# HERON MEADOWS SUBDIVISION LEWIS RIVER ROAD WOODLAND, WASHINGTON FEBRUARY 2020

PARCEL 3 & PART OF PARCEL 2,
OF THE SURVEY
FILED IN VOL. 37 PG. 74
LOCATED IN THE JOSEPH EATON D.L.C.,
AND THE NE1/4 NE1/4 SEC. 18, SE1/4 SE1/4 7,
SW1/4 SW1/4 8, AND THE NW1/4 NW1/4 SEC. 17
ALL LOCATED IN
TOWNSHIP 5 NORTH, RANGE I EAST, W.M.
COWLITZ COUNTY, WASHINGTON

SHEET INDEX

C-3 PRELIMINARY PLAT & SITE PLAN

C-7 A STREET PLAN AND PROFILE

C-8 B STREET PLAN AND PROFILE
C-9 C STREET PLAN AND PROFILE

C-10 EROSION CONTROL PLAN

C-12 STANDARD DETAILS

C-13 STANDARD DETAILS

C-14 STANDARD DETAILS

C-15 STANDARD DETAILS

GRADING AND DRAINAGE PLAN

C-2 EXISTING CONDITIONS

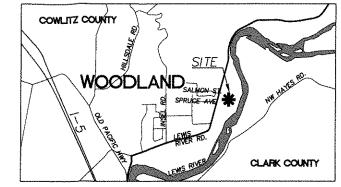
C-1 COVER

C-5 UTILITY PLAN

C-6 TREE PLAN

C-11 DETAILS

# SCALE IN FEE EXISTNG SHOP



VICINITY MAP

# LEGEND

EXISTING CATCH BASIN PROPOSED CATCH BASIN EXISTING MANHOLE PROPOSED MANHOLE O-\. PROPOSED STREET LIGHT 216.2 EXISTING SPOT ELEVATION EXISTING FIRE HYDRANT X. PROPOSED FIRE HYDRANT EXISTING WATER VALVE PROPOSED WATER VALVE. PROPOSED WATER BLOW OFF ROADWAY CENTERLINE EXISTING RIGHT-OF-WAY EXISTING PROPERTY LINES PROPOSED RIGHT-OF-WAY EXISTING EDGE OF PAVEMENT PROPOSED EDGE OF PAVEMENT EXISTING SANITARY SEWER PROPOSED SANITARY SEWER EXISTING STORM SEWER PROPOSED STORM SEWER - G - EXISTING GAS LINE --- W ---- EXISTING WATER LINE --- PROPOSED WATER LINE - EXISTING OVERHEAD ELECTRIC REMOVE TREE



APPLICANT:
SAGE INVESTMENT HOLDINGS, LLC
2215 LEWIS RIVER ROAD
WOODLAND, WASHINGTON 98674
CONTACT: ANDREW LOUD
503-799-6125
EMAIL: ANDREWCLOUD®YAHOO.COM

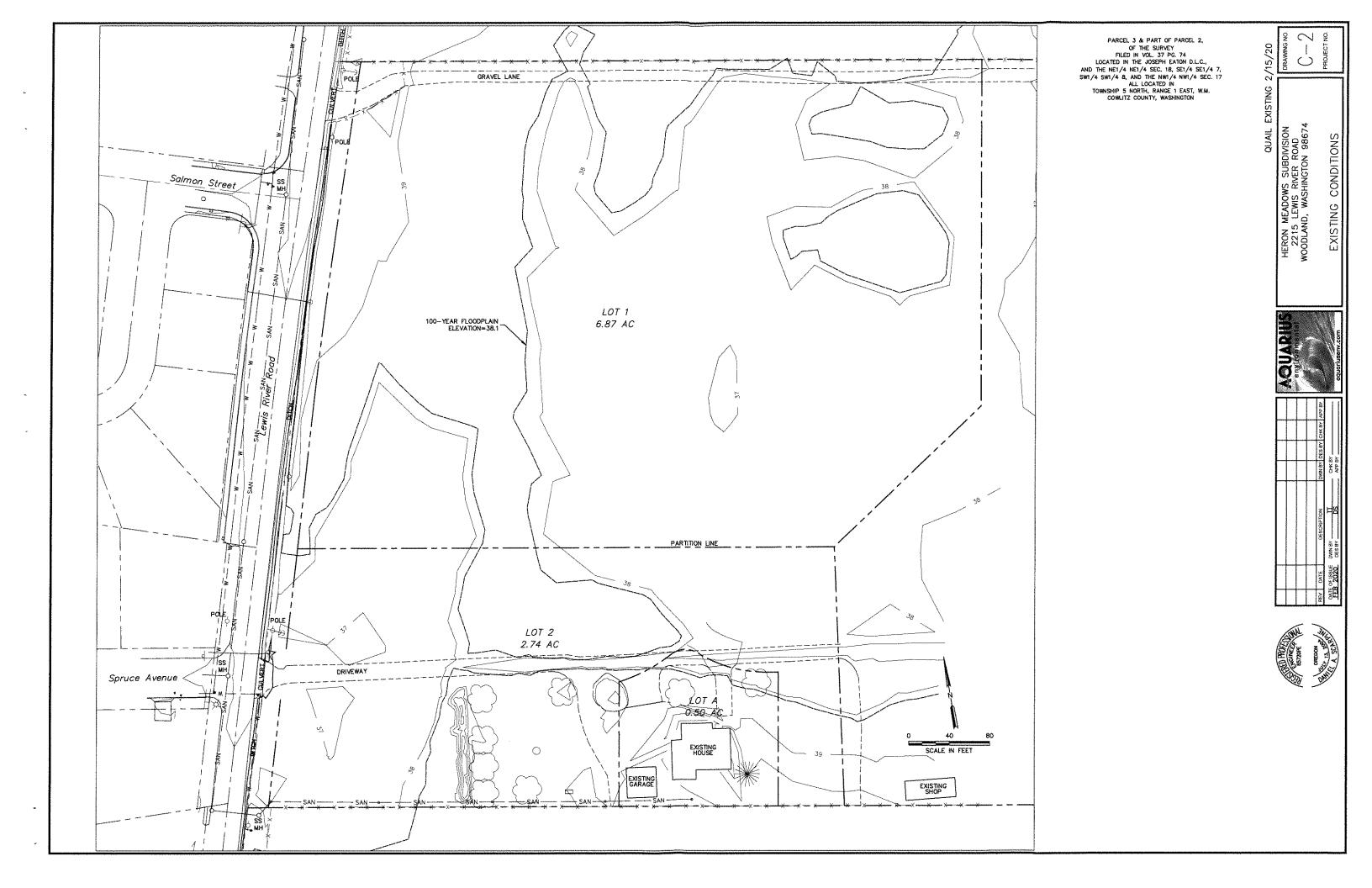
PROPOSED STREET TREE

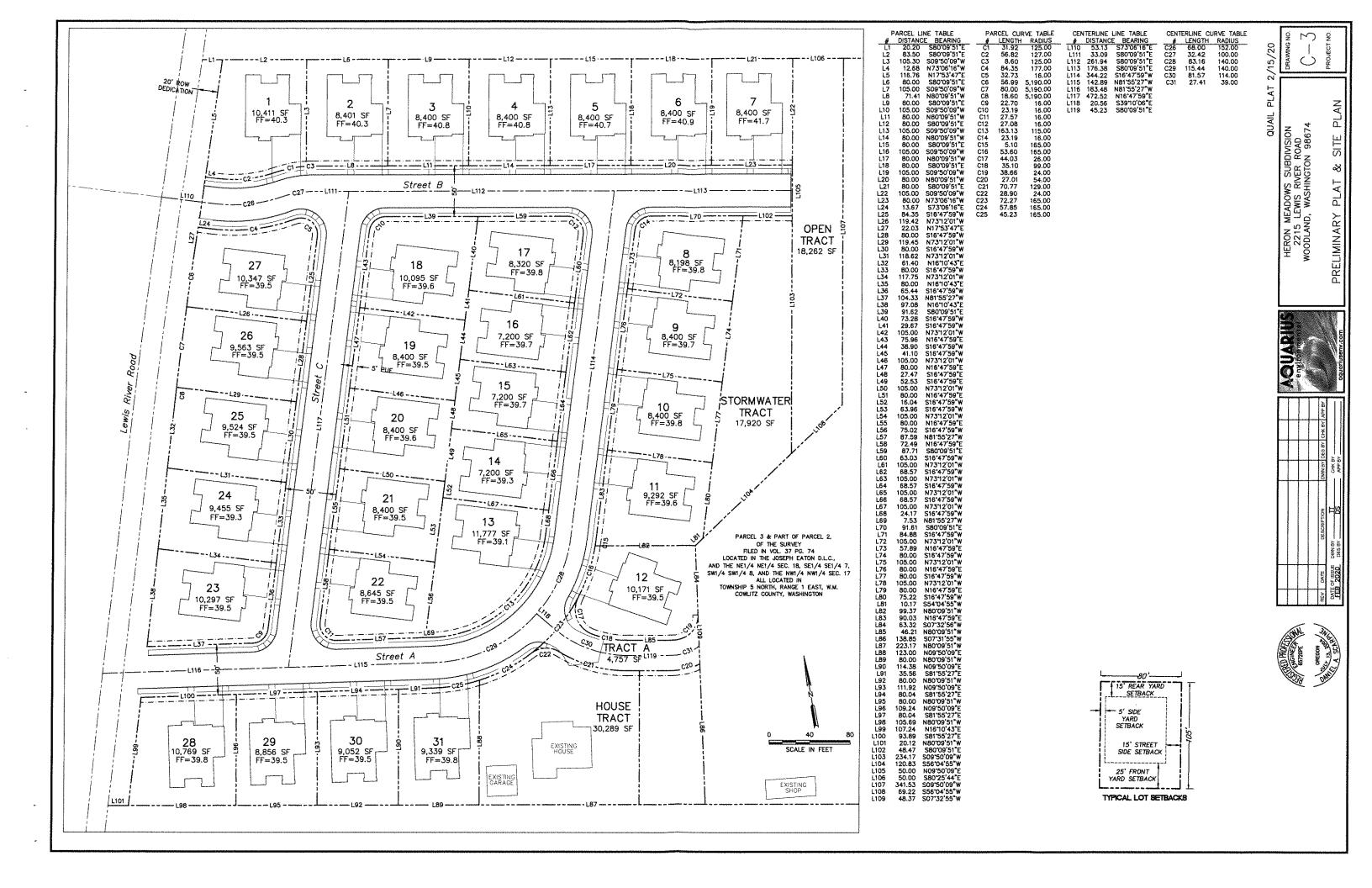
CIVIL ENGINEER:
DANIEL SCARPINE, P.E.
AQUARIUS ENMRONMENTAL, LLC
2117 NE ORECON STREET
PORTLAND, OR 97232
503—828—0265
daniels@aquariusenv.com

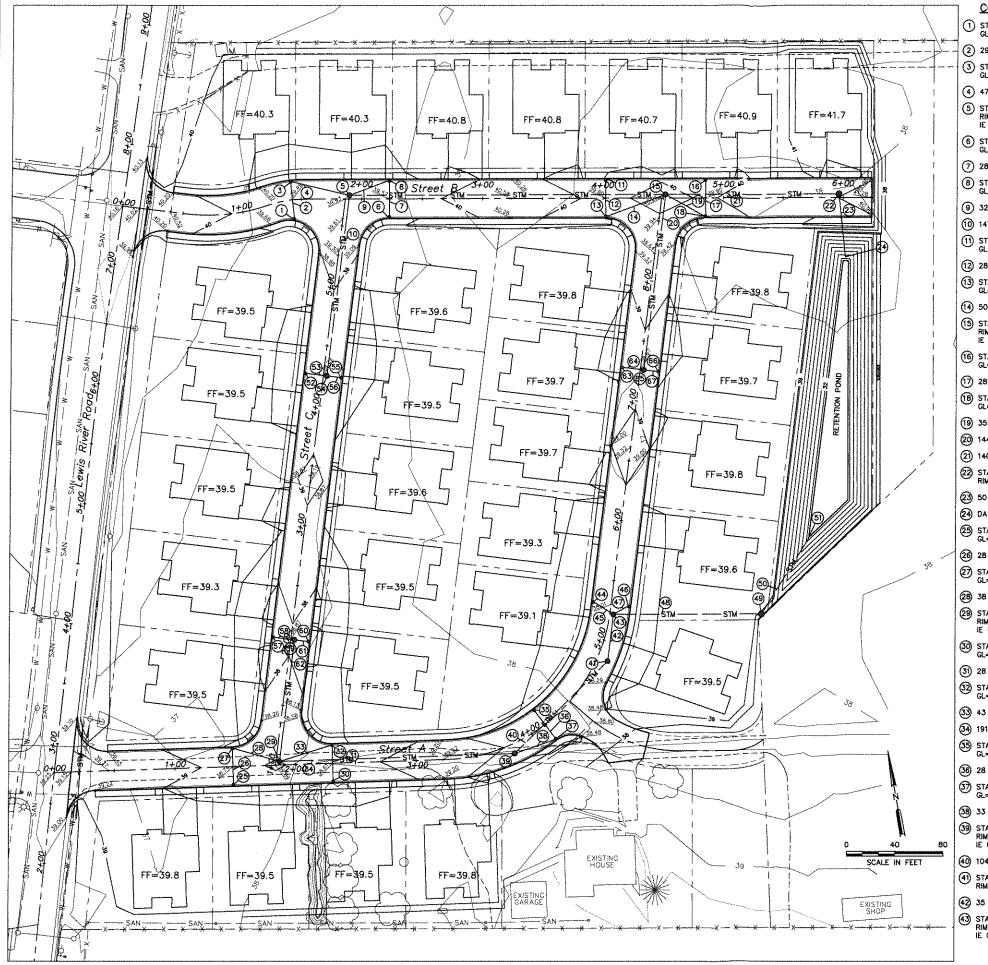
HERON MEADOWS SUBDIN 2215 LEWIS RIVER RC WOODLAND, WASHINGTON



		APP BY	100 + 1 Amelia A
		DWN BY DES BY CHK BY APP BY	
		DES BY	
		DWN BY	CHK BY APP BY
		DESCRIPTION	DES BY DS
		OATE	PATE OF ISSUE FEB 2020
		REV	網
			1







#### CONSTRUCTION NOTES

- ① STA 1+41.8 RT 16' CURB INLET PER STD DWG D-03 GL=39.15, RIM=38.86, IE=36.36
- (2) 29 LF 12" HDPE AT 1.0% SLOPE
- (3) STA 1+42.6 LT 16' CURB INLET PER STD DWG D-03 GL=39.17, RIM=38.88, IE=36.07
- (4) 47 LF 12" HOPE AT 1.0% SLOPE
- 5 STA 1+90.0 LT 3' MANHOLE PER STD DWG D-10 RIM=39.74, IE IN(NW)=35.60, IE IN(NE)=35.86 IE OUT(E)=33.90
- 6 STA 2+22.8 RT 16' CURB INLET PER STD DWG D-03 GL-39.25, RIM-38.96, IE-36.46
- (7) 28 LF 12" HDPE AT 1.0% SLOPE
- 8 STA 2+22.8 LT 16' CURB INLET PER STD DWG D-03 GL=39.25, RIM=38.96, IE=36.18
- (9) 32 LF 12" HDPE AT 1.0% SLOPE
- (10) 147 LF 12" HDPE AT 0.40% SLOPE
- (1) STA 4+02.3 LT 16' CURB INLET PER STD DWG D-03 GL=39.57, RIM=39.28, IE=36.78
- (12) 28 LF 12" HDPE AT 1.0% SLOPE
- (13) STA 4+02.3 RT 16' CURB INLET PER STD DWG D-03 GL=39.57, RIM=39.28, IE=36.50
- (14) 50 LF 12" HDPE AT 1.0% SLOPE
- (5) STA 4+52.0 LT 3' MANHOLE PER STD DWG D-10 RIM=40.16, IE IN(W&S)=33.32, IE IN(SW)=36.00 IE IN(SE)=36.15, IE OUT(E)=33.32
- (16) STA 4+84.9 LT 16' CURB INLET PER STD DWG D-03
- (17) 28 LF 12" HDPE AT 1.0% SLOPE
- (B) STA 4+84.9 RT 16' CURB INLET PER STD DWG D-03 GL=39.57, RIM=39.28, IE=36.50
- (19) 35 LF 12" HDPE AT 1.0% SLOPE
- (20) 144 LF 12" HDPE AT 0.40% SLOPE
- (21) 140 LF 12" HDPE AT 0.40% SLOPE
- 22 STA 5+96.5 LT 3' SED MANHOLE PER STD DWG D-11 RIM=40.95, IE IN(W)=33.00, IE IN(S)=33.00
- (23) 50 LF 12" HOPE AT 1.00% SLOPE
- (24) DAYLIGHT AT IE=32.5
- (25) STA 1+48.3 RT 16' CURB INLET PER STD DWG D-03 GL=38.42, RIM=38.13, IE=35.63
- (26) 28 LF 12" HDPE AT 1.0% SLOPE
- (27) STA 1+48.3 LT 16' CURB (NLET PER STD DWG D-03 GL=38.42, RIM=38.13, IE=35.35
- (28) 38 LF 12" HDPE AT 1.0% SLOPE
- (29) STA 1+87.0 LT 3' MANHOLE PER STD DWG D-10 RIM=38.99, IE IN(NW)=34.97, IE IN(N)=33.59 IE IN(NE)=34.79, IE OUT(E)=33.59
- 30 STA 2+31.2 RT 16' CURB INLET PER STD DWG D-03 GL=38.29, RIM=38.00, IE=35.50
- (31) 28 LF 12" HDPE AT 1.0% SLOPE
- 32 STA 2+31.2 LT 16' CURB INLET PER STD DWG D-03 GL=38.29, RIM=38.00, IE=35.22
- (33) 43 LF 12" HDPE AT 1.0% SLOPE
- (34) 191 LF 12" HDPE AT 0.40% SLOPE
- (35) STA 4+13.6 LT 16' CURB INLET PER STD DWG D-03 GL=38.29, RIM=38.00, IE=35.50
- (36) 28 LF 12" HDPE AT 1.0% SLOPE
- (37) STA 4+13.6 LT 16' CURB INLET PER STD DWG D-03 GL=38.29, RIM=38.00, IE=35.22
- (38) 33 LF 12" HDPE AT 1.0% SLOPE
- (39) STA 3+80.6 RT 7.9' MANHOLE PER STD DWG D-10 RIM=38.66, IE IN(W)=33.16, IE IN(E)=34.89 IE OUT(NE)=33.16
- (40) 104 LF 12" HDPE AT 0.40% SLOPE
- (4) STA 4+85.2 RT 9.0' MANHOLE PER STD DWG D-10 RIM=38.03, IE=32.87
- (42) 35 LF 12" HDPE AT 0.40% SLOPE
- 43 STA 5+22.3 LT 3.0 MANHOLE PER STD DWG D-10 RIM=38.03, IE IN(NW)=34.73, IE IN(NE)=34.78 IE OUT(E)=32.73

- 49 SED MANHOLE PER STD DWG D-11 RIM=38.30, IE=32.25
- (50) 69 LF 12" HDPE AT 0.40% SLOPE
- (53) 15 LF 12" HDPE AT 1.0% SLOPE
- (54) STA 4+23.3 RT 3' MANHOLE PER STD DWG D-10 RIM=38.23, IE IN(W)=35.03, IE IN(E)=35.09 IE OUT(E)=34.23
- (55) STA 4+25.3 RT 16' CURB INLET PER STD DWG D-03 GL=37.97, RIM=37.68, IE=35.18
- (56) 9 LF 12" HDPE AT 1.0% SLOPE
- (57) STA 2+05.1 LT 16' CURB INLET PER STD DWG D-03 GL=37.55, RIM=37.26, IE=34.76
- (58) 15 LF 12" HDPE AT 1.0% SLOPE
- (59) STA 2+05.1 RT 3' MANHOLE PER STD DWG D-10 RIM=37.81, IE IN(W)=34.61, IE IN(E)=34.67
- 60 STA 2+05.1 RT 16' CURB INLET PER STD DWG D-03 GL=37.55, RIM=37.26, IE=34.76
- (61) 9 LF 12" HDPE AT 1.0% SLOPE
- (62) 102 LF 12" HDPE AT 0.40% SLOPE
- 63 STA 7+26.2 LT 16' CURB INLET PER STD DWG D-03 GL=38.35, RIM=38.06, IE=35.56
- (65) STA 7+26.2 RT 3' MANHOLE PER STD DWG D-10
- 66 STA 7+26.2 RT 16' CURB INLET PER STD DWG D-03 GL=38.35, RIM=38.06, IE=35.56
- (67) 9 LF 12" HDPE AT 1.0% SLOPE

- 44 STA 5+30.3 LT 16' CURB INLET PER STD DWG D-03 GL=37.69, RIM=37.40, IE=34.90
- (45) 17 LF 12" HDPE AT 1.0% SLOPE
- (48) STA 5+30.3 RT 16' CURB INLET PER STD DWG D-03 GL=37.69, RIM=337.40, IE=34.90
- (47) 12 LF 12" HDPE AT 1.0% SLOPE
- (48) 119 LF 12" HDPE AT 0.40% SLOPE

- (51) DAYLIGHT AT IE=32.0
- (52) STA 4+25.3 LT 16' CURB INLET PER STD DWG D-03 GL=37.97, RIM=37.68, IE=35.18

- IE OUT(E) = 34.23

- (64) 12 LF 12" HDPE AT 1.0% SLOPE
- RIM=38.59, IE IN(W)=35.41, IE IN(E)=35.47 IE OUT(N)=33.90

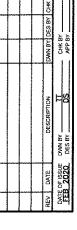
HERON MEADOWS SUBDI 2215 LEWIS RIVER R( WOODLAND, WASHINGTON

 $\bigcirc$ 

굽

DRAINAGE

AND







#### CONSTRUCTION NOTES

(1) CONNECT TO EXISTING MAIN

(2) INSTALL 6" GATE VALVE, BOX AND COVER PER STD DWG W-06

(3) INSTALL 1" WATER SERVICE, TYPICAL 31 PLACES PER STD DWG W-02

(4) INSTALL SANITARY SEWER MANHOLE, TYPICAL 13 PLACES PER STD DWG S-07

(5) INSTALL FIRE HYDRANT, TYPICAL 5 PLACES PER STD DWG W-14

(6) INSTALL LUMINAIRE ASSEMBLY PER STD DWG T40, 41, AND 42, TYPICAL 7 PLACES

(7) INSTALL 8" SANITARY SEWER MAIN

(8) CONNECT TO EXISTING SANITARY SEWER MANHOLE

(9) INSTALL STANDARD BLOW OFF, TYPICAL 2 PLACES PER STD DWG W-10

10 INSTALL 6" WATER MAIN

QUAIL UTILITY PLAN 2,

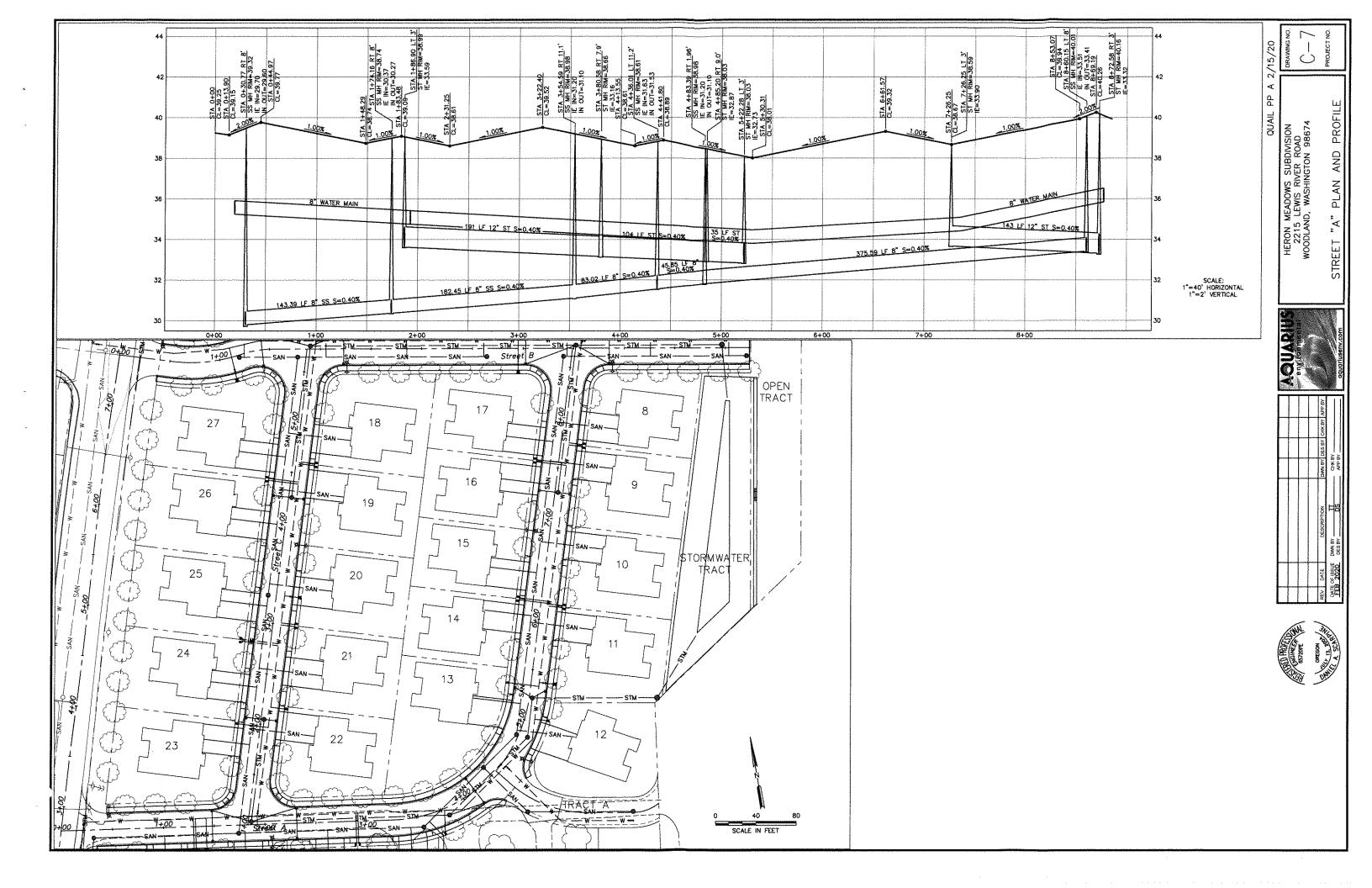
HERON MEADOWS SUBDIVISION 2215 LEWIS RIVER ROAD WOODLAND, WASHINGTON 98674

 $\bigcirc$ 

AQUAPIUS envitoring



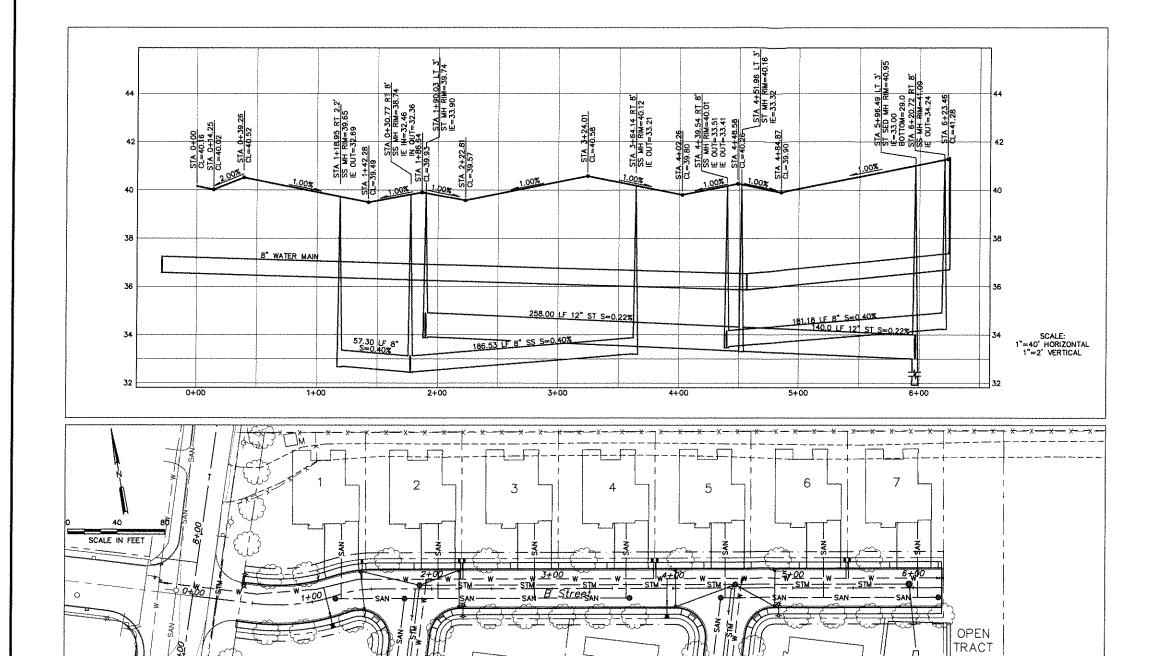




 $\infty$ ن

2/15/20 m ద

STREET "B" PLAN AND PROFILE HERON MEADOWS SUBDIVISION 2215 LEWIS RIVER ROAD WOODLAND, WASHINGTON 98674



SAN SAN

17

18

27

2/15/20
DRAWING NO.

C — 9
PROJECT NO.

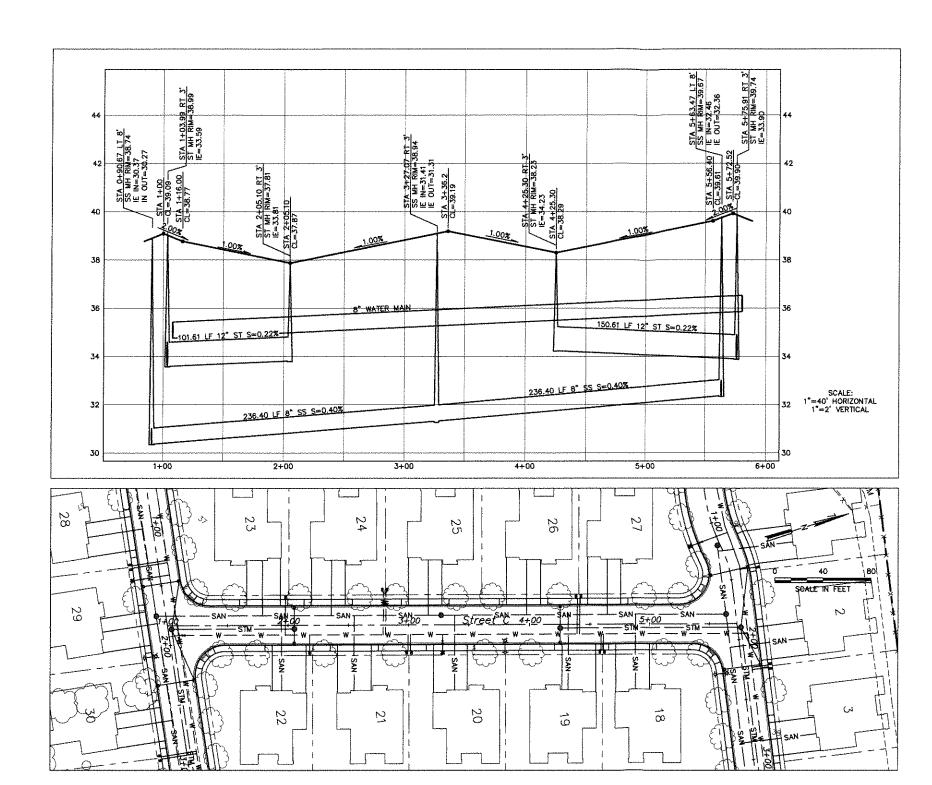
OAD 98674 (C.

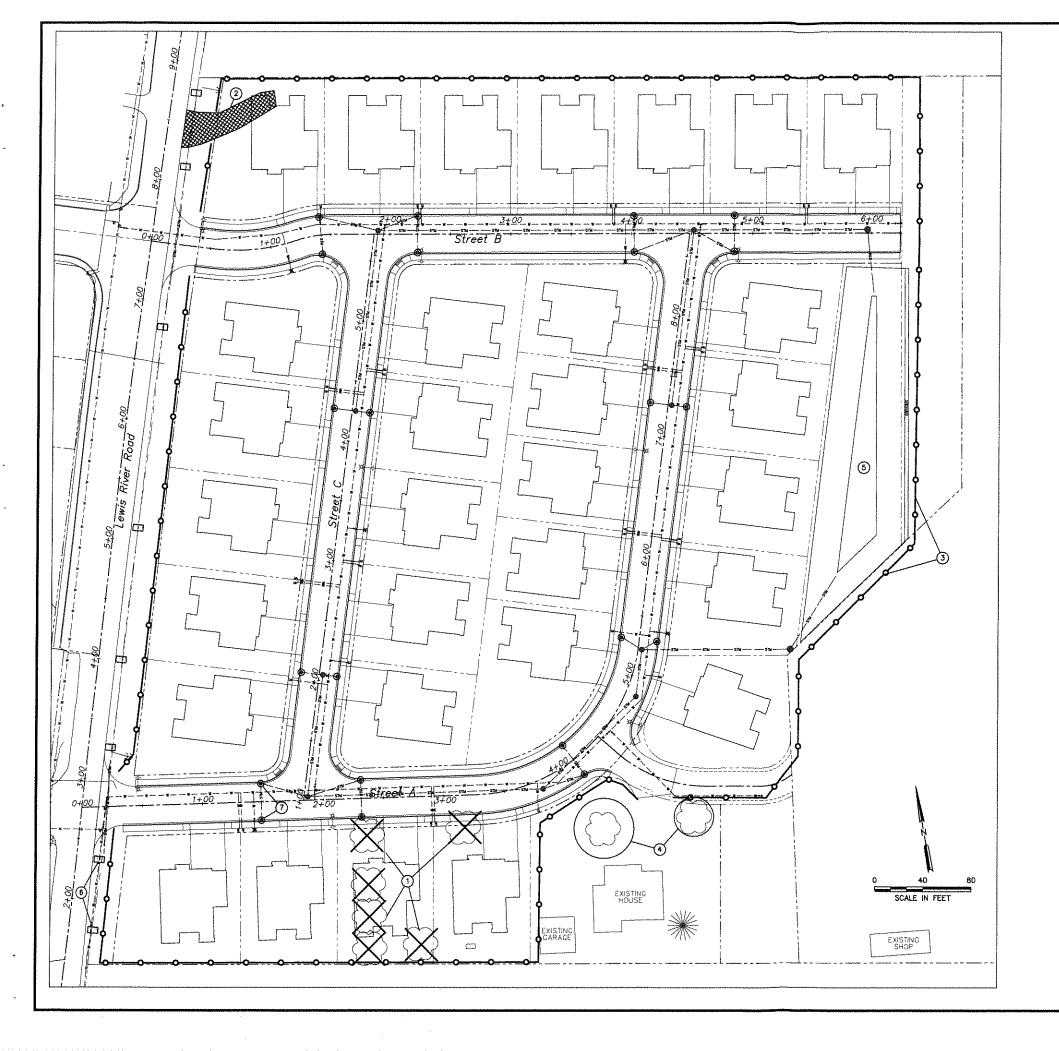
STREET "C" PLAN AND PROF

HERON 2215 WOODLAN

ACULA POR BY APP BY







#### CONSTRUCTION NOTES

- 1) REMOVE TREES
- 2 CONSTRUCTION ENTRANCE PER STD DWG E-05
- 3 SILT FENCE PER STD DWG E-20
- 4 TREE PROTECTION FENCE
- 5 SEED AND MULCH UNTIL LANDSCAPING CAN BE ESTABLISHED
- 6 BIO-FILTER BAGS OR STRAW WATTLES PER STD DWG E-16 ALONG ROADSIDE DITCH
- (7) INLET PROTECTION PER STD DWG E-16 AT EACH STORM INLET

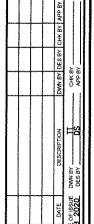


HERON MEADOWS SUBDIVISION 2215 LEWIS RIVER ROAD WOODLAND, WASHINGTON 98674

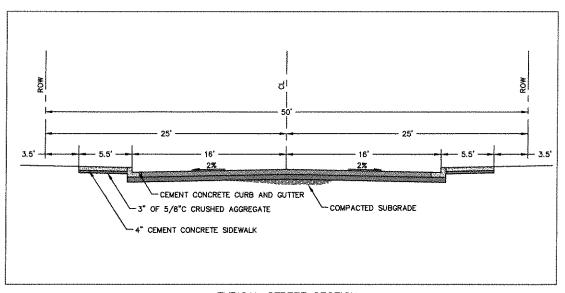




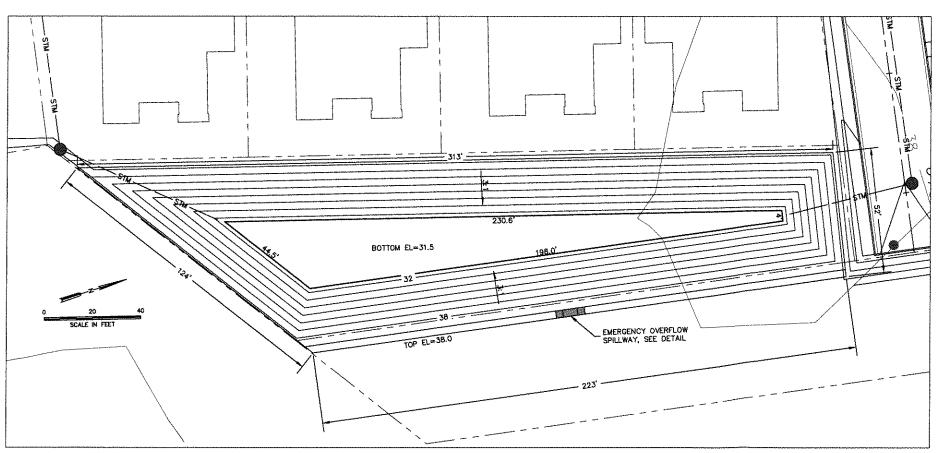




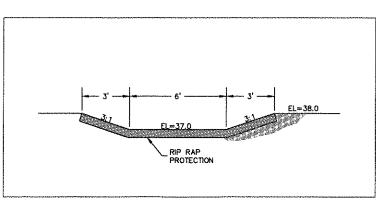




TYPICAL STREET SECTION



INFILTRATION BASIN



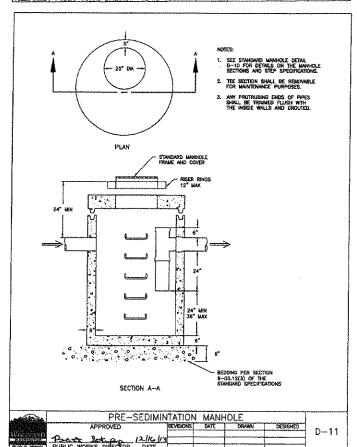
EMERGENCY OVERFLOW SPILLWAY

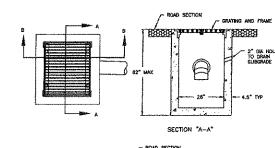
#### GENERAL NOTES FOR STORM SEWERS

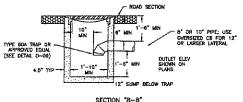
- ALL MATERALS AND INSTALLATION OF STORM SEWERS AND DRAWAGE SYSTEMS SHAPL BE IN CONFORMANCE WITH THE REQUIREMENTS IN THE CITY OF WOODLAND'S LATEST VERSION OF STANDARD DETAILS AND THE LATEST EXTENDED THE VERSION OF THE
- 2. ALL STORM SEWER AND DRAINAGE SYSTEM CONSTRUCTION IS SUBJECT TO INSPECTION AND APPR BY THE CITY OF WOODLAND'S PUBLIC WORKS DEPARTMENT. THE CONTRACTOR SHALL MOTIFY THE PUBLIC WORKS OFFICE (380) 225—7098 AT LEAST 48 HOURS PRIOR TO THE START OF ANY CONSTRUCTION. THE DITY MAY REQUIRE THAT A PRECONSTRUCTION CONFERENCE SE HELD.
- THE CONTRACTOR IS REQUIRED TO NOTIFY ALL UTILITIES 48 HOURS PRIDE TO COMMENCEMENT OF WORK. THE CONTRACTOR MAY CONTACT THE NORTHWEST UTILITY NOTIFICATION CENTER AT 1-800-424-5555 IN LIEU OF CONTACTING INDONEAU LITHLITIES.
- T SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND/OR CONTRACTOR TO PROCURE AND COMPLY WITH THE PROVISIONS OF ALL APPLICABLE PERMITS, EXSEMENTS, LICENSES AND CERTIFICATES IN CONJUNCTION WITH THE CONSTRUCTION OF STORM SENSES AND DRAINAGE SYSTEMS. COMPLIANCE SHALL BE AT ALL LICENSE, FEDERAL, STATE, AND CITY, RELATING TO THE PERFORMANCE OF THIS WORK. THE CONTRACTOR SHALL OBTAIN A STREET OUT PERMIT FOR WORK WITHIN THE PUBLIC RIGHT-OF-MAY.
- 5. THE CONTRACTOR SHALL OBTAIN AND SUBMIT AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO BEGINNING CONSTRUCTION. THE PLAN SHALL BE APPROVED BY THE PUBLIC WORKS DIRECTOR.

- WATER QUALITY DEVICES WILL BE INSTALLED AND FUNCTIONING PRIOR TO COMMENDE WITH INSTALLATION OF PROMEDIT FOR ALL SECTION OF PRIOR TO COMMENDE THE PROPERTY OF T
- 10. ALL CATCH BASINS SHALL BE STENCHED: "PROTECT STREAMS" OR "PROTECT GROUNDWATER."

		GENERAL	NOTES	FOR	STORM	SEWERS			
		APPROVED		REVISIONS	DATE	DRAWN	DESIGNED	D-01	
	<b>一次</b> 公文	Stre	والعالدا.	<u> </u>	<del> </del>				
į	SHOULD WARRY PURINC V	VORKS DIRECTOR	DATE						







- 5. ELBOW SECTION SHALL BE REMOVABLE FOR MAINTENANCE PURPOSES USING A BELL AND SPIGO

AND DESCRIPTION AND DESCRIPTIO	STANDARD	CATC	H RV2	N		
	APPROVED	REVISIONS	DATE	DRAWN	DESIGNED	D-02
<b>■</b> XE (2)	Ban Stop /alicha					
PLANE WORKS	PUBLIC WORKS DIRECTOR DATE	L		L		

#### CONSTRUCTION SPECIFICATIONS FOR SANITARY SEWER

ALL MATERIALS AND INSTALLATION OF SANTARY SENSETS SHALL BE IN COMPORMANCE WITH THE MOST CURRON EDITION OF THE STANDARD SPECIFICATIONS FOR FROM, BEINDE, MOD MERICENAL CONSTRUCTION, HERDMATTER REFERRED TO A THE "STANDARD SPECIFICATION, PEPURADE TO THE MESSIFICATION STATE CHAPTER OF THE MESSIFICATION STATE CHAPTER OF THE MESSIFICATION STATE CHAPTER OF THE MESSIFICATION STATE OPPURISHED OF TRANSPORTATION, EXCEPT IS NOTED HERBOR OR ON THE STANDARD FLANS, WHEREVER THE STANDAR SPECIALIZION, EXCEPT TO THE GANGER AS EITHER THE "STATE" OR "SECRETARY" OR WHEN REFERENCE SIMBLE TO THE GANGER AS EITHER THE "STATE" OR "SECRETARY" OR WHEN REFERENCE SIMBLE TO THE STANDARD FLANS EXPERIENCE STANDARD FLANDARD FLANDAR

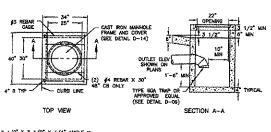
THE CONTRACTOR IS REQUIRED TO NOTIFY ALL UTILITIES 48 HOURS PRIOR TO COMMENCEMENT OF WORT THE CONTRACTOR MUST CONTRACT THE UNDERGROUND UTILITY MOTIFICATION CENTER "CALL SEPTICE YOU DIG" AT (600) 2424-5355 OR "Bit". PANAL ACCEPTANCE OF SANITARY SEMERS ARE SUBJECT TO SECTIONS 1-05.11, 1-05.12, 7-17.3(2)€, 7-17.3(2)€ AND 7-17.3(2)H OF THE APPINA STANDARD SPECTRATIONS. TELEVISION RESPECTION STALL INCLUDE VIDEO OF ALL MANDLES IN ADDITION TO THE PIETE. THE CONTRACTOR SHALL MORNE ORNE UNDER CITY CONTRACT FOR A PERSOD OF TWO (2) YEARS AS PER OF THE CITY OF WOODLAND GENERAL PROMISSIONS FOR MANDRIPAL CONSTRUCTION.

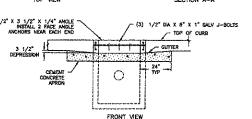
- ALL PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING:
  A POLYWINI CHADREE (PVC) SEWER PIPE 15" DAMETER OR LESS SHALL CONFORM TO ASTIN DISO.M.
  SOR 35. IT SHALL HAVE A MINIMULA PIPE STIFFNESS OF 48 PSI. PVC PIPE 16" DAMETER SHALL
  CONFORM TO ASTIN F 679. ALL PVC PIPE SHALL HAVE AN INTEGRAL BELL ASSETTED JOINT WITH
  ELASTOMERIC CANCET AND SHALL BE CHINKINGED IN 12"-12" FOOT LANDED LENGTHS.
  B. DUCREE RON (D) PIPE SHALL CONFORM TO AMES A21.51 OR AWMA C151, WITH PUSH—ON JOHN'S,
  CLASS SOE, UNESS OTHERMSE MOTED.

RISTALLATION OF PIPE AND MANHOLIS SHALL CONFORM TO THE FOLLOWING: A. PIPE SHALL BE INSTALLED IN CONFORMACE WITH PIPE DETAIL 5—03.40D TRENCHING DETAIL 5—03. B. MANHOLIS SHALL COMPONY WITH STANDARD DETAILS 5—07 THROUGH 5—14. MANIFES, CLEARUTS, SERVICE LATERAL CONNECTIONS, TRENCH EXCANTON, PRE BEZONG AND STREET RESPONATION, NO APPARTMENTACES SHALL CONFORM TO THE DETAILS SHOWN ON THE STRANGERP PLANS. ALL OTHER CONSTRUCTION SHALL CONFORM TO THE STANDARD SERVICE CONTINUED IN THE STANDARD PLANS FOR FROM, SERGE AND MANEPAL CONFORM TO THE STANDARD CONTINUED IN THE STANDARD.

THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF ALL PERMITS ISSUED OR EASEMENTS GRANTED TO THE CITY WE COMUNICITION WITH THE CONSTRUCTION OF SAMITARY SIMPLES. THE CONTRACTOR SHALL OFTAM A RIGHT-OF-WAY PERMIT FOR PORK WITHOUT THE PURPLE ROTH-OF-WAY. THE CONTRACTOR SHALL SUBJECT AN APPROVED TRAFFIC CONTROL PLAN. APPROVAL SHALL BE GETABLED PRIOR TO BEGINNING CONSTRUCTION.

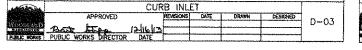
4000	GENERAL	NOTES	FOR	SANITAR	Y SEWER			
	APPROVED		REVISION	S DATE	DRAWN	DESIGNED		
100000000		m lts less					3-01	
123		17.07	-					

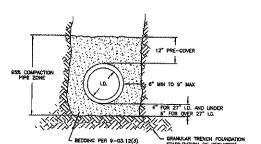




- ALL REINFORCED STEEL SHALL HAVE A 1-1/2" CLEAR COVER URLESS OTHERWISE NOTED, AND SHALL BE GRADE 40 OR GRADE 60 (ASTM A-615)
- 3. ANY PROTRUDING ENDS OF PIPES SHALL BE TRIMMED FLUSH WITH THE INSIDE WALLS AND GROUTED,
- THE NETAL FRAME AND GRATE SHALL BE SET TO A SLOPE TO COMPORM TO THE PARTICULAR DRAINAGE AREA (SEE DETAIL 0-C8).

6.	ALL PRECAST	CR	CAST-IN-PLACE	CONCRETE	SHALL	BE	CLASS	4000.

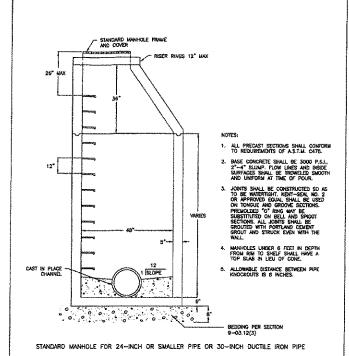




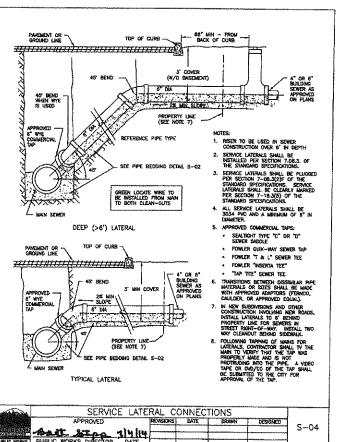
- s. Backfell and compaction above the PRPE zone shall be as shown in trenching detail. 5–03.

- 8. TRENCH WOTH SHALL NOT EXCEED ONE AND ONE-HALF THE HISDE DAMETER OF THE PIPE PLUS 18" AT THE TOP OF THE PIPE ZONE. ANY SUBSIDENCE OF SURROUNDING PAREMENT DUE TO TRENCHAIR SHALL SE EXCHANGED BEYOND ORGANAL PAREMENT OR TRENCH LIMITS AND REPARED TO SATISFACTION OF THE CITY OF WOODLAND.
- . NATIVE MATERIAL, MAY SE USED, OUTSIDE OF THE ROAD PRISIS FOR DUCTILE IRON IN LIEU OF MATERIAL FOR BEDGING SPECIFIED, PROVIDED THAT THE NATIVE MATERIAL CONFORMS TO SECOND 40-015 OF THE STANDARD SPECIFICATIONS, AND AS A SPRINKED ST HE CHY OF FOR SPECIFIED STATE OF THE NATIVE MATERIAL TO THE CITY OF SPECIFIED STATE OF THE NATIVE MATERIAL TO THE CITY OF SPECIFIED STATE OF THE NATIVE MATERIAL TO THE CITY OF MATERI

A COLOR	PIPE	BEDD	ING	***************************************			
	APPROVED	REVISIONS	SATE	DRAWN	DESIGNED	S-02	
PUBLIC WORKS	PUBLIC WORKS DIRECTOR DATE					5 52	



MANHOLE REVISIONS DATE DRAWN DESIGNED D-10





 $\bigcirc$ 

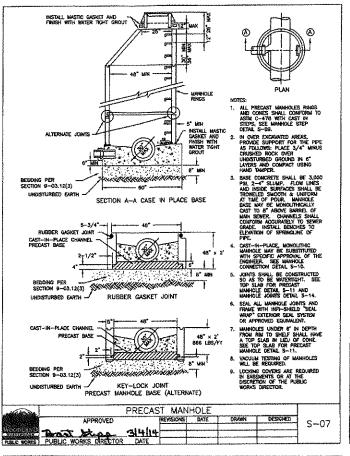
HERON MEADOWS SUBDIVISION 2215 LEWIS RIVER ROAD WOODLAND, WASHINGTON 98674

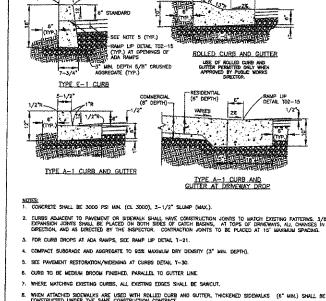
DETAIL

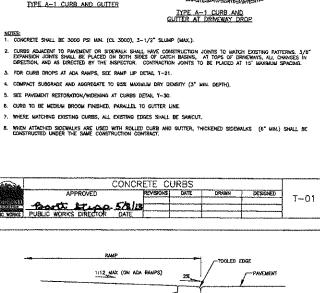
STANDARD

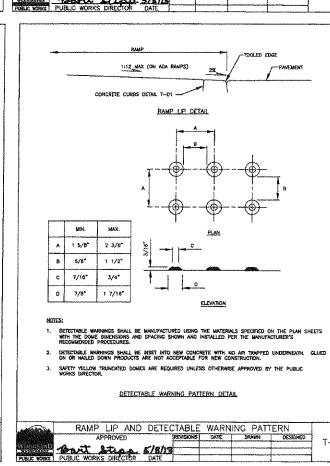
COVER

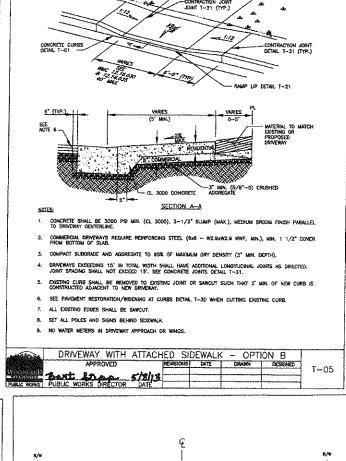
QUAIL.

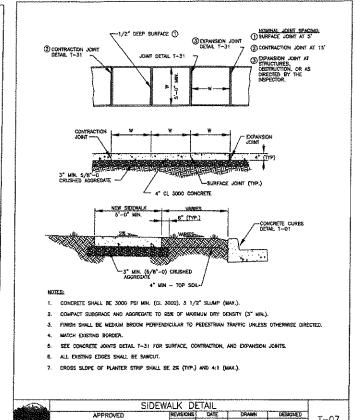


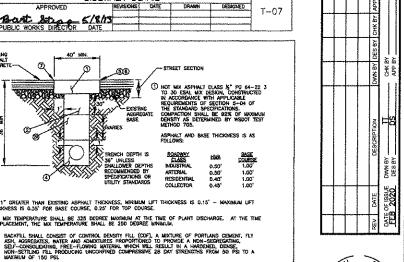










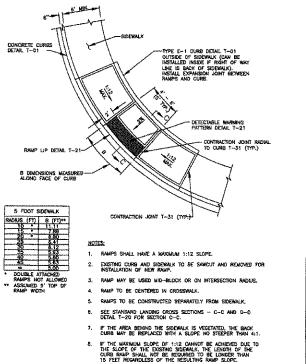


 $\sim$ 

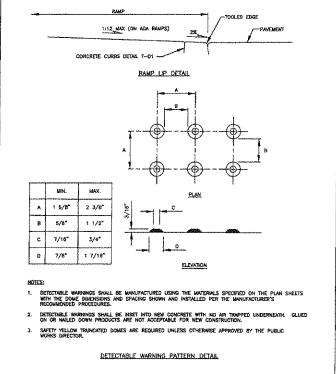
HERON MEADOWS SUBDIVISION 2215 LEWIS RIVER ROAD WOODLAND, WASHINGTON 98674

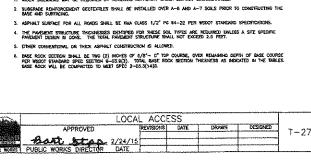
DETAIL:

STANDARD



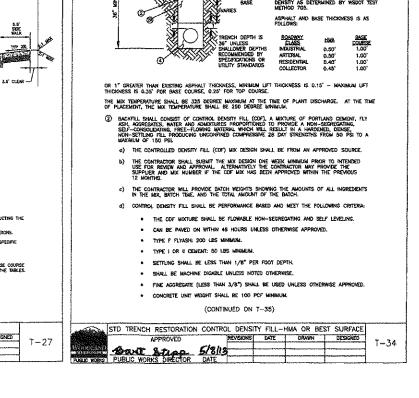
a Colomb	PARA	ALLEL F	AMP				
	APPROVED	REVISIONS	DATE	PANAMA	DESIGNED	T16	
one ex D	Bart Steam 5/8/	3		ļ		1-10	
UC WORKS	PUBLIC WORKS DIRECTOR DATE			<del> </del>			i





-- CEMENT CONCRETE CURB AND GUTTER

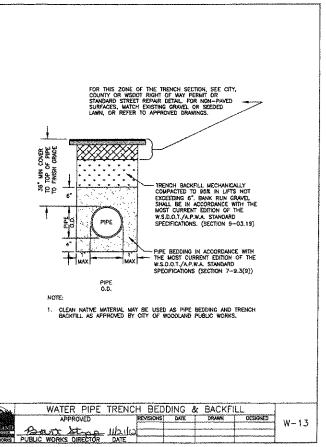
COMPACTED SUBGRADE BOX OF MAX DRY DISHBITY PER WISDOT METHOD B DV SINC 2-01-V140C

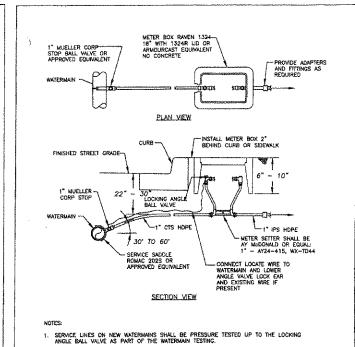


#### GENERAL NOTES FOR WATER MAIN INSTALLATION

- ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH THE WSDOT/APWA STANDARD SPECEFICATIONS FOR ROAD, BRIDDE AND MUNICIPAL CONSTRUCTION HEREIN LIBENTHEID AS THE "STANDARD SPECEFICATIONS", AND AWAY SPECIFICATIONS, EXCEPT AS MODIFIED BELOW OR BY CITY OF WOODLAND STANDARD DETAILS.
- A PRE-CONSTRUCTION MEETING SMALL BE HELD WITH CITY OF WOODLAND AT LEAST 48-HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SMALL PROVIDE CONSTRUCTION SCHEDULES AND TRAFFIC COMPICE PLANS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. PROPOSED "EQUIVALENTS" MUST BE SUBMITTED TO THE CITY OF WOODLAND FOR APPROXIM
- 3. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS DEPARTMENT AT (369)
  225-299, 48-HOURS PRODE TO LIVE TAPS OR OTHER COMMENTENTS TO EXISTING
  WATERMANS, WHERE CONNECTIONS REQUIRE SHAT-DOWN OF SERVICE, CONNECTION
  POINTS WILL BE EXPECTED FOR "FILLD VERIFICATION" BY CONTRACTOR OF THE CONNECTION CONNECTION DETAILS SHALL BE VERIFIED 48 HOURS PRIOR TO DISTRIBUTING
  SHAT-DOWN MOTICES.
- CALL UNDERGROUND LOCATE AT 811 A MINIMUM OF 48-HOURS PRIOR TO ANY EXCAVATIONS.
- UNLESS OTHERWISE ESTABLISHED IN WRITING BY THE CITY, ALL WATER MAINS SHALL BE STAKED FOR GRADES AND ALKINIMENT BY AN ENGINEERING OR SURVEYING FIRM CAPABLE OF PERFORMING SUICH WORKE.
- EXISTING VALVES AND ANY VALVES INSTALLED DIRECTLY TO AND CONNECTED TO A PORTION OF ACTIVE WATER SYSTEM ARE TO BE OPERATED BY CITY OF WOODLAND REPRESENTATIVES QUILL.
- WATER MAINS SHALL BE PVC IN ACCORDANCE WITH AWWA 0900, PRESSURE CLASS AS SPECIFIED ON DRAWINGS OR DUCTILE IRON PRESSURE CLASS 50 OR AS NOTED ON DRAWING.
- ALL LINES SHALL BE CHLORINATED AND TESTED IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS PRIOR TO USE.
- HARD COPY AND ELECTRONIC "AS-BUIL!" DRAWINGS SHALL BE SUBMITTED TO CITY OF WOODLAND UPON COMPLETION OF THE WORK.
- ALL WATERMAINS, FIRE HYDRANTS, BLOW OFF ASSEMBLIES, VACUUM BREAKERS, AND WATER SERVICES MUST HAVE LOCATE WIRE INSTALLED.

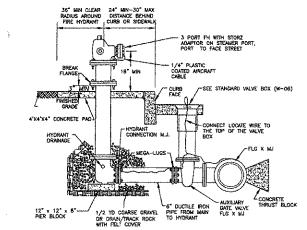
GENERAL NOTE	ES FOR WATER	MAIN INSTALL	
APPROVED	REVISIONS DAT	E DRAWN I	DESIGNED W-01
Post ltipe !	hilla		
PLINE WORKS   PUBLIC WORKS DIRECTOR	DATE		





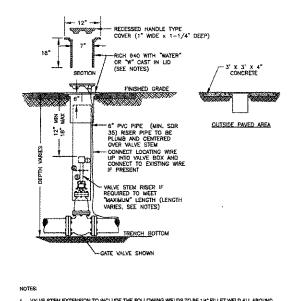
	3/4"	AND 1	" WAT	R SER	VICE		
	APPROVED		REVISIONS	DATE	DRAWN	DESIGNED	W-02
PUBLIC WORKS PUBLIC	HIC WORKS DIRECTOR	Ellicht. DATE					

2. WETER BOXES SHALL HAVE A 4' WOOD STAKE WITH BLUE PAINT BEHIND THE BOX. 3. ALL DOMESTIC AND IRRIGATION METERS SHALL BE SUPPLIED, OWNED, AND INSTALLED BY THE CITY OF WOODLAND.



- 2. HYDRAMI TO BE 8-1/4" COMMERCIAL W/ (2) 2-1/2" NST, (1) 4-1/2" NST, THREADED PORT(S) WITH (1) 5" TWO LUG GUARTER TURN STORZ OR APPROVED EQUAL PUMPER PORT CONNECTION.
- 4. FOUR (4) GUARD POSTS TO BE INSTALLED IN UNPROTECTED AREAS (4" RADIUS).
- 5. FIRE HYDRANT INSTALLATION SHALL BE APPPROVED BY THE CITY OF WOODLAND PUBLIC WORKS DEPARTMENT PRIOR TO BACKFILLING.
- 8. HYDRANTS SHALL NOT BE SET UNTIL LOCATION AND DEPTH ARE APPROVED BY THE CITY OF WOODLAND,
- 7. FIRE HYDRANTS SHALL BE SHOP PAINTED PRIOR TO INSTALLATION W/ SAFETY YELLOW (RODDA NO. ODB1) HIGH GLOSS COLIPBENT ENAMEL.
- 8. HYDRANT STANDARD BURY IS 4' UNLESS OTHERWISE NOTED ON THE PLANS, OR WHEN BREAKAWAY JOINT IS STALLED 7" ABOVE FINISHED GRADE.
- 19 JOINT RESTRAINT SYSTEM MAY BE USED FOR INSTALLATIONS OF NOT MORE THAN 18' (ONE PIPE LENGTH). 11.INSTALL LOCATING WIRE AND CONNECT TO EXISTING WIRE IF PRESENT.

Die	ļF	IRE	HYDR	ANT				
	APPROVED		REVISIONS	DAYE	DRAWN	DESIGNED	W14	
MAKED.	But stipe II	21/12					,,,,,	
w/mye	PUBLIC WARKS DIRECTOR IN	TF.	,		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1	



- 1. VALVE STEM EXTENSION TO INCLUDE THE FOLLOWING WELDS TO BE 1/4" FILLET WELD ALL AROUND

- 5. FOR NEW VALVES IN EXISTING STREET, RESTORE PAVEMENT PER CITY OF WOODLAND STANDARDS

take .	STANDARD V	ALVE BOX	CINA >	COVER		
	APPROVED	REVISIONS	CATE	DRAWN	DESIGNED	W-06
COMAND						W-00
TRAINER DR.	1992 Y 200 1113	7013				
BLIC WORKS	PUBLIC WORKS DIRECTOR DAT	ļ <u>.</u>		L		

#### GENERAL EROSION PREVENTION & SEDIMENT CONTROL NOTES

- ALL EXCEPT AND REPREDIT CONTREL MEASURES SHALL BY ON HARDE AND IN MONTHING CONDITION PROOF TO ANY LAND DISTANCES ACTION? CALLED BY CONSIDERATION OF THE PROOF OF
- . THE DRICKIN AND SEDMENT CONTROL MEDIUMES SHALL AS STIED, DESIGNED AND CONSTRUCTED IN ACCOMMENCE WITH THE RESURREMENT IN THE CITY OF MODULAND LOCATE SHOULD DESIGN BEHAVE AND THE MODULAND SEDTE CONTROLLED. OF EXCLUSIVE STORMANTER MALLIA, FOR MEDIUMEN MEDIUM HOUSE THE CITY OF MODULAND STREAMS STREAMS WELL AND THE MEDIUM. SHOULD THE CITY OF MODULAND STREAMS STREAMS WELL AND THE MEDIUM.
- I. PRIOR TO ANY STIT COCAMBICH, ALL STORM DAMANCE WILETS SHALL BE PROTECTED DOWN BLOVE FROM ANY DISTURBILD ON CONSTRUCTION AREAS FOR THE STANGER DECIDE TO PROVAT BEDIEVEN FORM DECIDION THE STORM DAMANCE STITION FROM THE PROBLEMENT OF THE OPENIESSO AREAS. CLICAT THE FLORT PRIOR OR BEDIEVEN FOR MANNER DEMANCE CRISTOR FUTTH AND CLICAT THE STATE PRICTION OF CONTROL OF STITIONS.
- THE CONTRACTOR SHIEL NOT ALLOW SEDUMENT OR DEBSES TO ENTER NEW OR DISTING PIPES, CARCH BREINE OR HARTSMEND SMITTERS
- E HORLY CONSTRUCTED OF MODERNE MALTS AND CATONS BREASH AND TO BE PROTECTED AMBRIMSTEY FROM RESTRUCTION.

  TEMPORARY RESIDED AND MALCHES OF PLL. SLOPES AND CHOSSION DIRES SHALL BE COUNLESS WITHOUT ONE WEST ATTER RECORD GRADES
- E. ALL COPOSED MICH CHROMOTO SCILLS SHALL BE BRABLIED BY THE MAPROPRIATE REST MANAGEMENT PARTICLES (BIMPS). DURING THE PRIMED FROM CUTUREN 1 TO ARREL SO NO SCILL SHALL BE DEPOSED FOR MARKE THAN THRO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SCILL SHALL BE EXPOSED FOR MORE THAN STRENG FOR THE STRENG FOR THE STRENG FOR MARKET THAN THRO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SCILL SHALL BE EXPOSED FOR MORE THAN STRENG FOR THE STRENG FOR THE STRENG FOR MARKET THAN THRO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SCILL SHALL BE EXPOSED FOR MORE THAN STRENG FOR THE STRENG FOR THE STRENG FOR MARKET THAN THRO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SCILL SHALL BE EXPOSED FOR MORE THAN STRENG FOR THE STRENG FOR THE STRENG FOR MARKET THAN THRO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SCILL SHALL BE EXPOSED FOR MORE THAN
- B. MOTHER STOOMER AND THE PROTECTION IN THE PERSONNEL SHAPE STOOMER STOOMER THE STOOMER STOOMERS STOOMERS
- 10. THE CONTRACTOR SHALL MARKAIN ON SITE A WHITTEN CARY LOG OF BROSON CONTROL BUT MARKENING
- I. P. THE CITY REPORTOR OF CHARGESTS YAS EMPERATE OF FOOK CONSTRUCTION PARTICLES ON MEMORYCE PERSONAL PROPERTIES MAY, CHARGES MAY, OR A CONSTRUCTION OF THE CITY OF MODULANCE WHITE AND A CHARGES MAY, OR A CONSTRUCTION OF THE CITY OF MODULANCE WHITE AND A CONSTRUCTION OF THE CITY OF MODULANCE WHITE AND A CONSTRUCTION OF THE CITY OF MODULANCE AND A CONSTRUCTION OF THE CITY OF TH

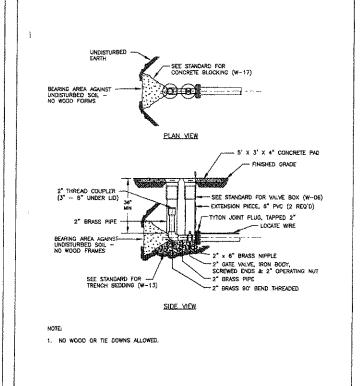
- 13. PANELENT INVESTOR: AND EXCUSION IS REQUIRED. MARKING THE PANELLOT WITH THE STORM STATEM IS NOT PERSONEL.
- 14. AT DITCE WITH LESS THAN I ACRE OF EXPOSED SON, PAD LENGTH MAY BE REDUCED TO 55 FEST, SHALL FAMILY LOT DETAMBLES HAY HAVE THE PAD LENGTH REDUCED TO 50 FEST, BY CONTRIBUTION CONCURS SAMPLIMENTALLY ON ADJUICION LOTS WITH THE SAME CHINEY DANGE CONSTRUCTION, ONE LOT EXPROACE LOW SELECTION ASSESSMENT LOTS.
- 15. MORRAL RECORDER PAINTE IN ACCORDANCE WITH THE BETAL BASET PROS TO BALLDRIS CONSTITUTION AND/OR EXCURSION TO PROVENT SEE ARTHURON UPON ADMICHSTRUCK TO CONSTITUTION OCCURS BRALLDRISKED ON ADMICHSTRUCK THE LOTS HAVE THE SAME OWNER BURNER CONSTITUTION, THE BAT FROM ALMOST HOT THE MAN THE CLASSIFICATION. THE
- 17. MARTHA AND READER ALL SEIGNERT CONTROLS AS SPECIFED IN THE EXAMAND DETAILS. THE CONTRACTOR SHALL REMOVE ALL ACCIDENCED SESSION FROM THE GATCH BASINE, GRAVELLE, UTBLITY TREPLENES AND STORM PRES PRICE TO ACCIDITANCE BY THE COTT.
- E. EXTENSIVE CONTROL RAMS SHULL RE RESPECTED WIRRLY AND AFTER ANY STORM WARM PREDUCING RAMONT. THE ARPRETION FREQUENCY FOR STORMARD STORM SHALL RE CHIEF THE RECEIVED AT THE LOCAL PERMITTHE AUTHORITY BROSE ON THE LEGIC OF SOIL CHIEF THE MOST PORTHODISH AND ANY ARROBIT ON THE LEGIC OF SOIL CHIEF THE PROPERTY BROSE ON THE LEGIC OF
- 16. ALI TEMPORATI (FOSSON PREVIOTION MAD SERBERTI CONTROL NEVENES STALL BE REMOVED BETRE SO DAYS ATTOR BITE STAGELLATION IS ACCIDED TO AFTER TEMPORATE BERNAL AND NO LONGER HEIDED. TRAPPED SERBERDT SHALL BE REMOVED ON STELL OSTURBED SON, AND RESERVANCE PROSERVED AND STAGELLED ON STELL OSTURBED SON, AND RESERVANCE.
- IN ARRES EMERCET TO SURFACE AND ARE MOMENTAL OF DUST ONE ON MORE OF THE POLICIAINS MEMBERS THAT ENGAGES EMALL SE TAKEN FOR DUST COMPINION.

  A REPLEZE THE PERIOD OF SOL DEPOSITE TRADICIAL THE LISE OF TEMPORARY GROUPS COMEN MOS OTHER TEMPORARY STREAMERS MALTICES.

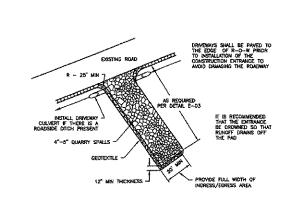
  A REPLEZE THE PERIOD OF SOL DEPOSITE TRADICIAL THE MEMBERS THE THE THAT THE PROPERTY AND THE TEMPORARY STREAMERS ARE PROPERTY OF THE PROPERTY OF THE THAT THE THAT
- 26. EXPORED SURFACE THAT HELL LICE AT BRESCHET TO PRUL SEASE OF CIPH A PERAMETER COPET RESIDENCE THIS IS NOT OF THE EXPOSURE SHAPE.

  MARK SEED AS AND MALES HELD TO STANGLET THE TOOL AND BRESCHET RECORD SUBJECTIONS. EXPORTANCE HELL IS CONTINUE TO PRODUCE THAT THE ASSESSE A COOL STAND OF CHARGE IS EXPORTED AND ASSESSE AS COOL STAND OF CHARGE IS EXPORTED AND ASSESSED AS COOL AS SEAL AS COOL ASSESSED ASSESSED AS SECURITIES. 22. APPLY AN APPROVED TELEPORARY SEEDING MATURE TO THE PREPARED SEED SEED AT A MATE OF 120 USS/ACRE, MOTE: "MORROSEEDING" APPLY APPROVED SEED-MAILLY-PETRULIER MATURES MAY ALSO BE USED.

46 (S)	EROSION PREVENTION	AND SEDIMENT CONTROL	
	APPROVED	REVISIONS DATE DRAWN DESIGNED	F03
1	mat baca abola	<del></del>	5-00
CONTRACTOR -	DESERVE WOOME PROPERTY DE STE		1



-	STANDAR	D BLC	W OFF			
	APPROVED	REVISIONS	DATE	DRAWN	DESIGNED	W10
Youngas D	Boot Steen Illallia					"   0
PUBLIC WORKS	PUBLIC WORKS DIRECTOR DATE					



- 1. IF THE ENTRANCE SITS ON A SLOPE, PLACE A FILTER FABRIC FENCE DOWN GRADIENT.
- TOP DRESS THE PAG WITH CLEAN 3" MINUS ROCK WHEN THE CONSTRUCTION ENTRANCE BECOMES CLOGGED WITH SEDIMENTS.
- 3. ANY SEDIMENT CARRIED FROM THE SITE ONTO THE STREET SHALL BE CLEANED UP IMMEDIATELY.
- IF EQUIPMENT TRAVELS EXTENSIVELY ON UNSTABLIZED ROADS ON THE SITE, A TIRE AN VEHICLE UNDERGOARRAGE WASH NEAR THE ENTRANCE WILL BE NEEDED. PERFORM WASH ON GRISHED ROCK, WASH WATER WILL REQUIRE TREATMENT IN A SEDIMENT POND OR TRAD.

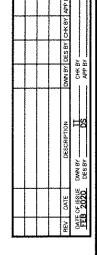
المحققهم	STABILIZED	CONS	STRÚCI	TION EN	NTRANCE		
	APPROVED		REVISIONS	DATE	DRAWN	DESIGNED	F-05
	Bart eriss 1	6/14					L 00
DI NO 10 LONGERO	PURILC WORKS DIRECTOR D	ATE					

HERON MEADOWS SUBDIVISIO 2215 LEWIS RIVER ROAD WOODLAND, WASHINGTON 986

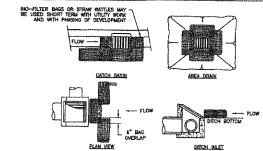
DETAIL

STANDARD

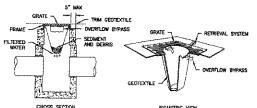






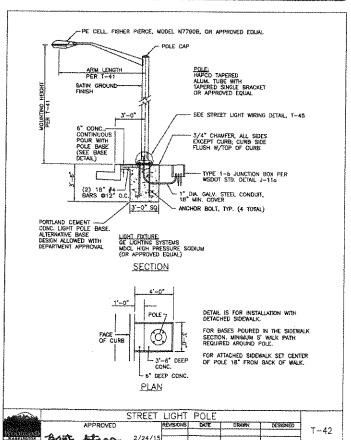


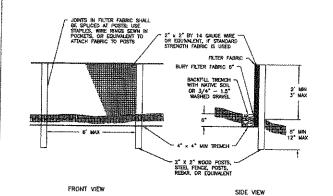
- 1. ADDITIONAL MEASURES MUST BE CONSIDERED DEPENDING ON SOIL TYPE
- 8/0-FILTER BAGS SHOULD BE STAKED WHERE APPLICABLE USING (2) 1° x 2" WOODEN STAKES OR APPROVED COURL PER BAG.
- 3. STRAW WATTLES MUST BE STABILIZED BY ATTACHING WIRE CLIPS TO THE CATCH BASIN PER MANUFACTURER SPECIFICATIONS.
- 4. BILET PROTECTION HUST BE REGULARLY INSPECTED BY THE EROSION CONTROL INDIVIDUAL TO INSURE PROPER PLACEMENT/FUNCTION AND MAINTENANCE.



- 1. SIZE THE BELOW GRATE SILET DEVICE (BGID) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
- 2. THE REMOVAL SYSTEM MUST ALLOW REMOVAL OF THE BORD WITHOUT SPELING THE COLLECTED MATERIAL
- 3. THE BOID SHALL HAVE A BURT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
- 4. THE CONTRACTOR SHALL INSPECT THE BAG AFTER EACH STORM EVENT AND AT REGULAR INTERVALS.
- 5. THE FILTER BAG SHALL BE CLEANED OR REPLACED WHEN THE BAG BECOMES HALF FULL.

		INLET	PROTE	CTION	(1	OF	2)		
		APPROVED		REVISIONS	DATE	- 1	DRAWN	DESIGNED	E 10
i	AOORAG)	Part Steen	1/6/14			-			E16
į	PUBLIC WORKS	PUBLIC WORKS DIRECTOR	DATE			土			





1, FILTER FABRIC FENCES SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE.
2. POST SPACERS MAY BE INCREASED TO 8' IF WIRE BACKING IS USED.

#### HAINTENANCE STANDARDS

- SRT FENCES AND FILTER BARRERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL ANY REDURED REPAIRS SHALL BE MADE IMMEDIATELY.
- F CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDMENT POND.
- If is important to check the uphill side of the fence for signs of the fence clogging and acting as a barrier to flow and then causing channelization of flows parallel to the Fence, if this occurs, reflace the rende or remove the trapped segment.
- 4. SEDIMENT DEPOSITS SHALL EITHER BE REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE—THERD THE HEIGHT OF THE SILT FERCE, OR A SECOND SILT FERCE SHALL BE INSTALLED
- 5. If the filter fabric (geotextele) has deteriorated due to lutraviolet breakdown, it shall be replaced.

		SILT	FEN(	Œ			
	APPROVED		REVISIONS	DATE	DRAWN	DESIGNED	- 00
WINDS IN	Anst. Stran	dalm					E-20
PUBLIC WORKS	PUBLIC WORKS DIRECTOR	DATE					
				*			···

#### CONSTRUCTION SPECIFICATIONS

DELETAL
THE FOLLOWING ASE TO BE USED IN COMMUNICION WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND
MANGEN, CONSTRUCTION BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WISDOT) AS ADOPTED BY THE
CITY OF WOODLAND.

RIGID CONDUST TO BE PROVIDED AS SPECIFIED ON THE PLANS SHALL BE OF HOT DIPPED GALVANIZED STEEL METALLIC CONDUST CONFORMING TO THE REQUIREMENT OF THE NATIONAL ELECTRICAL CODE. ALL UNDERGROUND CONDUIT SHALL BE INSTALLED A MINIMUM OF 24" BELOW GRADE. IN PAVED DRIVEWAY OR ROADWAY AREAS, ELECTRICAL CONDUIT SHOULD BE INSTALLED BY PUSHING OR BORING METHODS.

CATALOG CUITS
FRORT TO THE BEONNING OF CONSTRUCTION, CATALOG CUTS OF THE FOLLOWING ITEMS SHALL BE SUBMITTED AND
APPROVED BY THE PUBLIC WORKS DIRECTIOR. 1. STREET LIGHT STANDARDS 2. LIABRAGES 3. JUNCTION BOXES
4. WIE AND M-LINE CONNECTIONS 5. SERVICE CABINET 6, IN-LINE FUSE HOLDERS 7, CONDUIT 8. WHEE.

CRITICAL INSPECTION PORTS
THE RUBBATION SYSTEM WILL BE INSPECTED BY THE PUBLIC WORKS DEPARTMENT. THE TELEPHONE NUMBER IS

THE FOLLOwing are THE CRITICAL INSPECTION PORTS. NO WORK SHALL BE DONE UNTIL INSPECTION IS COMPLETED. MERGE 1. CHECK OF CONDUIT DEPTH. NO TREMCHING SHALL BE FILED WITHOUT THE DEPTH OF COMDUIT VERNFED. 2. SERVICE. THE STRUCE SHALL BE INSPECTED AND APPROVED BY THE INSPECTOR. 3. WIRING, THE WIRING, SPACES, GROUNDING, AND TUNNS SHALL BE INSPECTED AND APPROVED BY THE INSPECTOR. 1. WIRING, THE WIRING, SPACES, GROUNDING, AND TUNNS SHALL BE INSPECTED AND APPROVED BY THE INSPECTOR.

EDIES 1, POLE LOCATIONS. THE POLE LOCATIONS SHALL BE APPROVED BY THE PUBLIC WORKS DEPARTMENT PRIOR TO EXCAVATION OF THE POLE BASES. 2. POLE BASES. THE POLE BASES SHALL BE INSPECTED AND APPROVED PRIOR TO THE POLBMEN OF THE CONCRETE.

***************************************					****		i
	STREET LIGHTING -	- CON	<b>STRUCT</b>	ION NOT	rc r		Ė
	011111111111111111111111111111111111111		0111001	IVIA LACIL			í
	APPROVED	REVISIONS	DATE	DRAWN	DESIGNED		ı
1000						T-40	į
100	"BANC SAL _ #/4/10					, ,,	İ
	The state of the s	<u></u>					į
C WORKS	PUBLIC WORKS DIRECTOR DATE	1					4

#### DESIGN SPECIFICATIONS

- STREET LIGHT LOCATIONS ARE TO BE PLACED ON THE PROPERTY LINE WHENEVER POSSIBLE, LIGHTING FACELTIES SHALL BE COATED WITHIN PUBLIC RIGHT-OF-WAY OR AN EASEMENT DEDICATED TO THE CITY OF
- 2. THE FOLLOWING TABLE SHALL BE FOLLOWED FOR STREET LIGHT DESIGN

ROADW	AY AND AREA	AVERAGE	LUMINANCE	UNIFORMITY
CLASSI	FICATION	LUMINANCE	L AVG. TO L MIN.	L MAX. TO L MIS
ARTERIAL.	COMMERCIAL	1.0	3 70 1	5 TD 1
	INTERMEDIATE	0.8	3 TO 1	5 TO 1
	RESIDENTIAL	0.6	3.5 TO 1	6 70 1
COLLECTOR	COMMERCIAL	0.8	3 TO 1	5 70 1
	INTERMEDIATE	0.6	3.5 TO 1	8 TO 1
	RESIDENTIAL	0.4	4 10 1	8 TO 1
LOCAL	COMMERCIAL	8.0	5 70 1	10 TO 1
	INTERMEDIATE	0.5	8 TO 1	10 TO 1
	RESIDENTIAL.	0.3	6 TO 1	10 TO 1

- THE PUBLIC WORKS DEPARTMENT SHALL ADUST, ADD, OR REMOVE STREET LIGHTS WHERE NECESSARY. THE CONTRACTOR MAY SUBMIT STAMPED CALCULATIONS BY A PROFESSIONAL EMBRISER LICENSED IN THE STATE OF WASHINGTON BY THE CONTRACTOR DOES NOT AGREE WITH THE MODIFIED PLOE LOCATIONS.
- WHERE THE AVERAGE RESIDENTIAL DENSITY IS IN EXCESS OF 12 UNITS PER ACRE USE INTERMEDIATE CLASSIFICATIONS.
- 5. TYPICAL MOUNTING DIMENSIONS UNLESS OTHERWISE REQUIRED BY THE PUBLIC WORKS DEPARTMENT

CLASSIFICATION	MOUNTING HEIGHT	WATTAGE	ARM LENGTH
ARTERIAL,	35'	200 W	8,
COLLECTOR	30'	200 W	6'
LOCAL	25'	100 ₩	6'

	ILLUMINATION		CIFICATI	ONS		
Wordshield	APPROVED	REVISIONS	CATE	DRAWN	DESIGNED	T-41
FUBILIC WOODS	PUBLIC WORKS DIRECTOR DATE					

DETAIL

QUAIL

 $\bigcirc$ S

HERON MEADOWS SUBDIVISION 2215 LEWIS RIVER ROAD WOODLAND, WASHINGTON 98674

STANDARD



		37,	CHK BY APP BY	DAVN BY II	PATE OF ISSUE FEB 2020	割
APP BY	CHKBY	DWN BY DES BY CHK BY APP BY	DWN BY	DESCRIPTION	DATE	삹
						Ī





# **Community Development Department**

P.O. Box 9, 230 Davidson Avenue Woodland, WA 98674 www.ci.woodland.wa.us (360) 225-1048 / FAX # (360) 225-7336

# **STAFF REPORT**

ISSUE DATE: May 14, 2020
Project Title: Heron Meadows 31-lot Subdivision
Land Use Application No.: SUB 2020-001

Applicant:	Method Construction
	Larry Cowlishaw
=	PO Box 33822
	Portland, OR 97292
Property Owner:	Andy Loud & Connie Taylor
	2215 Lewis River Road
	Woodland, WA 98674
Site Location:	2225 Lewis River Road
	Woodland, WA 98674
Parcel Number:	508440100 and 508820100
Parcel Size:	8.35 acres
Zoning Designation:	Low-Density Residential (LDR-7.2)
Date Application Received:	NFC letter issued March 3, 2020
	Waived traffic study on April 10, 2020
	TIR received April 24 <sup>th</sup> , 2020
Date Notice of Application Issued:	April 10, 2020
Published:	May 6 <sup>th</sup> , 2020
Comment Period Ended:	April 27 <sup>th</sup> , 2020
Hearing Date & Time:	May 21 <sup>st</sup> , 2020 at 7:00 pm
Hearing Location:	The hearing will be conducted using remote GoToMeeting or FreeConferenceCall for remote attendance, and at the City of Woodland Council Chambers in the Police Station at 200 East Scott Avenue, Woodland, WA 98674. Participation instructions will be made available as part of the agenda published on the City's website at <a href="https://www.ci.woodland.wa.us">www.ci.woodland.wa.us</a>

#### I. DESCRIPTION OF PROPOSAL:

The applicant proposes dividing approximately 8.35 acres into 31 lots ranging in size from 7,200 sq. ft to 10,769 sq. ft. The development will include two connections to Lewis River Road at the intersections of Spruce Avenue and Salmon Street, and internal circulation streets to serve the subdivision, an existing home on an adjacent lot, and a neighboring short plat.

This project is adjacent to a four-lot short plat project at 2215 Lewis River Road (SPL 19-003 a.k.a. Sage Investments SP) that received preliminary approval in October 2019.

#### II. REVIEW AUTHORITY:

Per WMC 19.08.030, for Subdivision Preliminary Plats staff shall prepare a staff report for an open record pre-decision hearing before the Planning Commission (PC). The commission is responsible for making a recommendation on the subdivision, which is then forwarded, along with the record, to the City Council to decide.

Preliminary subdivisions are reviewed under WMC 16.08.110 which requires a hearing before the PC based on the merits of the proposed subdivision. Under WMC 16.08.130, the PC shall the proposal and make a recommendation for approval, disapproval, or approval with conditions, supported by findings of fact. The recommendation is advisory only and the sole authority to approve or disapprove preliminary plats shall reside with the city council.

The recommendation shall be based on a determination that the proposed subdivision satisfies the requirements of city codes; will serve the public interest; conforms to the City's comprehensive plan; and that the lots created by the subdivision conform to the standards of the applicable zoning district.

Per WMC 16.08.140, the city council shall review the preliminary plat materials and the PC recommendation at a public meeting, for which the clerk-treasurer shall set a date, time and location. See recommendation section below.

#### III. FINDINGS:

# Title 14 Building and Construction Flood Damage Prevention (Chapter 14.40.)

The flood hazard areas of Woodland are subject to periodic inundation which can result in the loss of life, health, and property, so the City is authorized to regulate development within the floodplain as identified within WMC 14.40 and the associated maps adopted by the city. Development within the floodplain is regulated by WMC 14.40 and includes the requirement that a permit be obtained.

**Finding 1:** The applicant has submitted for a floodplain permit (FLD-20-001) as part of this project request. That case is concurrent but won't be part of this decision. Staff will issue the decision when the final plat is submitted so they can verify surveyed elevations meet code.

**Finding 2:** The applicant will be establishing the Base Flood Elevation (BFE) for locations throughout the subdivision so that subsequent residential development on the lots can be reviewed for compliance with WMC 14.40 for protection from flood events. These locations shall be shown on the face of the plat. (See Conditions #2 and 3)

**Finding 3:** With the establishment of the BFE for the project, each lot will be responsible for filing a floodplain Elevation Certificate for review as part of the building permit application process for any structure in the floodplain. A note reflecting this requirement has been added to the face of the plat to ensure that future lot owners are aware. (See Conditions #2 and 3)

#### **Title 15 ENVIRONMENT**

#### **Environmental Policy (Chapter 15.04) and Critical Areas (Chapter 15.08)**

**Finding 4:** The applicant is requesting a subdivision of property that was previously approved for division in 2006 under the project name of Riverview Subdivision. At the time, the site was approved for 109 residential lots and 26,000 cubic yards of fill associated with the subdivision. At that time, the project covered additional properties and was a total of 27.29 acres in size and included land within the shoreline of the Lewis River, and included critical areas that included associated wetlands and an identified bald eagle nest. (The Riverview Subdivision from 2006 can be seen in Figures 1 & 2 below.)

Figure 1



Figure 2



**Finding 5:** A SEPA Mitigated Determination of Non-Significance (MDNS) was adopted for this site on April 16, 2006 (Case #205-942/SHOR/CAP/SEP) and is attached as Attachment B of this staff report. The SEPA covered the Riverview Subdivision which include a larger size and scope but included the impacts expected from the Heron Meadows project. The decision also included an approved Eagle Protection Area and wetland buffers within the shoreline jurisdiction of the Lewis River. This MDNS accompanied an approval for the Riverview Subdivision, approved by then Hearing Examiner Irv Berteig, as part of the shoreline permitting process (See Attachment C)

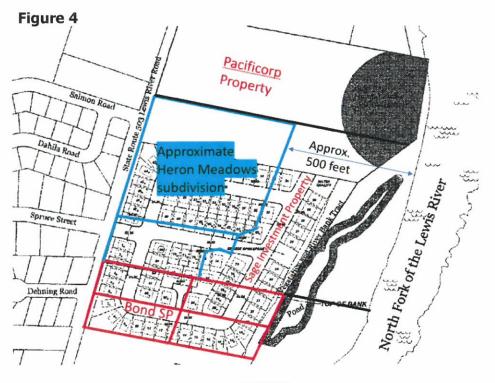
**Finding 6:** Since that time, the Riverview Subdivision approval has expired, and the properties have been sold and partially developed. (Figure 3 shows the ownership configuration for the property covered by the Riverview Subdivision decision.)

**Finding 7:** The northern most parcel of that project (Parcel 508440101) is no longer part of the property being considered for division under the Heron Meadows subdivision. That site, 2233 Lewis River Road (Parcel 508440101) is the parcel that had the identified bald eagle nesting tree. As a result, the identified bald eagle nest is not on the subject property. The identified buffer does not extend onto the project subject to this review. (Figure 4 shows the approximate location of the eagle nest in relation to

the revised property lines.) However, an advisory note regarding the potential effect of development construction on eagle nests has been added. (See Condition #3)

Figure 3

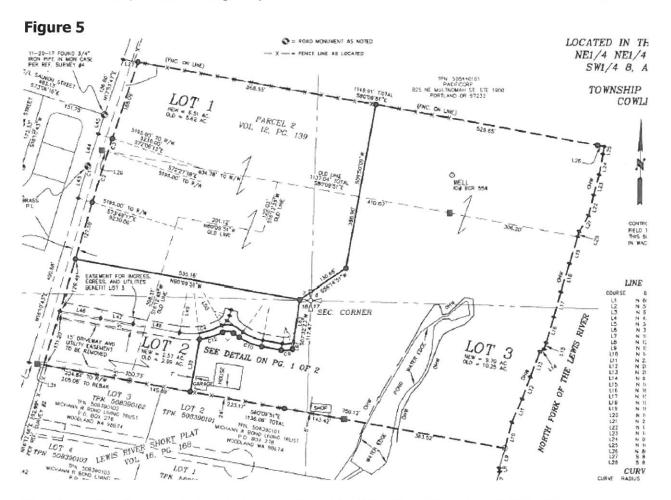




**Finding 8:** The current owner of parcel 508440101, Pacificorp, has submitted comments in response to public notice given for the project. Those comments are discussed below.

**Finding 9:** In addition, the property at the south end of the Riverview Subdivision has been short platted by into four lots. The Bond Short Plat, SPL-19-002, was approved and the plat was recorded with Cowlitz County on December 10, 2019 under AFN #3632823. Those lots are shown in approximation in Figures 3, 4, & 5).

**Finding 10:** In March of 2018, Sage Investment Holdings LLC filed a boundary line adjustment request to consolidate the identified critical areas onto a single lot so they could be isolated and protected from development. BLA-18-003 was approved and the survey of the revised lots was recorded with Cowlitz County on March 9, 2018 under AFN #3590525 (Volume 37 Page 73).



The Heron Meadows project includes Lots 1 and 2 of the Sage Investment BLA. (Shown in blue in Figure 4 above.)

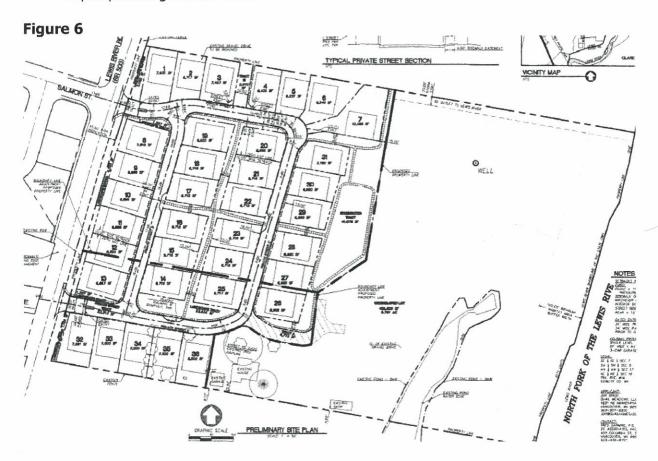
<u>NOTE:</u> The Cowlitz County GIS system does not show the approved and recorded Sage Investment BLA at the time of this staff report. When the GIS will be updated is unknown.

**Finding 11:** As a result of BLA-18-003, the Heron Meadows subdivision is more than 500-feet from the Ordinary High-Water Mark (OHWM) of the Lewis River and outside of shoreline jurisdiction. They are also beyond the jurisdiction for wetland and habitat buffers associated with the Lewis River. However, staff has included a condition requiring a note on the face of the plat which notifies owners that the site is in close proximity of an bald eagle nest and construction activities should follow acceptable management recommendations measures recommended by the Washington State Department of Fish and Wildlife and U.S. Fish and Wildlife Service. (See Condition #3c)

**Finding 12:** In early 2018, the property owner and a partner performed a preapplication conference to review the viability of the site for division given the expired Riverview permits and the fact that the northernmost parcel had since been developed by Pacificorp as a fish hatchery, and the approval of the Bond Short Plat to the south.

The proposal was for a potential Planned Unit Residential Development (PURD) as shown in Figure 6 below. Figure 6 and Figure 4 used in tandem show the relative distance between Heron Meadows and the eagle nest buffer and the OHWM for the Lewis River.

NOTE: **This is not the proposal** but is given to put the location of the project in perspective given the BLA.



**Finding 13:** The project is within the floodplain of the Lewis River. In the Under WMC 15-08-500 development within frequently flooded areas must comply with WMC 14.40 for Flood Damage Prevention. Those standards are discussed above.

**Finding 14:** SEPA review thresholds under WMC 15.04.110 require review if they exceed adopted thresholds from WAC 197-11-800. In the city's case, no flexible thresholds have been adopted and the proposed 31-lot subdivision exceeds the maximum threshold (if it were adopted) so staff required a SEPA checklist at the time of the preapp. However, the applicant argued that a SEPA review had been completed and given the scope of the project, no additional review was warranted. They opined that the 109 lots, fill within the shoreline, and impacts to the critical areas had been reviewed and adequately mitigated at the time.

**Finding 15:** Staff reviewed the MDNS decision (listed above) and concurred that the scope of the SEPA exceeded the impact of the proposed development and that the change in circumstances and design were within the scope of the MDNS. Staff therefore adopts the MDNS adopted April 16, 2006 by reference except as modified below and outlined in the SEPA section below. (Additional SEPA discussion is included below.)

**Conclusion:** As conditioned, the proposal can comply with City standards.

#### **Erosion Control Ordinance (Chapter 15.10)**

**Finding 16:** Applicant is required to install and maintain erosion control measures per the Best Management Practices as outlined in this section (current Stormwater Management Manual for Western Washington) during site excavations and grading. An NPDES permit from the Department of Ecology is required where more than one acre is being disturbed. A final erosion control plan will be required with final engineering. (See Conditions #4, 5, 18, 18, 20, and 26)

**Conclusion:** The proposal can comply with City standards. The applicant will be required to demonstrate compliance with Woodland requirements prior to approval for construction.

#### Stormwater Management (Chapter 15.12)

**Finding 17:** Stormwater standards are based on the DOE "Puget Sound Manual" and adoption criteria is included in WMC 15.12. The applicant's submittal included a preliminary stormwater technical information report, which demonstrates that on-site treatment followed by infiltration is the proposed method of complying with this Chapter. As submitted the approach appears feasible. Applicant shall prepare and submit a final TIR and stormwater design for detailed review. (See Conditions #12, 15, and 26)

**Conclusion:** As conditioned, the proposal can comply with the development standards.

TITLE 16 SUBDIVISION PRELIMINARY PLAT – Chapter 16.08

### Open Space, streets and utility provisions (Chapter 16.08.170)

The planning commission and city council shall determine whether appropriate provisions are made for, but not limited to, public health, safety and general welfare; open spaces, parks and playgrounds; schoolgrounds; drainageways and facilities; streets, alleys, sidewalks and other public ways; water supplies; and sanitary and solid waste disposal.

- **Finding 18:** The applicant is proposing a 6-inch water main in the interior streets, connecting at two places to the existing main in the Lewis River Road right of way. A 6-inch main does not meet the city standard and the mains will be required to be 8-inch diameter. (See Conditions #9 and 10)
- **Finding 19:** Gravity sewer will be extended to all lots within the subdivision connecting to the existing main sewer within Lewis River Road. All gravity sewer mains shall be 8-inch diameter. (See Conditions #9 and 10)
- **Finding 20:** New water and sewer services will be extended to each lot within the subdivision. The services to the existing residence must be abandoned and reconnected to the new mains. (See Conditions #5 and 7)

**Conclusion:** As conditioned the proposal can meet the development code criteria.

#### Curb, sidewalk, drainage and roadway improvements (Chapter 16.08.175)

All lots of a subdivision abutting a street shall be improved with curbs, sidewalks, drainage and roadway constructed to standards outlined in this chapter and approved by the public works supervisor to the centerline of such streets.

- **Finding 21:** Proposed interior streets will be 50' of right of way width, with 32' between curb and gutter, and with sidewalks on each side, consistent with standard drawing T-27 for Local Access improvements. (See Conditions #4 thru 8)
- **Finding 22:** At the east dead end of Street "B" a temporary turning circle shall be required per WMC 16.14.260 in lieu off a cul-de-sac bulb. (See Conditions #4 thru 8)
- **Finding 23:** The private street within Tract "A" shall be improved to private road standards in accordance with the adopted development standards. (See Conditions #4 thru 8, and 13)
- **Finding 24:** Street improvements will also include lighting and stormwater management. (See Conditions #5 and 6)
- **Finding 25:** A preliminary stormwater technical report indicates that site stormwater runoff will be collected in catch basins and sent via pipe to the treatment facility and detention area designated as "Stormwater Tract". Runoff will infiltrate into the soil and an overflow will be provided to adjacent property. (See Conditions #11 and 12)
- **Finding 26:** The application will be conditioned to construct half-street widening including curb, gutter, sidewalk, roadway drainage improvements and lighting along

Lewis River Road consistent with the adopted Standard Drawing T-24A for improvements to SR-503. Dedication of additional right of way will also be required consistent with this standard. (See Conditions #4 thru 7)

**Finding 26a:** Related to the SR-503 discussion, staff had determined the submittal package was not fully complete because it lacked a traffic study. The applicant argued that a traffic study was not warranted for a 31-lot subdivision and that the 2006 SEPA and traffic study for the site was adequate.

Staff reviewed the SEPA and the case file for the Riverview Subdivision and determined that, both decisions were based upon the developer's improvement of SR-503. Since the traffic study would serve to analyze the impacts of the development and determine what mitigation would be warranted, staff agreed to waive the traffic study with the understanding that frontage improvements would be required, thus making a traffic study redundant.

This staff report reflects this commitment, however, the property owner has submitted comments arguing why the frontage improvements are not warranted. Please see the findings below discussing the applicant's correspondence.

**Finding 27:** The application will also be conditioned to address management of stormwater from the widening of Lewis River Road.

**Conclusion:** As conditioned the proposal can meet the development code criteria.

#### Physical Site Characteristics (Chapter 16.08.190)

Physical characteristics of the site must be considered including, but not limited to, slope, soil slip potential, flood hazard, inundation, swamp conditions, drainage conditions, and location in or proximity to environmentally sensitive areas.

**Finding 28:** Portions of the site are within the 100-year floodplain (floodway fringe) and subject to inundation. Site development will be required to comply with the Flood Damage Prevention Ordinance. (As discussed above.)

Finding 29: The site does not include wetlands or shorelines.

**Finding 30:** A geotechnical assessment has been prepared that indicates site soils are suitable for infiltration of stormwater. Per the preliminary report, all stormwater will be collected and infiltrated into the site's soils. Proposed erosion control measures have been included as part of the proposal as discussed above.

**Conclusion:** As conditioned the proposal can meet this standard.

#### **Title 17 ZONING**

#### Low Density Residential (LDR) Zoning District (Chapter 17.16)

The project is located within the LDR-7.2 zoning district.

**Finding 31:** Per WMC 17.16.020 Principal Uses, "E. Single family detached dwellings, but not to exceed one dwelling on any one lot, except as provided in Section 17.16.030 of this code". The propose development is a single-family residential subdivision and is therefore a permitted principal use.

**Finding 32:** As noted above, accessory uses, including accessory dwelling units may be permitted within the Heron Meadows Subdivision if they meet the standards of WMC 17.16 at the time of construction or commencement.

**Finding 33:** Per WMC 17.16.070(A) the minimum lot size in the LDR-7.2 zone is 7,200 square feet (unless a mix of substandard lot sizes is requested). In this case, three lots are 7,200 square feet while the remaining lots are between 8,198 and 11,777 sq. ft. in size. There will also be two tracts, one for stormwater and one for open space, which are approximately 18,000 sq. ft. each. The proposal meets the size standard requirement.

**Finding 34:** Per WMC 17.16.070(B) the minimum lot width is 70 feet. The proposed development meets that standards except for Lots 14, 15 and 16 which have lot widths of 68.57 feet.

**Finding 35:** WMC 17.16.070(A) allows for smaller substandard lots to be proposed as a means to ensure a mix of lot sizes. If smaller lots are proposed, WMC 17.16.070(B) allows for lots with a lot width of 60-feet for those smaller lots. A condition of approval has been added which requires that Lots 14, 15, and 16 either be modified to have widths of 70-feet OR that they be reduced in size to less than 7,200 square feet. (See Condition #21)

**Finding 36:** Setbacks are defined as follows in WMC 17.16.070:

C. Front yard setback in feet: 25

D. Rear yard setback in feet: 15

E. Interior side yard setback in feet: 5

F. Street side yard setback in feet: 15

The application material shows proposed building footprints on several pages but not setbacks. Sheet C-5 marked as the Utility Plan appears to have building envelopes that meet the setback standards. Though shown on the utility plan, staff has attached a condition of approval requiring that setbacks be added as a note on the face of the plat. (See Condition #2e)

**Finding 37:** Per WMC 17.16.070(G) and (H) maximum building height and lot coverage are established. These issues do not come into play until building permits are issued so an advisory note addressing these issues has been added. (See Condition #2e)

**Finding 38:** Per WMC 17.16.070(I) each lot must have 2 required parking spaces. This issue does not come into play until building permits are issued so an advisory note addressing this issue has been added. (See Condition #2e)

**Finding 39:** Per WMC 17.16.070(J) all lots must have 15 feet of street frontage. All lots meet this standard.

**Finding 40:** The applicant has indicated that they could introduce a possible phasing plan for the subdivision. At the time of the report, a phasing plan was not available for review, but phasing is permitted with subdivisions. Therefore, a condition has been added wherein a phasing plan CAN be approved as part of the final engineering plan review provided it adequately allows for the phased extension of utilities (as approved by Public Works) and Clark County Fire & Rescue. (See Condition #23)

**Finding 41:** All new development is subject to impact fees. Impact fees are calculated and assessed at the time of building permit application and paid when building permits are issued. The City of Woodland has impact fees for Parks, School, Fire, and traffic. (See Condition #3f)

**Conclusion:** As conditioned, the subdivision meets city zoning standards.

# Title 15 Environment (Chapter 15.04) SEPA Threshold Determination Comments

The existing MDNS covers the scope and site of the project but the revised scope of the project means that some of the adopted mitigation measures are no longer applicable for the Heron Meadows like they were for the Riverview Subdivision. Therefore, the following findings are made to modify the MDNS adopted under SEPA case #205-942/SHOR/CAP/SEP:

**Finding 42:** Staff acknowledges the MDNS was issued for a residential subdivision with larger impacts that warranted thirteen (13) mitigation measure conditions under SEPA. Staff further recognizes that the MDNS covers a larger site and only a portion of the mitigation may apply to the property that is subject to the Heron Meadows Subdivision request. (Those mitigation measures are discussed below but are attached in context as Attachment B to this staff report.)

**Finding 43:** Accordingly, the conditions from case #205-942(SHOR/CAP/SEPA that are unaffected by for the Heron Meadows Subdivision are conditions:

```
#1 requiring a grade and fill permit
```

- #2 requiring erosion control compliance
- #3 requiring stormwater compliance
- #4 requiring particulate matter control during construction
- #5 requiring soil stabilization as necessary
- #6 requiring downstream sewer analysis and improvement as necessary
- #7 requiring erosion control measure implementation
- #8 requiring maintenance of right-of-way for erosion tracking
- #9 requiring construction hour limitations
- #10 (See below)
- #11 Traffic Mitigation (See below)
- #12 (See below)
- #13 (See below)

**Finding 44:** Mitigation condition #10 is no longer applicable because there is no wetland or buffer within the Heron Meadows subdivision as currently configured.

**Finding 45:** Mitigation condition #11 include traffic impact mitigation. The mitigation includes a proportional amount of fees based on the size of the development. The conditional also notes that the mitigation may be waived if impact fees are adopted by the city. Impact fees have been adopted as discussed above so this proportional mitigation may or may not be required as discussed in this report. (See below)

**Finding 46:** Mitigation condition #12 is generally no longer applicable because the eagle nest in question is not within the area covered by the management plan. In addition, bald eagles were de-listed since the time of the Riverview Subdivision. In lieu of the mitigation condition, the nest is discussed in the analysis of WMC 15.08 Critical Areas above and concerns need not be in the form of SEPA mitigation.

**Finding 47:** Mitigation condition #13 is no longer applicable because there is no wetland or buffer within the Heron Meadows subdivision as currently configured.

**Conclusion:** As modified by Condition #24 and #25, the city adopts the MDNS by reference.

# Agency and Public Comments Pacifcorp Comments

**Finding 48:** Pacificorp operates the fish hatchery on the neighboring property. They expressed concern about the eagle's nest on their property and ensuring future residents know that the hatchery is existing and recognizing the potential impacts from the hatchery prior to purchase of the property. While there is nothing in the regulations, staff has included advisory notes as a condition of approval. (See Attachment E and Condition 2c)

#### Clark County Fire & Rescue Comments

Fire Department Access:

**Finding 49:** Roadways to Structures: The perimeter of all structures must be within 150' an approved access road with a minimum clear width of 20' (26' where a hydrant is located). IFC 503.1.1 / D102 / D103

**Finding 50:** Dead end Streets: Any dead-end road longer than 150' must be provided with an approved cul-de-sac or hammer-head turn-around in accordance the International Fire Code design criteria. (96' Diameter Cul-de-sac; 120' Hammerhead with 20' clear width and 28'R corners) IFC D103.4

**Finding 51:** Parking Restrictions: Roadways must have signage for parking restrictions as follows: Signs for no-parking must be provided on both sides of all streets that are less than 26' wide in accordance with local standards for future enforcement. Signs for no-parking must be provided on one side of all streets that are between 26' and 32' wide in accordance with local standards for future enforcement. IFC D103.6

**Finding 52:** Remote Access Points: One and Two-Family Residential Developments with more than 30 dwelling units must be provided with two separate and remote fire apparatus access roads. Multiple Family Residential Developments with more than 100 dwelling units must be provided with two separate and remote fire apparatus access

roads. (remote = min.  $\frac{1}{2}$  the overall diagonal of the land area being served) IFC D106/107

**Finding 53:** Access During Construction: Access roadways must be completed and unobstructed prior to combustible construction.

**Finding 54:** Gates: Where required access is restricted with a gate, an approved key box or key switch must be provided to allow Fire Department Access. (IFC 506)

Fire Department Water Supply and Suppression Systems:

**Finding 55:** Hydrant spacing is assessed based on structures that are non-sprinklered, type V-B Construction and no larger than 4,800 combined square feet. Additional hydrants may be required for streets providing access to structures greater than 4,800 SF. (IFC Table B105.1(2) / C102.1)

**Finding 56:** Fire Hydrants: Hydrants must be provided on fire access roadways so that average spacing does not exceed 500' and the maximum distance from any point on the street frontage to a hydrant is no more than 250'. (400' and 200' for Dead end roads) IFC C102

**Finding 57:** Fire Sprinklers: Any structures larger than 5,000 SF must be equipped with an automatic fire sprinkler system in accordance with NFPA 13D. (Woodland Municipal Code 14.32.130)

**Finding 58:** Water Supply During Construction: Required hydrants must be serviceable and unobstructed prior to combustible construction.

**Finding 59:** FIRE SPRINKLERS May be Considered as an alternate method to increase hydrant spacing or to address access issues.

**Conclusion:** As conditioned, the project can meet applicable fire code and Woodland Municipal Codes.

#### Andy Loud (property owner) Comments

**Finding 60:** The property owner submitted documentation arguing that SR-503 improvements fronting the site are not warranted. (Those comments are included as Attachment F. Please review those documents.)

**Finding 61:** The comments argue that Heron Meadows should only be asked to enter into a developer's agreement. This would put the city in compliance with the Final Order issued by the Hearing Examiner for the Bond Short Plat (File No. #213-915) per Condition 7 on Page 4 of that order. (Page 1 of Attachment F.)

**Finding 62:** The owner argues that the order obligates the city to enter into a developer's agreement with the owners of each of the listed properties that share frontage on SR-503. It is furthered argued that by processing the short plat and approving the final plat map for the Bond Short Plat, which has since been recorded, the city obligated itself to enter into contracts with the owners of those identified lots. (But possibly for only up to four of them?)

**Finding 63:** Staff has reviewed the submitted documents and disagrees with the owner's assertion. The referenced final order was for the neighboring property, known as the Bond short plat (as identified in the Figures above) and only applies to the property being short platted at that time.

**Finding 64:** At the time of the short plat application, only parcel number #508390100 was reviewed for division (per Paragraph #1 of the Summary section of the order).

Neither the City nor the Examiner have the authority to unilaterally expand that application to include any additional adjacent properties. Therefore, neither the City nor the Examiner could require entry into developer agreements for any property other than the bond property #508390100. All other properties are beyond the scope of the application and therefore not subject to the short plat process.

None of the four parcels mentioned in Condition 7 had standing in the Bond Short Plat application process. Therefore, there is no nexus to encumber neighboring property owners. In fact, doing so could be considered a "taking" under property rights laws because the owners of those five lots were not legally informed of such an encumbrance, nor were they given the opportunity to participate in the process where such an encumbrance occurred.

**Finding 65:** Developer's agreements require approval by the City Council. The examiner has no authority to obligate the city council to take a legislative action like adopting a developer's agreement. For that reason, if the applicant's assertion is true, there is no guarantee that Item 7 of the examiner's order could be enforced.

The applicant or owner would have to offer to enter into an agreement on a voluntary basis. However, because there has been no proportionality argument, the staff has attached a condition of approval that the frontage improvements on SR-503 must be completed. Staff specifically agreed to not require a revised traffic report because the applicant had not raised a proportionality argument and made the waiver conditional upon the understanding that frontage improvements would be required. (More in the SEPA discussion below.)

**Finding 66:** Staff interprets the decision to require the City to enter into a developer's agreement with the Bond Short Plat applicants.

Staff further believes the intent of the agreement in regard to SR-503 frontage improvements, was to recognize that there were proportionality issues and requiring construction of the frontage was not proportional to the impact of the proposed 4-lot subdivision.

**Finding 67:** Staff interprets the documents to also say that as a result of the review, the City and the Examiner provided a proportional option to allow for a deferred mitigation contribution that would be triggered when "at least four other of the neighboring properties...complete subdividing the Applicant shall dedicate...right-of-way and pay" the agreed upon amount. (Quoted from Item 7 on Page 4 of the order)

Meaning development of the fourth lot his means the trigger for Bond Short Plat lot owners to know when the need to pay the agreed upon mitigation amounts. I.E. when four of the neighboring properties develop their properties...Lots 1-4 of the short plat will be asked to pay their transportation mitigation. It even goes on to say that

Staff does not interpret this document as deferring all SR-503 frontage improvements for four of the five lots. Such an interpretation might mean that improvements would never be triggered because the owner of the fifth lot would be cost burdened with the SR-503 improvements and rely upon the city's collection of its agreed contributions.

**Finding 68:** Staff notes that in the Riverview Subdivision Final Order (Attachment C), Condition #1 requires improvements to SR-503. With that in mind, it is supported by the SEPA decision.

**Finding 69:** Staff notes that the SEPA MDNS for the Riverview Subdivision (and used for this case) includes language that supports the idea that SR-503 improvements were part of the decision.

Section 14 of the SEPA checklist covers transportation. While Question 15.d describes the proposed internal roads, Question 15.g describes measures that will be taken to reduce traffic impacts. It says:

Based on the results of the analysis described in the Traffic Study (Exhibit H), it is concluded that the proposed development can be constructed without adversely affecting traffic operations or safety in the vicinity of the site. Several improvements are discussed in the traffic study to meet the needs of future background traffic regardless of the buildout of the proposed development, specifically providing eastbound left turn lanes along the intersections of SR 503 at Hillshire Dr, Insel Rd, and Gun Club Rd and installing a traffic signal at the intersection of SR 503 at E Scott Avenue. The City already has a planned project to install the signal. With this planned improvement, this intersection will operate at LOS A during both AM and PM peak hours. Furthermore, vehicles volumes along the intersections of SR 503 at Insel Rd and Gun Club Rd do not meet MUTCD signal warrants and vehicle queues should not be excessive (2-4 Vehicles). No other specific off-site roadway improvements are recommended to accommodate this development or mitigate its impact.

Note: The signal project discussed above actually turned into the round-about at SR-503 and E Scott Avenue.

However, the response shows that the traffic analysis showed that there were "no other specific off-site roadway improvements...recommended to accommodate this development or mitigate its impact."

Staff can only assume that no additional improvements were needed because: a) frontage improvements for SR-503 were already required for the plat, and b) mitigation condition #11 of the MDNS required additional mitigation for transportation impacts.

- ... I tout of tout and the finite to 1.00 and to 0 plan of normaly and promoted on building
- 10. No fill shall be placed within any portion of a wetland and/or buffer area.
- 11. To mitigate traffic impacts on State Route 503 (Lewis River Road) applicant shall contribute \$154,500 to the City SR 503 Improvement Project Fund. In the event that traffic impact fees have been adopted by the city prior to recording of the plat, thereby providing for collecting of such fees, on the lots created thereby, this requirement for the contribution shall be waived.
- 12. Implement recommended mitigation measures as set forth in the "Bald Eagle Habitat Management Plan" by Ecological Land Services, Inc. dated November 29, 2005.

The collection of mitigation fees, impact fees in addition to having a developer build onsite roads is a common practice.

However, as noted in the MDNS condition, now that the city has adopted Transportation Impact Fees, the \$154,500 of traffic mitigation for off-site impacts is no longer applicable.

Staff assumed that the applicant agreed to this when they asked for the city to adopt the existing MDNS rather than review an updated SEPA checklist for the smaller project.

**Finding 70:** Staff also notes that when the applicant asked the city to waive the traffic study required to be a fully complete application, staff only did so on the understanding that SR-503 frontage improvements would be a recommended condition of approval. (See Attachment H) The applicant accepted this decision and the review of Heron Meadows proceeded accordingly.

Without traffic data more current than the 2006 traffic study it is hard to argue for against waiving frontage improvements on SR-503.

As noted in the SEPA, off-site improvements were identified in 2006 and MDNS Condition #11 attached a \$154,500 price tag for those improvements. (\$154,500 divided by 109 units = \$1,407.43 in 2006 dollars)

With the City's \$838 transportation impact fee, waiving frontage improvements for \$25,978 (in 2020 dollars) would lead me to believe that the MDNS is no longer adequate to cover current transportation impacts unless the \$154,500 of SEPA mitigation is retained.

A waiver of frontage improvements on SR-503 **AND** MDNS Condition #11 could result in unmitigated significant adverse environmental impacts to the city's transportation system. Such impacts should not be approved without additional review under SEPA.

**Finding 71:** Looking at the executed developer's agreement between the City and the Ms. Bond (also in Attachment F) staff notes that Section 2 of the agreement specifically states that the agreement only applies to the parent parcel (#508440101) and the subsequent child parcels represented by the four new lots (parcels #508390100, #508390101, #508390102, and #508390103).

**Finding 72:** Section 1 of the Bond developer's agreement appears to recognize that "the project would consist of frontage improvements along Lewis River Road (SR-503) in front of the developer's property." It then says "The project will not occur until four of five neighboring properties also develop and sign similar agreements with the city.

Those five identified properties being Parcels #508490100, #508520101, #508520100, #508440100, and #508440101. (which include the Heron Meadows property and the Save Investments property.)

**Finding 73:** While Mr. Loud is asserting that the above information implies that the identified parcels (#508490100, #508520101, #508520100, #508440100, and #508440101) should be subject to a developer's agreement, upon re-reading the language, what it actually says is that the Bond Short Plat lots don't have to pay their Lewis River Road improvement fees if the city fails to get four other property owners to sign agreements. (If we can only get 3...they don't have to pay...)

#### **IV. STAFF RECOMMENDATION:**

Based upon the analysis herein and the case record for the cases listed, staff hereby recommends that the Planning Commission recommend **APPROVAL of Heron Meadows Subdivision with conditions** as listed below.

Per WMC 16.08.140, the city council shall review the preliminary plat materials and the PC recommendation at a public meeting, for which the clerk-treasurer shall set a date, time and location. See recommendation section below. This meeting is expected to be completed by a web-based GoToMeeting/FreeConferenceCall platform but the City Council Chambers will be open and staffed by the presenter as advertised. PC members and other staff will attend remotely.

Attendees will be required to use social distancing measures and the use of individual protective masks are requested.

The Commission's recommendation will be documented and sent to the Woodland City Council for review. Staff expects the Council to consider the recommendation at the June 15<sup>th</sup>, 2020 Council meeting, or the July 6<sup>th</sup> meeting. Those meetings are held at 7:00 pm,

#### V. CONDITIONS OF APPROVAL

In order to record a final plat, a final plat application shall be required. The final plat shall meet the following conditions:

- 1. A final plat application shall be required. The final plat application shall be accompanied by the necessary fees and shall contain the information required under WMC 16.10 and that information necessary to determine that the project meets these conditions of approval. An electronic copy of all final plat application material shall also be required.
- 2. Base Flood Elevation (BFE) information shall be shown on the face of the final plat. Elevation measurements should be shown on the survey wherever necessary to facilitate subsequent building permit reviews using a floodplain review process in lieu of a full floodplain permit for each unit. A note regarding flood elevation information, similar to the one below, describing each BFE marker shall be required on the face of the plat.

DOUDD WOULD (00-04 1000), DOUDLE 00.0 2 104 -- .--...

9) BENCH MARK:

FEMA REFERENCE MARK 2 FEMA ELEVATION = 27.88 FEET (NGVD 29) A BRASS PIN IN THE CENTER OF A 9 BY 15 FOOT CONCRETE MANHOLE SLAB, AT THE NORTHEAST CORNER OF THE INTERSECTION OF BUCKEYE AND GOERING STREETS.

SITE DATUM: CLARK COUNTY DATUM ELEVATION = 28.10 FEET (NGVD 29-47)

- 3. The following notes shall be placed on the face of the plat:
  - a. SR 503 predates this development. WSDOT will not be responsible for any traffic noise.
  - b. The Pacificorp fish hatchery on the adjacent property predates this development. Owners acknowledge that Pacificorp will not be responsible for any noise, odors, or related impacts from the normal operation of the hatchery.
  - c. This project is close to a known bald eagle nest. If the nest is occupied for nesting during nesting season (January 1 to August 31) and/or rearing season (October 15 to March 15) construction activity mist be conducted using Washington State Department of Fish and Wildlife and/or the U.S. Fish and Wildlife Service management practices.
  - d. Construction on each lot will be subject to review under the City's flood hazard reduction standards. An elevation certificate will be required with all building permit applications.
  - e. Development on all lots shall be reviewed at the time of building permit approval to determine if they meet the following:

Front yard setback in feet: 25
Rear yard setback in feet: 15
Interior side yard setback in feet: 5
Street side yard setback in feet: 15
Maximum building height in feet: 30
Maximum lot coverage: 50 percent
Required off-street parking spaces: 2

- f. All lots are subject to impact fees for Parks, Fire, Schools, and Traffic. Impact fees are calculated at the time of building permit and paid at the time of building permit issuance.
- 4. Detailed construction drawings for the proposed road, drainage and utility facilities shall be submitted to the City's Public Works Department for review and approval prior to construction of subdivision improvements. Design of improvements shall be in accordance with the City of Woodland Public Works Engineering Standards for Construction.
- 5. The applicant shall construct or bond all frontage and interior street improvements including road base, paving, curb and gutter, sidewalks and streetlights to City standards prior to final plat approval.
- 6. Frontage half-street improvements for Lewis River Road (State Route 503) shall be constructed to the adopted Arterial standards. Improvements shall include curb, gutter, sidewalk, street widening, stormwater management and street lighting in compliance with City standard details based on a street section of 24' from centerline to face of curb. A right of way dedication to 40' of half width shall be required.
- 7. Driveways shall not be permitted directly to Lewis River Road from any of the proposed lots. The driveway to the first lot on each connecting street shall be located the farthest practical distance east from the intersection.

- 8. All interior public streets shall be constructed to Local Access standards based on Standard Detail T-27. Improvements shall include curb, gutter, sidewalk, paving of the street and street lighting in compliance with City standards based on a street section of 32 feet from face of curb to face of curb. A 50' right of way dedication shall be required. The temporary turning circle dimensions for the east end of Street "B' shall include a pavement radius of 40-feet. Any portion of the turning circle, which falls outside of dedicated right of way, shall be placed in an access easement to the City that will be vacated at such time as the street is extended. The extension of the proposed private street within Tract "A" shall be designed and constructed in accordance with city standards for Private Streets.
- 9. The applicant shall construct or bond for drainage, water and sewer systems, telephone, electrical and telecommunication systems prior to final plat approval.
- 10. Gravity sewer and water mains shall conform to city design standards. Sewer mains and water mains shall be 8-inch diameter. The number and location of fire hydrants must be approved by the fire marshal.
- 11. Stormwater detention and treatment facilities shall be designed in accordance with adopted standards, which are based on the DOE "Puget Sound Manual" and adoption criteria, which is included in WMC 15.12. Design of improvements shall mitigate for quality and quantity of runoff and for impacts to downstream conveyance systems, as determined by the Public Works Director.
- 12. The stormwater treatment area and the discharge pipe routes which are outside of public right of way shall be placed in an easement or a parcel of land that is owned jointly by the lot owners. Stormwater treatment areas shall be enclosed by a 6-foot tall chain link fence. Fences shall be vinyl coated with commercial grade materials subject to approval by the Public Works Director.
- 13. An easement to the city will be required for public utilities placed within the Tract "A" private road alignment.
- 14. Establish a Home Owner Association (HOA) for the maintenance and management of the commonly owned properties and facilities. HOA documents shall be subject to review and approval by the Public Works Director.
- 15. A stormwater covenant shall be prepared and executed to insure ongoing maintenance of the treatment and detention facilities by the property owners. The form of the covenant document shall be in accordance with city policy.
- 16. Prior to the placement of any fill material, a Fill and Grade permit shall be obtained from the City of Woodland and shall comply with the Flood Damage Prevention Ordinance and FEMA regulations.
- 17. Hours of construction shall be limited to 7:00 A.M. to 8:00 P.M. on weekdays and prohibited on Sundays.
- 18. Provisions shall be made to minimize the tracking of sediment by construction vehicles onto paved public roads.
- 19. Erosion control measures shall comply with WMC 15.10 and shall be in place prior to any clearing, grading, or construction.
- 20. The applicant shall comply with Department of Ecology requirements to secure permits associated with stormwater discharge during construction.
- 21. Lots 14, 15, and 16 must be modified to have minimum widths of 70-feet OR be reduced in size to less than 7,200 square feet so that they can meet the 60-foot width standard for substandard lots per WMC 17.16.070.

- 22. A general condition of Cowlitz County is that all newly created lots must indicate the addresses for all lots on the face of the plat. Please contact Public Works for address assignment as part of the final plat process.
- 23. If a phasing plan is not available for review by the public hearing, a phasing plan can be approved as part of the Final Engineering review process. A phasing plan that involves phased development of utilities will need approval from the Public Works Director, the City Engineer, Clark County Fire & Rescue, and the city planner. Additional review applications for CCF&R may be required at that time. Phasing plan proposals that the planner believes will have substantive changes to the subdivision may be taken the Planning Commission if it is deemed necessary.
- 24. SEPA mitigation conditions as discussed in the staff report will continue to apply except for Conditions 10, 12, and 13 which are waives as not applicable, and Condition #11 as modified within this report and approved by the Heron Meadows Subdivision decision.
- 25. SEPA MDNS Condition #11 should be amended to require off-site transportation mitigation for traffic impacts on SR-503 in addition to the impact fees adopted by the city. Such mitigation should be reviewed and negotiated by the Public Works Department and subject to review and approval by the City as part of a developer's agreement. Such a developer's agreement is a condition for the waiver of MDNS Condition #11 to ensure that transportation impacts are mitigated to a non-significant level. The developer's agreement must be in place prior to approval of the final plat map for recording.
- 26. Submit a final erosion control plan and a final stormwater Technical Information Report. Design of erosion control and stormwater improvements shall comply with Woodland Development standards.
- 27. Once final approval is given to print the final plat, signatures on three copies of the plat, shall be collected in the following order:
  - 1. The owners in fee simple;
  - 2. Notary public in and for the state;
  - 3. Professional land surveyor registered in the state;
  - 4. Public Works Director;
  - 5. Cowlitz County treasurer;
  - 6. Cowlitz County Auditor
- 28. Three signed copies of the final plat must be submitted to staff for review and approval.
- 29. The plat shall be filed with the County Auditor and shall not be deemed approved until so filed. A copy of the approved subdivision plat (after recorded) shall be submitted to the Community Development Department.
- 30. To ensure the development is consistent with adopted fire codes and Woodland Municipal Codes the following conditions are applicable to the application:
  - a. Roadways to Structures: The perimeter of all structures must be within 150' an approved access road with a minimum clear width of 20' (26' where a hydrant is located). IFC 503.1.1 / D102 / D103
  - b. Dead end Streets: Any dead-end road longer than 150' must be provided with an approved cul-de-sac or hammer-head turn-around in accordance the International Fire Code design criteria. (96' Diameter Cul-de-sac; 120' Hammerhead with 20' clear width and 28'R corners) IFC D103.4
  - c. Parking Restrictions: Roadways must have signage for parking restrictions as follows: Signs for no-parking must be provided on both sides of all streets that are less than 26' wide in accordance with local standards for future enforcement. Signs for no-parking must be provided on one side of all streets that are between

- 26' and 32' wide in accordance with local standards for future enforcement. IFC D103.6
- d. Remote Access Points: One and Two-Family Residential Developments with more than 30 dwelling units must be provided with two separate and remote fire apparatus access roads. Multiple Family Residential Developments with more than 100 dwelling units must be provided with two separate and remote fire apparatus access roads. (remote = min. ½ the overall diagonal of the land area being served) IFC D106/107
- e. Access During Construction: Access roadways must be completed and unobstructed prior to combustible construction.
- f. Gates: Where required access is restricted with a gate, an approved key box or key switch must be provided to allow Fire Department Access. (IFC 506)
- g. Hydrant spacing is assessed based on structures that are non-sprinklered, type V-B Construction and no larger than 4,800 combined square feet. Additional hydrants may be required for streets providing access to structures greater than 4,800 SF. (IFC Table B105.1(2) / C102.1)
- h. Fire Hydrants: Hydrants must be provided on fire access roadways so that average spacing does not exceed 500' and the maximum distance from any point on the street frontage to a hydrant is no more than 250'. (400' and 200' for Dead end roads) IFC C102
- Fire Sprinklers: Any structures larger than 5,000 SF must be equipped with an automatic fire sprinkler system in accordance with NFPA 13D. (Woodland Municipal Code 14.32.130)
- j. Water Supply During Construction: Required hydrants must be serviceable and unobstructed prior to combustible construction.
- k. FIRE SPRINKLERS May be Considered as an alternate method to increase hydrant spacing otr to address access issues.
- I. These standards must be incorporated as part of the final engineering plan review.

#### **VI. SEPA DECISION:**

As lead agency, City of Woodland staff acts as the SEPA Responsible Official (WMC 19.08.030) and hereby adopts the MDNS dated April 18, 2006 as modified above. As lead agency the City has determined there will be no unmitigated probable significant adverse impacts on the environment and that an environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of the completed environmental checklist and other information on file with the lead agency. There is no further comment period on the MDNS.

#### VII. APPEALS

Appeals are governed by WMC 19.08.030. Appeals of City Council subdivision decisions must be made to county superior court in accordance with RCW 36.70C (Judicial Review of Land Use Decisions). Proceedings for review under this chapter shall be filed within 21 days from the date the land use decision is issued to be considered timely. (RCW 36.70C.040(3))

The staff report is not an appealable action. Parties are invited to submit written comments on the staff report as indicated below and are invited to give testimony at the Pre-Decision Open Record Public Hearing before the Planning Commission.

The recommendation of the Planning Commission is also not appealable.

The City Council is the decision-making body and the adoption of a subdivision is a legislative decision. Legislative decisions to adopt or not adopt ordinances or resolutions are not appealable. Legal council should be consulted for advice regarding legal remedy.

CONTACT PERSON:

Travis Goddard, Community Development Director

City of Woodland

PO Box 9

230 Davidson Ave Woodland, WA 98674

Goddardt@ci.woodland.wa.us

Date: May 14, 2020

Signature:

#### Attachments

A. Heron Meadows Subdivision Plat

B. SEPA MDNS signed April 18, 2006

C. Riverview Subdivision Final Order dated August 2, 2006

D. Riverview Subdivision Plat Maps (expired)

E. Pacificorp comments

F. Andy Loud comments

G. Clark County Fire & Rescue comments

H. E-mail regarding the waiver of the traffic study.

Cc: Applicant

Parties of Record
Department Heads
Rob VanderZanden, P.E.
Fire Marshal
Mayor



2117 NE Oregon Street, Suite 502 Portland, OR 97232 www.aquariusenv.com

503.828.0265

May 18, 2020

Travis Goddard City of Woodland Community Development Department PO Box 9, 230 Davidson Ave, Woodland, WA 98674

Via Fmail - GoddardT@ci.woodland.wa.us

RE: Heron Meadows Subdivision

Land Use Application - SUB 2020-001

Travis, In response to your email dated May 15 with staff comments, we are providing a project phasing narrative for the Heron Meadows Subdivision, Phases 1 thru, specifically:

#### Phase 1

- Develop Lots 22, 23, 28, 29, 30 and 31.
- Construct Street "A" from the intersection with Lewis River Road to Station 5+44 (north of Lot 13).
- Connect new 8" sanitary sewer to the existing manhole (near southwest corner of Lot 28) and extend main to Street "A" station 5+44 and stub out for future connection.
- Connect new 8" water main to existing main in Lewis River Road and extend main to Street "A" Station 5+44 and stub out for future connection.
- Install two fire hydrants one at intersection with Street "C" and one near Street "A" Station 5+44.
- Construct Road "C" from intersection with Street "A" to Street "C" Station 2+30 (north of Lot 22).
- Extend sanitary sewer and water main to Street "C" Station 2+30 and stub out for future connection.
- Construct stormwater retention pond.
- Construction stormwater main with associated catch basin along Street "A" to Station 5+22.
- Extend stormwater main from Street "A" Station 5+22 to the south end of the retention pond.
- Construction Tract "A" street.

• Install water and sanitary sewer main extensions in Tract "A" street with stub-out for future con.

#### Phase 2

- Develop Lots 8, 9, 10, 11, 12, 13, 14, 15, 16 and 17.
- Extend Street "A" from Station 5+44 to the intersection with Street "B".
- Construction Street "B" 50 feet east and west of centerline intersection with Street "A".
- Extend 8" sanitary sewer in Street "A" to manhole at intersection with Street "B".
- Extend 8" sanitary sewer in Street "B" 50 east and west to stub outs for future connection.
- Extend water main along Street "A" to Street "B" intersection and 50 feet east and west in Street "B".
- Install fire hydrant at Street "B" intersection.
- Extend stormwater main with associated catch basins from stub out in Street "A" to the north end of the retention pond.

#### Phase 3

- Develop the remaining Lots.
- Construct Street "B" from intersection with Lewis River Road to east end.
- · Construct temporary cul-du-sac on at east end of Street "B".
- Extend remaining sanitary sewer and water mains.
- Complete remaining stormwater mains and associated catch basins.

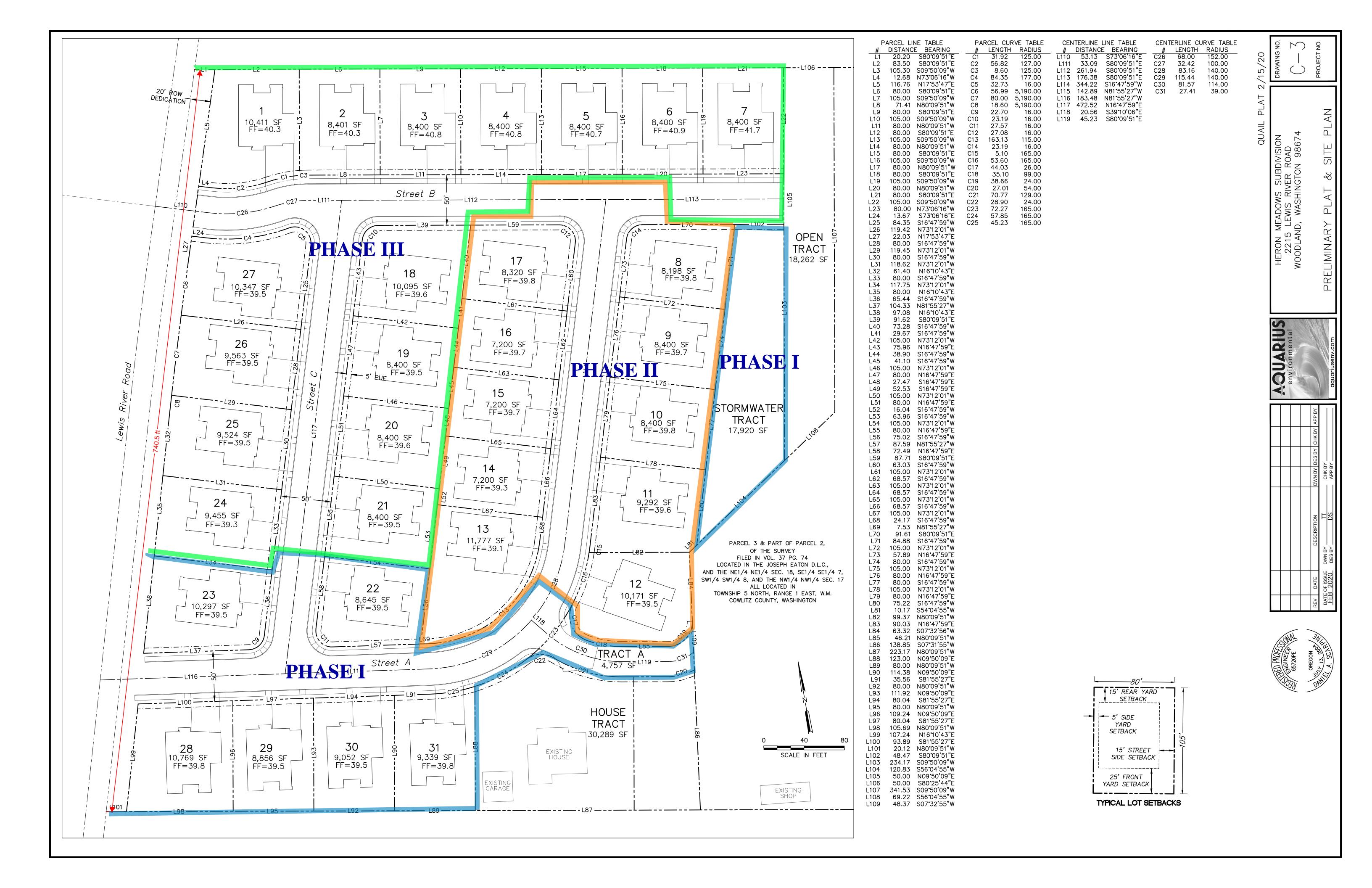
Should you have any questions about project phasing or the site in general you can contact me directly at 503.828.0265 or daniels@aquariusenv.com.

Sincerely,

Daniel A. Scarpine, PE

Cc: Larry Cowlishaw, Method Construction Connie Taylor, Andrew Loud – Property Owners

Propine





# **Community Development Department**

P.O. Box 9, 230 Davidson Avenue Woodland, WA 98674 www.ci.woodland.wa.us (360) 225-1048 / FAX # (360) 225-7336

### SUPPLEMENTAL STAFF REPORT

ISSUE DATE: May 20, 2020
Project Title: Heron Meadows 31-lot Subdivision
Land Use Application No.: SUB 2020-001

Applicant:	Method Construction
	Larry Cowlishaw
	PO Box 33822
	Portland, OR 97292
Property Owner:	Andy Loud & Connie Taylor
	2215 Lewis River Road
	Woodland, WA 98674
Site Location:	2225 Lewis River Road
	Woodland, WA 98674
Parcel Number:	508440100 and 508820100
Parcel Size:	8.35 acres
Hearing Date & Time:	May 21st, 2020 at 7:00 pm
Hearing Location:	The hearing will be conducted using remote GoToMeeting or FreeConferenceCall for remote attendance, and at the City of Woodland Council Chambers in the Police Station at 200 East Scott Avenue, Woodland, WA 98674. Participation instructions will be made available as part of the agenda published on the City's website at <a href="https://www.ci.woodland.wa.us">www.ci.woodland.wa.us</a>

#### I. DESCRIPTION OF PROPOSAL:

Staff has identified issues that need correction or clarification. Also, the applicant has proposed a phasing plan to divide the project into 3 phases.

#### II. FINDINGS:

#### Supplemental Finding #1

#### Hatchery vs Release Facility on the Pacificorp property

Staff has incorrectly identified the Pacificorp facility as a "hatchery" it is in fact a fish release facility. Consequently Findings #12 and #48 are modified in part on in whole as follows:

**Revised Finding 12:** In early 2018, the property owner and a partner performed a pre-application conference to review the viability of the site for division given the expired Riverview permits and the fact that the northernmost parcel had since been developed by Pacificorp as a <u>fish release facility</u>, and the approval of the Bond Short Plat to the south.

**Revised Finding 48:** Pacificorp operates the <u>fish release facility</u> on the neighboring property. They expressed concern about the eagle's nest on their property and ensuring future residents know that the <u>facility</u> is existing and recognizing the potential impacts from the <u>facility</u> prior to purchase of the property. While there is nothing in the regulations, staff has included advisory notes as a condition of approval. (See Attachment E and Condition 2c)

Condition #3 is revised to have a plat note to read as follows:

#### **Revised Plat Note**

**3.b** The Pacificorp fish release facility on the adjacent property predates this development. Owners acknowledge that Pacificorp will not be responsible for any noise, odors, or related impacts from the normal operation of the facility.

Title 16 SUBDIVISIONS

<u>Design Standards (Chapter 16.14)</u>

Landscape buffer along SR-503 (Lewis River Road)

#### Supplemental Finding #2

In the staff report, staff missed a condition of approval that requires a 10-foot landscaping strip along the east property line. WMC 16.14.240(I) says:

"I. Where residential subdivisions abut a major arterial, the subdivider shall provide a buffer strip at least ten feet in width along the property line abutting the arterial. The buffer strip may or may not be dedicated and shall be improved in accordance with subsection B of Section 16.16.060. If not dedicated, the strip shall be designated on the plat as follows: "This strip is reserved for screening. The placement of any structure hereon is prohibited.""

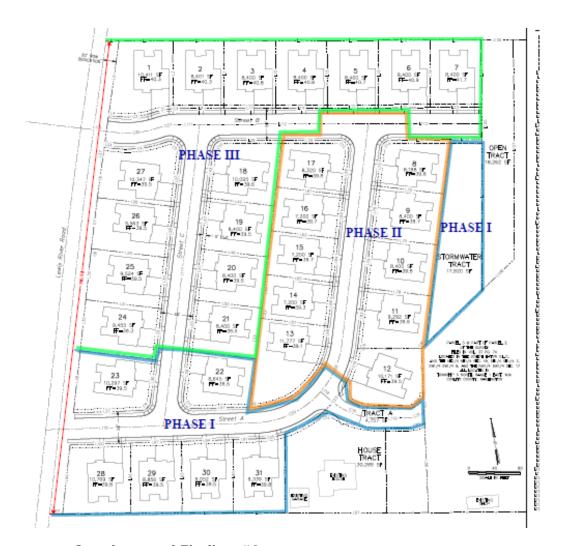
This landscaping buffer is not within the right of way and must be part of the subdivision lots fronting on Lewis River Road (currently lots 1, and 23 through 28). Staff is recommending that the following condition be added:

#### **New Condition #32**

32. Lots fronting on Lewis River Road shall provide a 10-foot landscaping buffer meeting WMC 16.16.060. As part of the final plat process, a landscape design showing hedges, trees and fencing for the landscaping buffer shall be submitted for review and approval. Landscaping shall be either installed prior to filing the final plat, or, as part of the landscaping plan, landscaping may be deferred to final occupancy for each lot.

#### **Phasing**

The applicant has proposed the attached phasing plan. Staff has translated the request into a graphic that it believes shows the proposed phasing plan. (See below)



### Supplemental Finding #3

Clark County Fire & Rescue has reviewed the phasing plan and believes that hydrant spacing, and emergency vehicle access can be addressed as part of the final engineering process. Not additional conditions are required to address CCF&R concerns at this time.

#### Supplemental Finding #4

The phasing narrative does not address the timing of frontage improvements on Lewis River Road (SR-503).

Frontage improvements along Lewis River Road should be installed prior to final plat for any phase. However, under WMC 16.12 (Improvements – Assurance for completion and maintenance) applicants may provide bonds or other financial surety for on-site and offsite improvements. (See Condition #33)

#### New Condition #33

33. The Lewis River Road (SR-503) frontage improvements shall be constructed as required above (Condition #6) unless another form of financial assurance meeting WMC 16.12 is arranged or completed prior to the recording of a plat. Said agreement of assurance shall be negotiated with the Public Works Director and approved by the City Council at a regular meeting of the Council.

Supplemental Staff Report Heron Meadows Subdivision SUB 2020-001

#### III. STAFF RECOMMENDATION:

Based upon the additional analysis herein, staff continues to recommend that the Planning Commission recommend **APPROVAL of Heron Meadows Subdivision with conditions** as listed in the staff report dated May 14, 2020 and as modified herein.

The Commission's recommendation will be documented and sent to the Woodland City Council for review. Staff expects the Council to consider the recommendation at the June 15<sup>th</sup>, 2020 Council meeting, or the July 6<sup>th</sup> meeting. Those meetings are held at 7:00 pm and will be held by GoToMeeting for remote attendance, and/or at the City of Woodland Council Chambers in the Police Station at 200 East Scott Avenue, Woodland, WA 98674. Participation instructions will be made available as part of the agenda published on the City's website at www.ci.woodland.wa.us

CONTACT PERSON: Travis Goddard, Community Development Director

City of Woodland

PO Box 9

230 Davidson Ave Woodland, WA 98674

Goddardt@ci.woodland.wa.us

Date: May 20, 202	<u>:0</u> Signature:	:ATG	

Attachments

A. Phasing Narrative

B. Phasing Map

Cc: Applicant
Parties of Record
Department Heads
Rob VanderZanden, P.E.
Fire Marshal
Mayor