preparation. Re-vegetate disturbed areas by seeding with grass and clover and mulching with straw or wood mulch. The optimum time for reseeding is between September 15 and October 1. Additional seeding may be needed the following spring.
2. All pollutants that occur on-site during construction shall be contained in a manner that does not cause contamination of the stormwater. The contractor shall maintain good housekeeping practices such as clean equipment, free of leaks, no on site vehicle washing, and having oil soaking rags on site.
3. The contractor shall perform operation and maintenance of erosion and sediment control facilities. As need arises the erosion and sediment control efforts may be increased.



BASE MAP FROM CLARK LAND OFFICE AS BUILT SURVEY FROM FEB. 2007 AND TOPOGRAPHY FROM JEFFCO LIDAR DATA. HOMES AND DRIVEWAYS NOT SHOWN, VERIFY IN FIELD

DATE: OCTOBER 2010
SCALE: NOTED
DRAWN BY: JEP
CHECKED: JSP
SHEET: 1

4 SEASONS
ENGINEERING, INC. (360) 452-3023
619 S. Chase St. Port Angeles, WA 98362

STORM DRAINAGE IMPROVEMENT PLAN
JAMES AND MARSHA EADES
N 1/2, NW 1/4, NW 1/4 SECTION 21, TOWNSHIP 30N, RANGE 1W, LESS
PORTION OF ZAMPERIN SHORT PLAT, LESS R/W
PARCEL NO. 001212008, JEFFERSON COUNTY, WA

SOIL LOGS

Site: Eades Property/S end of Louisa ID # TP #1 Location: Drainage Channel, 20' S of PL Elevation: 240+- Date: 10/5/2010 Client: James and Marsha Eades Method: Mini Excavator Observations by: JEP/JSP Cat 303C		
Soil Description	Depth	Notes:
	0	
Reddish Brown Sandy Loam w/ organics	10"	
Compact reddish brown sandy gravel	24"	
Reddish brown sandy gravel w/ mottling	36"	Roots to 36"
Saturated gravelly sand - gray	50"	
Fine sand, grey, compact	52"	
Compact glacial till	60"	h2o at 58" Bottom of hole
Site: Eades Property/S end of Louisa ID # TP #2 Location: Drainage Channel, 80' S of PL Elevation: 240+- Date: 10/5/2010 Client: James and Marsha Eades Method: Mini Excavator Observations by: JEP/JSP Cat 303C		
Soil Description	Depth	Notes:
	0	
Fine sandy loam with organics	12"	
Reddish brown sandy gravel	28"	
Gravelly sand w/ cobbles, mottled	46"	h2o flowing in from side at 46"
Compact glacial till	62"	standing h2o in pit at 54"
Site: E end of Charles ID # TP #3 Location: N side Elevation: 220+- Date: 10/5/2010 Client: James and Marsha Eades Method: Mini Excavator Observations by: JEP/JSP Cat 303C		
Soil Description	Depth	Notes:
	0	
Medium Fine Sand	7 ft.	Roots to 3 ft.
Site: E end of Charles ID # TP #4 Location: S side Elevation: 220+- Date: 10/5/2010 Client: James and Marsha Eades Method: Mini Excavator Observations by: JEP/JSP Cat 303C		
Soil Description	Depth	Notes:
	0	
Medium Fine Sand	7 ft.	Roots to 2 ft.