

# Received by Email

02/14/2022



December 9, 2021

Sea Pac Homes 120 SW Everett Mall Way, Suite 100 Everett, WA 98204

## RE: Revised Critical Area Reconnaissance Report for $9110\,53^{\rm rd}$ Avenue West; Parcel 00611600015900

#### SITE DESCRIPTION

Wetland Resources, Inc. (WRI) performed a site reconnaissance on March 29, 2021, to evaluate wetland and stream conditions on and near the subject property. The site is composed of one 1.33-acre parcel, located at 9110 53<sup>rd</sup> Avenue West, within the city limits of Mukilteo, Washington. The Public Land Survey System (PLSS) locator for the property is Section 16, Township 28N, Range 4E, W.M. It is located within the Puget Sound Drainage of the Snohomish Watershed, Water Resources Inventory Area (WRIA) 8.

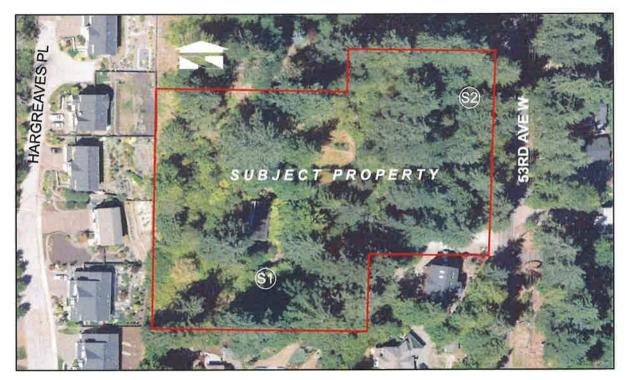


Figure 1 - Aerial photograph of the subject property and data site locations.

The parcel is located in a residential setting, situated between 53<sup>rd</sup> Ave W and Hargreaves Place, north of Big Gulch Park. A single-family home lies in the northern portion property. Vegetation is generally forested, with an upland species assemblage.

Topography has a gentle northern aspect. The forested vegetation that remains on the site is dominated by Douglas-fir, Western red cedar, Himalayan blackberry, salmonberry, Oso-berry, trailing blackberry, and swordfern. Observed soil pits generally display very dark grayish brown (10YR 3/2) loam from the surface to eight inches below. Between eight and sixteen inches below the surface, soils are dark yellowish brown (10YR 3/4 to 10YR 4/4). Soils were dry at the time of our March 2021 inspection, during a period of normal precipitation.

#### PUBLIC INFORMATION

Prior to conducting the site reconnaissance, publicly available information was reviewed to gather background information on the subject property and the surrounding area regarding wetlands, streams, and other critical areas. These sources include the following:

- <u>United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI)</u>
  No wetlands are mapped on or near the subject property by this source. A forested/scrubshrub wetland is mapped approximately 250 feet off-site to the east, across 53<sup>rd</sup> Ave W. A riverine feature is mapped approximately 400 feet off-site to the west.
- <u>USDA/Natural Resources Conservation Service (NRCS) Web Soil Survey</u>

  The NRCS Web Soil Survey indicates that the site is underlain by Alderwood-Urban land complex, 2 to 15 percent slopes. This unit is not listed as a hydric soil. A small area of Mukilteo muck is mapped near 53<sup>rd</sup> Ave W, however, the mapping appears to be incorrect as no muck soils are present in this area.
- WDFW Priority Habitat and Species (PHS) Interactive Map
  There are no priority habitats or species mapped on or near the site. The same forested/scrubshrub wetland mapped by NWI is displayed approximately 250 feet off-site to the east. Big
  Gulch Creek is mapped approximately 0.4 miles off-site to the south and is listed as a habitat
  for Coho Salmon and Resident Coastal Cutthroat Trout.

Washington Department of Fish and Wildlife (WDFW) SalmonScape Mapping System

No streams are mapped by this source on or near the site. The closest fish-bearing features are Big Gulch Creek, approximately 0.4 miles off-site to the south, and another unnamed waterway approximately 0.4 miles off-site to the west. Both streams are documented as Coho habitat and Big Gulch Creek is listed as habitat for Resident Coastal Cutthroat Trout.

# <u>Washington Department of Natural Resources (DNR) Forest Practices Application Mapping Tool (FPAMT)</u>

No wetlands or streams are mapped on site by DNR. A wetland is mapped approximately 250 feet off-site to the east of the subject property, mapped as non-fish habitat. The two off-site streams mapped by WDFW are the closest streams to the site. DNR depicts a water type break for the unnamed stream 0.4 miles west of the site where it becomes a Type F stream.

#### Snohomish County PDS Map Portal

No wetlands or streams are mapped on or near the site by Snohomish County. The closest mapped stream is a non-fish seasonal stream located approximately 250 feet south of the property. A wetland is mapped approximately 250 feet off-site to the east, east of 53<sup>rd</sup> Ave W. A remote sensing-based potential wetland is mapped approximately 200 feet off-site to the west, west of Hargreaves Place.

### City of Mukilteo Online Critical Areas Map

No wetlands or streams are mapped on site by this source. Smuggler's Gulch Creek is mapped off-site to the east and north. According to Mukilteo Municipal Code (MMC) 17.52C.080, this stream is classified as a Type 4. As a low mass wasting channel, a 50 foot buffer is required by MMC 17.52C.090.A.1 The buffer does not reach the subject property. The same off-site wetlands mapped by Snohomish County are shown by this source.

#### METHODOLOGY

The presence of wetlands was determined using the routine determination approach described in the Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0) (U.S. Army Corps of Engineers 2010). Under the routine methodology, the process for making a wetland determination is based on three steps:

- 1.) Examination of the site for hydrophytic vegetation (species present and percent cover);
- 2.) Examination of the site for hydric soils;
- 3.) Determining the presence of wetland hydrology

The ordinary high-water marks (OHWM) of streams and waterbodies were identified using the methodology described in *Determining the Ordinary High-Water Mark for Shoreline Management Act Compliance in Washington State* (Anderson et al. 2016). Streams and lakes were classified according to the water typing system provided in Mukilteo Municipal Code (MMC) 17B.52C.080.

#### **FINDINGS**

No wetlands, streams or buffers are located on the subject property. No areas on or near the site exhibit the combined positive indicators of hydrophytic vegetation, hydric soils, and wetland hydrology. A depressional area in the eastern portion of the property, adjacent to 53<sup>rd</sup> Ave W, contains a non-hydrophytic vegetation community and bright, non-hydric soils. Buffers from off-site critical areas do not reach the site.

#### **USE OF THIS REPORT**

This Critical Area Reconnaissance Report is supplied to Sea Pac Homes as a means of determining the presence of on-site and nearby critical areas. This report is based largely on readily observable conditions and, to a lesser extent, on readily ascertainable conditions. No attempt has been made to determine hidden or concealed conditions.

The laws applicable to critical areas are subject to varying interpretations and may be changed at

any time by the courts or legislative bodies. This report is intended to provide information deemed relevant in the applicant's attempt to comply with the laws now in effect.

This report conforms to the standard of care employed by ecologists. No other representation or warranty is made concerning the work or this report and any implied representation or warranty is disclaimed.

Wetland Resources, Inc.

John Laufenberg
Principal Ecologist

Professional Wetland Scientist

## WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region

Project/Site: Sea Pac Homes - 53rd Ave W	(	City/Count	y: Mukilteo		Sampling Date: 3/29/21	
Applicant/Owner: Sea Pac Homes				State: WA	Sampling Point: S1	
Investigator(s): JL Section, Township, Range; SEC 16, TWP 28N, RGE 4E						
Landform (hillslope, terrace, etc.):						
Subregion (LRR): LRR-A	Lat: 47.9	16617		Long: -122.306578	Datum: WSP1984	
Soil Map Unit Name: Alderwood				NWI classifica	tion: none	
Are climatic / hydrologic conditions on the site typical for this	time of yea	ır? Yes ✓	No (I	f no, explain in Remarks.)		
Are Vegetation, Soil, or Hydrology signifi	cantly distur	rbed?	Are "Nori	mal Circumstances" preser	nt? Yes ✓ No	
Are Vegetation, Soil, or Hydrology natura	lly problema	atic?	(If needed	d, explain any answers in F	Remarks.)	
SUMMARY OF FINDINGS - Attach site map	showing	samplin	g point l	ocations, transects,	important features, etc.	
Hydrophytic Vegetation Present?						
Hydric Soil Present? Yes No ✓						
Wetland Hydrology Present? Yes No ✓		WILL	ili a vvetiai	nd? YesN	∘.✓	
Remarks:						
×						
VECETATION . Her exicutific names of plants	4-					
VEGETATION – Use scientific names of plan		Danisan	Indiantas	Dominance Test works	phone:	
Tree Stratum (Plot size: 10m x 10m)	Absolute % Cover		Indicator Status	Number of Dominant Sp		
Pseudotsuga menziesii	90	Υ	FACU	That Are OBL, FACW, o		
2				Total Number of Domina	ant	
3				Species Across All Strat	4	
4	-		-	Percent of Dominant Sp	ecies	
Cooling (Charles Charles (Diet size, 5m x 5m)	90	= Total C	over	That Are OBL, FACW, o		
Sapling/Shrub Stratum (Plot size: 5m x 5m)  1. Rubus spectabilis	30	Υ	FAC	Prevalence Index work	sheet:	
2. Rubus armeniacus	20	Y	FAC	Total % Cover of:	Multiply by:	
3			-		x 1 = 0	
4				FACW species		
5	-			FAC species 50	x 3 = 150	
	50	= Total C	Cover	FACU species 120 x 4 = 480		
Herb Stratum (Plot size: 1m x 1m)	00	V	EAGLI	UPL species	x 5 = 0	
1. Rubus ursinus	10		FACU	Column Totals: 170	(A) <u>630</u> (B)	
2. Polystichum munitum			TACO	Prevalence Index	= B/A = 3.7	
3				Hydrophytic Vegetatio		
4.       5.				Rapid Test for Hydro		
6.			-	Dominance Test is		
7				Prevalence Index is	≤3.0 <sup>1</sup>	
8.				Morphological Adap	tations <sup>1</sup> (Provide supporting	
9.				l	or on a separate sheet)	
10				Wetland Non-Vascu		
11,				I	hytic Vegetation <sup>1</sup> (Explain)	
Woody Vine Stratum (Plot size: 1m x 1m)	30	= Total C	Cover	be present, unless distu	and wetland hydrology must rbed or problematic.	
1		-		Hydrophytic		
2				Hydrophytic Vegetation		
N.D. 0 11 11 1 21 1 70	0	= Total C	over	Present? Yes	s No√	
% Bare Ground in Herb Stratum 70				<u></u>		
Incinains.						

Sampling Point: S1

Profile Des	scription: (Describ	e to the depti	h needed to document the indicat	tor or confirm	the absence of indicators.)
Depth	Matrix	D/	Redox Features	1 , 2	
(inches)	Color (moist)		Color (moist) % Type	Loc <sup>2</sup>	Texture Remarks
0-8	10YR 3/2	100			
8-16	10 YR 4/4	100		_	
	3.3				
	-			- 7	
	-		3 2	-,2,	
1- 0					21 11 21 21 21 21 21 21 21 21 21 21 21 2
			Reduced Matrix, CS=Covered or Co .RRs, unless otherwise noted.)	bated Sand Gr	rains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.  Indicators for Problematic Hydric Soils <sup>3</sup> :
		Cable to all E	_		
Histoso	ы (А1) Epipedon (A2)	ŀ	Sandy Redox (S5) Stripped Matrix (S6)		☐ 2 cm Muck (A10)☐ Red Parent Material (TF2)
	Histic (A3)	F	Loamy Mucky Mineral (F1) (exc	ent MI PA 1)	Very Shallow Dark Surface (TF12)
=	en Sulfide (A4)	ħ	Loamy Gleyed Matrix (F2)	optiments 1)	Other (Explain in Remarks)
_	ed Below Dark Surfa	ce (A11)	Depleted Matrix (F3)		
_	Dark Surface (A12)	, , , , , , , , , , , , , , , , , , ,	Redox Dark Surface (F6)		<sup>3</sup> Indicators of hydrophytic vegetation and
=	Mucky Mineral (S1)	Ē	Depleted Dark Surface (F7)		wetland hydrology must be present,
	Gleyed Matrix (S4)	[	Redox Depressions (F8)		unless disturbed or problematic.
Restrictive	Layer (if present):	2			
Type:					
Depth (i	inches):				Hydric Soil Present? Yes No ✓
IYDROL			=		
	ydrology Indicators				
_	•	one required	; check all that apply)	. / 4 <b>541</b> F	Secondary Indicators (2 or more required)
=	e Water (A1)		Water-Stained Leaves (B9)	(except MLF	
	/ater Table (A2)		1, 2, 4A, and 4B)		4A, and 4B)
=	tion (A3)		Salt Crust (B11)		Drainage Patterns (B10)
=	Marks (B1)		Aquatic Invertebrates (B13	,	Dry-Season Water Table (C2)
_	ent Deposits (B2)		Hydrogen Sulfide Odor (C1	-	Saturation Visible on Aerial Imagery (C9)
=	eposits (B3)		Oxidized Rhizospheres alo		
= -	lat or Crust (B4)		Presence of Reduced Iron	. ,	Shallow Aquitard (D3)
=	eposits (B5)		Recent Iron Reduction in T	`	
_	e Soil Cracks (B6)	lun = = = : /D=1	Stunted or Stressed Plants		
=	tion Visible on Aerial			)	Frost-Heave Hummocks (D7)
	ly Vegetated Concav	ve Surrace (Bi	·)		
Field Obse		, <del>–</del>	<b>7 D 1 C 1 D</b>		
	ater Present?	Yes No			
	le Present?	Yes No	4		
Saturation		Yes No	✓ Depth (inches):	Wetl	and Hydrology Present? Yes No ✓
	apillary fringe) lecorded Data (strea	m galide mor	nitoring well, aerial photos, previous	inspections)	if available:
2000 IN	Data (Silea	gaago, moi			TO THE PROPERTY OF THE PROPERT
Domonto					
Remarks:					

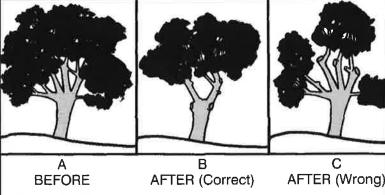
## WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Sea Pac Homes - 53rd Ave W		City/Co	ounty	Mukilteo		Sampling Date: 3/29/21
Applicant/Owner: Sea Pac Homes					State: WA Sampling Point: S2	
Investigator(s): JL			8	Section, To	wnship, Range: SEC 16,	TWP 28N, RGE 4E
Landform (hillslope, terrace, etc.):				f (concave,	convex, none):	Slope (%):
Subregion (LRR): LRR-A	_ Lat: _47.9	16617	7°		Long: -122.306578"	Datum: WGS84
Soil Map Unit Name: Alderwood					NWI classificat	ion: none
Are climatic / hydrologic conditions on the site typical for this	time of yea	r? Ye	s√	No (If	no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology significant	cantly distur	bed?		Are "Norn	nal Circumstances" preser	nt? Yes√ No
Are Vegetation, Soil, or Hydrology natural	lly problema	atic?		(If needed	, explain any answers in R	emarks.)
SUMMARY OF FINDINGS - Attach site map s	showing	samp	oling	point lo	ocations, transects,	important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes No V		Is the Sampled Area				
Hydric Soil Present?  Wetland Hydrology Present?  Yes No V		within a Wetland? Yes No ✓				
Remarks:						
VEGETATION - Use scientific names of plant	ts.					
Tree Stratum (Plot size: 10	Absolute % Cover			Indicator	Dominance Test works	
Pseudotsuga menziesii	70	Y	1601	FACU	Number of Dominant Sp That Are OBL, FACW, o	
2. Thuja plicata	20	Υ		FAC	Total Number of Domina	
3.					Species Across All Strat	4
4			_		Percent of Dominant Sp.	ecies
Sapling/Shrub Stratum (Plot size: 5	90	= To	tal Co	over	That Are OBL, FACW, o	
1. Rubus armeniacus	20	Y		FAC	Prevalence Index work	sheet:
2.					Total % Cover of:	Multiply by:
3					OBL species 0	x 1 = 0
4		-			FACW species 0	x 2 = 0
5		-	_		FAC species 40	x 3 = 120 x 4 = 320
Herb Stratum (Plot size: 1	20	= To	tal Co	over	FACU species 80 UPL species 0	x = 520 x = 520
1. Polystichum munitum	10	Υ		FACU	Column Totals: 120	(A) 440 (B)
2.					Goldmin Foldie.	(*)
3		-	_		Prevalence Index	
4		-	_		Hydrophytic Vegetatio	
5		,	_		Rapid Test for Hydro	
6	-	(i <del>g</del>	_		Dominance Test is >	
7.,						tations¹ (Provide supporting
8			_			or on a separate sheet)
9			_		Wetland Non-Vascu	lar Plants <sup>1</sup>
10					Problematic Hydrop	hytic Vegetation <sup>1</sup> (Explain)
11	10	= To	tal C	over	<sup>1</sup> Indicators of hydric soil be present, unless distu	and wetland hydrology must
Woody Vine Stratum (Plot size: 1		y			be present, unless distu	ped of problemation
1					Hydrophytic	
2		_	_		Vegetation	
% Bare Ground in Herb Stratum 90	0	= To	tal C	over	Present? Yes	No ✓
Remarks:						

Sampling Point: S2

Profile Des	cription: (Describe	to the dep	th needed to document the indicator or confirm	m the absence of indicators.)
Depth	Matrix		Redox Features	
(inches)	Color (moist)	%	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
0-10	10YR 3/2	100		
10-16	10 YR 4/4	100		
				( <del>)</del>
-				
			=Reduced Matrix, CS=Covered or Coated Sand G	
		cable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Redox (S5)	2 cm Muck (A10)
	ipedon (A2)		Stripped Matrix (S6)	Red Parent Material (TF2)
Black Hi			Loamy Mucky Mineral (F1) (except MLRA 1)	
	n Sulfide (A4)	/^44	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
,	l Below Dark Surfac irk Surface (A12)	e (ATT)	Depleted Matrix (F3) Redox Dark Surface (F6)	<sup>3</sup> Indicators of hydrophytic vegetation and
	lucky Mineral (S1)		Depleted Dark Surface (F7)	wetland hydrology must be present,
	leyed Matrix (S4)		Redox Depressions (F8)	unless disturbed or problematic.
	Layer (if present):			diffece distarbed of problematic.
Type:	, (,,-			
Depth (in	ches):			Hydric Soil Present? Yes No ✓
Remarks:				Tryunc con resent: Tes No_v
Remarks.				
HYDROLO	GY			
	drology Indicators			
			d; check all that apply)	Secondary Indicators (2 or prove required)
		one require		Secondary Indicators (2 or more required)
	Water (A1)		Water-Stained Leaves (B9) (except ML	_
Saturation	ter Table (A2)		1, 2, 4A, and 4B)	4A, and 4B)
	arks (B1)		☐ Salt Crust (B11) ☐ Aquatic Invertebrates (B13)	☐ Drainage Patterns (B10) ☐ Dry-Season Water Table (C2)
	t Deposits (B2)			
-			Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
	osits (B3)		Oxidized Rhizospheres along Living Roo	
-	t or Crust (B4) osits (B5)		Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
	` '		Recent Iron Reduction in Tilled Soils (Cf	The state of the s
	Soil Cracks (B6) on Visible on Aerial	Imagas: /D:	Stunted or Stressed Plants (D1) (LRR A	A) Raised Ant Mounds (D6) (LRR A)  Frost-Heave Hummocks (D7)
				Frost-Heave Hummocks (D7)
Field Obser	Vegetated Concav	e Surface (t	20)	
Surface Wat			Depth (inches):	
Water Table			Depth (inches):	
Saturation P		Yes No	Depth (inches): Wet	tland Hydrology Present? Yes No ✓
(includes ca		n naune m	onitoring well, aerial photos, previous inspections)	) if available:
Posoune Ke	colded Data (Stied)	ii gauge, iik	Amorning well, decidi priotos, previous inspections)	n available.
Demostr				
Remarks:				
I				

plant materials with which to work. On disturbed sites where plants such as blackberry, Scot's broom, thistle, dock, tansy and Bracken fern predominate, you may want to judiciously clear them out and establish native or ornamental plantings. This can require a lot of work and dedication and can constrict tree growth and contribute to mortality. It should therefore be removed from the trunks of trees. Ivy also tends to cascade over sheer bluff faces. While it offers little rooting protection it does protect exposed bluff faces from wind and rain erosion. Ivy is emphatically often that the food reserves needed for growth are depleted. Generally, a fiveyear maintenance schedule for most brush species will be adequate. Severity of pruning or trimming should be commensurate with the ability of the plant to tolerate the pruning damage.



## Illustration 13: PRINING PRACTICES: Broad leaved trees

on the part of the landowner. It should be done by hand to reduce damage to potentially unstable areas. In the case of horsetail, be fore-warned that trying to dig them out only makes them thrive, but sometimes establishing a dense growth of evergreen shrubs will discourage their growth. Refer to Slope Stabilization and Erosion Control Using Vegetation for some helpful suggestions.

**Note:** English ivy is common on many sites. It has a tendency to climb trees

not recommended for new plantings, but if it exists on a site it can be of some protective value. It is almost impossible to eradicate once it has become established.

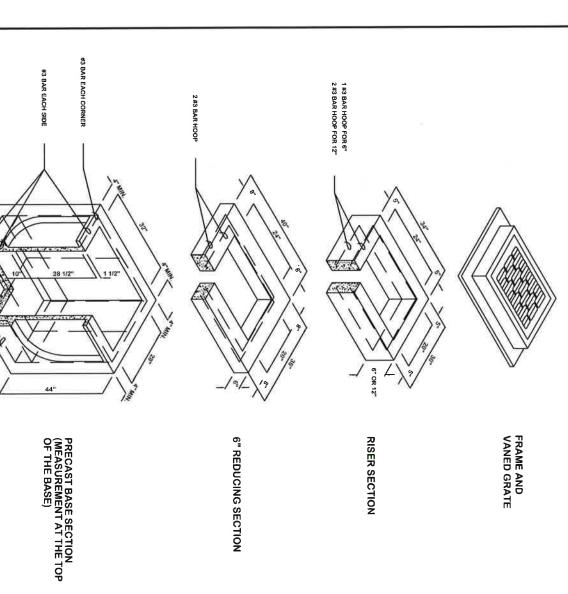
# When is the best time to cut back vegetation?

Generally, the best time to trim woody vegetation is the period between late fall and early spring, when the plant is dormant. The frequency of trimming should not be so

## Should I install a lawn?

Bluff-top property owners often install large expanses of lawn subsequent to land clearing. Lawns are relatively inexpensive to establish and maintain, and allow free access and open space around residences. They are especially good groundcovers for septic drainfields because of their shallow rooting. However, the shallow rooting of most grasses that makes them attractive cover for drainfields means their erosion control values are limited.

On sites where soil erosion and surface water runoff could be of concern it would be wise to limit the area of lawn. While low-growing or closely cropped vegetation (like lawns) helps filter and trap sediments to some extent, its capacity to do so is limited when compared to other groundcovers. During heavy rain periods, areas covered by



NOTES:

- CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C478 (AASHTOM 199) & C890 UNLESS OTHERWISE SHOWN SPECIFICATIONS. ON PLANS OR NOTED IN THE WSDOT/APWA STANDARD
- A497 (AASHTOM 221). WIRE FABRIC SHALL NOT BE PLACED IN AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MIN. AREA OF 0.12 SQUARE INCHES PER FOOT KNOCKOUTS. MAY BE USED. WELDED WIRE FABRIC SHALL COMPLY TO ASTM
- 4000. ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE CLASS
- PROVIDED KNOCKOUTS. UNUSED KNOCKOUTS NEED NOT BE 2" MIN AND 2.5" MAX. ALL PIPE SHALL BE INSTALLED IN FACTORY KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR GROUTED IF WALL IS LEFT INTACT.
- KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAM. PLUS CATCH BASIN WALL THICKNESS.

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- KNOCKOUTS MAY BE ON ALL 4 SIDES, WITH MAX. DIAM. OF 28" KNOCKOUTS MAY BE EITHER ROUND OR "D" SHAPE.
- 9 THE MAX. DEPTH FROM THE FINISHED GRADE TO THE PIPE INVERT
- RISER SECTION SHALL NOT EXCEED 2"/FT. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION AND IS 5'-0".
- 9 RR-F-62ID. MATING SURFACES SHALL BE FINISHED TO ASSURE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION ACCORDANCE WITH STANDARD SPECIFICATIONS AND MEET CATCH BASIN INSERT FRAME AND GRATE SHALL BE IN NON-ROCKING FIT WITH ANY COVER POSITION.
- 6 FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.
- 11. FOR CATCH BASINS IN PARKING LOTS REFER TO WSDOT/APWA STANDARD DWG. B-5.60.
- 12. EDGE OF REDUCING SECTION OR BRICK SHALL NOT BE MORE THAN 2" FROM VERTICAL EDGE OF CATCH BASIN WALL.
- 13. MINIMUM 4" ADJUSTMENT SECTION BETWEEN BOTTOM OF GRATE AND TOP OF BASE SECTION.

APPROVED FOR PUBLICATION

REVISION DATE

#3 BAR EACH WAY

11/22/2016 DATE

> **CATCH BASIN TYPE-1L** 18"-28" PIPE DIA.

STANDARD PLAN NO.

MUKILTEO

11/18/2016

DATE

CITY ENGINEER

SW-002

			41	