

August 19, 2022

Pacific Community Design, Inc. Attn: Patrick Espinosa 12564 SW Main St Tigard, OR 97223

RE: Approval of Grading Permit GRAD 22-06 "Dove Landing PUD" for 2045 Molalla Rd NE (Tax Lots 051W06C000400 & 800)

Dear Mr. Espinosa:

Staff approves the Grading Permit, subject to the conditions of approval outlined in this letter.

Summary of Review:

This site is subject to the development standards of the <u>Woodburn Development Ordinance</u> (<u>WDO</u>). The applicant is requesting to perform grading work in preparation for construction of a residential subdivision. Pursuant to WDO 4.01.02, the Director shall render all Type I land use decisions. The Director's decision is the final decision of the City on a Type I application and cannot be appealed by any party through the City land use appeals process.

Planning Conditions of Approval:

- 1. Conformance with Approved Plans: All site work shall be in substantial conformance with the approved grading plans.
- 2. DEQ: All development activity shall be in accordance with the approved Department of Environmental Quality (DEQ) 1200-C permit. The applicant shall provide to the City any modifications to the DEQ permit.
- 3. Other agencies: The applicant, not the City, is responsible for obtaining permits from Marion County, US Army Corps of Engineers (USACE), Oregon Department of State Lands (DSL), Oregon Department of Transportation (ODOT), and other agencies which might require approval or permit.

- 4. ROW: All work within City rights-of-way (ROWs) or easements within City jurisdiction shall require plan approval and permit issuance from the Public Works Department.
- 5. Tree preservation: The applicant shall preserve trees according to the Tree Preservation Plan (Sheets 112-118 in the approved plans). Height of the tree protection fencing shall be 6 feet.

Public Works Conditions of Approval:

- 6. The applicant shall comply with the submitted grading and erosion control plans, including measures to keep the ROW clean, to protect existing catch basins around the work area, and maintain dust control measures. All catch basins around the work area shall be clean of debris and soils at all times. Note that erosion control plans may be subject to modifications if and when grading and civil improvements of other phases of the Smith Creek Development are completed.
- 7. Construction access is limited to only one construction entrance onto N. Boones Ferry Rd.
- 8. The applicant shall continuously maintain adequate protection of all work from damage and protect the public and private property of others from injury or loss arising in connection with the work.
- 9. The applicant shall comply with City of Woodburn Planning Department requirements through Woodburn Development Ordinance (WDO) 5.01.04 Grading Permit.
- 10. Prior to starting work, contact the Public Works Department for inspection of the erosion control in the public ROW. Contact the Engineering Division at (503) 982-5240.
- 11. The applicant shall leave ROW in clean condition, free from litter and debris, at the end of each workday, or more frequently if directed by the City Inspector.
- 12. Sidewalk and street closures are not allowed under this permit.
- 13. Prior to starting work, silt fencing shall be installed around the entire perimeter of the work area. Applicant shall comply with all requirements and conditions set on their 1200C permit.

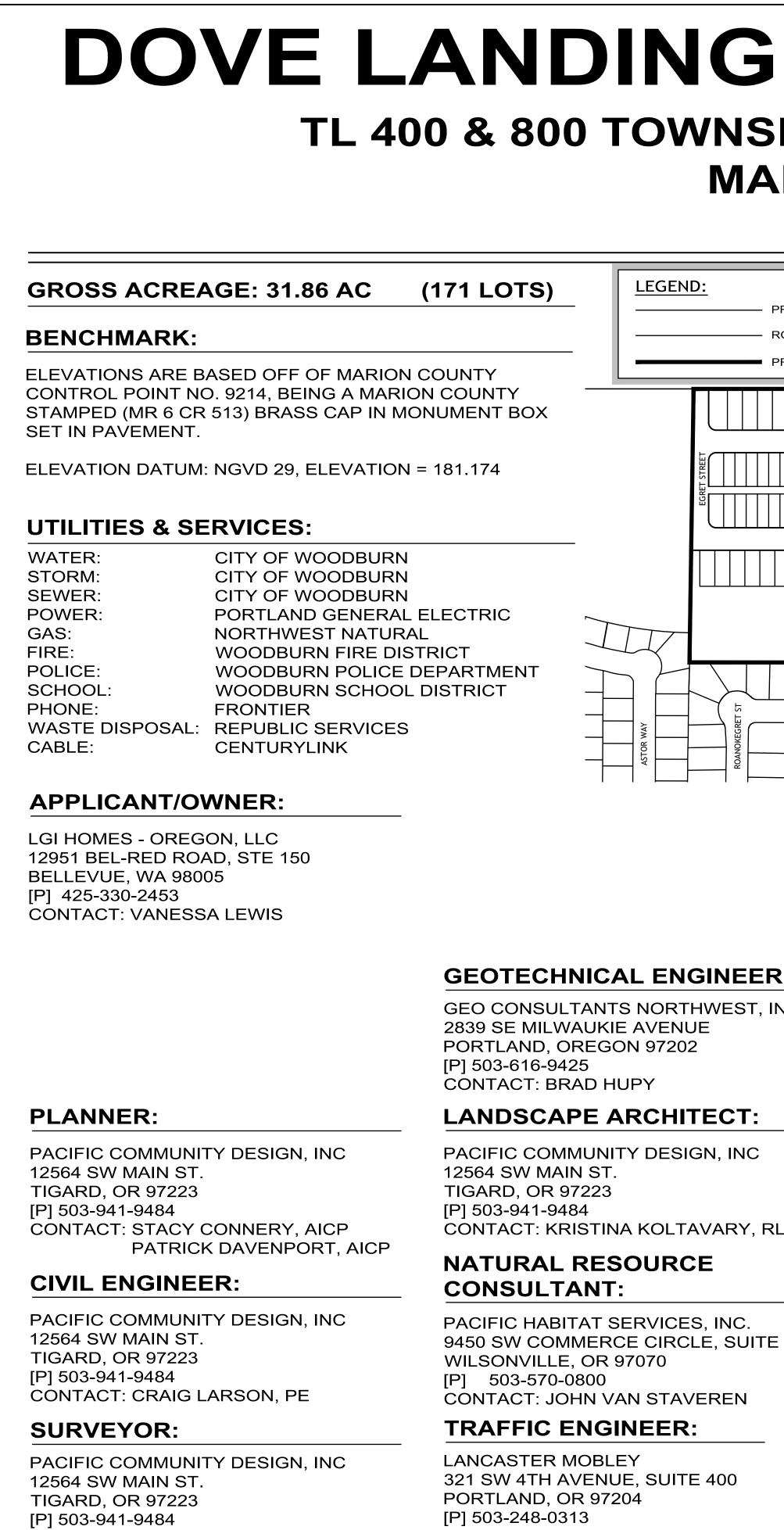
Final decision approved by designee:

Dan Handel, AICP Planner

August 19, 2022

Enclosure:

- 1. Approved Plans
- cc: Chris Kerr, Community Development Director Colin Cortes, AICP, CNU-A, Senior Planner Curtis Stultz, Public Works Director Dago Garcia, PE, City Engineer John Rasmussen, Marion County Public Works Vanessa Lewis, LGI Homes Inc.
- file: GRAD 22-06



CONTACT: TRAVIS JANSEN, PLS, PE

CONTACT: JESSICA HIJAR

SHIP 5		E 1 WEST, SEC. 6 V	G PLANS w.m.	Ist submittal:10/12/20212ND submittal:2/1/20223RD submittal:5/11/2022
PROPERTY LINES ROW LINES PROJECT BOUNDAP	RY 200 SCALE 200 1 INCH = 200 FEET 1 INCH = 200 FEET OWL AVENUE 0WL AVENUE DARKSIDE AVENUE 0WL AVENUE	CUTVER STREET	CROSEY ROAD NE PROJECT SITE	NO. DATE DESCRIPTION
RAVEN ST	EAGLE DRIVE	HAZELNUT DRIVE	MT HOOD AVENUE VICINITY MAP	DOVE LANDING PUD
:R: , INC.	SHEET INDEX: 100 COVER SHEET 101 GENERAL CONSTRUCTION NOTES 102 EXISTING CONDITIONS 103 EXISTING CONDITIONS 104 SITE PLAN (WEST) 105 SITE PLAN (EAST) 106 GRADING PLAN (WEST) 107 GRADING PLAN (EAST) 108 LOT GRADING SECTIONS 109 LOT GRADING SECTIONS 110 COMPOSITE UTILITY PLAN 111 COMPOSITE UTILITY PLAN 112 TREE PROTECTION PLAN 113 TREE PROTECTION PLAN 114 TREE PROTECTION PLAN 115 TREE PROTECTION PLAN	SHEET INDEX (CONT.):F8TRACT O GRADING PLANF9TRACT P GRADING PLANS1SIGNAGE AND STRIPING DETAILSS2SIGNAGE AND STRIPING DETAILSS3SIGNAGE AND STRIPING DETAILSD2.01STREET DETAILSD2.02STREET DETAILSD2.03STREET DETAILSD2.04STREET DETAILSD2.05SULN-1 STORM PLAN & PROFILE301SDLN-1 STORM PLAN & PROFILE303SDLN-1 STORM PLAN & PROFILE304SDLN-2 STORM PLAN & PROFILE	SHEEET INDEX (CONT.):01WATER PLAN502WATER PLAN50312" WATER LINE EXTENSION IN BOONES FERRY PLAN AND0312" WATER LINE EXTENSION IN BOONES FERRY PLAN AND04PROFILE050105WATER DE NILS05.02WATER DE TAILS05.02WATER DE TAILS050204EC1.005COVER SHEET050204EDIMENT CONTROL NOTES050205EC1.105EXISTING CONDITIONS AND DEMOLITION PLAN04EC2.205EXISTING CONDITIONS AND DEMOLITION PLAN05EC3.005RUNOFF CONTROL PLAN05EC4.005SITE IMPROVEMENT PLAN05EC5.105VERTICAL CONSTRUCTION AND SITE STABILIZATION PLAN	EXPIRES: 12-31-22
RLA	 116 TREE PROTECTION PLAN 117 TREE PROTECTION PLAN 118 TREE PROTECTION PLAN 201 OWL AVENUE PLAN & PROFILE 202 OWL AVENUE PLAN & PROFILE 203 OWL AVENUE PLAN & PROFILE 204 PARKSIDE AVENUE PLAN & PROFILE 205 PARKSIDE AVENUE PLAN & PROFILE 206 PARKSIDE AVENUE PLAN & PROFILE 207 CULVER STREET PLAN & PROFILE 208 CULVEP STREET PLAN & PROFILE 209 DOVE STREET PLAN & PROFILE 210 FORET STREET PLAN & PROFILE 211 ALLEY 1 PLAN & PROFILE (MDDLE) 213 ALLEY 1 PLAN & PROFILE (WEST) 	 305 SDLN-3 STORM PLAN & PROFILE 306 SDLN-4 STORM PLAN & PROFILE 307 SDLN-5 STORM PLAN & PROFILE 308 SDLN-5 STORM PLAN & PROFILE 309 SDLN-5 STORM PLAN & PROFILE 310 SDLN-6 STORM PLAN & PROFILE 311 SDLN-7 STORM PLAN & PROFILE 312 SDLN-8 STORM PLAN & PROFILE 313 SDLN-8 STORM PLAN & PROFILE 314 SDLN-7 STORM PLAN & PROFILE 315 SDLN-EX 36" STORM PLAN & PROFILE 316 SDLN-EX 36" STORM PLAN & PROFILE 317 SDLN-EX 36" STORM PLAN & PROFILE 318 SDLN-EX 24" STORM PLAN AND PROFILE 319 SDLN-EX 24" STORM PLAN AND PROFILE 321 WATER QUALITY FACILITY PLAN & PROFILE 	 EC5.2 VERTICAL CONSTRUCTION AND SITE STABILIZATION PLAN EC6.1 EROSION AND SEDIMENT CONTROL DETAILS EC6.2 EROSION AND SEDIMENT CONTROL DETAILS IL-1 HLUMINATION DETAILS IL-2 ILLUMINATION PLAN EN01 STREET TREE PLANTING PLAN & LEGEND L1.02 STREET TREE PLANTING PLAN L2.01 OPEN SPACE PLANTING PLAN L2.02 OPEN SPACE PLANTING PLAN & LEGEND L3.01 WATER QUALITY POND LAYOUT & MATERIALS PLAN L3.03 WATER QUALITY POND PLANTING PLAN, & LEGEND L4.01 PLANTING DETAILS L4.02 WATER QUALITY POND CONSTRUCTION DETAILS L4.03 WATER QUALITY POND CONSTRUCTION DETAILS 	
ΓE 180 -	CR1CURB RETURNSCR2CURB RETURNSCR3CURB RETURNSCR4CURB RETURNSCR5CUB RETURNSCR6CURB RETURNSCR7CURB RETURNSCR8CURB RETURNSCR9CURB RETURNSF1TRACT B GRADING PLANF2TRACT F GRADING PLANF3TRACT F GRADING PLANF4TRACT L (WEST) GRADING PLANF5TRACT L (WEST) GRADING PLANF6TRACT M GRADING PLANF7TRACT N GRADING PLAN	 DS 01 STORM DETAILS D3.02 STORM DETAILS D3.03 STORM DETAILS D3.04 STORM DETAILS 401 SSLN-A SANITARY PLAN & PROFILE 402 SSLN-A SANITARY PLAN & PROFILE 403 SSLN-A SANITARY PLAN & PROFILE 404 SSLN-A SANITARY PLAN & PROFILE 405 SSLN-B SANITARY PLAN & PROFILE 406 SSLN-B SANITARY PLAN & PROFILE 407 SSLN & SANITARY PLAN & PROFILE 408 SOLN-C AND SSLN-D SANITARY PLAN & PROFILE 409 SANITARY DETAILS 54.02 SANITARY DETAILS 	RD1COVER SHEETRD2GENERAL CONSTRUCTION NOTESRD3EXISTING CONDITIONS BOOMES FERRY AND DEMOLITION PLANRD4BOONES FERRY PLAN AND PROFILERD5BOONES FERRY PLAN AND PROFILERD6BOONES FERRY COSS SECTIONSRD7BOONES FERRY FINE GRADING PLANRD8BOONES FERRY STORM PLAN AND PROFILERD9BOONES FERRY SDLN-9 STORM PLAN AND PROVILERD10ROADWAY DETAILSRD11RCADWAY DETAILSRD12STORM DETAILSRD13BOONES FERRY SIGNAGE AND STRIPING PLANRD14SIGNAGE AND STRIPING DETAILSRD15SIGNAGE AND STRIPING DETAILS	PACIFIC COMMUNITY DESIGN12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484PROJECT NO.:142-001TYPE:CONSTRUCTIONREVIEWED BY:PREPROJECT NO.:142-001TYPE:CONSTRUCTIONREVIEWED BY:PREPRE10000

GENERAL NOTES

1. CONTRACTOR SHALL PROCURE AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF WOODBURN, MARION COUNTY, AND OTHER AGENCIES.

1A. APPLICANT TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF WOODBURN INCLUDE THE DOVE LANDING DEVELOPMENT FINAL ORDER (MAY 10, 2021) AND ITS CONDITIONS OF APPROVAL.

2. CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION.

3. ALL MATERIALS AND WORKMANSHIP FOR FACILITIES IN STREET RIGHT-OF-WAY OR EASEMENTS SHALL CONFORM TO THE APPLICABLE REGULATIONS, SPECIFICATIONS, CODES AND REQUIREMENTS OF THE CITY OF WOODBURN, MARION COUNTY, AMERICAN PUBLIC WORK ASSOCIATION OREGON CHAPTER (A.P.W.A.) STANDARD PLANS AND SPECIFICATIONS, THE OREGON SPECIFICATIONS STATE PLUMBING CODE, THE UNIFORM BUILDING CODE, THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY, AND THE OREGON HEALTH DIVISION (OHD)

4. UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR, CONSTRUCTION OF ALL PUBLIC FACILITIES SHALL BE DONE BETWEEN 7: 00 A.M. AND 6: 00 P.M., MONDAY THROUGH FRIDAY.

5. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.

6. CONTRACTOR TO NOTIFY CITY, COUNTY, ODOT AND ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS (2 BUSINESS DAYS) PRIOR TO START OF CONSTRUCTION BY CALLING "ONE CALL" AT 246-6699 AND ALL OTHER APPLICABLE AGENCIES, AND SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF ORS 757.541 TO 757.571.

7. ANY INSPECTION BY THE CITY, COUNTY OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE APPLICABLE CODES AND AGENCY REQUIREMENTS.

8. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER CITY, COUNTY AND ODOT REQUIREMENTS IN ACCORDANCE WITH THE MUTCD (INCLUDING OREGON AMENDMENTS). ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY.

9. RECORD DRAWINGS. THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ANY APPROVED DEVIATIONS IN CONSTRUCTION FROM THE APPROVED DRAWINGS, AS WELL AS THE STATION LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES ENCOUNTERED. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE CITY UPON REQUEST.

10. UPON COMPLETION OF CONSTRUCTION OF PUBLIC FACILITIES, CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE DESIGN ENGINEER FOR USE IN THE PREPARATION OF AS-BUILT DRAWINGS FOR SUBMITTAL TO THE CITY.

11. THE CONTRACTOR SHALL SUBMIT A SUITABLE MAINTENANCE BOND PRIOR TO FINAL PAYMENT WHERE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION.

12. CONTRACTOR SHALL CONFORM TO DEQ STORMWATER PERMIT NO. 1200C FOR CONSTRUCTION ACTIVITIES WHERE 1 ACRES OR MORE ARE DISTURBED.

13. THE ENGINEER AND APPLICABLE AGENCY MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION OR VARIANCE FROM THESE PLANS. ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER AND THE CITY FOR APPROVAL.

EXISTING UTILITIES & FACILITIES

14. THE EXISTENCE AND APPROXIMATE LOCATION OF KNOWN UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE DRAWINGS WERE DETERMINED BY A SEARCH OF AVAILABLE PUBLIC RECORDS AND/OR FIELD SURVEYS. THE LOCATIONS AND DEPTHS OF THESE UTILITIES ARE FROM THESE RECORDS AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. NO RESPONSIBILITY IS ASSUMED BY EITHER THE OWNER, THE ENGINEER, NOR THE UTILITY COMPANIES FOR ACCURACY OF COMPLETENESS OF SUCH RECORDS.

15. ATTENTION: OREGON LOW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987).

16. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES ON THIS SITE. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THESE DRAWINGS, SHALL BE REPAIRED OR REPLACE AT THE CONTRACTOR'S EXPENSE. EXISTING SURFACE FEATURES AND FENCING SHALL BE REPLACE IN KIND.

17. THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES LOCATED PRIOR TO STARTING ANY WORK.

18. CONTRACTOR SHALL POTHOLE TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION SHALL PROVIDE LAND DEVELOPMENT CONSULTANTS 72-HOURS NOTICE OF ANY POTENTIAL CONFLICTS.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF BURIED AND OVERHEAD UTILITIES.

20. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND ELEVATIONS TO HIS OR HER SATISFACTION.

21. DEMOLITION WORK SHALL INCLUDE REMOVAL OF ALL STUMPS AND VEGETATION DEBRIS. CONFORMANCE WITH ALL REGULATIONS AND PERMITTING REQUIREMENTS FOR SUCH WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

22. ALL OPEN CUTTING OF EXISTING STREETS SHALL BE PATCHED WITH A.C., COLD (TEMPORARY) OR HOT MIX, AT THE CLOSE OF EACH WORK DAY. TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT.

23. CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING PROPERTY AND STREET MONUMENTS PRIOR TO CONSTRUCTION. ANY MONUMENTS DISTURBED DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. THE MONUMENTS SHALL BE REPLACED WITHIN A MAXIMUM OF 90 DAYS, AND THE COUNTY SURVEYOR SHALL BE NOTIFIED IN WRITING AS REQUIRED BY ORS 209.150.

24. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING

THE WORK. IF GRADE MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER SHALL OBTAIN APPROVAL FROM THE CITY ENGINEER PRIOR TO CONSTRUCTION. ALL UTILITY CROSSINGS SHALL BE POTHOLED AS NECESSARY PRIOR TO EXCAVATING OR BORING TO ALLOW THE CONTRACTOR TO PREVENT GRADE OR ALIGNMENT CONFLICTS.

25. ALL EXISTING FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN ON EQUAL OR BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY ENGINEER.

26. UTILITIES, OR INTERFERING PORTIONS OF UTILITIES, THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES.

27. CONTRACTOR SHALL REMOVE ALL EXISTING SIGNS, MAILBOXES, FENCES, LANDSCAPING, ETC. AS REQUIRED TO AVOID DAMAGE DURING CONSTRUCTION AND REPLACE THEM TO EXISTING OR BETTER CONDITION.

28. ANY SEPTIC TANKS ENCOUNTERED DURING CONSTRUCTION SHALL BE PUMPED OUT. CONTRACTOR SHALL BREAK BOTTOM OF TANK AND BACKFILL WITH PEA GROVEL UNLESS OTHERWISE REQUIRED BY THE GOVERNING PUBLIC AGENCY. SEPTIC TANK REMOVAL TO BE IN ACCORDANCE WITH COUNTY SANITARIAN REQUIREMENTS.

29. ANY WELLS ENCOUNTERED SHALL BE ABANDONED PER STATE OF OREGON WATER RESOURCES DEPARTMENT REQUIREMENTS.

30. ANY FUEL TANKS ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF PER STATE OF OREGON DEQ REQUIREMENTS. BACKFILL WITH COMPACTED GRANULAR MATERIAL.

GRADING, PAVING & DRAINAGE NOTES

31. CONTRACTOR TO REVIEW THE MOST CURRENT SOILS REPORT PREPARED BY GEO PACIFIC AND CONFORM TO ALL RECOMMENDATIONS LISTED IN THE REPORT.

32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO INSURE THAT PUBLIC STREETS AND RIGHT-OF-WAYS ARE KEPT CLEAN OF MUD. DUST OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.

33. UNLESS OTHERWISE NOTED, ALL GRADING, ROCKING AND PAVING TO CONFORM TO THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION 2018.

34. CLEAR AND GRUB WITHIN WORK LIMITS ALL SURFACE VEGETATION, TREES, STUMPS, BRUSH, ROOTS, ETC. DO NOT DAMAGE OR REMOVE TREES EXCEPT AS APPROVED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS. PROTECT ALL ROOTS TWO INCHES IN DIAMETER OR LARGER OF TREES TO BE SAVED.

35. STRIP WORK LIMITS PER THE GEOTECHNICAL RECOMMENDATIONS, REMOVING ALL ORGANIC MATERIAL WHICH CANNOT BE COMPACTED INTO A STABLE MASS. ALL TREES, BRUSH AND DEBRIS ASSOCIATED WITH CLEARING, STRIPPING OR GRADING SHALL BE REMOVED AND DISPOSED OF OFF-SITE.

36. IMMEDIATELY FOLLOWING FINE GRADING OPERATIONS, COMPACT SUBGRADE TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR). SUBGRADE MUST BE INSPECTED AND APPROVED BY THE CITY PRIOR TO PLACING EMBANKMENTS OR BASE ROCK.

37. ALL FILLS WITHIN PUBLIC RIGHT-OF-WAYS AND EASEMENTS SHALL BE ENGINEERED; ADDITIONALLY, ANY FILLS OUTSIDE OF PUBLIC RIGHT-OF-WAYS WHICH ARE OVER 2 FEET IN DEPTH SHALL BE ENGINEERED. ENGINEERED FILLS SHALL BE CONSTRUCTED IN 6" LIFTS. EACH LIFT SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR).

38. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, STRAIGHT GRADES SHALL BE RUN BETWEEN ALL FINISH GRADE ELEVATIONS AND/OR FINISH CONTOUR LINES SHOWN. FINISH PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING PAVEMENT GRADES OR BE FEATHERED PAST JOINTS WITH EXISTING PAVEMENT AS REQUIRED TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.

39. ALL PROPOSED ELEVATIONS SHOWN SHALL BE CONSIDERED TO BE FINISH SURFACE ELEVATIONS, INCLUDING TOPSOIL STRIPPINGS, UNLESS OTHERWISE NOTED.

40. CRUSHED ROCK SHALL CONFORM TO THE REQUIREMENTS OF SECTION 00641 (AGGREGATE SUBBASE, BASE, AND SHOULDERS) OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION 2018. COMPACT TO 95% OF THE MAXIMUM DRY DENSITY. WRITTEN COMPACTION TEST RESULTS MUST BE RECEIVED BY THE CITY PRIOR TO SCHEDULING PLACEMENT OF A.C. PAVEMENT.

41. A.C. PAVEMENT SHALL CONFORM TO THE REQUIREMENTS OF SECTION 00744 (ASPHALT CONCRETE PAVEMENT) OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION 2018. A.C. PAVEMENT SHALL BE COMPACTED TO A MINIMUM OF 92% OF MAXIMUM DENSITY AS DETERMINED BY THE RICE STANDARD METHOD.

42. ALL EXISTING OR CONSTRUCTED MANHOLES. CLEAN OUTS, MONUMENTS. GAS VALVES. WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE PAVEMENT, SIDEWALK, LANDSCAPED AREA OR MEDIAN STRIP RETRIEVAL FROM THE OUTSIDE OF THE MANHOLE. WHEREIN THEY LIE.

43. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, NO CUT OR FILL SLOPES SHALL BE CONSTRUCTED STEEPER THAN 2H: 1V.

44. ALL PLANTER AREAS SHALL BE BACKFILLED WITH APPROVED TOP SOIL MINIMUM 8" THICK. STRIPPING MATERIALS SHALL NOT BE USED FOR PLANTER BACKFILL.

45. CONTRACTOR SHALL HYDROSEED ALL EXPOSED SLOPES AND DISTURBED AREAS 69. NO TRENCHES IN ROADS OR DRIVEWAYS SHALL BE LEFT IN ON OPEN WHICH ARE NOT SCHEDULED TO BE LANDSCAPED. CONDITION OVERNIGHT. ALL SUCH TRENCHES SHALL BE CLOSED BEFORE THE END WORK DAY AND NORMAL TRAFFIC FLOWS RESTORED.

46. GRADING SHOWN ON THE DRAWINGS IS CRITICAL TO FUNCTIONING OF DETENTION SYSTEM AND SHALL BE STRICTLY FOLLOWED.

47. THE REMOVAL OF UNSUITABLE MATERIAL SHALL BE DONE IN CONSULTATION WITH THE SOILS ENGINEER. UNSUITABLE MATERIAL SHALL BE DISPOSED OF AS DETERMINED BY THE SOILS ENGINEER. IF SUCH MATERIAL IS REMOVED FROM THE SITE IT SHALL BE DONE AT THE CONTRACTOR'S SOLE EXPENSE.

48. CONTRACTOR TO HAVE SUFFICIENT NUMBER OF COMPACTION TESTS PERFORMED ON EACH LIFT TO MEET THE CITY OF WOODBURN REQUIREMENTS AT 24 INCHES IN DIAMETER SHALL BE 350 PSI FOR MJ FITTINGS AND 250 PSI FOR THE OWNER'S EXPENSE. TESTS SHALL BE PERFORMED BY A QUALIFIED TESTING FLANGED FITTINGS. AGENCY AND WRITTEN RESULTS SHALL BE PROVIDED TO THE APPROPRIATE AGENCY. SHOULD COMPACTION REQUIREMENTS NOT BE MET, CONTRACTOR SHALL 72. UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER, ALL VALVES SHALL BE RE-COMPACT THE FILL AND PAY ALL ADDITIONAL TESTING COSTS. TESTS SHALL BE FLANGE CONNECTED TO ADJACENT TEES OR CROSSES. TOKEN AT INTERVALS NOT GREATER THAN EVERY 100' IN THE PUBLIC STREET SECTION. 73. WATER SERVICE PIPE ON THE PUBLIC SIDE OF THE METER SHALL BE TYPE K

49. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL CATCH BASINS, CLEANOUTS, VAULTS, ETC. THAT ARE AFFECTED BY CONSTRUCTION AND/OR FILL TO FINISH GRADE. STORM DRAIN INLET STRUCTURES SHALL BE ADJUSTED SO WATER FLOWS INTO THE STRUCTURE WITHOUT PONDING WATER.

50. DURING COMPACTION OF AGGREGATE BASE, MATERIALS SHALL BE MAINTAINED WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT. THE CONTRACTOR SHALL BEGIN COMPACTION OF EACH LAYER IMMEDIATELY AFTER THE MATERIAL IS SPREAD, AND CONTINUE UNTIL A DENSITY OF NOT LESS THAN 95% OF AASHTO T-180 HAS BEEN ACHIEVED.

51. THE SURFACE OF THE AGGREGATE BASE SHALL BE WITHIN -0.04 FOOT TO +0.02 FOOT OF PLAN ELEVATION AT ANY ONE POINT. THE FINAL SURFACE SHALL NOT DEVIATE AT ANY POINT MORE THAN 0.04 FOOT FROM THE BOTTOM OF A 12-FOOT STRAIGHTEDGE LAID IN ANY DIRECTION ON THE SURFACE OF THE ROADWAY.

52. ASPHALTIC CONCRETE PAVEMENTS WHICH DO NOT MEET SUBSTANTIAL COMPLIANCE REQUIREMENTS FOR COMPACTION. AND ARE DEEMED BY THE ENGINEER TO BE NOT SUITABLE FOR USE, WILL BE REJECTED. ANY REJECTED MATERIAL SHALL BE REMOVED. NO PAYMENT WILL BE MADE FOR THE REJECTED MATERIAL, OR FOR REMOVAL OF THE REJECTED MATERIAL

53. ANY PAVEMENT WITH A RICE STANDARD DENSITY LESS THAN 92% SHALL BE DEEMED UNSUITABLE. AND WILL BE REJECTED. ANY REJECTED MATERIAL SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.

CURBS & SIDEWALKS

54. UNLESS OTHERWISE SHOWN OR INDICATED ON THE DRAWINGS, 6-INCHES NOMINAL CURB EXPOSURE USED FOR DESIGN OF ALL PARKING LOT AND STREET GRADES.

55. CONTRACTOR SHALL PROVIDE 0 MINIMUM 2 WEEP HOLES PER LOT TO PROVIDE FOR LOT DRAINAGE. WEEP HOLES SHALL ALSO BE PROVIDED AS REQUIRED FOR ADDITIONAL DRAIN PIPES SHOWN ON THE DRAWINGS. CONTRACTOR SHALL INSTALL DRAIN PIPES FROM EACH WEEP HOLE TO THE BOCK OF SIDEWALK LOCATION PRIOR TO ACCEPTANCE OF THE CURBING BY THE CITY. WEEP HOLES INSTALLED IN EXISTING CURBS SHALL BE CORE DRILLED.

56. CURBS SHALL BE STAMPED WITH ON 'S' OR A 'W' AT THE POINT WHERE EACH SANITARY SEWER LATERAL OR WATER SERVICE LATERAL CROSSES THE CURB, RESPECTIVELY. LETTERS SHALL BE A MINIMUM OF 2-INCHES HIGH.

57. CONTRACTOR SHALL CONSTRUCT HANDICAP ACCESS ROMPS AT ALL INTERSECTIONS IN ACCORDANCE WITH CURRENT ADA REQUIREMENTS.

58. SIDEWALKS AND DRIVEWAYS SHALL BE CONSTRUCTED TO THE FULL THICKNESS SHOWN.

59. WHERE TRENCH EXCAVATION REQUIRES REMOVAL OF PCC CURBS AND/OR SIDEWALKS, THE CURBS AND/OR SIDEWALKS SHALL BE SAW CUT AND REMOVED AT A TOLLED JOINT UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE CITY. THE SOW CUT LINES SHOWN THE DRAWINGS ARE SCHEMATIC AND NOT INTENDED TO SHOW THE EXACT ALIGNMENT OF SUCH CUTS.

PIPED UTILITIES

60. CONTRACTOR SHALL COORDINATE AND PAY ALL COSTS ASSOCIATED WITH CONNECTING TO EXISTING WATER, SANITARY SEWER AND STORM SEWER FACILITIES.

61. UNLESS OTHERWISE NOTED. MATERIALS AND WORKMANSHIP FOR WATER, SANITARY SEWER AND STORM DRAIN SHALL CONFORM TO OREGON APWA STANDARD SPECIFICATIONS, AND CITY OF WOODBURN REQUIREMENTS.

62. BEDDING AND BACKFILL. ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF 3/4" MINUS CRUSHED ROCK BEDDING AND BACKFILLED WITH COMPACTED 3/4" MINUS CRUSHED ROCK IN THE PIPE ZONE (CRUSHED ROCK SHALL EXTEND A MINIMUM OF 12-INCHES OVER THE TOP OF THE PIPE IN ALL CASES). CRUSHED ROCK TRENCH BACKFILL SHALL BE USED UNDER ALL IMPROVED AREAS, INCLUDING SIDEWALKS.

63. CONTRACTOR SHALL ARRANGE FOR AND PAY ALL COSTS TO ABANDON EXISTING SEWER AND WATER SERVICES NOT SCHEDULED TO REMAIN IN SERVICE.

64. ALL PIPED UTILITIES ABANDONED IN PLACE SHALL HAVE ALL OPENINGS CLOSED WITH CONCRETE PLUGS WITH A MINIMUM LENGTH EQUAL TO 2 TIMES THE DIAMETER OF THE ABANDONED PIPE.

65. THE END OF ALL UTILITY STUBS SHALL BE MARKED WITH A 2 X 4 PAINTED WHITE AND WIRED TO PIPE STUB. THE TYPE OF UTILITY SHALL BE CLEARLY LABELED ON THE 2 X 4, I.E. "SANITARY SEWER", "STORM DRAIN".

66. CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT AND FACILITIES REQUIRED FOR TESTING ALL UTILITY PIPING IN ACCORDANCE WITH CITY CONSTRUCTION SPECIFICATIONS.

67. TRACER WIRE. ALL NONMETALLIC WATER, SANITARY AND STORM SEWER PIPING SHALL HAVE AN ELECTRICALLY CONDUCTIVE INSULATED 12 GAUGE COPPER TRACER WIRE THE FULL LENGTH OF THE INSTALLED PIPE, USING BLUE WIRE FOR WATER AND GREEN FOR STORM AND SANITARY PIPING. TRACER WIRE SHALL BE EXTENDED UP INTO ALL VALVE BOXES, AND MANHOLES AND CATCH BASINS. TRACER WIRE PENETRATIONS INTO MANHOLES SHALL BE WITHIN 18 INCHES OF THE RIM ELEVATION AND ADJACENT MANHOLE STEPS. THE TRACER WIRE SHALL BE TIED TO THE TOP MANHOLE STEP OR OTHERWISE SUPPORTED TO ALLOW

68. DETECTIBLE OR NON-DETECTABLE ACID AND ALKALI RESISTANT SAFETY WARNING TAPE SHALL BE PROVIDED ALONG THE FULL LENGTH OF ALL SANITARY SEWER AND STORM DRAIN LATERALS AND ALONG ALL WATER, SANITARY SEWER AND STORM DRAIN MAINLINE SEGMENTS NOT LOCATED UNDER SIDEWALKS OR PAVED PORTIONS OF PUBLIC STREETS. UNDERGROUND WARNING TAPE SHALL BE CONTINUOUS THE ENTIRE LENGTH OF SERVICE LATERALS INSTALLED FROM THE MAINLINE TO THE BACK OF THE PUE 6 TO 12" ABOVE THE PIPE.

WATER LINES

70. CITY FORCES TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.

71. ALL WATER MAINS SHALL BE CLASS 52 DUCTILE IRON PIPE. ALL FITTINGS 4 INCHES THROUGH 24 INCHES IN DIAMETER SHALL BE DUCTILE IRON FITTINGS IN CONFORMANCE WITH AWWA C--153 OR AWWA C-110. THE MINIMUM WORKING PRESSURE FOR ALL MJ COST IRON OR DUCTILE IRON FITTINGS 4 INCHES THROUGH SOFT COPPER TUBING CONFORMING TO ASTM B-88

74. UNLESS OTHERWISE NOTED, WATER SERVICE PIPE ON THE PRIVATE SIDE OF THE METER SHALL BE SCHEDULE 40 PVC. COMPLY WITH MARION COUNTY PLUMBING PERMIT.

75. DOMESTIC AND FIRE BACKFLOW PREVENTION DEVICES AND VAULTS SHALL CONFORM TO REQUIREMENTS OF PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION.

76. CONTRACTOR SHALL INSTALL TEMPORARY PLUG AND BLOWOFF AS REQUIRED AT THE END OF WATERLINE OR OTHER LOCATIONS FOR FLUSHING, TESTING, AND CHLORINATION AS NEEDED.

77. THE WORK SHALL BE PERFORMED IN A MANNER DESIGNATED TO MAINTAIN WATER SERVICE TO BUILDINGS SUPPLIED FROM THE EXISTING WATERLINES. IN NO CASE SHALL SERVICE TO ANY MAIN LINE OR BUILDING BE INTERRUPTED FOR MORE THAN FOUR (4) HOURS IN ANYONE DAY. CONTRACTOR SHALL NOTIFY THE CITY AND ALL AFFECTED RESIDENTS AND BUSINESSES A MINIMUM OF 24 BUSINESS HOURS (ONE (1) BUSINESS DAY) PRIOR TO ANY INTERRUPTION OF SERVICE.

78. SANITARY SEWER LATERAL CROSSINGS. WHERE SANITARY SEWER LINES CROSS ABOVE OR WITH 18-INCHES VERTICAL SEPARATION BELOW A WATERLINE, SEWER MAINS AND/OR LATERAL SHALL BE REPLACED WITH C-900 PVC (DRI8) PIPE AT THE CROSSING. CENTER ONE FULL LENGTH (20') OF PVC PIPE CONFORMING TO AWWA C-900 (DR 18) AT THE CROSSING. CONNECT TO THE EXISTING SEWER LINES WITH APPROVED RUBBER COUPLINGS.

79. ALL WATER LINE PIPE SHALL HAVE A MINIMUM OF 36 INCHES OF COVER TO FINISH GRADE. BACKFILL MUST BE COMPACTED TO A DENSITY OF 92% IN IMPROVED OR STRUCTURAL FILL AREAS. MINIMUM COMPACTION IN UNPAVED NON-STRUCTURAL FILL AREAS IS 90%. COMPACTION IS TO BE PER AASHTO T -180

80. ALL TEES, BENDS AND ENDS OF WATER LINES SHALL BE RESTRAINED WITH MECHANICAL JOINTS (MEGALUG SERIES 1100), OR APPROVED EQUAL. USE FIELD LOCK GASKETS IN ALL PUSH-ON PIPE JOINTS.

81. ALL WATER LINES SHALL BE THOROUGHLY FLUSHED AND CHLORINATED. POTABLE WATER TEST SHALL BE APPROVED BY THE OREGON STATE HEALTH DEPORTMENT AND CITY OF WOODBURN PRIOR TO ANY METERED SERVICE HOOKUP CONTRACTOR SHALL INSTALL TEMPORARY PLUG AND BLOWOFF AS REQUIRED AT THE END OF WATERLINE FOR FLUSHING, TESTING AND CHLORINATION. WATER LINES SHALL BE PRESSURE TESTED PER AWWA C-600 AS LISTED BY AWWA. WATER LINE DISINFECTION SHALL CONFORM TO AWWA C-601 AND CITY OF WOODBURN REQUIREMENTS.

82. PROVIDE TRACE WIRE FOR ALL MAINS.

83. ALL WATER MAINS SHALL BE RESTRAINED MECHANICAL JOINTS, FIELD LOCK GASKETS AND THRUST BLOCKS AS SPECIFIED. ALL FITTINGS SHALL BE RESTRAINED.

84. MINIMUM 18LF RESTRAINED PIPE. ALL MECHANICAL JOINTS SHALL BE ESTRAINED WITH MEGALUG SERIES 1100, OR APPROVED EQUAL. USE FIELD LOCK GASKETS IN ALL PUSH ON PIPE JOINTS A MINIMUM OF 18LF FROM FITTING.

85. 8" D.I. 45" MJ BENDS SHALL BE INSTALLED WITH RETAINER GLANDS AND THRUST BLOCKS, AS SPECIFIED, ALL FITTINGS SHALL BE RESTRAINED.

86. 8" D.I. 45" FLG BENDS SHALL BE INSTALLED WITH RETAINER GLANDS AND THRUST BLOCKS, AS SPECIFIED. ALL FITTINGS SHALL BE RESTRAINED.

87. 8" D.I. MJ TEE FITTINGS SHALL BE RESTRAINED WHEN INSTALLED.

88. 4" STANDARD BLOWOFF ASSEMBLY (TEMPORARY FOR TESTING). SEE DETAIL 5000-5. BLOWOFF ASSEMBLY SHALL BE REMOVED PRIOR TO FINAL CONNECTION TO EXISTING VALVE.

89. CONNECT NEW WATER MAIN TO EXISTING VALVE AFTER ALL TESTING IN NEW WATER MAIN IS COMPLETED AND APPROVED BY THE CITY. PRIOR TO FINAL CONNECTION CONTRACTOR SHALL VERIFY THAT EXISTING VALVE IS NOT LEAKING

STORM DRAINS

90. STORM DRAIN PIPE MATERIALS TO CONFORM TO THE CONSTRUCTION DRAWINGS AND CITY REQUIREMENTS. CONTRACTOR SHALL USE UNIFORM PIPE MATERIAL ON EACH PIPE RUN BETWEEN STRUCTURES UNLESS OTHERWISE DIRECTED OR APPROVED. JOINTED HDPE PIPE SHALL NOT BE USED FOR SLOPES EXCEEDING TEN PERCENT (10%).

91. CATCH BASINS AND JUNCTION BOXES SHALL BE SET SQUARE WITH BUILDINGS OR WITH THE EDGE OF THE PARKING LOT OR STREET WHEREIN THEY LIE. STORM DRAIN INLET STRUCTURES AND PAVING SHALL BE ADJUSTED SO WATER FLOWS INTO THE STRUCTURE WITHOUT PONDING WATER.

92. UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER, ALL STORM DRAIN CONNECTIONS SHALL BE BY MANUFACTURED TEES.

93. UNLESS OTHERWISE SHOWN OR DIRECTED, INSTALL STORM DRAIN PIPE IN ACCORDANCE WITH MANUFACTURES INSTALLATION GUIDELINES.

94. MANDREL TESTING. CONTRACTOR SHALL CONDUCT DEFLECTION TEST OF FLEXIBLE STORM DRAIN PIPES (I.E. HDPE, PVC, ETC.) BY PULLING AN APPROVED MANDREL THROUGH THE COMPLETED PIPE LINE FOLLOWING TRENCH COMPACTION. THE DIAMETER OF THE MANDREL SHALL BE 95% OF THE INITIAL PIPE DIAMETER. TEST SHALL BE CONDUCTED NOT MORE THAN 30 DAYS AFTER THE TRENCH BACKFILLING AND COMPACTION HAS BEEN COMPLETED.

95. CLEANING. PRIOR TO MANDREL TESTING OR FINAL ACCEPTANCE, FLUSH AND CLEAN ALL DRAINS, AND REMOVE ALL FOREIGN MATERIAL FROM THE MAINLINES, MANHOLES AND CATCH BASINS.

96. STORM DRAIN PIPE SHALL BE AS SHOWN ON THE PLANS.

97. CONCRETE AND PVC PIPE SHALL BE LAID WITH RUBBER RING JOINTS. ALL STORM PIPE JOINTS SHALL BE WATERTIGHT REGARDLESS OF SPECIFIED OR SELECTED MATERIAL.

98. MINIMUM COVER ON STORM LINES IS 36" FROM THE TOP OF THE PIPE TO FINISH GRADE. BACKFILL MUST BE COMPACTED TO A DENSITY OF 92% IN IMPROVED OR STRUCTURAL FILL AREAS. MINIMUM COMPACTION IN UNPAVED, NON-STRUCTURAL FILL AREAS IS 90%. COMPACTION IS TO BE PER AASHTO T-180. LINES WITH LESS THAN 36" COVER SHALL BE REINFORCED CONCRETE. WHEN INSTALLED IN TRAFFIC AREAS PROVIDE A CONCRETE CAP.

99. THE LOCATION AND/OR STATIONING AND THE DEPTH FROM THE INVERT FROM THE TOP OF CURB TO THE INVERT ELEVATION OF ALL STORM DRAIN LATERALS SHALL BE RECORDED BY THE CONTRACTOR AND PROVIDED TO THE ENGINEER.

SANITARY SEWERS

100. INSTALL 2X4 MARKER BEHIND SERVICE PLUG AS INDICATED IN DETAIL 603. MARK DEPTH OF INVERT ON POST.

101. UNLESS OTHERWISE SHOWN, SANITARY SEWER PIPE SHALL BE PVC IN CONFORMANCE WITH ASTM D--3034, SDR 35. ALL OTHER APPURTENANCES AND INSTALLATION TO CONFORM TO THE CITY SPECIFICATIONS AND STANDARD

DRAWINGS.

102. ALL PRECAST MANHOLES SHALL BE PROVIDE WITH INTEGRAL RUBBER BOOTS. WHERE MANHOLES WITH INTERNAL RUBBER BOOTS ARE NOT USED, A FLEXIBLE JOINT SHALL BE PROVIDED ON ALL MAINLINES WITHIN 1.5 FEET OF THE OUTSIDE FACE OF THE MANHOLE. LOCKDOWN LIDS REQUIRED ON ALL MANHOLES OUTSIDE OF PUBLIC RIGHT-OF-WAY.

103. OPENINGS FOR CONNECTIONS TO EXISTING MANHOLES SHALL BE MODE BY SAWCUTTING OR CORE-DRILLING EXISTING MANHOLE STRUCTURES. USE OF PNEUMATIC JACKHAMMERS SHALL BE PROHIBITED. CONNECTIONS TO BE WATERTIGHT AND SHALL PROVIDE A SMOOTH FLOW INTO AND THROUGH THE MANHOLE. SMALL CHIPPING HAMMERS OR SIMILAR LIGHT TOOLS WHICH WILL NOT DAMAGE OR CRACK THE MANHOLE BASE MAY BE USED TO SHAPE CHANNELS OR ENLARGE EXISTING OPENINGS IF AUTHORIZED BY CITY ENGINEER.

104. LEAKAGE TESTING. SANITARY SEWER PIPE AND APPURTENANCES SHALL BE TESTED FOR LEAKAGE. LEAKAGE TESTS SHALL INCLUDE AN AIR TEST OF ALL SEWER MAINS AND LATERALS AND VACUUM TESTING OF THE MANHOLES IN ACCORDANCE WITH CITY OF WOODBURN PROCEDURES.

105. CLEANING. PRIOR TO MANDREL TESTING AND/OR TV INSPECTION, FLUSH AND CLEAN ALL SEWERS OF ALL FOREIGN MATERIAL FROM THE MAINLINES AND MANHOLES.

106. CONTRACTOR SHALL CONDUCT DEFLECTION TEST OF FLEXIBLE SANITARY SEWER PIPES BY PULLING AN APPROVED MANDREL THROUGH THE COMPLETED PIPE LINE FOLLOWING TRENCH COMPACTION. THE DIAMETER OE THE MANDREL SHALL BE 95% OF THE INITIAL PIPE DIAMETER. TEST SHALL BE CONDUCTED NOT MORE THAN 30 DAYS AFTER THE TRENCH BACKFILLING AND COMPACTION HAS BEEN COMPLETED.

107. UPON COMPLETION OE ALL SEWER CONSTRUCTION, TESTING AND REPAIR THE CONTRACTOR SHALL CONDUCT A COLOR TV ACCEPTANCE INSPECTION OF ALL MAINLINES IN ACCORDANCE WITH APWA 303.3.11. THE TV INSPECTION SHALL BE CONDUCTED BY ON APPROVED TECHNICAL SERVICE WHICH IS EQUIPPED TO MAKE AUDIOVISUAL RECORDINGS OF THE TV INSPECTIONS ON CD. UNLESS OTHERWISE REQUIRED BY AGENCY WITH JURISDICTION, A STANDARD 1" DIAMETER BALL SHALL BE SUSPENDED IN FRONT OF THE CAMERA DURING THE INSPECTION. SUFFICIENT WATER TO REVEAL LOW AREAS OR REVERSE GRADES SHALL BE DISCHARGED INTO THE PIPE IMMEDIATELY PRIOR TO INITIATION OF THE TV INSPECTION. THE CD AND WRITTEN REPORT SHALL BE DELIVERED TO THE CITY. TV REPORT SHALL BE DONE BY AN APPROVED CITY OF WOODBURN PROGRAM. CONTACT CITY OF WOODBURN FOR APPROVED PROGRAM PRIOR TO TV INSPECTION.

108. THE LOCATION AND/OR STATIONING AND THE VERTICAL DISTANCE FROM THE TOP OF CURB 8T0 THE INVERT ELEVATION OF ALL SEWER SERVICE LATERALS SHALL BE RECORDED BY THE CONTRACTOR AND PROVIDED TO THE ENGINEER.

109. MINIMUM COVER ON PUBLIC SANITARY SEWER LILEA IS 36" FROM THE TOP OF THE PIPE TO FINISHED GRADE. BACKFILL MUST BE COMPACTED TO A DENSITY NO LESS THAN 92% IN IMPROVED OR STRUCTURAL FILL AREAS. MINIMUM COMPACTION IN UNPAVED, NON STRUCTURAL FILL AREAS IS 90%. COMPACTIONS TO BE PER AASHTO T-180. MAXIMUM COMPACTION TEST SPACING OVER PUBLIC SANITARY LINES IS 150'.

110. ALL SANITARY SERVICE LATERAL CONNECTIONS AT THE MAIN ARE TO BE TEES UNLESS OTHERWISE NOTED.

111. MAINTAIN MINIMUM 10 FOOT HORIZONTAL CLEAR DISTANCE BETWEEN WATER AND SANITARY SEWER LINES EXCEPT AT CROSSINGS. VERTICAL SEPARATION SHALL BE A MINIMUM OF 18 INCHES CLEAR DISTANCE WHERE WATER LINES CROSS OVER SANITARY SEWER LINES. PVC C-900 PIPE SHALL BE USED (FOR SEWER) 10 FEET ON EITHER SIDE OF THE CROSSING WHEN THE CLEAR DISTANCE BETWEEN THE WATER LINE AND SANITARY SEWER LINE IS LESS THAN 18 INCHES.

112. ALL SEWER SERVICE LATERALS SHALL EXTEND A MINIMUM OF 5 FEET BEYOND P.U.E. INTO EACH LOT. THE MINIMUM GRADE FOR LATERALS SHALL BE 2.0% EXCEPT WHERE NOTED. SANITARY SEWER SERVICE LATERALS SHALL BE 4" DIAMETER UNLESS OTHERWISE NOTED ON PLANS. STREET LIGHTS

113. STREET LIGHTS SHALL BE INSTALLED AFTER ALL OTHER EARTHWORK AND PUBLIC UTILITY INSTALLATIONS ARE COMPLETED AND AFTER ROUGH GRADING OF THE PROPERTY IS ACCOMPLISHED TO PREVENT DAMAGE TO THE POLES.

114. STREET LIGHTS POLES SHALL BE SET TO A DEPTH AS SPECIFIED BY THE MANUFACTURER AND PGE, BUT NOT LESS THAN 5 FEET.

PLUMB.

PRIVATE UTILITIES

116. UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR APPROVED BY JURISDICTION HAVING AUTHORITY, ALL NEW PRIVATE UTILITIES (POWER, CABLE TV, TELEPHONE & GAS) SHALL BE INSTALLED UNDERGROUND. INSTALLATION OF PRIVATE UTILITIES IN A COMMON TRENCH WITH WATER, SANITARY SEWER OR STORM SEWER IS PROHIBITED.

117. CONTRACTOR SHALL COORDINATE WITH POWER, TELEPHONE, TV COMPANY FOR LOCATION OF VAULTS, PEDESTALS, ETC. ALL ABOVE-GRADE FACILITIES SHALL BE PLACED IN A LOCATION THE PROPOSED SIDEWALK LOCATION.

118. POWER, TELEPHONE AND TV TRENCHING AND CONDUITS SHALL BE INSTALLED PER UTILITY COMPANY REQUIREMENTS WITH PULL WIRE. CONTRACTOR SHALL VERIFY WITH UTILITY COMPANY FOR SIZE AND TYPE OF CONDUIT PRIOR TO CONSTRUCTION. ALL CHANGES IN DIRECTION OF UTILITY CONDUIT RUNS SHALL HAVE LONG RADIUS STEEL BENDS.

119. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH PRIVATE UTILITIES FOR RELOCATION OF POWER POLES, VAULTS, ETC. ROOF DRAINS

120. ALL RUNOFF FROM ROOF SURFACES SHALL BE CONVEYED UNDERGROUND THROUGH THE CURB FACE TO THE STREET AT THE INDIVIDUAL LOT FRONTAGE, OR TO THE PUBLIC STORM SYSTEM

115. STREET LIGHT POLES SHALL BE INSTALLED WITHIN ONE DEGREE (1') OF



1ST SUBMITTAL: 2ND SUBMITTAL: 3RD SUBMITTAL:

2/1/2022 5/11/2022

REVISIONS

NO. DATE

DESCRIPTION

DOVE

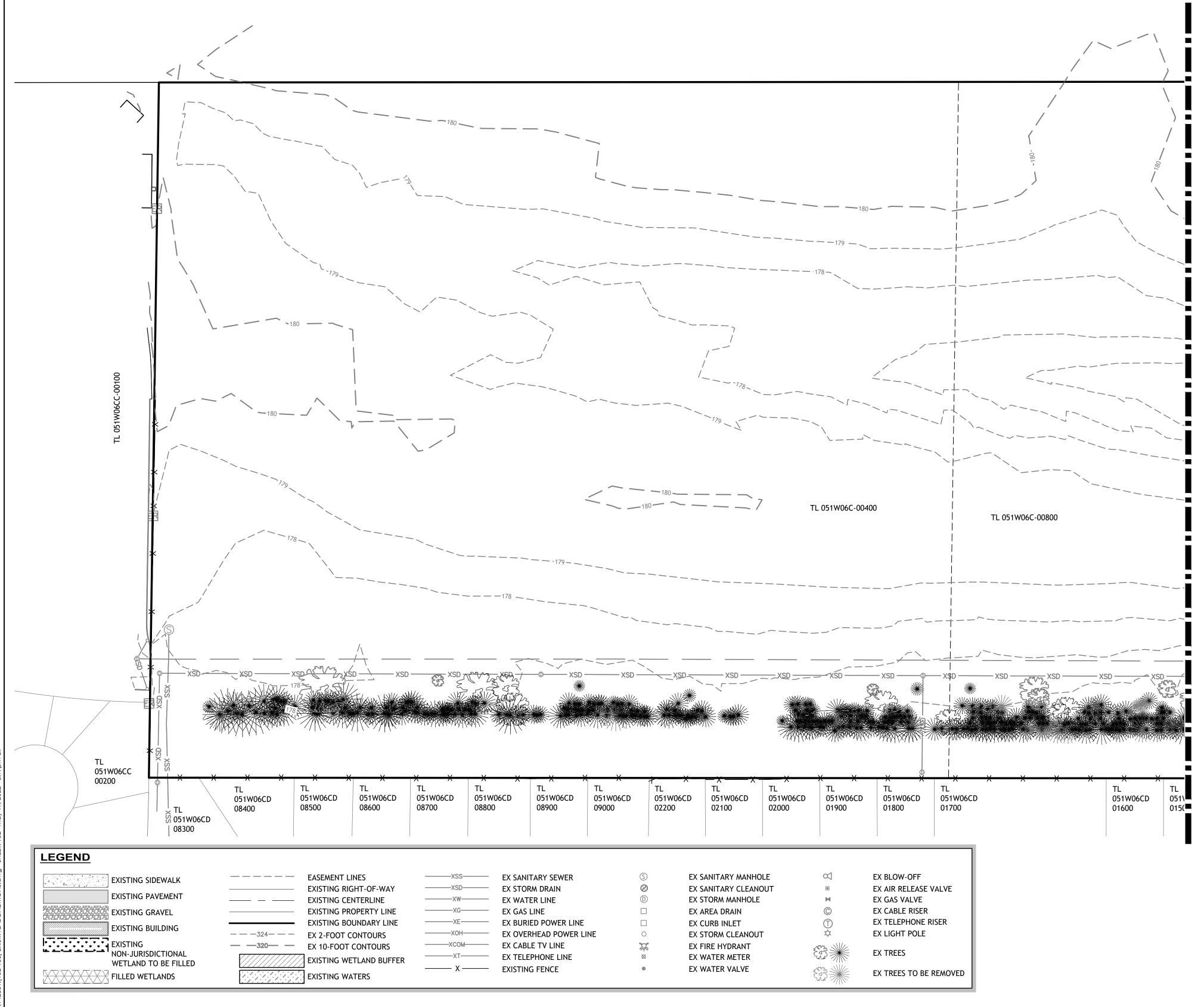


GENERAL CONSTRUCTION NOTES



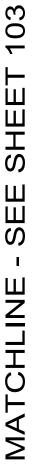
12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

PROJECT NO.: TYPE: **REVIEWED BY:**



NOTES: 1. ALL EXISTING FILBERT TREES TO BE REMOVED.

2. FOR TREE PRESERVATION PLAN SEE SHEET 13.1-13.7.





DOVE LANDING PUD



EXISTING CONDITIONS



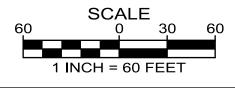
12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

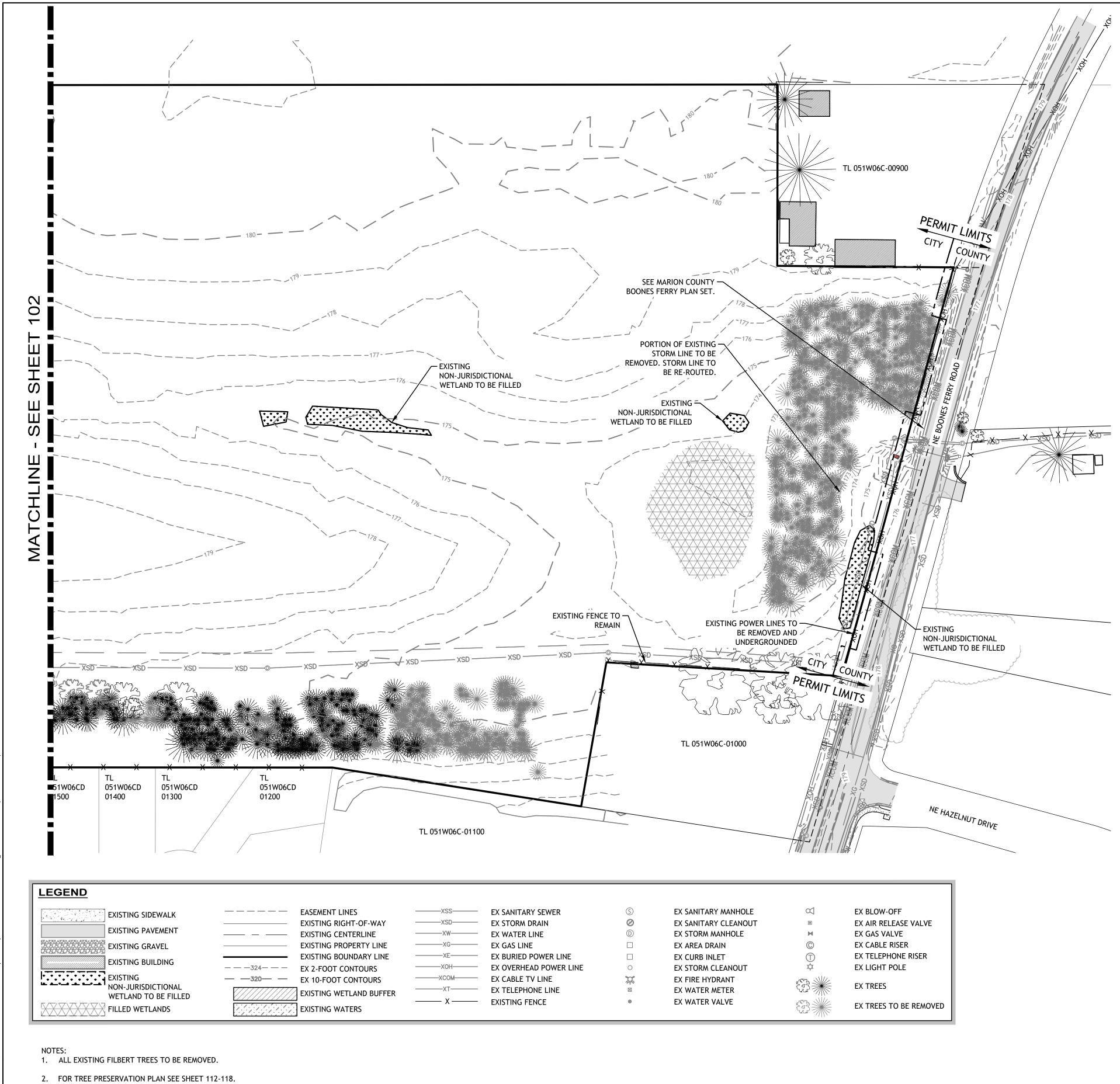
PROJECT NO.: TYPE: REVIEWED BY:

142-001 CONSTRUCTION PRE

102









DOVE LANDING PUD



EXISTING CONDITIONS



12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

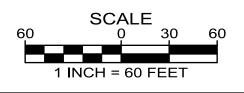
PROJECT NO.: TYPE: REVIEWED BY:

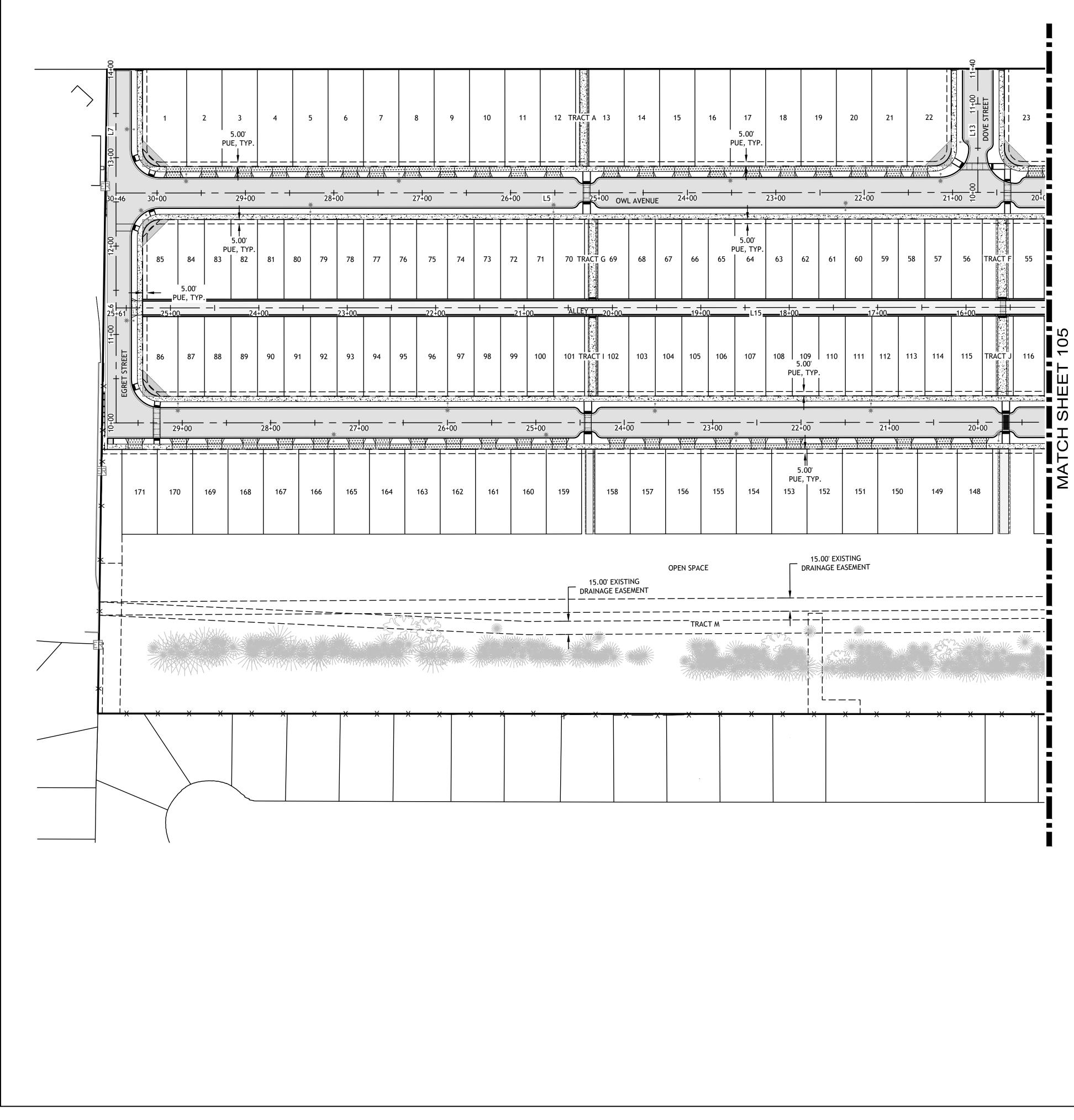
142-001 CONSTRUCTION

PRE

103



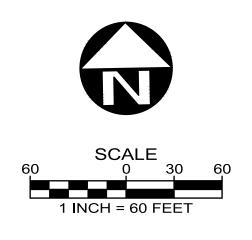




LEGEND

LLGLIND	
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	PROPOSED CURB AND GUTTER
	PROPOSED CENTERLINE
	EXISTING CENTERLINE
	PROPOSED PUBLIC UTILITY EASEMENT
	PROPOSED BUILDING SETBACK
	PROPOSED PROPERTY LINE
	EXISTING PROPERTY LINE
	EXISTING BOUNDARY LINE
	VISION CLEARANCE TRIANGLE
Ħ	PROPOSED HANDICAP RAMP
	PROPOSED A.C. PAVING
	PROPOSED SIDEWALK
$\begin{smallmatrix} \bullet & \bullet $	PROPOSED SIDEWALK BY OTHERS
×	PROPOSED STREET LIGHT

LINE TABLE				
LINE # LENGTH BEARING				
L5	975.00'	N88° 59' 51"W		
L6	260.00'	N1°00'09"E		
L7	139.76'	N1°00'09"E		
L13	140.00'	N1°00'09"E		
L15	1447.73'	N88° 59' 51"W		



	HO	MES	
2ND	SUBMITTAL: SUBMITTAL: SUBMITTAL:		
REVISIONS			
NO.	DATE	DESCRIPTION	

DOVE LANDING PUD



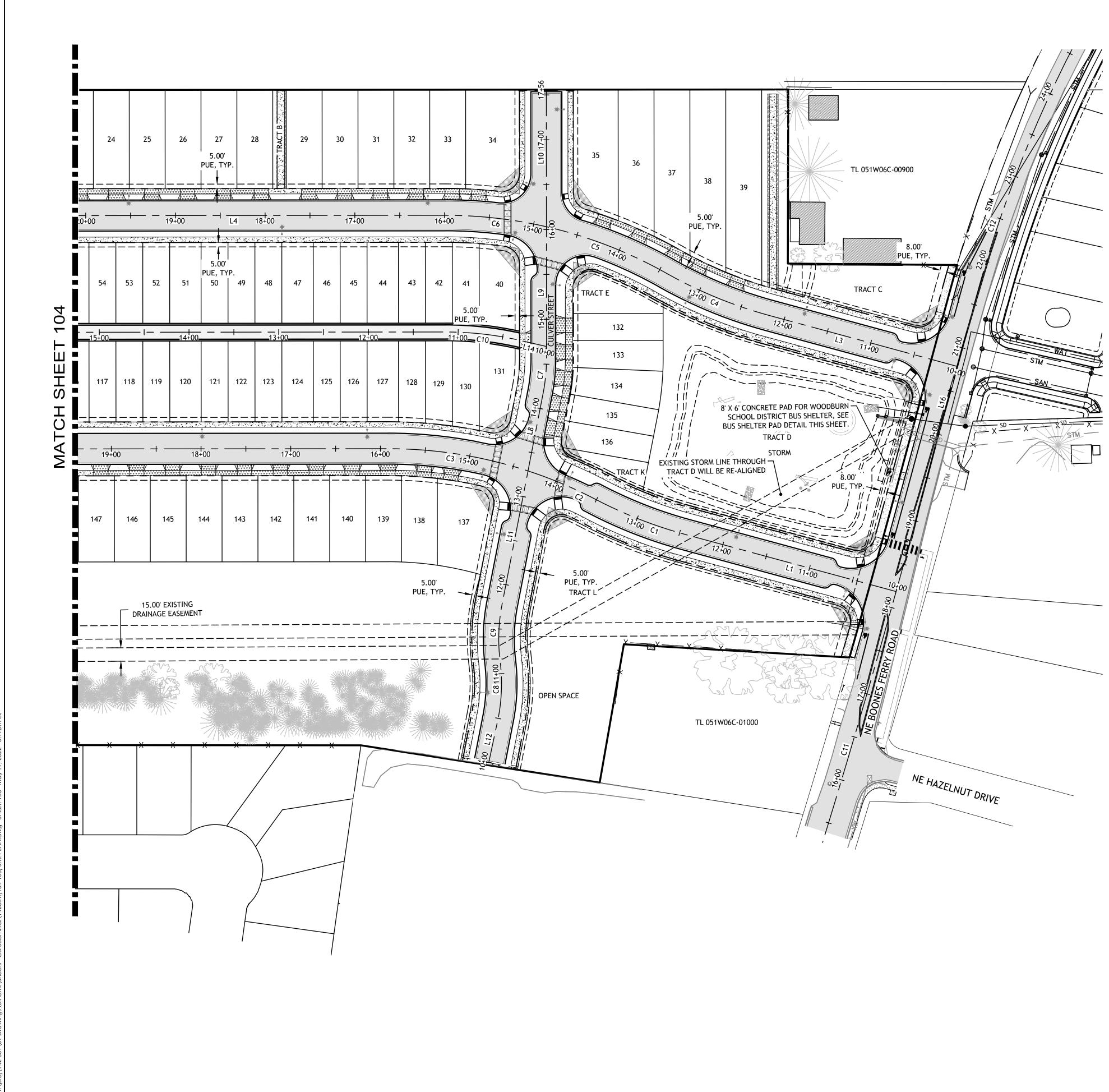
SITE PLAN (WEST)



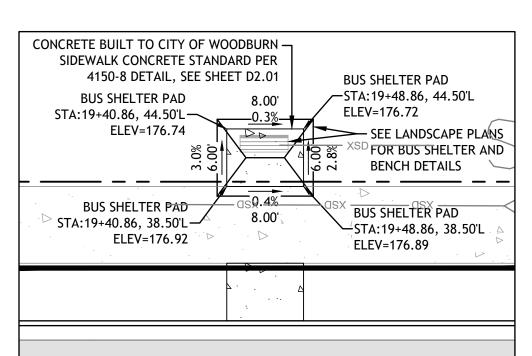
12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

PROJECT NO.:
TYPE:
REVIEWED BY:





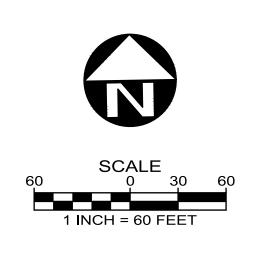
LINE TABLE			
LINE #	LENGTH	BEARING	
L1	243.05'	N73° 48' 21"W	
L3	216.90	N73° 48' 21"W	
L4	472.73'	N88° 59' 51"W	
L8	88.74'	N12° 03' 09"E	
L9	146.68'	N1°00'09"E	
L10	152.77	N1°00'09"E	
L11	151.62'	N12°03'09"E	
L12	50.50'	N13° 02' 30"E	
L14	29.76'	N75° 59' 31"W	
L15	1447.73'	N88° 59' 51"W	
L16	248.30	N16°11'39"E	



LEGEND	
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	PROPOSED CURB AND GUTTER
	PROPOSED CENTERLINE
	EXISTING CENTERLINE
	PROPOSED PUBLIC UTILITY EASEMENT
	PROPOSED BUILDING SETBACK
	PROPOSED PROPERTY LINE
	EXISTING PROPERTY LINE
	EXISTING BOUNDARY LINE
	VISION CLEARANCE TRIANGLE
<u> </u>	PROPOSED HANDICAP RAMP
	PROPOSED A.C. PAVING
	PROPOSED SIDEWALK
$\begin{smallmatrix} \bullet \bullet$	PROPOSED SIDEWALK BY OTHERS
······	COLORED STAMPED CONSTRUCTION CONCRETE
×	PROPOSED STREET LIGHT

	CURVE TABLE			
CURVE #	CURVE # RADIUS		CHORD DIRECTION	
C1	500.00'	107.81'	N67° 37' 43"W	
C2	500.00'	82.01'	N66° 09' 00"W	
C3	500.00'	158.38'	N79°55'23"W	
C4	500.00'	124.61'	N66° 39' 59"W	
C5 500.00' C6 500.00' C7 200.00' C8 200.00' C9 200.00' C10 370.00'	500.00'	143.95'	N67° 46' 29"W	
	113.23'	N82° 30' 35"W		
	38.57'	N6°31'39"E		
	200.00'	63.51'	N2 [°] 57' 18"E	
	200.00'	63.51'	N2 [°] 57' 18"E	
	370.00'	83.99'	N82° 29' 41"W	
C11	11459.91'	906.73'	N18° 27' 39"E	
C12	1432.50'	395.86'	N24°06'39"E	

BUS SHELTER PAD DETAIL SCALE: 1"=10'



	HO	MES.		
2ND	1ST SUBMITTAL: 10/12/2027 2ND SUBMITTAL: 2/1/2022 3RD SUBMITTAL: 5/11/2022			
REVISIONS				
NO.	DATE	DESCRIPTION		

DOVE LANDING PUD



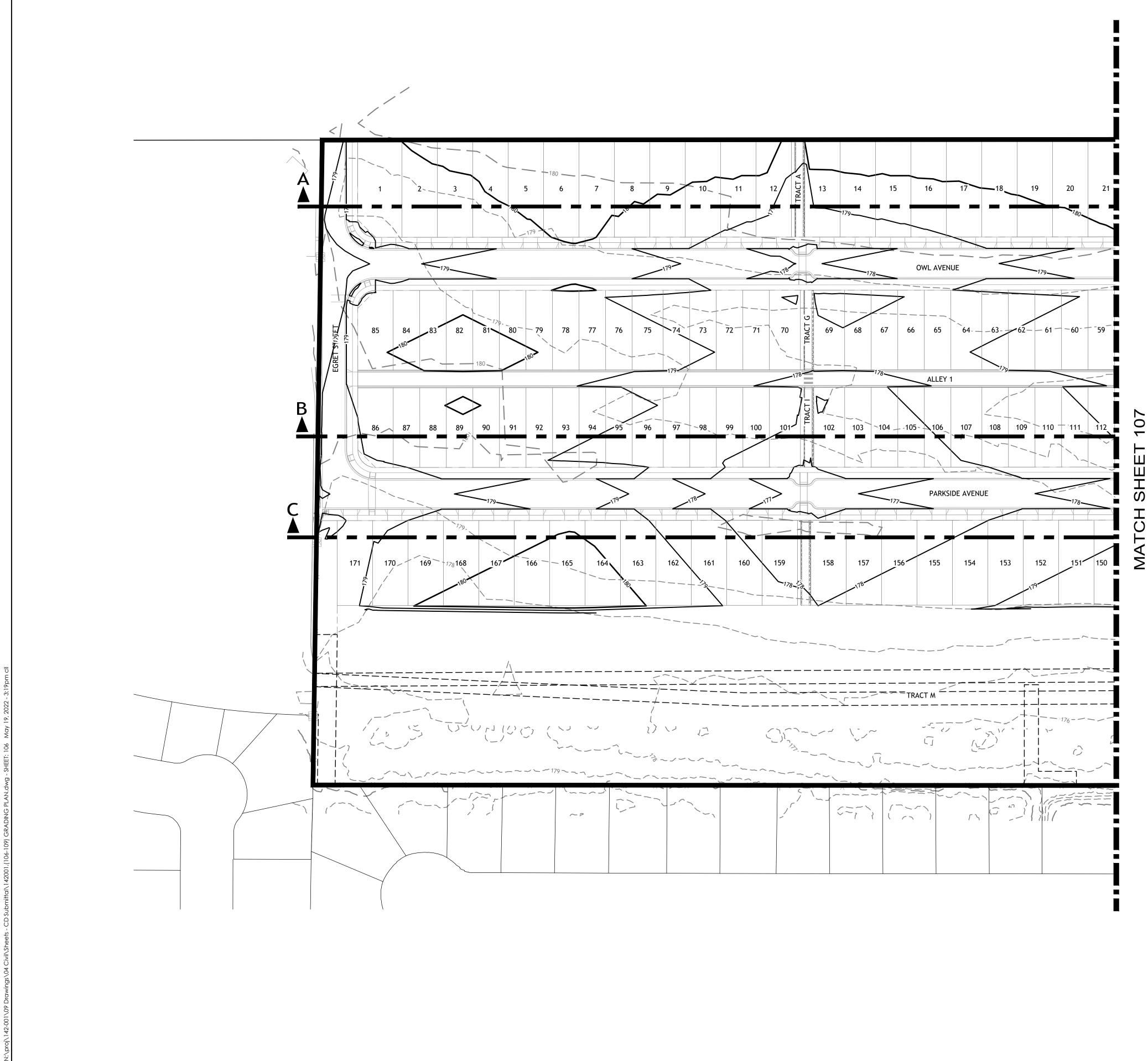
SITE PLAN (EAST)



12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

PROJECT NO.:	142-001
TYPE:	CONSTRUCTION
REVIEWED BY:	PRE





Ö Ш SHEI \mathbf{O}



DOVE LANDING PUD



GRADING PLAN (WEST)



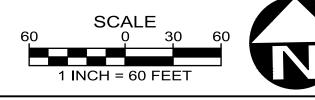
12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

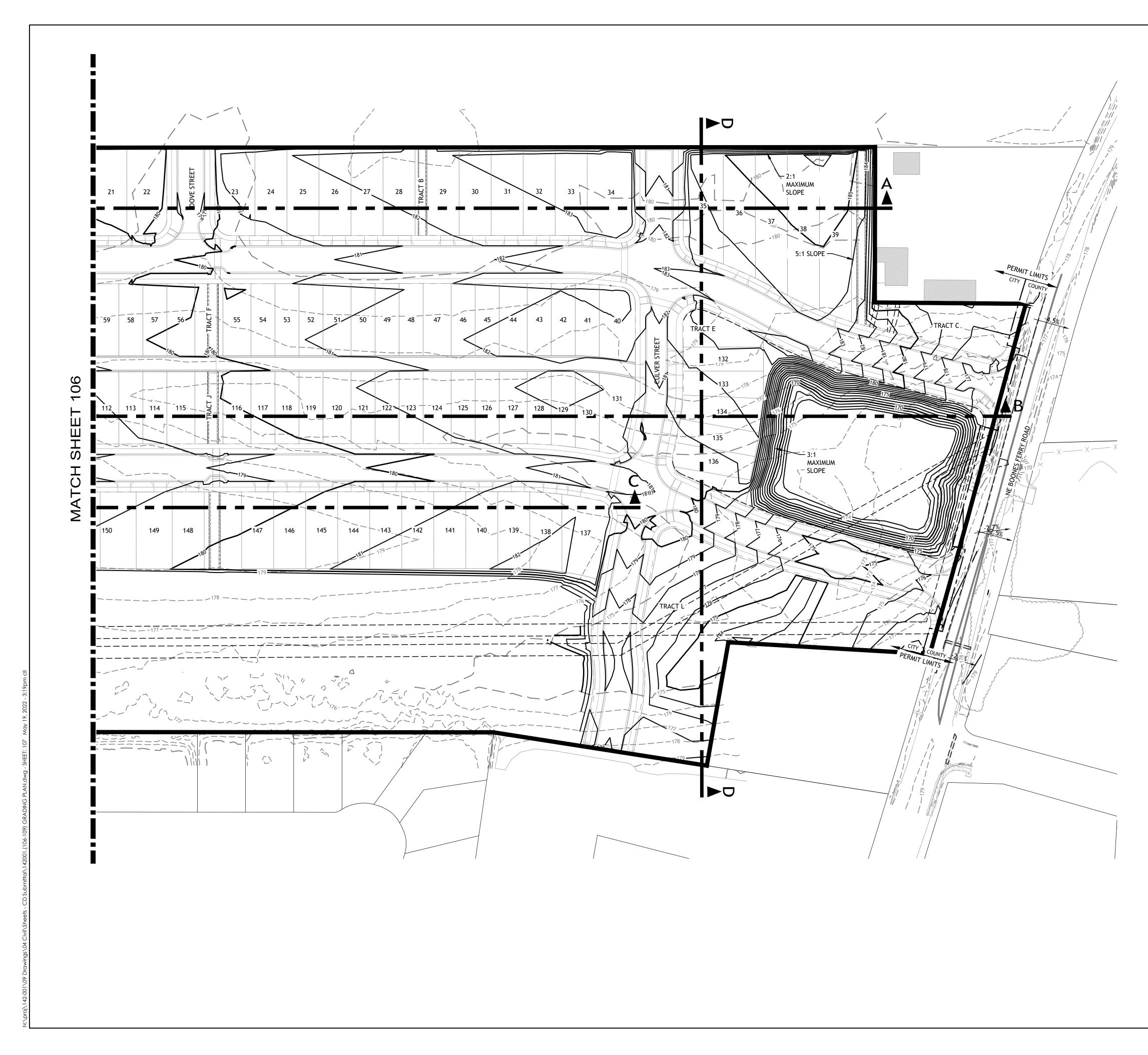
142-001
CONSTRUCTION
PRE



	FC		
	EG	NI	
_			

	EX 1-FT CONTOUR
<u> </u>	EX 10-FT CONTOUR
324	FG 1-FT CONTOUR
	FG 10-FT CONTOUR







DOVE LANDING PUD



GRADING PLAN (EAST)



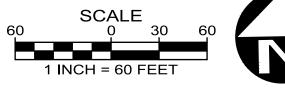
12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

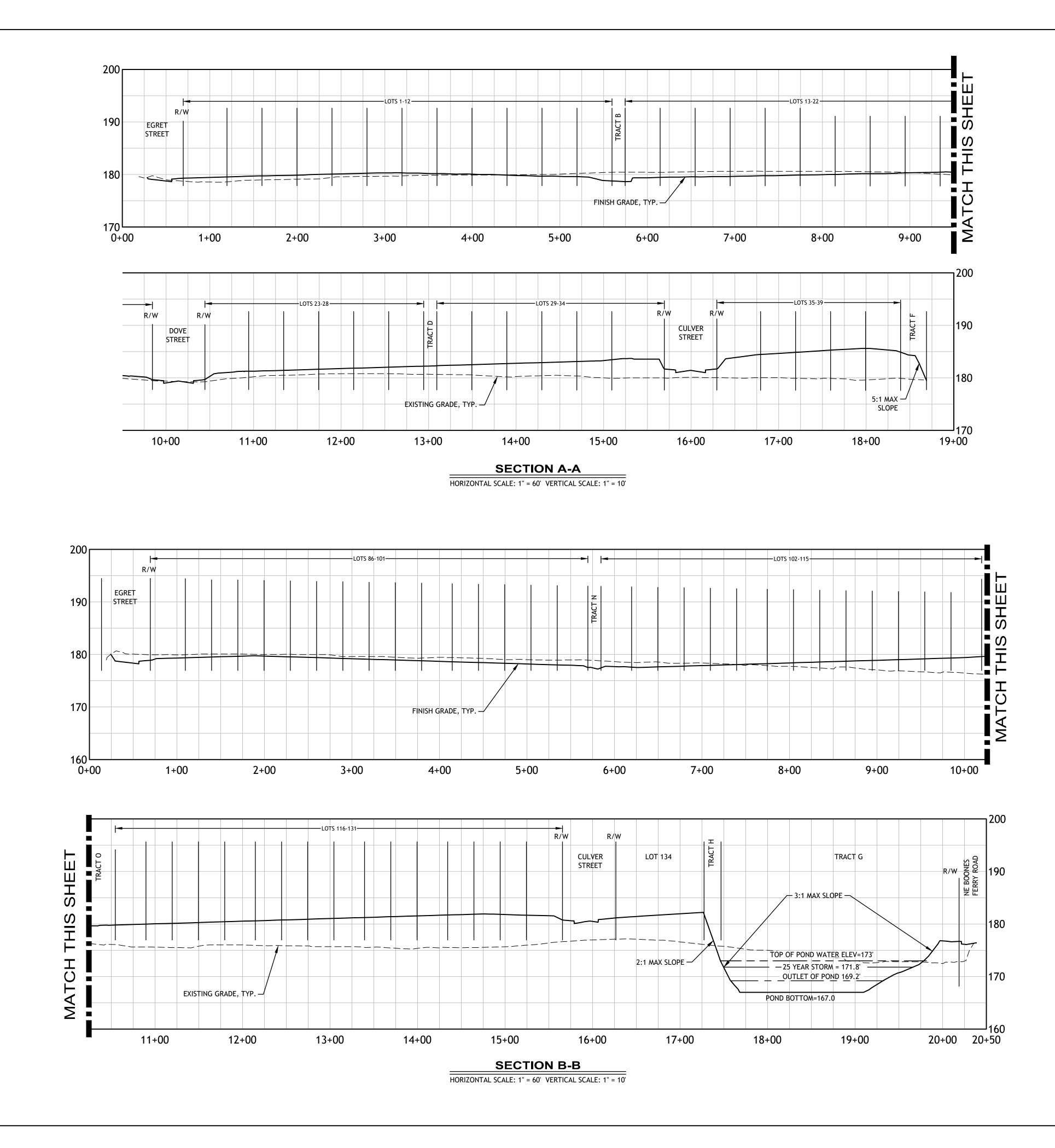
PROJECT NO.:	142-001
TYPE:	CONSTRUCTION
REVIEWED BY:	PRE



	\sim		
	G	Ν	
	-		

	EX 1-FT CONTOUR
<u> </u>	EX 10-FT CONTOUR
324	FG 1-FT CONTOUR
	FG 10-FT CONTOUR





-001\09 Drawings\04 Civil\Sheets - CD Submittal\142001.(106-109) GRADING PLAN.dwg - SHEET: 108 May 19, 2022 - 4:31pm cll



DOVE LANDING PUD



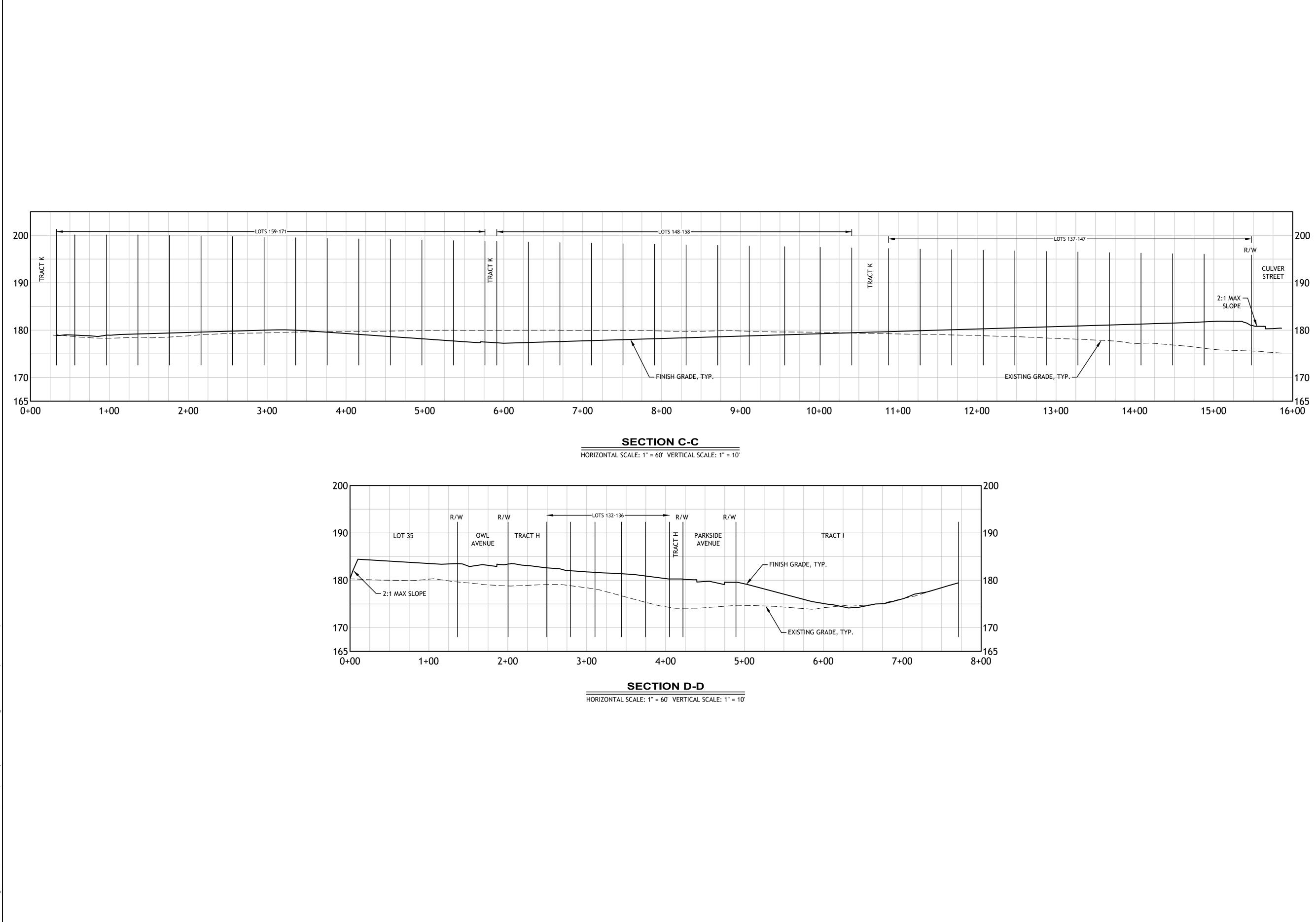
LOT GRADING SECTIONS



12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

PROJECT NO .:	
TYPE:	(
REVIEWED BY:	













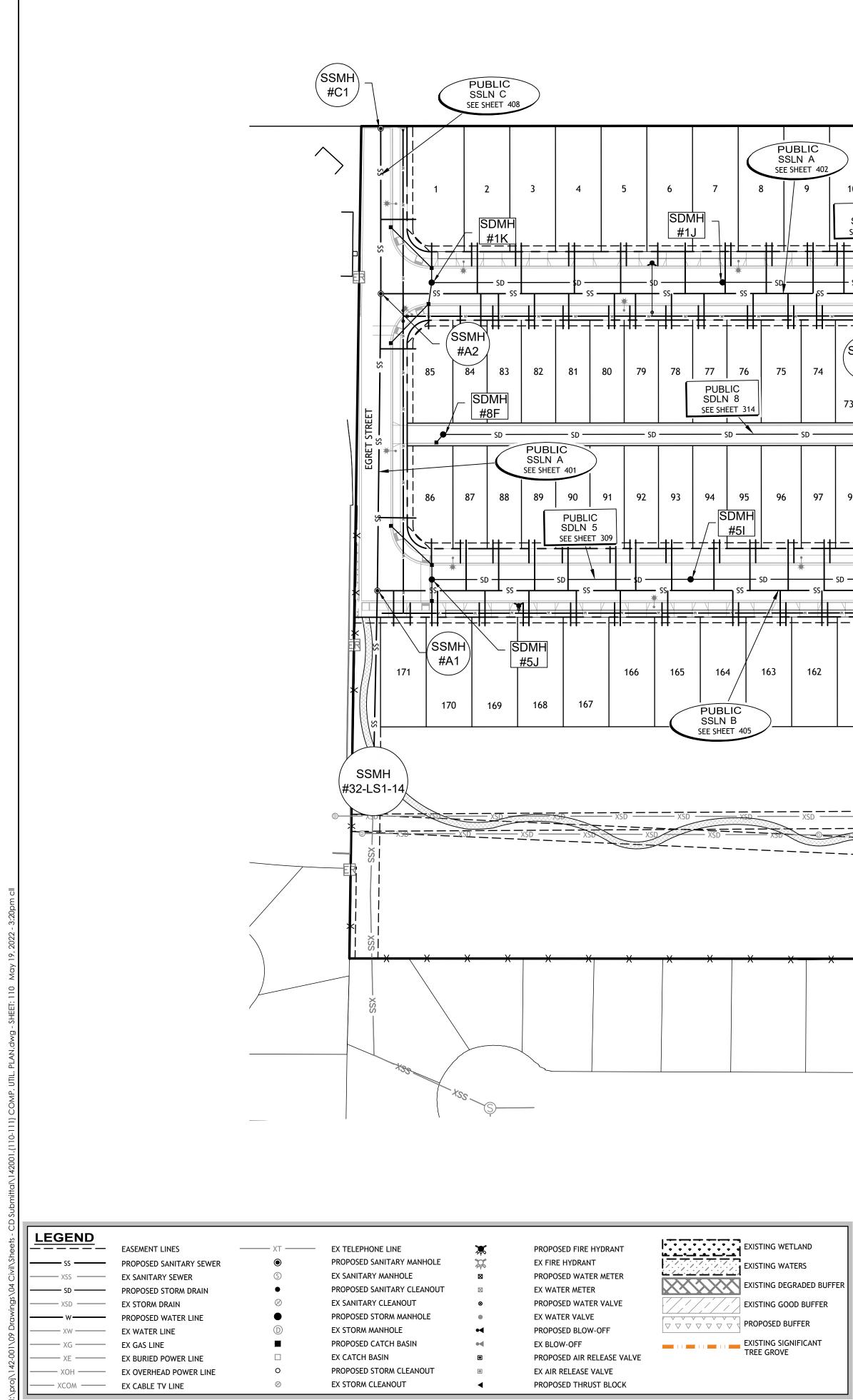
LOT GRADING SECTIONS



12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

PROJECT NO.:	
TYPE:	
REVIEWED BY:	





			PUBLIC SSLN D SEE SHEET 408	SSMH #D1	SDMH #4B
PUBLIC SSLN A SEE SHEET 402 8 9 10 11 12 PUBLIC SDLN 1 SEE SHEET 303	TRACT A	15 16 17 OWL AVENUE		21 22 SDMH #1H	LI SDMH H #4A 24 LI 23 SDMH #1G H +
SD SD SD SD SS SS SS SS T6 75 74 SSMH T6 75 74 T1 SDM T1 T1	H 69 68	SD SS S		SD SS SS SS SS SS SS SS SS SS SS SS SS SS	SSMH #A6 55 54 53 SDMH #8D
		SD	SD SD		SD
	101 102 103 101 SDN #51 		SD SD		SSMH #B2
163 162 161 15 163 162 161 15 160 15	59 158 157			150 149 148 PUBLIC SSLN B SEE SHEET 406	

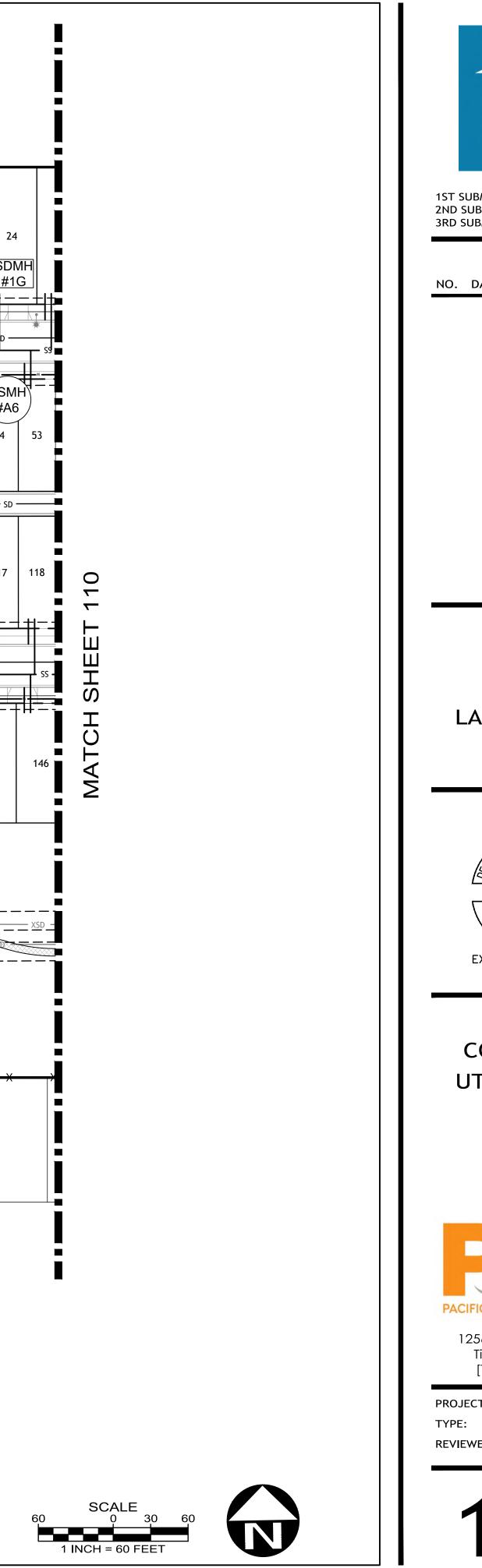
		XS	 — XSD - <u>XSD</u> —	XSD	XSD —	XSD —	XSD TRAC	XSD T M XSD	 - XSD	XSDXSB	XSD —	XSD KS D2	XSD		XSD	<u>XSD</u>
										1						
~~	<u> </u>	×	×	+	<	× — × -	X	* *	 <u> </u>		× >	< X		*	×>	×

______Xq<

EXISTING WATERS

EXISTING GOOD BUFFER

NOTES: 1. SANITARY SEWER TO BE 8" IN DIAMETER UNLESS OTHERWISE NOTED. 2. WATER LINES TO BE 8" IN DIAMETER UNLESS OTHERWISE NOTED.



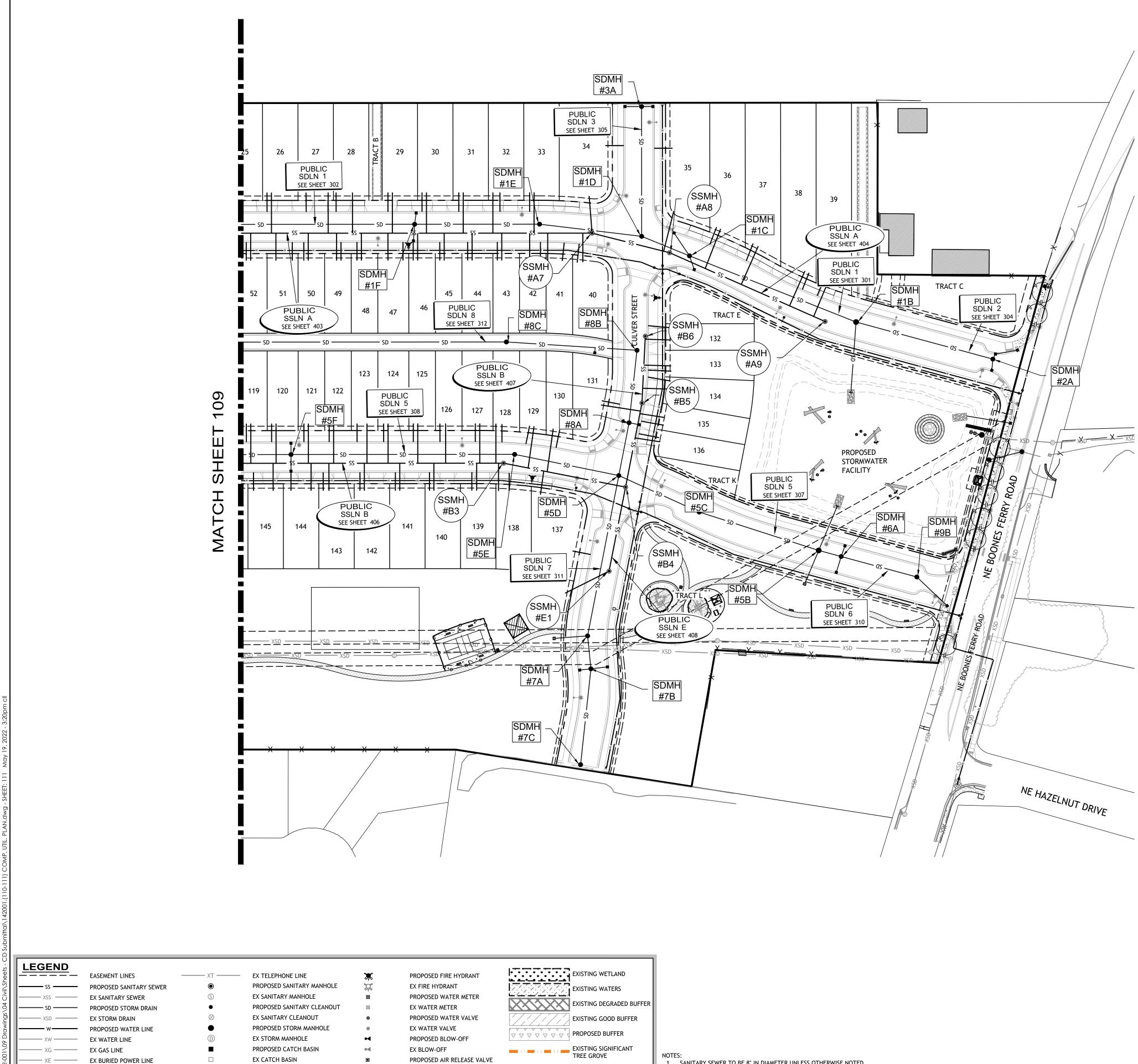
	Б	S.	
1ST SUBMIT 2ND SUBMI 3RD SUBMI	TTAL:	10/12/2 2/1/2 5/11/2	022
NO. DAT	e di	ESCRIPTIC	DN
		-	
1 4 5 1			
LAN	DING	PUD	
EXPI	RED PROF NGINE & 84963PE May Jan 6 OREGON M/G L. L RES: 12-	31-22	

COMPOSITE UTILITY PLAN



12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

PROJECT NO.: **REVIEWED BY:**



EX BURIED POWER LINE

PROPOSED STORM CLEANOUT

EX STORM CLEANOUT

۲

•

EX AIR RELEASE VALVE

PROPOSED THRUST BLOCK

1. SANITARY SEWER TO BE 8" IN DIAMETER UNLESS OTHERWISE NOTED. 2. WATER LINES TO BE 8" IN DIAMETER UNLESS OTHERWISE NOTED.



DOVE LANDING PUD



COMPOSITE UTILITY PLAN



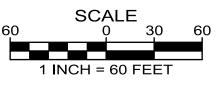
12564 SW Main Street Tigard, OR 97223 [T] 503-941-9484

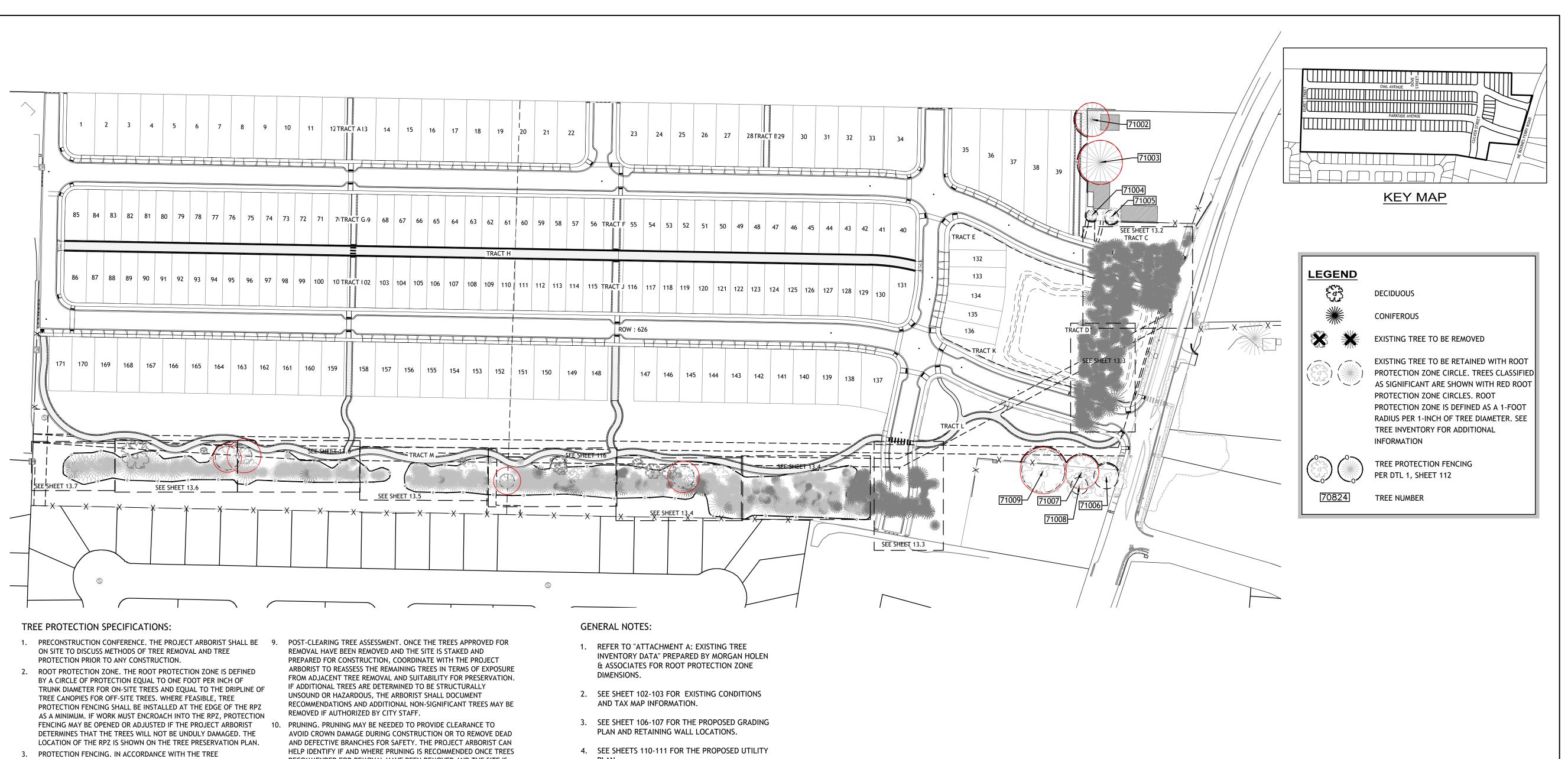
PROJECT NO.: TYPE: REVIEWED BY:

CONSTRUCTION

142-001 PRE







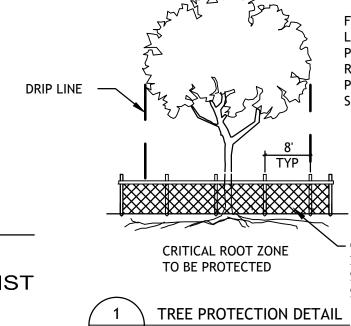
- PRESERVATION PLAN, ALL TREES TO BE RETAINED SHALL BE PROTECTED BY 5-FOOT TALL 2-INCH MESH CHAIN LINK FENCING SECURED TO 1.5-INCH DIAMETER STEEL OR ALUMINUM POSTS PLACED NO FURTHER THAN 8-FEET ON CENTER.
- 4. EROSION CONTROL. WHERE NEEDED, EROSION CONTROL MEASURES SHALL ONLY BE INSTALLED OUTSIDE OF THE RPZ OF PROTECTED
- 5. ROOT PROTECTION ZONE MAINTENANCE AND PROHIBITIONS. TREE PROTECTION FENCING SHALL NOT BE MOVED, REMOVED OR ENTERED BY EQUIPMENT EXCEPT UNDER DIRECTION OF THE PROJECT ARBORIST. NO SOIL COMPACTION, MATERIALS OR SPOILS STORAGE SHALL BE ALLOWED WITHIN THE RPZ. WITHOUT AUTHORIZATION FROM THE PROJECT ARBORIST, NONE OF THE FOLLOWING SHALL OCCUR WITHIN THE RPZ OF ANY PROTECTED TREE:
 - a. GRADE CHANGE OR CUT AND FILL;
 - b. NEW IMPERVIOUS SURFACES;
 - c. UTILITY OR DRAINAGE FIELD PLACEMENT; OR
 - d. VEHICLE MANEUVERING.

THE RPZ MAY BE ENTERED FOR TASKS LIKE SURVEYING, MEASURING AND SAMPLING. FENCES MUST BE CLOSED UPON COMPLETION OF THESE TASKS. CONSTRUCTION THAT IS NECESSARY WITHIN THE RPZ SHALL BE PERFORMED UNDER ARBORIST SUPERVISION.

- 6. DEBRIS PILE REMOVAL. EXISTING PILES OF EXCESS DIRT AND DEBRIS WITHIN THE RPZ SHALL BE CAREFULLY REMOVED BY HAND AND WITH HAND TOOLS OR WITH A SMALL RUBBER-TRACKED MACHINE OPERATING UNDER ARBORIST SUPERVISION. COORDINATE WITH THE PROJECT ARBORIST PRIOR TO OPENING TREE PROTECTION FENCING TO RESTORE NATIVE GRADE IN THESE AREAS. THE APPROXIMATE LOCATION OF THE DEBRIS PILES IS SHOWN ON THE TREE PRESERVATION PLAN.
- 7. TREE REMOVAL. WITHIN THE RPZ OF TREES TO REMAIN, CLEARLY MARK TREES APPROVED FOR REMOVAL WITH PAINT OR FLAGGING. DIRECTIONALLY FELL OR SURGICALLY REMOVE TREES TO AVOID CONTACT OR OTHERWISE PREVENT DAMAGE TO THE TRUNKS AND BRANCHES OF TREES TO BE RETAINED. NO VEHICLES OR HEAVY EQUIPMENT SHALL BE PERMITTED WITHIN THE RPZ DURING TREE REMOVAL OPERATIONS. TREE REMOVAL SHALL BE PERFORMED BY A QUALIFIED TREE SERVICE.
- 8. STUMP REMOVAL. WITHIN THE RPZ OF TREES TO REMAIN, STUMPS OF TREES PLANNED FOR REMOVAL SHALL REMAIN IN THE GROUND WHERE FEASIBLE. OTHERWISE, STUMPS MAY BE REMOVED BY STUMP GRINDING UP TO SIX INCHES BELOW THE GROUND SURFACE OR EXTRACTED FROM THE GROUND UNDER PROJECT ARBORIST SUPERVISION.

- RECOMMENDED FOR REMOVAL HAVE BEEN REMOVED AND THE SITE IS STAKED AND PREPARED FOR CONSTRUCTION. PRUNING SHALL BE PERFORMED BY A QUALIFIED TREE SERVICE.
- 11. EXCAVATION. EXCAVATION WITHIN THE RPZ SHALL BE AVOIDED IF ALTERNATIVES ARE AVAILABLE. IF EXCAVATION WITHIN THE RPZ IN UNAVOIDABLE, THE PROJECT ARBORIST SHALL EVALUATE THE PROPOSED EXCAVATION TO DETERMINE METHODS TO MINIMIZE IMPACTS TO TREES. ALL CONSTRUCTION WITHIN THE RPZ SHALL BE UNDER THE ON-SITE TECHNICAL SUPERVISION OF THE PROJECT ARBORIST.
- WOODCHIP PATH. CHAIN LINK TREE PROTECTION FENCING MAY BE 12. OPENED WHERE THE WOOD CHIP PATH IS PROPOSED TO MEANDER THROUGH THE RPZ. COORDINATE WITH THE PROJECT ARBORIST TO FIELD-FIT AND STAKE THE FINAL ALIGNMENT. ONCE THE ALIGNMENT IS DETERMINED, WORK MAY PROCEED WITH A SMALL RUBBER-TRACKED MACHINE USING A FLAT BLADE BUCKET IF TEMPORARY ORANGE PLASTIC MESH FENCING IS FIRST INSTALLED ALONG BOTH SIDES OF THE PROPOSED PATH WITHIN THE RPZ ALLOWING UP TO TWO FEET OF ROOM TO WORK ON EITHER SIDE, IN ORDER TO CREATE A PHYSICAL BARRIER LIMITING THE MACHINE'S ACTIVITY TO THE PATH ALIGNMENT. IF NO TEMPORARY ORANGE PLASTIC MESH FENCING WILL BE INSTALLED, PATH CONSTRUCTION SHALL PROCEED BY HAND AND WITH HAND TOOLS AND WHEEL BARROWS ONLY. EITHER WAY, CAREFULLY REMOVE THE UPPERMOST ORGANIC MATTER ALONG THE PATH ALIGNMENT (NO EXCAVATION). THE EXCESS MATERIAL SHALL BE HAULED OUTSIDE OF THE RPZ. ONCE THE PATH IS CLEARED, PLACE A LAYER OF PERMEABLE GEOTEXTILE FABRIC ON THE GROUND SURFACE AND TOP THE FABRIC WITH 4-INCHES OF WOOD CHIPS, BUILDING UP FROM NATIVE GRADE.
- 13. LANDSCAPING. FOLLOWING CONSTRUCTION AND PRIOR TO LANDSCAPING, THE PROTECTION FENCING MAY BE REMOVED. IVY SHOULD BE REMOVED FROM TREE TRUNKS BY HAND AND WITH HAND TOOLS ONLY. WHERE LANDSCAPING IS DESIRED, APPLY APPROXIMATELY 3-INCHES OF MULCH BENEATH THE DRIPLINE OF PROTECTED TREES, BUT NOT DIRECTLY AGAINST TREE TRUNKS. SHRUBS AND GROUND COVER PLANTS MAY BE PLANTED WITHIN TREE PROTECTION AREAS BY HAND AND FIELD-FITTED TO AVOID TREE ROOT IMPACTS. IF IRRIGATION IS USED, USE DRIP IRRIGATION ONLY BENEATH THE DRIPLINES OF PROTECTED TREES; INSTALL DRIP IRRIGATION LINES ON THE GROUND SURFACE AND COVER WITH MULCH (NO TRENCHING TO INSTALL IRRIGATION LINES BENEATH PROTECTED TREE DRIPLINES).

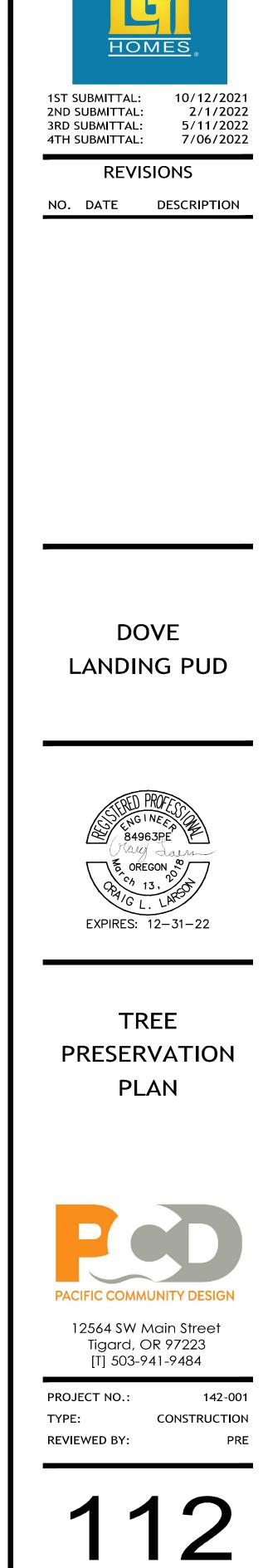
- PLAN.
- 5. SEE SHEETS L1 -L8 FOR LANDSCAPE PLAN.



(NOT TO SCALE)

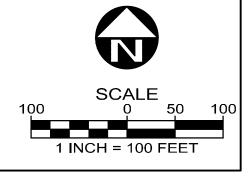
PROJECT ARBORIST:

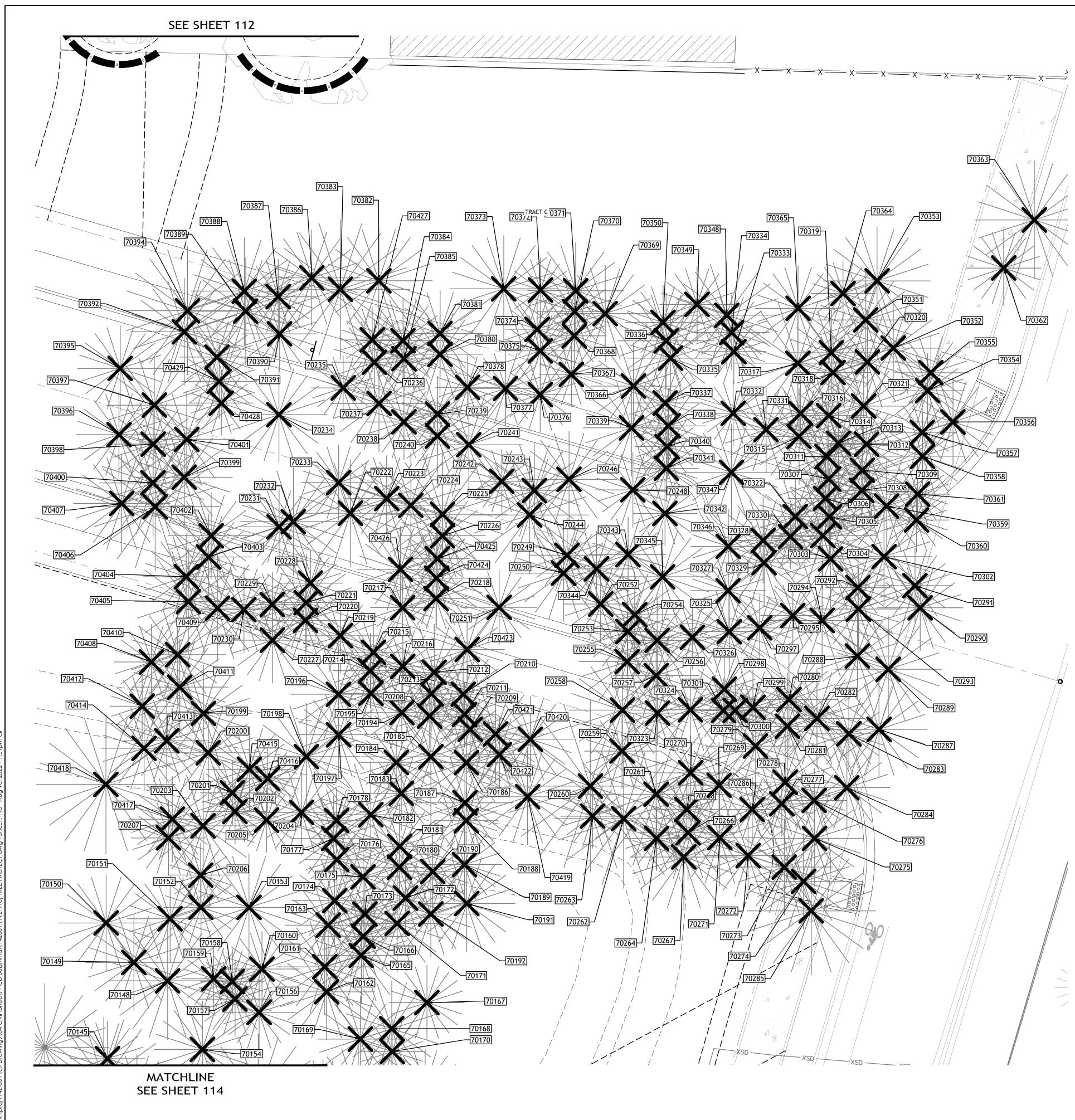
MORGAN HOLEN & ASSOCIATES, LLC. MORGAN HOLEN, CONSULTING ARBORIST [P] 971-409-9354 [E] MORGAN@MHOLEN.COM



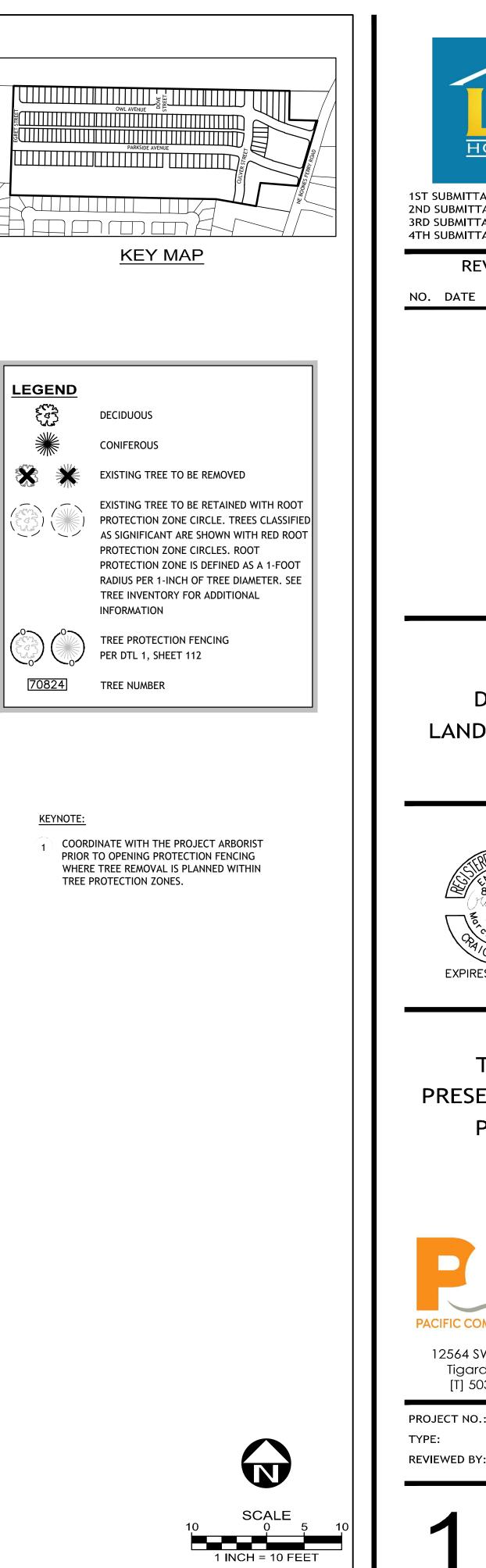
FENCE SHALL IDEALLY BE LOCATED AT THE OUTER PERIMETER OF THE CRITICAL ROOT ZONE. SEE TREE PROTECTION PLAN THIS SHEET

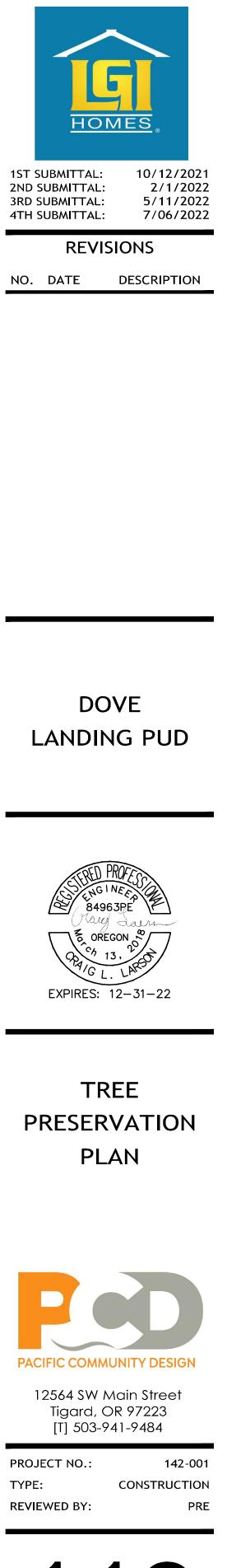
6' CHAIN LINK FENCING. 2" MESH CHAIN LINK SECURED TO 1-1/2" DIA STEEL OR ALUMINUM POSTS



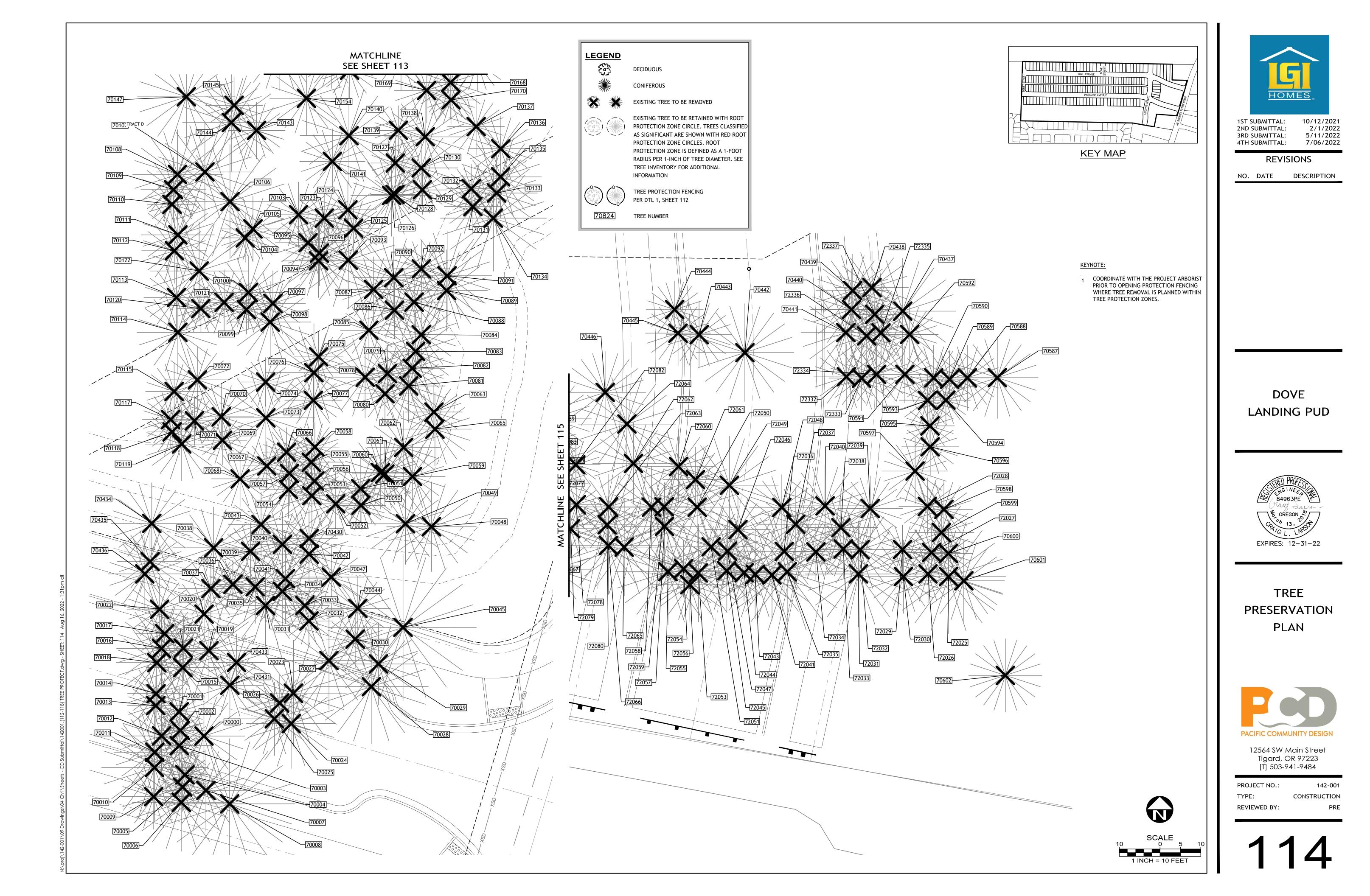


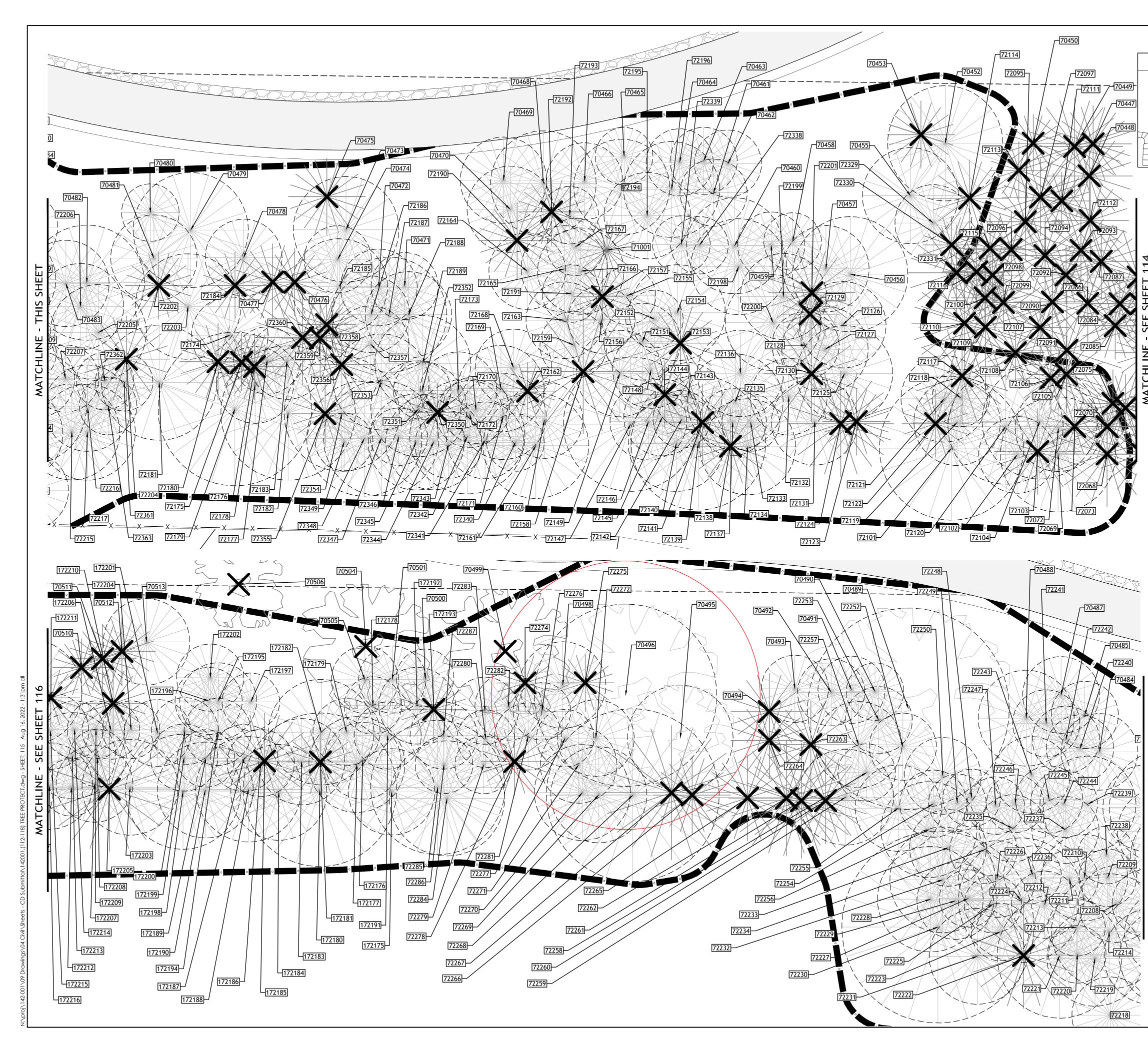
\09 Drawings\04 Civil\Sheets - CD Submittal\142001.(112-118) TREE PROTECT.dwg - SHEET: 113 Aug 16, 2022 - 1:3'

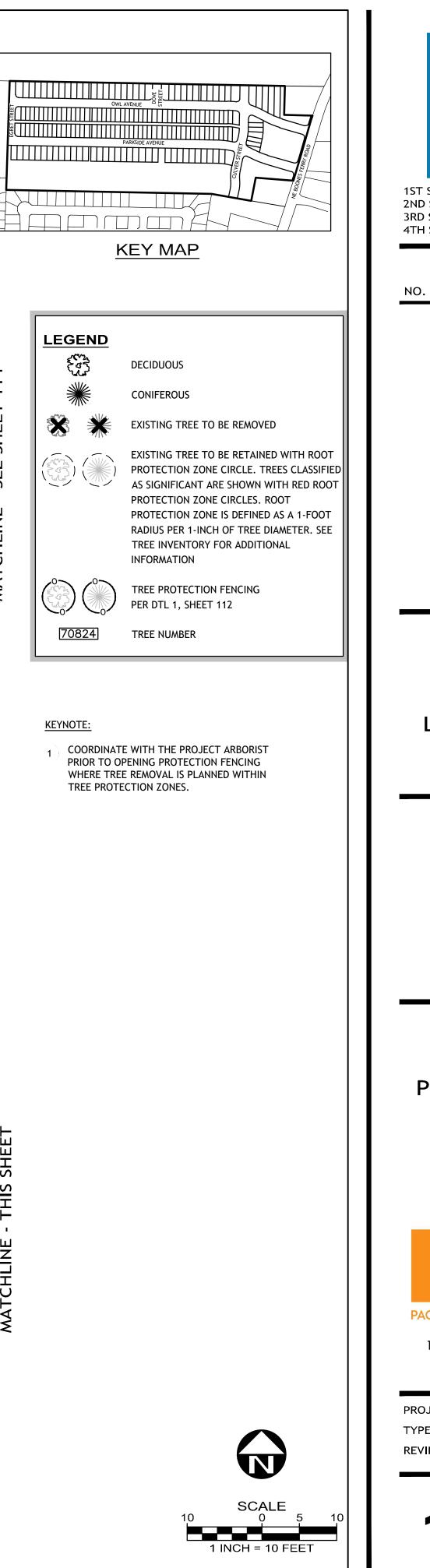




З

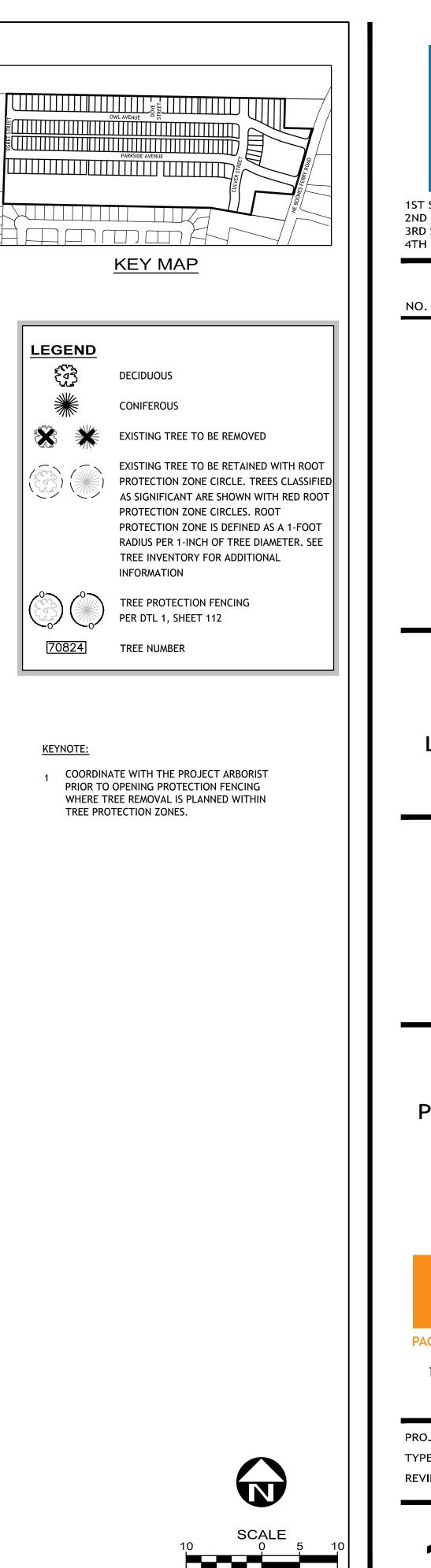




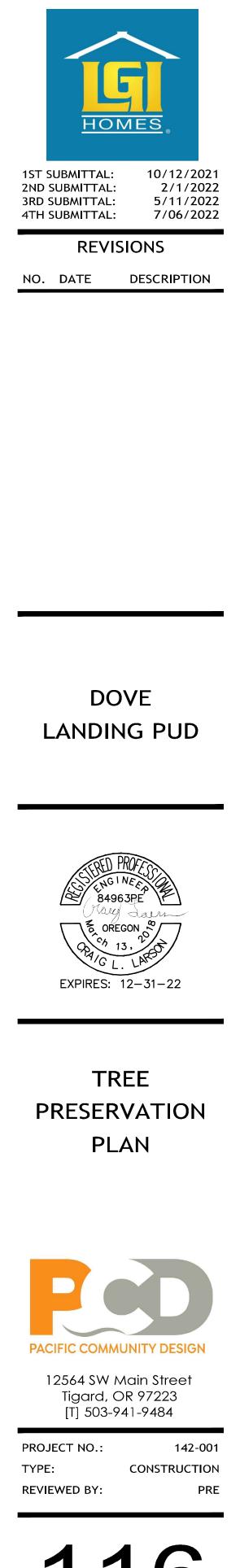


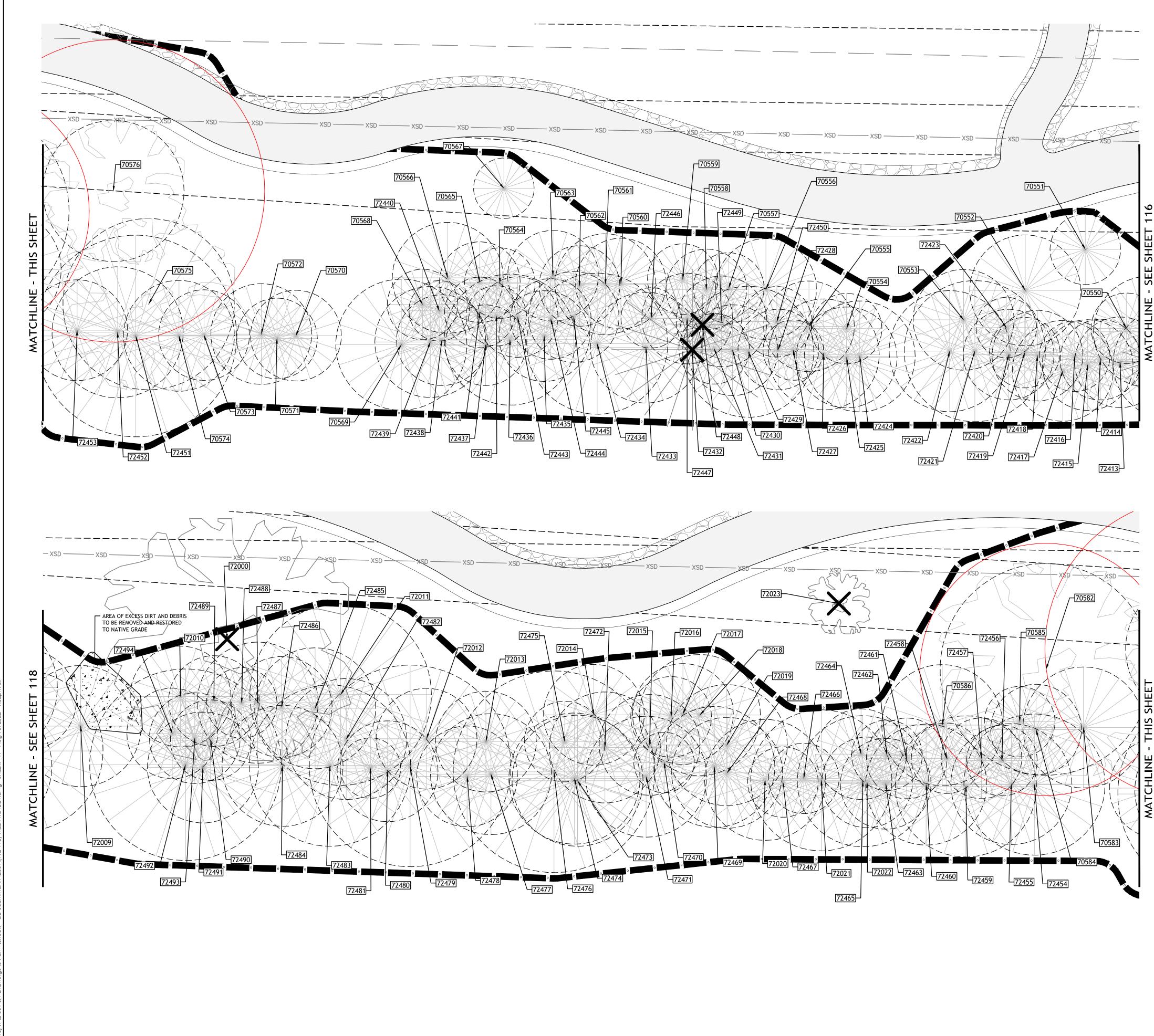




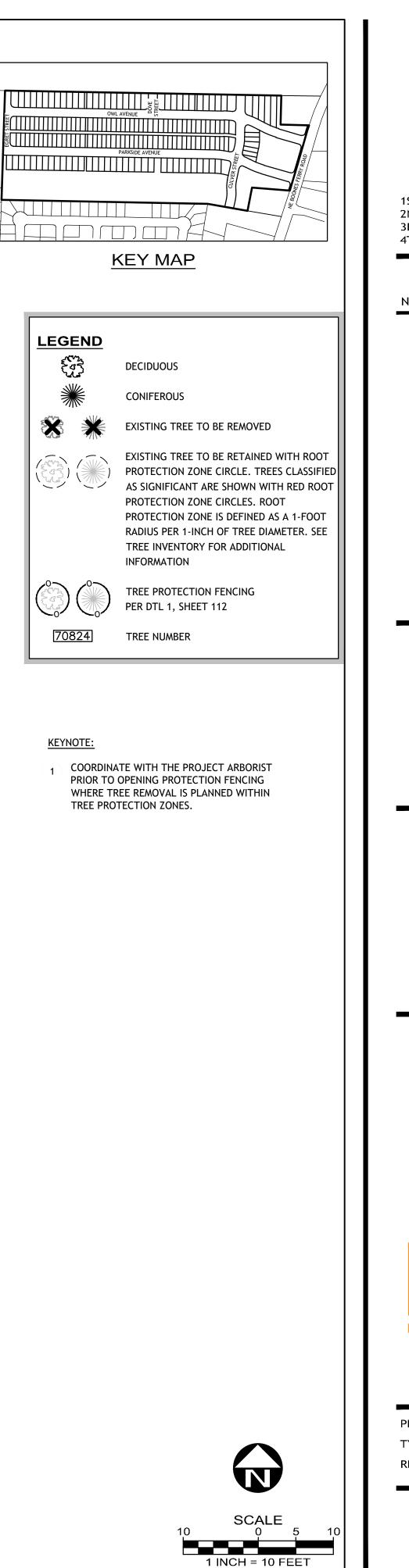


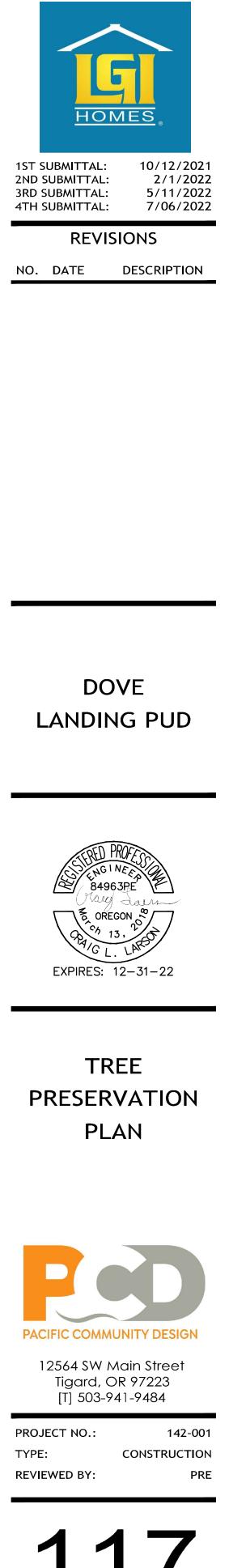
1 INCH = 10 FEET

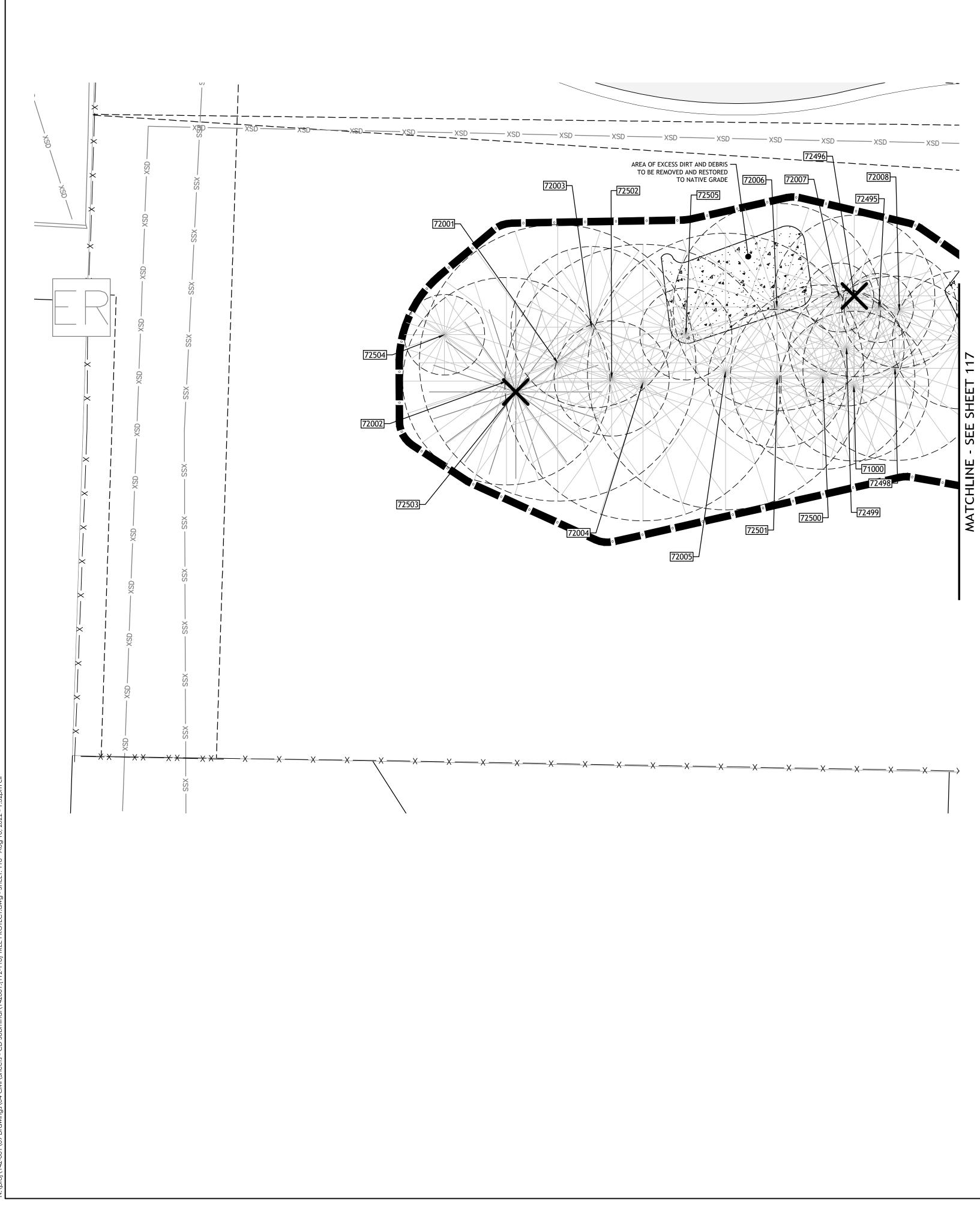




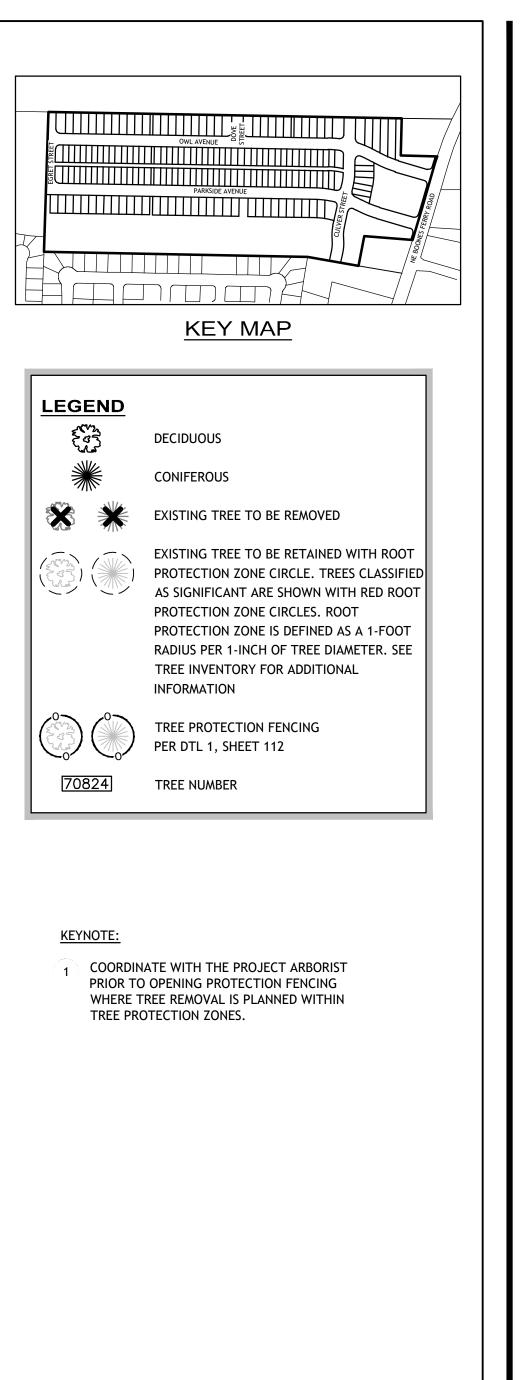
2-001\09 Drawings\04 Civil\Sheets - CD Submittal\142001.(112-118) TREE PROTECT.dwg - SHEET: 117 Aug 16, 2022 - 1

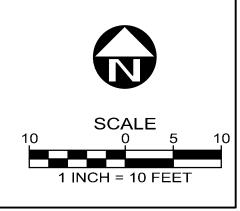


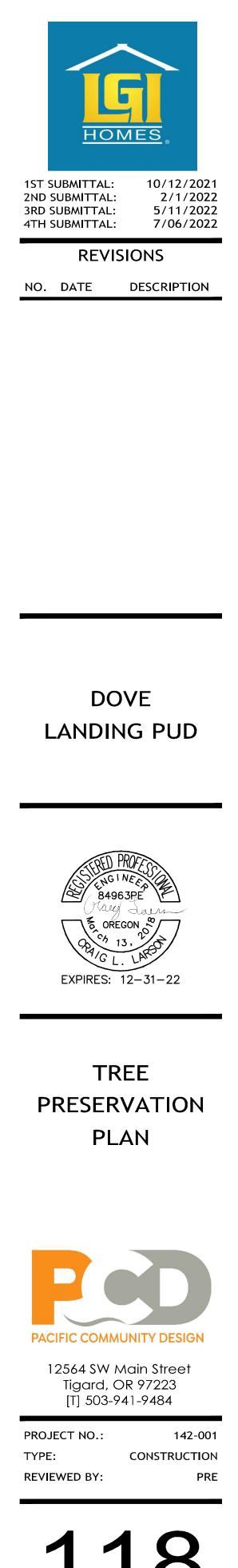


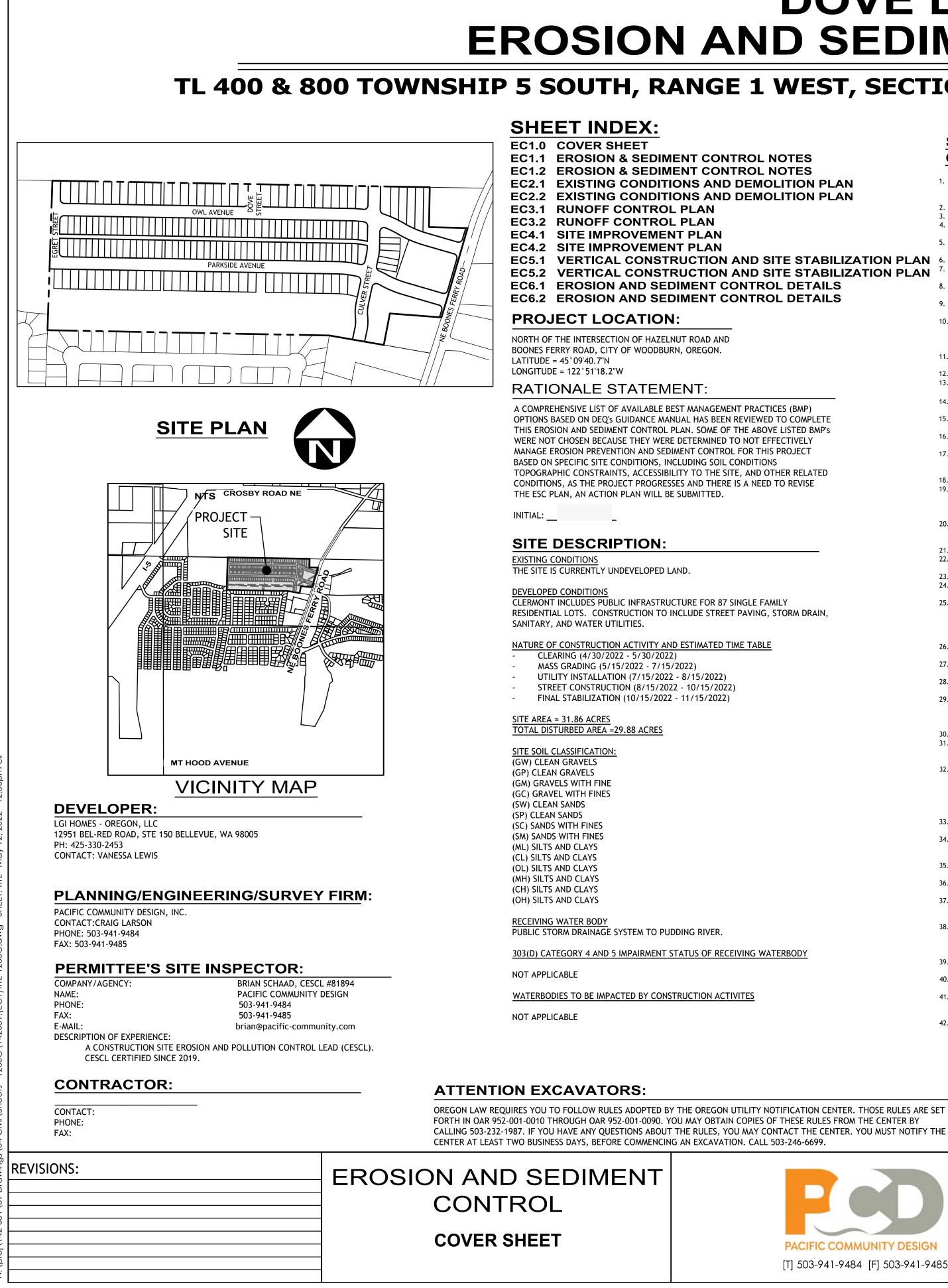


142-001\09 Drawinas\04 Civil\Sheets - CD Submittal\142001.(112-118) TREE PROTECT.dwa - SHEFT: 118 Aua 16. 2022 - 1:32pm









DOVE LANDING EROSION AND SEDIMENT CONTROL PLAN

TL 400 & 800 TOWNSHIP 5 SOUTH, RANGE 1 WEST, SECTION 6, W.M. CITY OF WOODBURN, MARION COUNTY, OREGON

EC5.2 VERTICAL CONSTRUCTION AND SITE STABILIZATION PLAN

STANDARD EROSION AND SEDIMENT **CONTROL PLAN DRAWING NOTES:**

- INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (E.G. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.C.II)
- VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION6.5) INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.Q) RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY, (SECTION 4.7)
- THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11) THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
- SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SECTION 4.9)
- SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION (SECTION 2.2.2)
- CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
- IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE RUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SECTION 2.2.1)
- PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SECTION 2.2.5) MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SECTION 2.2.4) INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS,
- AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3) 14. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM
- CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1. AND 2.2.16) CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES
- DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SECTIONS 2.2.6 AND 2.2.13) ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
- 17. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. (SECTIONS 2.2.20 AND 2.2.21) ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.
- KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS FHAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS. PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT). (SECTION 2.3.7)
- PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OF EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPS MUST BE IN PLACE PRIOR TO LAND- DISTURBING ACTIVITIES. (SECTION 2.2.7)
- WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.F) CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO. PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9)
- ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10) PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
- 25. USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER PESTICIDES AND HERBICIDES. PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3)
- PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.A) IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND
- 2.2.18) 28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES (SEE SECTION 2-4)
- IMPLEMENT THE FOLLOWING BMPS WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED TORAGE AREAS FOR WASTE AND SUPPLIES. (SECTION 2.3
- 30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9) 31. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)
- 32. IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC. LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
- TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SECTION 2.2)
- AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED. OR OTHER BMPS MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SECTION 2.2.8) SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE
- 35. FENCE REMOVAL. (SECTION 2.1.5.B) 36. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT
- AND BEFORE BMP REMOVAL. (SECTION 2.1.5.C) CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT.
- (SECTION 2.1.5.D) WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED
- TIMEFRAME. (SECTION 2.2.19.A) THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19) DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE
- TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.F.) PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH
- UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.20) DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF

PROPERTY DESCRIPTION:

THE PROPOSED SUBDIVISION IS LOCATED ON TAX LOT 400 AND 800 OF MARION COUNTY TAX MAP 05 1W 06C, LOCATED IN THE SOUTH OF SECTION 6, TOWNSHIP 5 SOUTH, RANGE 1 WEST,

3-246-6699.	WILLAMETTE MERIDIAN, CITT OF WOODBURN, OREG				DATE: 8/31	/2021
	DESIGNED BY: CLL	DRAWING NO.: 142-001	DOVE LANDING - DEQ FILE # DOVE LANDNG - EPA #		AFD DDOLA	
	DRAWN BY: CLL	SCALE:			STEPED FILLY SE	JOB NUMBER
	CHECKED BY: CLL		DOVE LANDING		84963PE	142-001
					Mary Lain	
	PREPARED FOR:	LGI HOMES - OREGON, LLC 12951 BEL-RED ROAD, STE 150			COREGON CON CON CON CONCERNMENT	SHEET
PACIFIC COMMUNITY DESIGN		BELLEVUE, WA 98005 PH: 425-330-2453	CITY OF WOODBURN	OREGON	0, 13, 00 17/G LARD	EC1.0
[T] 503-941-9484 [F] 503-941-9485		FII. 423-330-2433	TAX MAP: 31W15AB-543, 7200, 7290, 7300, 7400, 7500, 7600, 8120, 8130 TAX MAP: 31W15AA-16400		EXPIRES: 12-31-22	
	•		•			

	CLEARING GRADING	UTILITY/STREET CONSTRUCTION		FINAL STABILIZATION	WET WEATHER (OCT. 1 - MAY 31ST)
EROSION PREVENTION					
PRESERVE EXISTING VEGETATION	X	Х	Х	Х	Х
STRAW GROUND COVER		A	X	X	X
PLASTIC SHEETING				X	X
EROSION CONTROL BLANKETS & MATS (SPECIFY TYPE)					X
COMPOST BLANKETS					X
DUST CONTROL	X	Х	Х	Х	Х
TEMPORARY SEEDING AND PLANTING		X	X	X	X
PERMANENT SEEDING AND PLANTING		X	Λ	X	X
VEGETATED BUFFER STRIPS				Λ	
UNPAVED ROADS GRAVELED OR OTHER BMP ON THE ROAD					Х
HYDROSEEDING					X
MULCHES (SPECIFY TYPE)					
SOIL TACKIFIERS					
SODDING					
ORANGE FENCING (PROTECTING SENSITIVE/PRESERVED AREAS)	Χ**	Х	Х	Х	Х
SEDIMENT CONTROL			A		X
SEDIMENT FENCING	Χ**	Х	Х		Х
STRAW WATTLES (OR OTHER MATERIALS)					
COMPOST BERM					
STORM DRAIN INLET PROTECTION - BIOBAGS	Χ**	Х	Х		Х
DEWATERING					
SEDIMENT TRAP					
SEDIMENT BARRIER					
NATURAL BUFFER ZONE	Х	Х	Х	Х	Х
TEMPORARY OR PERMANENT SEDIMENTATION BASINS					X
TREATMENT SYSTEM (O & M PLAN REQUIRED)					
COMPOST SOCKS					
MYCORRHIZAE / BIOFERTILIZERS					
RUNOFF CONTROL					
CONSTRUCTION ENTRANCE	Χ**	Х	Х		Х
PIPE SLOPE DRAINS					
OUTLET PROTECTION	Х	Х	Х		Х
ENERGY DISSIPATERS					
CHECK DAMS					
BIOSWALES					
EARTH DIKES (STABILIZED)					
TEMPORARY DIVERSION DIKES					
POLLUTION PREVENTION					
PROPER SIGNAGE	Х	Х	Х	Х	Х
HAZARDOUS WASTE MANAGEMENT	Х	Х	Х	Х	Х
SPILL KIT ON-SITE	Х	Х	Х	Х	Х
CONCRETE TRUCK WASHOUT		Х	Х		

THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200C PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200C PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200C PERMIT REQUIREMENTS SUPERSEDE REQUIREMENTS OF THIS PLAN.

ADDITIONAL NOTES THE ACTION PLAN MUST CLEARLY IDENTIFY ANY NECESSARY CHANGES (SUCH AS TYPE OR DESIGN) TO THE BMP'S IDENTIFIED IN THE ESCP, THEIR LOCATION, MAINTENANCE REQUIRED, AND ANY OTHER REVISIONS NECESSARY TO PREVENT AND CONTROL EROSION AND SEDIMENT RUNOFF

INSPECTION FREQUENCY:

	SITE CONDITION
	1. ACTIVE PERIOD.
2.	INACTIVE PERIODS GREATER THAT
	FOURTEEN (14) CONSECUTIVE C
	DAYS
3.	PERIODS DURING WHICH THE SIT
	INACCESSIBLE DUE TO INCLEMEN
4.	PERIODS DURING WHICH CONSTR
	ACTIVITIES ARE SUSPENDED AND
	IS UNLIKELY DUE TO FROZEN CO

5. PERIODS DURING WHICH CONSTR ACTIVITIES ARE CONDUCTED AN IS IS UNLIKELY DUE TO FROZEN CONDITIONS

ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200 C PERMIT REQUIREMENTS

INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200 C PERMIT REQUIREMENTS.

CHANGES TO THE APPROVED ESC PLAN MUST BE SUBMITTED TO DEQ IN THE FORM OF AN ACTION PLAN.

PRECONSTRUCTION MEETING HELD ATTENDEES:_____

PERMIT COVERAGE. (SECTION 2.2.21)

BMP SCHEDULE FOR CONSTRUCTION PHASES

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S.

* SIGNIFIES ADDITIONAL BMP'S REQUIRED FOR WORK WITHIN 50' OF WATER OF THE STATE ** SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY

	MINIMUM FREQUENCY		
	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUN OFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM THE SITE. AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.		
HAN CALENDAR	THE INSPECTOR MAY REDUCE THE FREQUENCY OF INSPECTION IN ANY AREA OF THE SITE WHERE STABILIZATION STEPS IN SECTION 2.2.20 HAVE BEEN COMPLETED TO TWICE PER MONTH FOR THE FIRST MONTH, NO LESS THAN 14 CALENDAR DAYS APART, THEN ONCE PER MONTH.		
ITE IS ENT WEATHER	IF SAFE, ACCESSIBLE AND PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATER BODY.		
TRUCTION ND RUNOFF CONDITIONS	VISUAL MONITORING INSPECTIONS MAY BE TEMPORARILY SUSPENDED IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGE LIKELY.		
FRUCTION ND RUNOFF N	VISUAL MONITORING INSPECTIONS MAY BE REDUCED TO ONCE A MONTH. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGE LIKELY.		

HOLD A PRE-CON MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE EC INSPECTOR.

ON .			

SPILL PREVENTION AND CONTROL PROCEDURES

SPILL PREVENTION AND CONTROL

DESCRIPTION AND PURPOSE: PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO DRAINAGE SYSTEMS OR WATERCOURSES FROM LEAKS AND SPILLS BY REDUCING THE CHANCE FOR SPILLS, STOPPING THE SOURCE OF SPILLS, CONTAINING AND CLEANING UP SPILLS, PROPERLY DISPOSING OF SPILL MATERIALS, AND TRAINING EMPLOYEES. THIS BEST MANAGEMENT PRACTICE COVERS ONLY SPILL PREVENTION AND CONTROL. SUITABLE APPLICATIONS

THIS BMP IS SUITABLE FOR ALL CONSTRUCTION PROJECTS. SPILL CONTROL PROCEDURES ARE IMPLEMENTED ANYTIME CHEMICALS OR HAZARDOUS SUBSTANCES ARE STORED ON THE CONSTRUCTION SITE, INCLUDING THE FOLLOWING MATERIALS:

SOIL STABILIZERS/BINDERS

- DUST PALLIATIVES HERBICIDES
- GROWTH INHIBITORS
- FERTILIZERS
- DEICING/ANTI-ICING CHEMICALS
- FUELS LUBRICANTS
- OTHER PETROLEUM DISTILLATES
- IMPLEMENTATION
- TO THE EXTENT THAT THE WORK CAN BE ACCOMPLISHED SAFELY, SPILLS OF OIL, PETROLEUM PRODUCTS, AND SUBSTANCES LISTED UNDER 40 CFR PARTS 110.117, AND 302, AND SANITARY AND SEPTIC WASTES SHOULD BE CONTAINED AND CLEANED UP IMMEDIATELY.
- STORE HAZARDOUS MATERIALS AND WASTES IN COVERED CONTAINERS AND PROTECT FROM VANDALISM.
- PLACE A STOCKPILE OF SPILL CLEANUP MATERIALS WHERE IT WILL BE READILY ACCESSIBLE. TRAIN EMPLOYEES IN SPILL PREVENTION AND CLEANUP.
- DESIGNATE RESPONSIBLE INDIVIDUALS TO OVERSEE AND ENFORCE CONTROL MEASURES.
- SPILLS SHOULD BE COVERED AND PROTECTED FROM STORMWATER RUNON DURING RAINFALL TO THE EXTENT THAT IT DOESN 'T COMPROMISE CLEAN UP ACTIVITIES.
- DO NOT BURY OR WASH SPILLS WITH WATER.
- STORE AND DISPOSE OF USED CLEAN UP MATERIALS, CONTAMINATED MATERIALS, AND RECOVERED SPILL MATERIAL THAT IS NO LONGER SUITABLE FOR THE INTENDED PURPOSE IN CONFORMANCE WITH THE PROVISIONS IN APPLICABLE BMPS
- DO NOT ALLOW WATER USED FOR CLEANING AND DECONTAMINATION TO ENTER STORM DRAINS OR WATERCOURSES. COLLECT
- AND DISPOSE OF CONTAMINATED WATER IN ACCORDANCE WITH WM-10, LIQUID WASTE MANAGEMENT CONTAIN WATER OVERFLOW OR MINOR WATER SPILLAGE AND DO NOT ALLOW IT TO DISCHARGE INTO DRAINAGE FACILITIES OR WATERCOURSES.
- PLACE PROPER STORAGE, CLEANUP, AND SPILL REPORTING INSTRUCTIONS FOR HAZARDOUS MATERIALS STORED OR USED ON THE PROJECT SITE IN AN OPEN, CONSPICUOUS, AND ACCESSIBLE LOCATION.
- KEEP WASTE STORAGE AREAS CLEAN, WELL ORGANIZED, AND EQUIPPED WITH AMPLE CLEAN SUPPLIES AS APPROPRIATE FOR THE MATERIALS BEING STORED. PERIMETER CONTROLS, CONTAINMENT STRUCTURES, COVERS, AND LINERS SHOULD BE REPAIRED OR REPLACED AS NEEDED TO MAINTAIN PROPER FUNCTION.

CLEANUP

- CLEAN UP LEAKS AND SPILLS IMMEDIATELY.
- USE A RAG FOR SMALL SPILLS ON PAVED SURFACES, A DAMP MOP FOR GENERAL CLEANUP, AND ABSORBENT MATERIAL FOR LARGER SPILLS. IF THE SPILLED MATERIAL IS HAZARDOUS, THEN THE USED CLEANUP MATERIALS ARE ALSO HAZARDOUS AND MUST BE SENT TO EITHER A CERTIFIED LAUNDRY (RAGS) OR DISPOSED OF AS HAZARDOUS WASTE.
- NEVER HOSE DOWN OR BURY DRY MATERIAL SPILLS. CLEAN UP AS MUCH OF THE MATERIAL AS POSSIBLE AND DISPOSE OF PROPERLY.

MINOR SPILLS

- MINOR SPILLS TYPICALLY INVOLVE SMALL QUANTITIES OF OIL, GASOLINE, PAINT, ETC. WHICH CAN BE CONTROLLED AT THE DISCOVERY OF THE SPILL.
- CONTAIN THE SPREAD OF THE SPILL.
- USE ABSORBENT MATERIALS ON SMALL SPILLS RATHER THAN HOSING DOWN OR BURYING THE SPILL.
- NOTIFY THE PROJECT FOREMAN IMMEDIATELY
- RECOVER SPILLED MATERIALS. CLEAN THE CONTAMINATED AREA AND PROPERLY DISPOSE OF CONTAMINATED MATERIALS
- IF THE SPILL OCCURS ON PAVED OR IMPERMEABLE SURFACES, CLEAN UP USING "DRY" METHODS (ABSORBENT MATERIALS, CAT LINER AND/OR RAGS). CONTAIN THE SPILL BY ENCIRCLING WITH ABSORBENT MATERIALS AND DO NOT LET THE SPILL SPREAD
- WIDELY. IF THE SPILL OCCURS IN DIRT AREAS, IMMEDIATELY CONTAIN THE SPILL BY CONSTRUCTING AN EARTHEN DIKE. DIG UP AND
- PROPERLY DISPOSE OF CONTAMINATED SOIL. IF THE SPILL OCCURS DURING RAIN, COVER SPILL WITH TARPS OR OTHER MATERIAL TO PREVENT CONTAMINATING RUNOFF.

SEMI-SIGNIFICANT SPILLS

 SEMI-SIGNIFICANT SPILLS STILL CAN BE CONTROLLED BY THE FIRST RESPONDER ALONG WITH THE AID OF OTHER PERSONNEL SUCH AS LABORERS AND THE FOREMAN, ETC. THIS RESPONSE MAY REQUIRE THE CESSATION OF ALL OTHER ACTIVITIES. SPILLS SHOULD BE CLEANED UP IMMEDIATELY

SIGNIFICANT/HAZARDOUS SPILLS

- FOR SIGNIFICANT OR HAZARDOUS SPILLS THAT CANNOT BE CONTROLLED BY PERSONNEL IN THE IMMEDIATE VICINITY', THE
- FOLLOWING STEPS SHOULD BE TAKEN:
- NOTIFY THE LOCAL EMERGENCY RESPONSE BY DIALING 911. IN ADDITION TO 911, THE CONTRACTOR WILL NOTIFY THE •• PROPER CITY OR COUNTY OFFICIALS. ALL EMERGENCY PHONE NUMBERS WILL BE POSTED AT THE CONSTRUCTION SITE. CONTACT YOUR SUPERVISOR AND THE DIVISIONAL ENVIRONMENTAL MANAGER. FOR SPILLS OF FEDERAL REPORTABLE
- QUANTITIES, (EXAMPLES ARE LISTED BELOW) IN CONFORMANCE WITH THE REQUIREMENTS IN 40 CFR PARTS 110,119, AND 302, THE DIVISION ENVIRONMENTAL MANAGER (DEM) WILL NOTIFY THE NATIONAL RESPONSE CENTER AT (800) 424-8802. THE DEM WILL NOTIFY THE REGIONAL WATER OUALITY CONTROL BOARD AND ANY OTHER APPLICABLE AGENCIES THE SERVICES OF A SPILLS CONTRACTOR OR A HAZ-MAT TEAM SHOULD BE OBTAINED IMMEDIATELY. CONSTRUCTION PERSONNEL
- SHOULD NOT ATTEMPT TO CLEAN UP UNTIL THE APPROPRIATE AND QUALIFIED STAFFS HAVE ARRIVED AT THE JOB SITE. NOTIFICATION SHOULD FIRST BE MADE BY TELEPHONE AND FOLLOWED UP WITH A WRITTEN REPORT.
- OTHER AGENCIES WHICH MAY NEED TO BE CONSULTED INCLUDE, BUT ARE NOT LIMITED TO, THE PUBLIC WORKS DEPARTMENT, DIE COAST GUARD, THE FIIGHWAY PATROL, THE CITY/COUNTY POLICE DEPARTMENT, DEPARTMENT OF TOXIC SUBSTANCES, CALIFORNIA DIVISION OF OIL AND GAS, CAL/OSITA, ETC.
- FEDERAL REGULATIONS REQUIRE THAT ANY SIGNIFICANT OIL SPILL INTO A WATER BODY OR ONTO AN ADJOINING •• SHORELINE BE REPORTED TO THE NATIONAL RESPONSE CENTER (NRC) AT 800-424-8802 (24 HOURS).

SAMPLING

 IF THERE IS EVIDENCE THAT THE SPILLED MATERIAL WAS DISCHARGED OFFSITE, FOLLOW THE APPROPRIATE SAMPLING PROTOCOL (STORMWATER, NON-STORMWATER OR NON-VISIBLE DISCHARGES) LOCATED IN THE CSMP.

USE THE FOLLOWING MEASURES RELATED TO SPECIFIC ACTIVITIES:

REVISIONS:

VEHICLE AND EQUIPMENT MAINTENANCE

- REGULARLY INSPECT ONSITE VEHICLES AND EQUIPMENT FOR LEAKS AND REPAIR IMMEDIATELY
- OR CHANGING FLUIDS.

- OPEN CONTAINERS LYING AROUND.
- ASK THE OIL SUPPLIER OR RECVCLER ABOUT RECYCLING OIL FILTERS.

VEHICLE AND EQUIPMENT FUELING

- ON OF STORMWATER AND THE RUNOFF OF SPILLS.
- DISCOURAGE "TOPPING OFF OF FUEL TANKS.

EROSION & SEDIMENT CONTROL NOTES

EROSION AND SEDIMENT

CONTROL

• IF MAINTENANCE MUST BE PERFORMED ONSITE, USE A DESIGNATED AREA AND SECONDARY CONTAINMENT. LOCATED AWAY FROM DRAINAGE COURSES, TO PREVENT THE RUN ON OF STORMWATER AND THE RUNOFF OF SPILLS.

CHECK INCOMING VEHICLES AND EQUIPMENT (INCLUDING DELIVERY TRUCKS, AND EMPLOYEE AND SUBCONTRACTOR VEHICLES)

FOR LEAKING OIL AND FLUIDS. DO NOT ALLOW LEAKING VEHICLES OR EQUIPMENT ONSITE. ALWAYS USE SECONDARY CONTAINMENT, SUCH AS A DRAIN PAN OR DROP CLOTH, TO CATCH SPILLS OR LEAKS WHEN REMOVING

 PLACE DRIP PANS OR ABSORBENT MATERIALS UNDER PAVING EQUIPMENT WHEN NOT IN USE. USE ABSORBENT MATERIALS ON SMALL SPILLS RATHER THAN HOSING DOWN OR BURYING THE SPILL.

REMOVE THE ABSORBENT MATERIALS PROMPTLY AND DISPOSE OF PROPERLY.

• PROMPTLY TRANSFER USED FLUIDS TO THE PROPER WASTE OR RECYCLING DRUMS. DON 'T LEAVE FULL DRIP PANS OR OTHER

 OIL FILTERS DISPOSED OF IN TRASHCANS OR DUMPSTERS CAN LEAK OIL AND POLLUTE STORMWATER. PLACE THE OIL FILTER IN A FUNNEL OVER A WASTE OIL-RECYCLING DRUM TO DRAIN EXCESS OIL BEFORE DISPOSAL. OIL FILTERS CAN ALSO BE RECYCLED.

• STORE CRACKED BATTERIES IN A NON-LEAKING SECONDARY CONTAINER. DO THIS WITH ALL CRACKED BATTERIES EVEN IF YOU THINK ALL THE ACID HAS DRAINED OUT. IF YOU DROP A BATTERY, TREAT IT AS IF IT IS CRACKED. PUT IT INTO THE CONTAINMENT AREA UNTIL YOU ARE SURE IT IS NOT LEAKING.

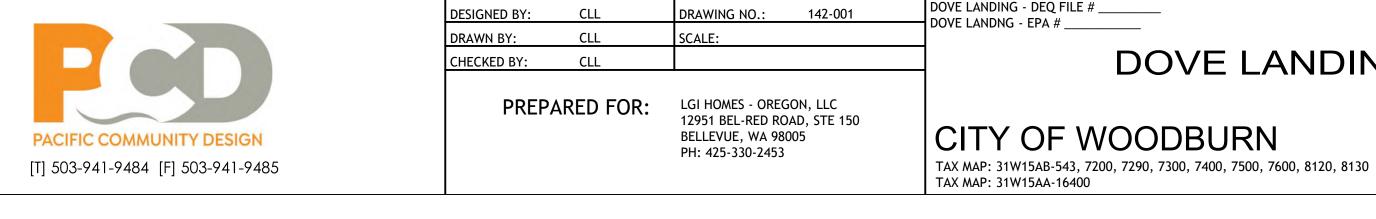
IF FUELING MUST BE PERFORMED ONSITE, DESIGNATE AREAS LOCATED AWAY FROM DRAINAGE COURSES TO PREVENT THE RUN

ALWAYS USE SECONDARY CONTAINMENT, SUCH AS A DRAIN PAN. WHEN FUELING TO CATCH SPILLS/ LEAKS.

POLIUTANT TYPE LIST

	ACTIVITY TYPE	POLLUTANT	VISUALLY OBSERVABL
SOIL	DISTURBANCE:		
	Clear & Grub	Sediment and organics	Cloudy to opaque
	Remove and Re-compact	Sediment	Cloudy to opaque
-	Fine Grading	Sediment	Cloudy to opaque
	Trenching	Sediment	Cloudy to opaque
	Stockpiling	Sediment	Cloudy to opaque
ASPI	HALT:		
	Street Construction	Hydracarbons	Oily sheen
_	Street Improvements	Hydracarbons	Oily sheen
	Street Demolition	Hydracarbons	Oily sheen
ON	ICRETE LADEN LIQUID:	Tiyutacarbons	Ony sheen
	Curb & Gutter	рН	Cloudy to Milky
	Sidewalks/Walkways	рН	Cloudy to Milky
	Foundations	рН	Cloudy to Milky
	Driveways	рн	Cloudy to Milky
	Medians	pH	Cloudy to Milky
	Stuccoing	рН	Cloudy to Milky
_	Grouting	pH	Cloudy to Milky
	Washouts/Clean up	рН	Cloudy to Milky
EN	ERAL:		
	Framing	Sawdust	Yes
	Painting	Paint (when wet)	Yes
	Dry Walling	Gypsum/Joint Compound	Yes
_	Tiling	Ceramic dust	Yes
	Cabinet Building/Installing	Sawdust	Yes
	Plumbing	PVC Glue (when wet)/Plastic	Yes
_	Wiring/Electrical Utilities	Copper/Plastic/Metals	Yes
	Heating/Air Conditioning	Sheet metal/fiberglass wool	Yes
	Landscaping	Containers/Mulch/soil	Yes
	Sanitary Waste	Bacteria	Yes
	· · · · · · · · · · · · · · · · · · ·	EQUIPMENT TYPE	
	Backhoe loader(s)		
_	Water truck(s)		
	Scraper(s)		
	Loader(s)		
	Bull dozer(s)		
	Motor-Grader		
	Fork & Rough-terrain lifts (Pet	tibone)	
	Generator(s)		
	Concrete boom pumps		
	Concrete pumps		
	Asphalt planer / grinder		
	Asphalt paving machine		
	Excavator(s)		
	Dump trucks (10-wheel)		
		rrailer	
-	Belly/Bottom dumps (tractor/t	laner)	
	Tractor: skip loader		
-	Skid steer loaders (Bobcat)		
	Concrete delivery trucks		
	Compaction equipment		
	Street striping equipment		
	Building material delivery truc	ks	
		ks	
	Building material delivery truc	ks	
	Building material delivery truc Personal cars and light trucks	ks	
	Building material delivery truc Personal cars and light trucks Waste hauling trucks	ks	

POLLUTANT TYPES ON SITE TO BE MARKED OFF BY CONTRACTOR AND EROSION CONTROL INSPECTOR BASED ON WHAT IS PRESENT ON SITE



Other

GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

- SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF THE FOLLOWING MIXTURE, UNLESS OTHERWISE AUTHORIZED:
- A. DWARF GRASS MIX (MIN. 100 LB./AC.) 1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
- 2. CREEPING RED FESCUE (20% BY WEIGHT)
- 2. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
- TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL STRAW MULCHING.
- 4. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
- AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
- 6. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT. TIRE WASH IS REQUIRED.
- 7. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
- 8. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
- 9. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
- 10. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
- 11. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.
- 12. USE BMPS SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
- 13. COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.

GENERAL NOTES

- 1. THESE EROSION AND SEDIMENT CONTROL PLANS ASSUME "WET WEATHER" CONSTRUCTION MEASURES THAT NEED TO BE APPLIED BETWEEN OCTOBER 1ST AND MAY 31ST.
- 2. ALL STRUCTURAL FILL SHALL EXTEND A MINIMUM OF 3-FEET BEYOND THE FILL AREA.

EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION:

- 1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 2. ALL "SEDIMENT BARRIERS (TO BE INSTALLED AFTER GRADING)" SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
- 3. LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING MATTING" SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
- 4. THE STORM WATER SWALES SHALL BE CONSTRUCTED AND LANDSCAPED OR HAVE SEEDING ESTABLISHED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
- 5. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.
- 6. SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR THIRTY (30) DAYS OR MORE, THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD. (SCH A.8.A.)
- 7. SHOULD CONSTRUCTION ACTIVITIES CEASE FOR FIFTEEN (15) DAYS OR MORE ON ANY SIGNIFICANT PORTION OF A CONSTRUCTION SITE, TEMPORARY STABILIZATION IS REQUIRED FOR THAT PORTION OF THE SITE WITH STRAW, COMPOST, OR OTHER TACKIFIED COVERING THAT WILL PREVENT SOIL OR WIND EROSION UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SCH A.8.B.)

DATE: 8/31/2021 JOB NUMBER DOVE LANDING 84963PE 142-001 Kary Laer SHEET OREGON EC1.1 EXPIRES: 12-31-22

EROSION AND SEDIMENT CONTROL PLAN NARRATIVE:

1. PERMIT REGISTRATION INFORMATION

DATE: 10/11/2021 PROJECT NAME: DOVE LANDING ESCP PREPARED BY: CRAIG LARSON, P.E. COMPANY NAME: PACIFIC COMMUNITY DESIGN EMAIL ADDRESS: CRAIG@PACIFIC-COMMUNITY.COM

2. OREGON PROFESSIONAL CERTIFICATION INFORAMTION

IS YOUR EROSION AND SEDIMENT CONTROL PLAN (ESCP) FOR AN ACTIVITY THAT COVERS 20 ACRES OR MORE OF DISTURBED LAND (SECTION 4.1)?

YES NO

DOES YOUR EROSION AND SEDIMENT CONTROL PLAN REQUIRE ENGINEERED FACILITIES SUCH AS SETTLING BASINS AND/OR DIVERSION STRUCTURES (SECTIONS 2.2.17 AND 2.2.18)?

🗌 YES 🗖 NO

IF YOU ANSWERED "YES" TO QUESTION #1, THE ESCP MUST BE PREPARED AND STAMPED BY AN OREGON REGISTERED PROFESSIONAL ENGINEER, OREGON REGISTERED LANDSCAPE ARCHITECT, OREGON CERTIFIED ENGINEERING GEOLOGIST, OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (SOIL AND WATER CONSERVATION SOCIETY). IF YOU ANSWERED "YES" TO QUESTION #2, THE ESCP MUST BE PREPARED AND STAMPED BY AN OREGON REGISTERED PROFESSIONAL ENGINEER.

INSPECTOR QUALIFICATION INFORMATION

PROVIDE THE FOLLOWING INFORMATION ON THE VISUAL MONITORING INSPECTOR. THIS IS A PERSON THAT WORKS FOR THE APPLICANT AND NOT A GOVERNMENT EMPLOYEE. UPON DESIGNATING THE INSPECTOR(S), SUBMIT TO DEQ OR AGENT THEIR NAME(S), AND CONTACT INFORMATION. ALL DESIGNATED VISUAL MONITORING INSPECTORS MUST BE QUALIFIED THROUGH CERTIFICATION IN EROSION AND SEDIMENT CONTROL. (NPDES 1200-C PERMIT SECTION 6.1).

DEO APRROVED CERTIFICATION (SECTION 6.1.1-5):

- A: CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC)
- B: CERTIFIED PROFESSIONAL IN STORM WATER QUALITY (CPSWQ) C: CERTIFIED INSPECTOR OF SEDIMENT AND EROSION CONTROL (CISEC)
- D: WASHINGTON DEPARTMENT OF ECOLOGY'S CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) CERTIFICATION

E: ROGUE VALLEY SEWER SERVICES EROSION AND SEDIMENT CONTROL CERTIFICATION

CERTIFIED VISUAL MONITORING INSPECTOR

NAME: BRIAN SCHAAD ADDRESS: 12564 SW MAIN ST. TIGARD, OR 97223

TELEPHONE: 503-941-9484 EMAIL: BRIAN@PACIFIC-COMMUNITY.COM

CERTIFICATION PROGRAM AND NUMBER: CESCL #81894

EXPIRATION DATE: 9/11/2022

4. ENVIRONMENTAL MANAGEMENT PLAN

WILL CONTAMINATED SOILS, CONTAMINATED GROUNDWATER, OR HAZARDOUS MATERIALS BE OR HAVE THE POTENTIAL TO BE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES?

YES NO

IS AN ACTIVE TREATMENT SYSTEM (E.G. ELECTRO-COAGULATION, FLOCCULANTS, FILTRATION, POLYMERS, HYDROCHLORIC OR SULFURIC ACID) FOR SEDIMENT, pH NEUTRALIZATION, OR OTHER POLLUTANT REMOVAL PLANNED OR TO BE IMPLEMENTED AT THE PROJECT SITE?

YES NO

5. NARRATIVE SITE DESCRIPTION

A. DESCRIBE THE NATURE OF THE CONSTRUCTION ACTIVITY AND THE FINAL USE OF THE SITE, THAT IS, WHAT WILL THE SITE BE USED FOR AT THE COMPLETION OF THE CONSTRUCTION. (SECTION 4.4.E):

DOVE LANDING INCLUDES PUBLIC INFRASTRUCTURE FOR 171 SINGLE FAMILY RESIDENTIAL LOTS. CONSTRUCTION TO INCLUDE STREET PAVING, STORM DRAIN, SANITARY, AND WATER UTILITIES.

B. DESCRIBE THE ORIGIN AND NATURE OF FILL MATERIAL TO BE USED AND SOILS PRIOR TO DISTURBANCE. (SECTION 4.4.E.IX):

ALL FILL MATERIAL SHALL BE NATIVE SOIL OR SHALL BE IMPORTED FROM AN OFF-SITE SOURCE AS APPROVED BY THE GEOTECHNICAL ENGINEER.

NATURAL BUFFER ZONE REQUIREMENTS FOR TMDL AND 303(D) LISTED WATERBODIES (SECTION 2.2.4.C) (SKIP IF NOT APPLICABLE).

IF THERE IS POTENTIAL FOR THE DIRECT DISCHARGE OF STORMWATER TO A PORTION OF A WATERBODY THAT IS LISTED FOR TURBIDITY OR SEDIMENTATION OR THAT HAS AN ESTABLISHED TOTAL MAXIMUM DAILY LOAD (TMDL) FOR SEDIMENTATION OR TURBIDITY FROM THE CONSTRUCTION SITE, THEN THE BUFFER WIDTH LISTED BELOW MUST BE IMPLEMENTED. WHEN THE DISCHARGE ENTERS AN IMPAIRED WATERSHED UNIT, THE LISTING WILL ONLY BE APPLIED IF THERE IS A HYDROLOGIC CONNECTION BETWEEN THE RECEIVING WATER AND ASSESSMENT WATER BODY CAUSING THE IMPAIRMENT. THE REGISTRANT MUST MAINTAIN ESTABLISHED VEGETATED BUFFERS THAT ARE SIZED AT 50 FEET (HORIZONTALLY) PLUS AN ADDITIONAL 25 FEET (HORIZONTALLY) PER FIVE DEGREES OF SLOPE, OR PROPOSE CONTROL MEASURES OF EQUAL EFFECTIVENESS TO DEQ OR AGENT FOR APPROVAL, AND PROVIDE RATIONALE FOR CHOOSING THE SELECTED BMPS.

THE REGISTRANT WILL IMPLEMENT THE FOLLOWING BMP(S) TO CONTROL AND TREAT SEDIEMNT AND TURBIDITY: I. ESTABLISHED VEGETATED BUFFERS SIZED AT 50 FEET PERPENDICULAR TO THE SLOPE PLUS AN ADDITIONAL 25 FEET PERPENDICULAR TO THE SLOPE PER 5 DEGREES OF SLOPE FULL WIDTH OF THE DISTURBED AREA. II. OTHER SUBSTANTIALLY EQUIVALENT SEDIMENT OR TURBIDITY ONLY IF APPROVED BY DEQ OR AGENT.

BMP	RATIONALE
NOT APPLICABLE	

REVISIONS:

7. NATURAL BUFFER ZONE (SEE SECTION 2.2.4 AND APPENDIX B)

A. IF WATERS OF THE STATE IS WITHIN THE PROJECT SITE OR WITHIN 50 FEET OF THE PROJECT BOUNDARY, AND A NATURAL BUFFER EXISTS WITHIN 50 FEET OF THE WATER OF THE STATE. THE ESCP MUST DELINEATE AND PROTECT THIS AREA WITH ORANGE FENCING OR FLAGGING (OR EQUIVALENT MEANS-SECTION 2.2.1.B) AND MAINTAIN EXISTING BUFFER UNTIL COMPLETION OF PROJECT. ALL DISCHARGE MUST BE FILTERED PRIOR TO ENTERING THE NATURAL BUFFER TO AVOID SEDIMENT BUILD UP. IF SCOUR IS AN ISSUE, AN ENERGY DISSIPATER MAY NEED TO BE INSTALLED.

NATURAL BUFFER MEANS, FOR THE PURPOSES OF THIS PERMIT, AN AREA OF UNDISTURBED NATURAL VEGETATION, EXPOSED ROCK, AND BARREN GROUND THAT EXISTED PRIOR TO COMMENCEMENT OF EARTH-DISTURBING ACTIVITIES.

B. IF PROJECT WILL REDUCE NATURAL BUFFER ZONE UNDER 50 FEET OF WATERS OF THE STATE, THE ESCP MUST INCLUDE ONE OR MORE OF THE FOLLOWING BMPS TO CONTROL AND TREAT SEDIMENT AND TURBIDITY PER THE REQUIREMENTS OF APPENDIX B. LIST THE BMP(S) TO BE IMPLEMENTED IN THE NATURAL BUFFER ZONE BELOW:

C. THE NATURAL BUFFER ZONE REQUIREMENTS DO NOT APPLY IF (SEE APPENDIX B.1.2): I. NO NATURAL BUFFER EXISTS DUE TO PREEXISTING DEVELOPMENT DISTURBANCES THAT OCCURRED PRIOR TO THE INITIATION OF PLANNING FOR THE CURRENT PROJECT; OR II. THERE IS NO DISCHARGE OF STORMWATER TO THE WATER OF THE STATE THROUGH THE AREA BETWEEN THE DISTURBED PORTIONS OF THE SITE AND THE SURFACE WATER LOCATED WITHING THE PROJECT SITE OR WITHIN 50 FEET OF THE SITE. THIS INCLUDES SITUATIONS WHERE THE PERMIT REGISTRANT HAS IMPLEMENTED CONTROL MEASURES, SUCH AS A BERM OR OTHER BARRIER, THAT WILL PREVENT SUCH DISCHARGES; OR III. CONSTRUCTION IS FOR A WATER-DEPENDENT STRUCTURE OR WATER ACCESS AREAS (FOR EXAMPLE, PIER, BOAT RAMP, OR TRAIL).

BMP	RATIONALE

8. ARE ENGINEERED SOILS TO BE USED ON SITE? (SEE SECTION 2.2.18) YES NO

EROSION AND SEDIMENT CONTROL PLAN STANDARD NOTES:

- (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.C.II) 2.
- (SECTION 6.5) 4.
- THE LOCAL MUNICIPALITY. (SECTION 4.7)
- THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8) 6. 7.
- FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2) CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT

- USED. (SECTION 2.2.5) (SECTION 2.2.4)
- 13. BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3)
- 14. DOWNSTREAM CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1 AND 2.2.16)
- 15. 2.2.13)
- WORK. (SECTION 2.2.14)
- 17. 2.2.20 AND 2.2.21)
- 18. 19. POLLUTANTS (E.G., SECONDARY CONTAINMENT). (SECTION 2.3.7)
- (SECTION 2.2.7.F) 22.
- 23. (SECTION 2.2.10)
- (SECTION 2.2.12)

EROSION AND SEDIMENT CONTROL

> **EROSION & SEDIMENT CONTROL NOTES**

INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (E.G., ESCP DEVELOPER, BMP INSTALLER

VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.

INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.Q) RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR

THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11)

SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SECTION 4.9)

SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS

STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)

IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND

OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SECTION 2.2.1) PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS

WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX

MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE.

INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT

CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND

CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SECTIONS 2.2.6 AND

16. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE

APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. (SECTIONS

ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7) KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF

20. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPS MUST BE IN PLACE PRIOR TO LAND- DISTURBING ACTIVITIES. (SECTION 2.2.7) WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE.

CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9) ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED.

PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED.

EROSION AND SEDIMENT CONTROL PLAN STANDARD NOTES:

- 25. USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3)
- 26. PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.A) 27. IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE
- SECTIONS 2.2.17 AND 2.2.18) 28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED
- GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4) 29. IMPLEMENT THE FOLLOWING BMPS WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES. EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES,
- REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SECTION 2.3) 30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
- THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)
- 22 IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
- TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS. IF NEEDED. THE 33. REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SECTION 2.2)
- 34. AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED. OR OTHER BMPS MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SECTION 2.2.8)
- 35. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SECTION 2.1.5.B)
- OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SECTION 2.1.5.C)
- 37. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SECTION 2.1.5.D)
- 38. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIMEFRAME. (SECTION 2.2.19.A)
- 39. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)
- 40. DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.F.)
- PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 41. 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.20)
- DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF 42. EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. (SECTION 2.2.21)

LOCAL AGENCY-SPECIFIC EROSION CONTROL NOTES:

- 1. IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1; AND
- PERCENTAGES OF SEED IN THE MIX MUST BE IDENTIFIED ON THE PLANS.
- 2. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP I.E. (FILTER BAG) 3. ALL EXPOSED SOILS MUST BE COVERED DURING THE WET WEATHER PERIOD, OCTOBER 01 - MAY 31.

PRE-CONSTRUCTION, CLEARING AND DEMOLITION NOTES:

- 1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS CONSTRUCTED OUT OF MULCH, CHIPPINGS, OR OTHER SUITABLE MATERIAL, STRAW WATTLES, OR OTHER APPROVED MATERIALS.
- SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION **BARRIFR**
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE 4. DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.

GRADING. STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

- SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
- A. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES. SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX. B. DWARF GRASS MIX (MIN. 100 LB./AC.)
- 1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
- 2. CREEPING RED FESCUE (20% BY WEIGHT) C. STANDARD HEIGHT GRASS MIX (MIN. 100 LB./AC.)
- 1. ANNUAL RYEGRASS (40% BY WEIGHT)
- TURF-TYPE FESCUE (60% BY WEIGHT)
- SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND
- REDUCES RUN-OFF VELOCITY. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER
- VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
- DOVE LANDING DEQ FILE # CLL DRAWING NO.: 142-001 DESIGNED BY: DOVE LANDNG - EPA # ___ CLL SCALE: DRAWN BY: CLL CHECKED BY: PREPARED FOR: LGI HOMES - OREGON, LLC 12951 BEL-RED ROAD, STE 150 CITY OF WOODBURN BELLEVUE, WA 98005 PACIFIC COMMUNITY DESIGN PH: 425-330-2453 TAX MAP: 31W15AB-543, 7200, 7290, 7300, 7400, 7500, 7600, 8120, 8130 [T] 503-941-9484 [F] 503-941-9485 TAX MAP: 31W15AA-16400

- STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
- EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
- AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NFFDFD.
- 10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER. 11. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT
- PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
- SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH. 13. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.
- 14. USE BMPS SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
- 15. COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.

EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION

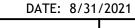
- 1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 2. ALL "SEDIMENT BARRIERS (TO BE INSTALLED AFTER GRADING)" SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
- 3. LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING MATTING" SHALL BE IN PLACE OVER ALL EXPOSED SOILS AND IMMEDIATELY AFTER GRADING IS COMPLETE.
- 4. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
- 5. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.

AUTHORIZED NON-STORMWATER DISCHARGES THAT WILL OR MAY OCCUR

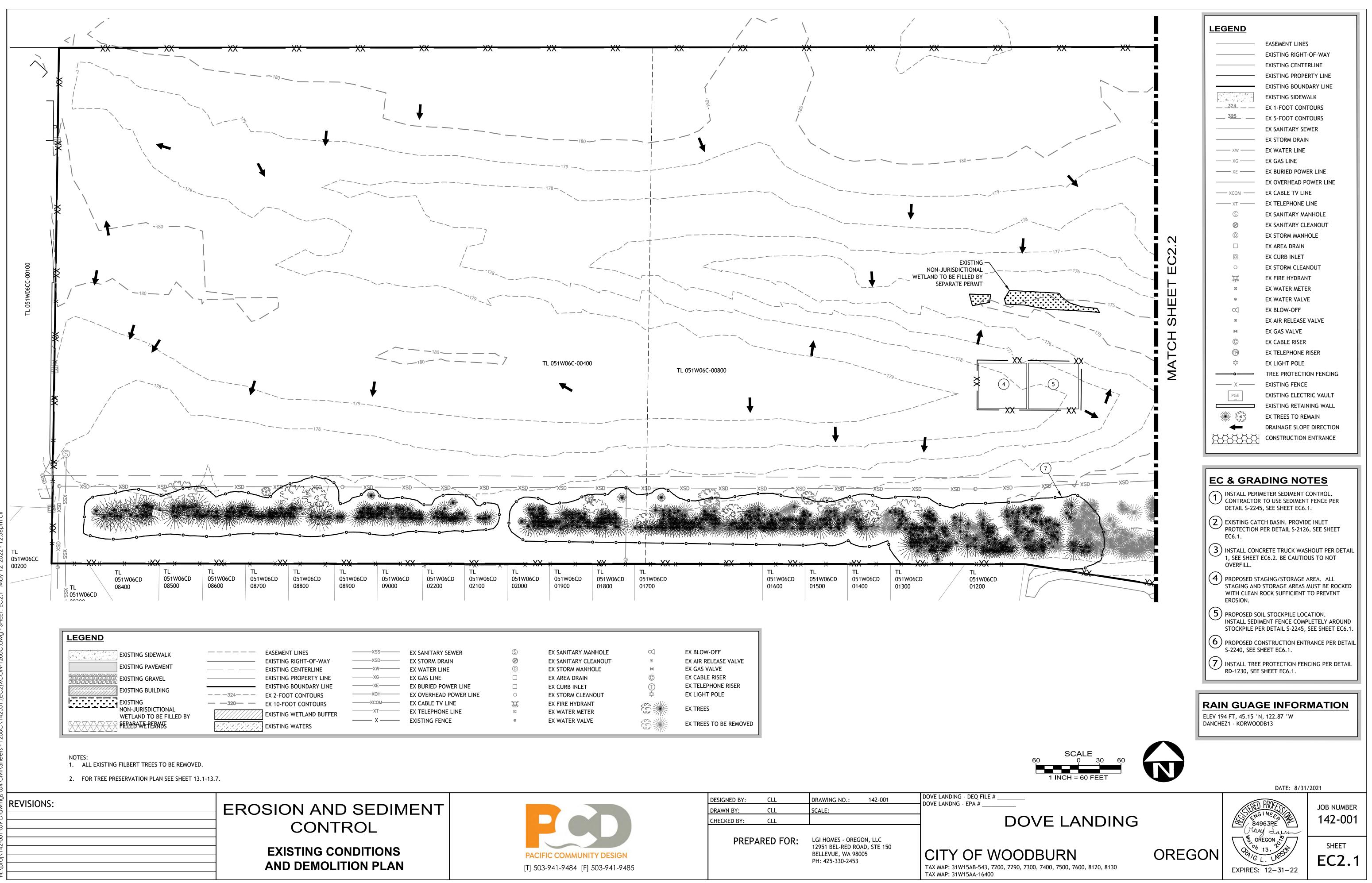
THE FOLLOWING NON-STORMWATER DISCHARGES FROM CONSTRUCTION ARE AUTHORIZED IF THE TERMS AND CONDITIONS OF THIS PERMIT ARE MET, ALL NECESSARY CONTROLS ARE IMPLEMENTED TO MINIMIZE SEDIMENT TRANSPORT, THE DISCHARGE IS NOT A SIGNIFICANT SOURCE OF POLLUTANTS AND NOT CONTAMINATED, AND THE DISCHARGE IS NOT PROHIBITED BY LOCAL ORDINANCE:

- A. WATER AND ASSOCIATED DISCHARGES FROM EMERGENCY FIREFIGHTING ACTIVITIES;
- B. FIRE HYDRANT FLUSHING; PROPERLY MANAGED LANDSCAPE IRRIGATION;
- WATER USED TO WASH EQUIPMENT AND VEHICLES (EXCLUDING THE ENGINE, UNDERCARRIAGE, AND WHEELS/TIRES) PROVIDED THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, OR DETERGENTS USED;
- WATER USED TO CONTROL DUST;
- F. POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS;
- G. EXTERNAL BUILDING WASHDOWN, PROVIDED SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED, AND EXTERNAL SURFACES DO NOT CONTAIN HAZARDOUS SUBSTANCES:
- H. PAVEMENT WASH WATERS, PROVIDED SPILLS OR LEAKS OF TOXIC OR HAZARDOUS HAVE NOT OCCURRED (UNLESS ALL SPILL MATERIAL HAS BEEN REMOVED) AND WHERE SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED. DIRECTING PAVEMENT WASH WATERS INTO ANY SURFACE WATER, STORM DRAIN INLET, OR STORMWATER CONVEYANCE IS PROHIBITED, UNLESS THE CONVEYANCE IS CONNECTED TO A SEDIMENT BASIN, SEDIMENT TRAP, OR SIMILARLY EFFECTIVE CONTROL FOR THE POLLUTANTS PRESENT;
- UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE:
- UNCONTAMINATED, NON-TURBID DISCHARGES OF GROUNDWATER OR SPRING WATER; FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS OR CONTAMINATED GROUNDWAER; AND
- CONSTRUCTION DEWATERING ACTIVITIES (INCLUDING GROUNDWATER DEWATERING AND WELL DRILLING DISCHARGE ASSOCIATED WITH THE REGISTERED CONSTRUCTION ACTIVITY), PROVIDE THAT: a) THE WATER IS LAND APPLIED IN A WAY THAT RESULTS IN COMPLETE INFILTRATION WITH NO POTENTIAL TO DISCHARGE TO A SURFACE WATER OF THE STATE. OR THE USE OF A SANITARY OR COMBINED SEWER DISCHARGE
- IS AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL; OR b) BEST MANAGEMENT PRACTICES AND A TREATMENT SYSTEM APPROVED BY DEQ OR AGENT (SEE SECTION 1.2.9) ARE USED TO ENSURE COMPLIANCE WITH DISCHARGE AND WATER QUALITY REQUIREMENTS IN SECTION 2.4.









	DESIGNED BY:	CLL	DRAWING NO.:	142-001	DOVE LANDING - DEQ FILE # DOVE LANDNG - EPA #
	DRAWN BY:	CLL	SCALE:		
	CHECKED BY:	CLL			
PACIFIC COMMUNITY DESIGN [T] 503-941-9484 [F] 503-941-9485	PREP	ARED FOR:	LGI HOMES - ORE 12951 BEL-RED R BELLEVUE, WA 98 PH: 425-330-2453	OAD, STE 150 8005	CITY OF WOOD TAX MAP: 31W15AB-543, 7200, 7290, 7300 TAX MAP: 31W15AA-16400

 $\overline{}$

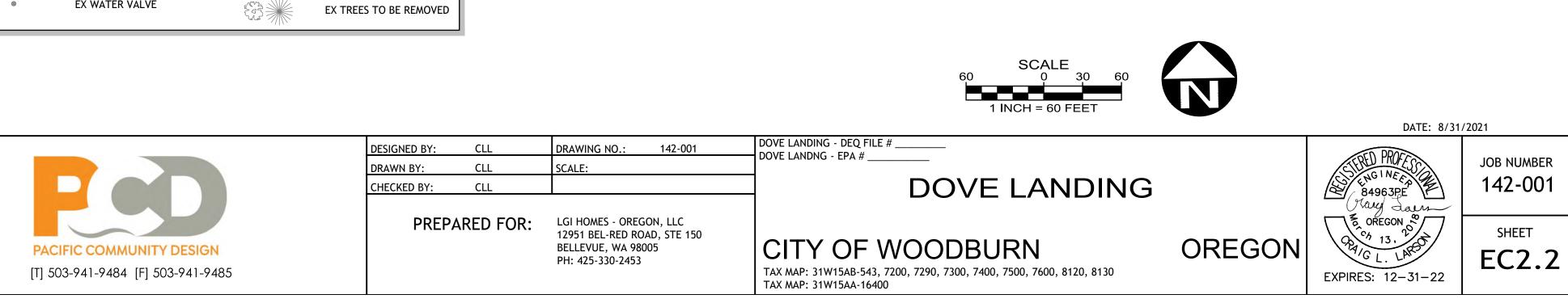
LEGEND

NOTES: 1. ALL EXISTING FILBERT TREES TO BE REMOVED.

2. FOR TREE PRESERVATION PLAN SEE SHEET 13.1-13.7.

REVISIONS:	EROSION AND SEDIMENT
	CONTROL
	EXISTING CONDITIONS AND DEMOLITION PLAN
	I

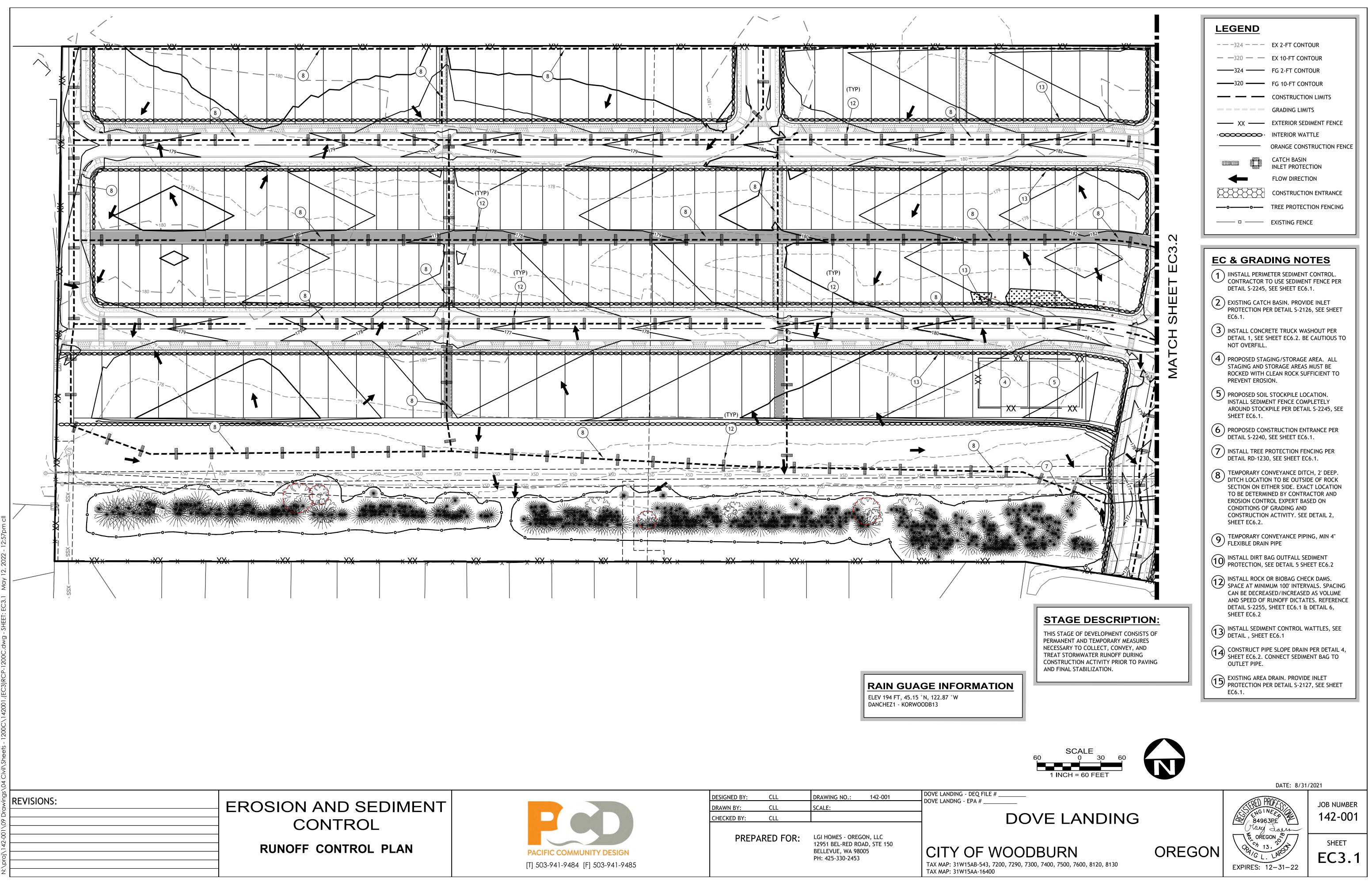


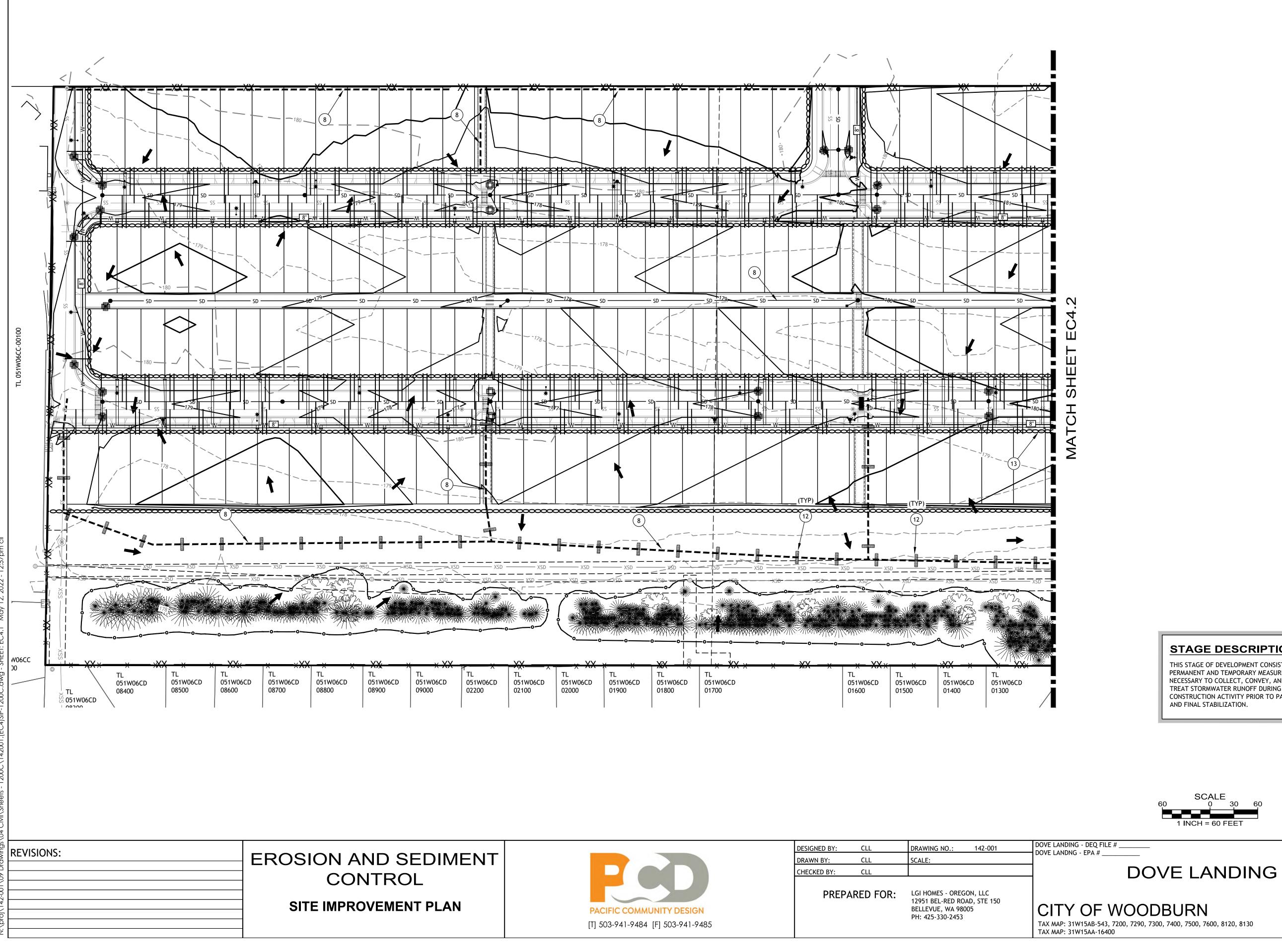


EASEMENT LINESEXISTING RIGHT-OF-WAYEXISTING CENTERLINEEXISTING PROPERTY LINEEXISTING BOUNDARY LINEEXISTING SIDEWALKImage: Sidewalk	LEGEND	
EXISTING CENTERLINE EXISTING PROPERTY LINE EXISTING BOUNDARY LINE EXISTING SIDEWALK 324 EXISTING SIDEWALK Size EXISTING SIDEWALK Size EXISTING SIDEWALK Size EXISTING SIDEWALK Size EXISTING SIDEWALK EXISTING SIDEWALK Size EXISTING SIDEWALK EXISTING SIDEWALK EXISTING SIDEWALK EXISTING SIDEWALK Size EXISTING SIDEWALK EXISTING CONTOURS EXISTING CONTONER EXISTING CELECTION EXISTING CELECTION FENCING EXISTING FENCE EXISTING FENCE EXISTING RETAINING WALLI EXIS		EASEMENT LINES
EXISTING PROPERTY LINE EXISTING BOUNDARY LINE EXISTING SIDEWALK Image: String Sidewalk <th></th> <th>EXISTING RIGHT-OF-WAY</th>		EXISTING RIGHT-OF-WAY
EXISTING BOUNDARY LINE EXISTING SIDEWALK EXISTING SIDEWALK S25 EXISTING SIDEWALK XW EXISTING POWER LINE XE EX COVERHEAD POWER LINE XI EXISTING Y CLEANOUT ID EXISTING Y CLEANO		EXISTING CENTERLINE
EXISTING SIDEWALK324EXISTING SIDEWALK325EXISTING SIDEWALKS25EXISTING SIDEWALKEXISTING SIDEWALKEXISTING SIDEWALKS25EXISTING SIDEWALKEXISTING SIDEWALKEXISTING SIDEWALKS25EXISTING SIDEWALKXWEXISTING SIDEWALKXWEXISTING SIDEWALKXWEXISTING SIDEWALKXWEXISTING SIDEWALKXGEXISTING SIDEWALKXGEXISTING SIDEWALKXEEXISTING SIDEWALKXIEXISTING SIDEWALKXIEXISTING SIDEWALKXIEXISTING SIDEWALKXIEXISTING SIDEWALKXIEXISTING SIDEWALKXIXIEXISTING SIDEWALKXIXIXIEXISTING FENCEYIYIYIXIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		EXISTING PROPERTY LINE
		EXISTING BOUNDARY LINE
325 EX 5-FOOT CONTOURS EX SANITARY SEWER EX STORM DRAIN XW EX GAS LINE XG EX GAS LINE XE EX BURIED POWER LINE EX COVERHEAD POWER LINE EX COM EX CABLE TV LINE XT EX CABLE TV ALINE XT EX STORM MANHOLE XT EX STORM MANHOLE XT EX STORM CLEANOUT XT EX STORM CLEANOUT XT EX STORM CLEANOUT XT EX GAS VALVE XT EX GAS VALVE XT EX CABLE RISER <t< th=""><th></th><th>EXISTING SIDEWALK</th></t<>		EXISTING SIDEWALK
EX SANITARY SEWER EX SANITARY SEWER EX STORM DRAIN XW EX WATER LINE XG EX GAS LINE XE EX BURIED POWER LINE XE EX OVERHEAD POWER LINE XCOM EX CABLE TV LINE XT EX TELEPHONE LINE S EX SANITARY MANHOLE Ø EX SANITARY CLEANOUT Image: Stress Stres	<u> </u>	EX 1-FOOT CONTOURS
	3 <u>25</u>	EX 5-FOOT CONTOURS
XWEX WATER LINEXGEX GAS LINEXEEX BURIED POWER LINEXEEX OVERHEAD POWER LINEXCOMEX CABLE TV LINEXTEX CABLE TV LINEXTEX TELEPHONE LINESEX SANITARY MANHOLESEX SANITARY CLEANOUTOEX STORM MANHOLEEX STORM MANHOLEEX STORM MANHOLEEX EX CURB INLETEX STORM CLEANOUTEX EX FIRE HYDRANTEX FIRE HYDRANTEX EX WATER METEREX WATER METEREX BLOW-OFFEX AIR RELEASE VALVEEX GAS VALVEEX GAS VALVEEX CABLE RISEREX CABLE RISERFEX LIGHT POLETREE PROTECTION FENCINGEXISTING FENCEPGEEXISTING FENCEFGEEXISTING RETAINING WALLEX TREES TO REMAINDRAINAGE SLOPE DIRECTION		EX SANITARY SEWER
XG EX GAS LINE XE EX BURIED POWER LINE EX OVERHEAD POWER LINE EX COM EX CABLE TV LINE XT EX TELEPHONE LINE S EX SANITARY MANHOLE Ø EX SANITARY CLEANOUT Ø EX STORM MANHOLE Ø EX STORM CLEANOUT Ø EX STOR		EX STORM DRAIN
XE EX BURIED POWER LINE EX COM EX CABLE TV LINE XT EX CABLE TV LINE S EX SANITARY MANHOLE © EX SANITARY CLEANOUT © EX STORM MANHOLE O EX STORM CLEANOUT O EX STORM CLEANOUT XX EX FIRE HYDRANT XX EX BLOW-OFF Image: EX CABLE RISER EX CABLE RISER Image: EX LIGHT POLE Image: EX LIGHT POLE Image: EX STING FENCE EXISTING FENCE Image: EX STING FENCE EXISTING RETAINING WALL Image: EX STING RETAINING WALL EX TREES TO REMAIN	XW	EX WATER LINE
EX OVERHEAD POWER LINE XCOM EX CABLE TV LINE XT EX TELEPHONE LINE S EX SANITARY MANHOLE Ø EX SANITARY CLEANOUT Ø EX SANITARY CLEANOUT Ø EX SANITARY CLEANOUT Ø EX STORM MANHOLE Image: Ex Storm Manhole Image: Ex Storm Manhole Image: Ex Storm CLEANOUT Image: Ex Storm CLEANOUT Image: Image: Ex Storm CLEANOUT Image: Ex CABLE RISER Image: Image: Image: Ex CLICHT POLE Image: Ex Storm Fencing Image: Image: Image: Ex Storm Fencing Image: Ex Storm Fencing Image: Image	——————————————————————————————————————	EX GAS LINE
	XE	EX BURIED POWER LINE
XT EX TELEPHONE LINE S EX SANITARY MANHOLE Ø EX SANITARY CLEANOUT ID EX STORM MANHOLE ID EX STORM MANHOLE ID EX CURB INLET ID EX STORM CLEANOUT ID EX CURB INLET ID EX STORM CLEANOUT ID EX WATER METER ID EX WATER VALVE ID EX AIR RELEASE VALVE ID EX GAS VALVE ID EX CABLE RISER ID EX CABLE RISER ID EX ILIGHT POLE ID EXISTING FENCE IDE EXISTING RETAINING WALL ID EXISTING RETAINING WALL ID EXISTING ELECTRIC VAULT ID EXISTING RETAINING WALL <t< th=""><th></th><th>EX OVERHEAD POWER LINE</th></t<>		EX OVERHEAD POWER LINE
S EX SANITARY MANHOLE Ø EX SANITARY CLEANOUT Ø EX STORM MANHOLE □ EX AREA DRAIN Ø EX CURB INLET ○ EX STORM CLEANOUT Ø EX WATER METER Ø EX BLOW-OFF Ø EX AIR RELEASE VALVE Ø EX CABLE RISER Ø EX CABLE RISER Ø EX LIGHT POLE V EXISTING FENCE Ø EXISTING RETAINING WALL Ø EXISTING RETAINING WALL Ø EX TREES TO REMAIN Ø DRAINAGE SLOPE DIRECTION	— хсом —	EX CABLE TV LINE
 EX SANITARY CLEANOUT EX STORM MANHOLE EX AREA DRAIN EX AREA DRAIN EX CURB INLET EX STORM CLEANOUT EX GAS VALVE EX CABLE RISER EX CABLE RISER EX LIGHT POLE TREE PROTECTION FENCING X EXISTING FENCE EXISTING FENCE EXISTING RETAINING WALL EX TREES TO REMAIN DRAINAGE SLOPE DIRECTION 	—— ХТ ——	EX TELEPHONE LINE
 EX STORM MANHOLE EX AREA DRAIN EX CURB INLET EX CURB INLET EX STORM CLEANOUT EX STORM CLEANOUT EX FIRE HYDRANT EX WATER METER EX WATER METER EX WATER VALVE EX BLOW-OFF EX AIR RELEASE VALVE EX GAS VALVE EX CABLE RISER EX TELEPHONE RISER EX LIGHT POLE TREE PROTECTION FENCING X EXISTING FENCE EXISTING RETAINING WALL EX TREES TO REMAIN DRAINAGE SLOPE DIRECTION 	S	EX SANITARY MANHOLE
□ EX AREA DRAIN □ EX CURB INLET □ EX STORM CLEANOUT □ EX FIRE HYDRANT □ EX WATER METER □ EX WATER METER □ EX BLOW-OFF □ EX GAS VALVE □ EX CABLE RISER □ EX LIGHT POLE □ TREE PROTECTION FENCING ↓ EXISTING ELECTRIC VAULT ↓ EXISTING RETAINING WALL ↓ EX TREES TO REMAIN ↓ EX TREES TO REMAIN	Ø	EX SANITARY CLEANOUT
Image: Control of the control Image: Control of the control o	D	EX STORM MANHOLE
 EX STORM CLEANOUT EX FIRE HYDRANT EX WATER METER EX WATER VALVE EX BLOW-OFF EX AIR RELEASE VALVE EX GAS VALVE EX CABLE RISER EX TELEPHONE RISER EX LIGHT POLE TREE PROTECTION FENCING X EXISTING FENCE EXISTING FENCE EXISTING RETAINING WALL EX TREES TO REMAIN DRAINAGE SLOPE DIRECTION 		EX AREA DRAIN
Image: Section 2010EX FIRE HYDRANTImage: Section 2010EX FIRE HYDRANTImage: Section 2010EX WATER METERImage: Section 2010EX WATER VALVEImage: Section 2010EX BLOW-OFFImage: Section 2010EX AIR RELEASE VALVEImage: Section 2010EX GAS VALVEImage: Section 2010EX CABLE RISERImage: Section 2010EX CABLE RISERImage: Section 2010EX TELEPHONE RISERImage: Section 2010EXISTING FENCEImage: Section 2010EXISTING FENCEImage: Section 2010EX TREES TO REMAINImage: Section 2010Image: Section 2010Image: Section 2010Image: Section 2010	0	EX CURB INLET
Image: Sector of the secto	0	EX STORM CLEANOUT
 EX WATER VALVE EX BLOW-OFF EX AIR RELEASE VALVE EX GAS VALVE EX CABLE RISER EX TELEPHONE RISER EX LIGHT POLE TREE PROTECTION FENCING X EXISTING FENCE EXISTING RETAINING WALL EX TREES TO REMAIN DRAINAGE SLOPE DIRECTION 	X	EX FIRE HYDRANT
Image: Constraint of the second s		EX WATER METER
■ EX AIR RELEASE VALVE ▶ EX GAS VALVE © EX CABLE RISER ● EX TELEPHONE RISER ↓ EX LIGHT POLE ● TREE PROTECTION FENCING ↓ EXISTING FENCE ▶ EXISTING RETAINING WALL ▶ ● ▶ ● ▶ ● ▶ ● ■ EXISTING RETAINING WALL ▶ ● ● ● ● ● ● ● ● ●	8	EX WATER VALVE
 ► EX GAS VALVE C EX CABLE RISER ★ EX TELEPHONE RISER ★ EX LIGHT POLE TREE PROTECTION FENCING X EXISTING FENCE PGE EXISTING ELECTRIC VAULT EXISTING RETAINING WALL ★ EX TREES TO REMAIN ★ DRAINAGE SLOPE DIRECTION 	\propto	EX BLOW-OFF
© EX CABLE RISER Image: Ex TELEPHONE RISER Image: Ex LIGHT POLE Image: Image: Ex LIGHT POLE Image:	0	EX AIR RELEASE VALVE
Image: Book of the sector of the	м	EX GAS VALVE
Image: Constraint of the second state of the second sta	©	EX CABLE RISER
→ → TREE PROTECTION FENCING × EXISTING FENCE ▶ EXISTING ELECTRIC VAULT ▶ EXISTING RETAINING WALL ▶ € ▶ EX TREES TO REMAIN ▶ DRAINAGE SLOPE DIRECTION	®	EX TELEPHONE RISER
X EXISTING FENCE PGE EXISTING ELECTRIC VAULT EXISTING RETAINING WALL EXISTING RETAINING WALL EX TREES TO REMAIN DRAINAGE SLOPE DIRECTION	¢	EX LIGHT POLE
PGE EXISTING ELECTRIC VAULT EXISTING RETAINING WALL EXISTING RETAINING WALL EX TREES TO REMAIN DRAINAGE SLOPE DIRECTION		TREE PROTECTION FENCING
EXISTING RETAINING WALL EX TREES TO REMAIN CONTROL OF THE PARTY OF T	X	EXISTING FENCE
EX TREES TO REMAIN	PGE	EXISTING ELECTRIC VAULT
DRAINAGE SLOPE DIRECTION	\\// aPMA	EXISTING RETAINING WALL
	الله المراجع م	EX TREES TO REMAIN
	-	DRAINAGE SLOPE DIRECTION
	EEEEE	CONSTRUCTION ENTRANCE

EC & GRADING NOTES

1 INSTALL PERIMETER SEDIMENT CONTROL. CONTRACTOR TO USE SEDIMENT FENCE PER DETAIL S-2245, SEE SHEET EC6.1. 2 EXISTING CATCH BASIN. PROVIDE INLET PROTECTION PER DETAIL S-2126, SEE SHEET EC6.1. 3 INSTALL CONCRETE TRUCK WASHOUT PER DETAIL 1, SEE SHEET EC6.2. BE CAUTIOUS TO NOT OVERFILL. A PROPOSED STAGING/STORAGE AREA. ALL STAGING AND STORAGE AREAS MUST BE ROCKED WITH CLEAN ROCK SUFFICIENT TO PREVENT EROSION. 5 PROPOSED SOIL STOCKPILE LOCATION. INSTALL SEDIMENT FENCE COMPLETELY AROUND STOCKPILE PER DETAIL S-2245, SEE SHEET EC6.1. 6 PROPOSED CONSTRUCTION ENTRANCE PER DETAIL S-2240, SEE SHEET EC6.1. NINSTALL TREE PROTECTION FENCING PER DETAIL RD-1230, SEE SHEET EC6.1.

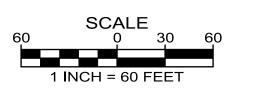


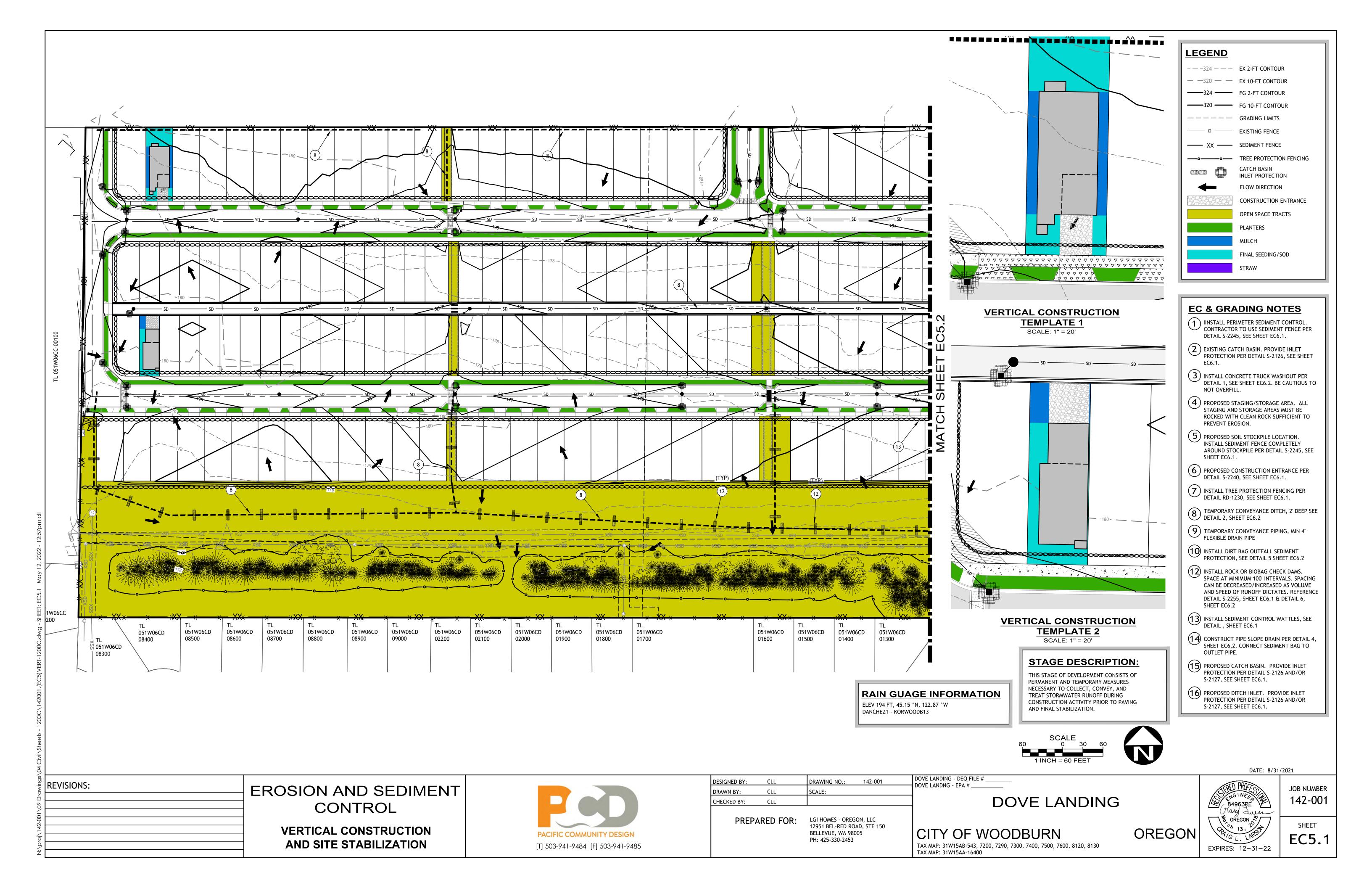


	LEGEND
	— — — 320 — — EX 10-FT CONTOUR
	GRADING LIMITS
	XX EXTERIOR SEDIMENT FENCE
	ORANGE CONSTRUCTION FENCE
	CATCH BASIN
	FLOW DIRECTION
	EXISTING FENCE
	EC & GRADING NOTES
	1 IINSTALL PERIMETER SEDIMENT CONTROL. CONTRACTOR TO USE SEDIMENT FENCE PER DETAIL S-2245, SEE SHEET EC6.1.
	2 EXISTING CATCH BASIN. PROVIDE INLET PROTECTION PER DETAIL S-2126, SEE SHEET EC6.1.
	3 INSTALL CONCRETE TRUCK WASHOUT PER DETAIL 1, SEE SHEET EC6.2. BE CAUTIOUS TO NOT OVERFILL.
	4 PROPOSED STAGING/STORAGE AREA. ALL STAGING AND STORAGE AREAS MUST BE ROCKED WITH CLEAN ROCK SUFFICIENT TO PREVENT EROSION.
	5 PROPOSED SOIL STOCKPILE LOCATION. INSTALL SEDIMENT FENCE COMPLETELY AROUND STOCKPILE PER DETAIL S-2245, SEE
	SHEET EC6.1. 6 PROPOSED CONSTRUCTION ENTRANCE PER DETAIL S-2240, SEE SHEET EC6.1.
	(7) INSTALL TREE PROTECTION FENCING PER DETAIL RD-1230, SEE SHEET EC6.1.
	8 TEMPORARY CONVEYANCE DITCH, 2' DEEP SEE DETAIL 2, SHEET EC6.2
	9 TEMPORARY CONVEYANCE PIPING, MIN 4" FLEXIBLE DRAIN PIPE
	10 INSTALL DIRT BAG OUTFALL SEDIMENT PROTECTION, SEE DETAIL 5 SHEET EC6.2
	(11) EXISTING CATCHBASIN. PROVIDE INLET PROTECTION PER DETAIL, SEE SHEET EC6.1.
	(12) INSTALL ROCK OR BIOBAG CHECK DAMS. SPACE AT MINIMUM 100' INTERVALS. SPACING CAN BE DECREASED/INCREASED AS VOLUME AND SPEED OF RUNOFF DICTATES. REFERENCE DETAIL S-2255, SHEET EC6.1 & DETAIL 6, SHEET EC6.2
	13 INSTALL SEDIMENT CONTROL WATTLES, SEE DETAIL 3, SHEET EC6.1
	(14) CONSTRUCT PIPE SLOPE DRAIN PER DETAIL 4, SHEET EC6.2. CONNECT SEDIMENT BAG TO OUTLET PIPE.
	PROPOSED CATCH BASIN. PROVIDE INLET PROTECTION PER DETAIL S-2126 AND/OR S-2127, SEE SHEET EC6.1.
	16 PROPOSED DITCH INLET. PROVIDE INLET PROTECTION PER DETAIL S-2126 AND/OR S-2127, SEE SHEET EC6.1.
-	
	RAIN GUAGE INFORMATION
\sim	ELEV 194 FT, 45.15 °N, 122.87 °W
	DANCHEZ1 - KORWOODB13
	DATE: 8/31/2021
	JOB NUMBE
	142-00
	Mary Jain
_	G OREGON SHEET
OREG	$DN \qquad \qquad EC4. \qquad EC4.$
	EXPIRES: 12-31-22

STAGE DESCRIPTIO

THIS STAGE OF DEVELOPMENT CONSISTS C PERMANENT AND TEMPORARY MEASURES NECESSARY TO COLLECT, CONVEY, AND TREAT STORMWATER RUNOFF DURING CONSTRUCTION ACTIVITY PRIOR TO PAVIN AND FINAL STABILIZATION.

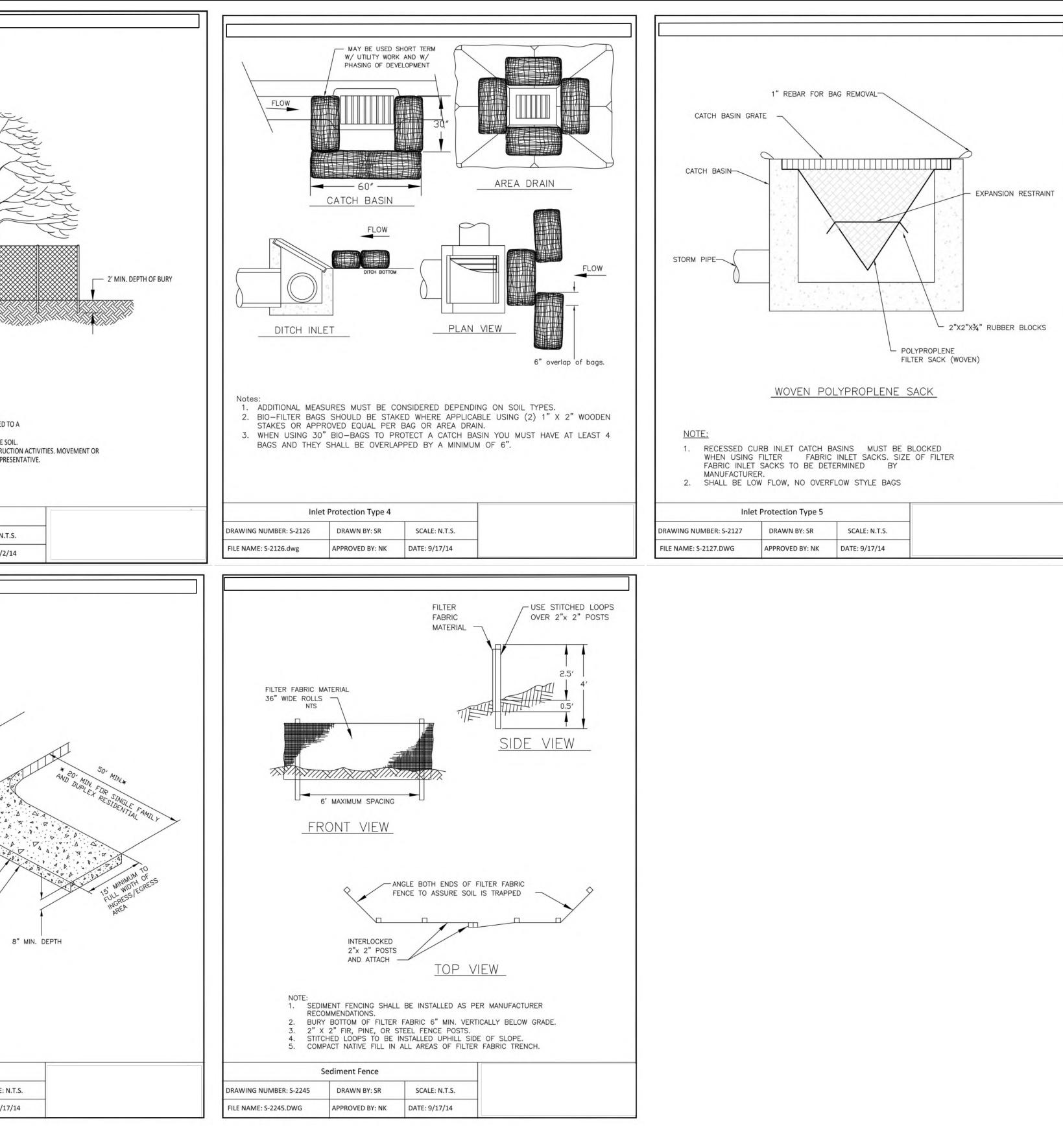




		10
	3.	S
DRIP LINE		K
		~
	- Li	Y
	- Ja	F
		5/
		XXXII
6'		
YNYNYNY.		
~VXV	NY N	.N
NOTES		
NOTES: 1. FENCE SHALL BE 6' IN HEIGHT		
2. FENCE MATERIALS SHALL CO	NSIST OF 2" MESH CHAIN LIN	KS SECURED
MINIMUM 1 1/2" DIA. STEEL (3. POSTS SHALL BE SET TO A DE	PTH OF NO LESS THAN 2 FEE	T IN NATIVE
4. FENCE SHALL REMAIN IN PLA REMOVAL OF FENCE REQUIRE	CE UNTIL THE COMPLETION	OF CONSTR
NEWOVAL OF FENCE REQUIRE	S AFF NOVAL DT CITY S AUTH	UNIZED KEP
Tree Pro	tection Fencing	
RAWING NUMBER: RD-1230	DRAWN BY: SR	SCALE: N
ILE NAME: RD-1230.DWG	APPROVED BY: NK	DATE: 4/
	INTENT OR	JINT .
	PANEMENT OR TING PANEMENT OR ACCESS PC	INT
	EXISTING PAVENENT OR APPROVED ACCESS PC	
	EXISTING PAVEMENT OR EXISTING PAVEMENT OR APPROVED ACCESS PO	
	EXISTING PAVEMENT OR APPROVED ACCESS PO	
		A PAN
	RADIUS = 25' MI	N.
CLEAN PI		N.
	RADIUS = 25' MI T RUN OR 2"-0" GRAM	N. VEL
	RADIUS = 25' MI	N. VEL
	RADIUS = 25' MI T RUN OR 2"-0" GRAY	N. VEL
	RADIUS = 25' MI T RUN OR 2"-0" GRAY	N. VEL
	RADIUS = 25' MI T RUN OR 2"-0" GRAY	N. VEL
	RADIUS = 25' MI T RUN OR 2"-0" GRAY	N. VEL
	RADIUS = 25' MI T RUN OR 2"-0" GRAY	N. VEL
	RADIUS = 25' MI T RUN OR 2"-0" GRAY	N. VEL
	RADIUS = 25' MI T RUN OR 2"-0" GRAY	N. VEL
	RADIUS = 25' MI T RUN OR 2"-0" GRAY	N. VEL
	RADIUS = 25' MI T RUN OR 2"-0" GRAY	N. VEL
	RADIUS = 25' MI T RUN OR 2"-0" GRAY	N. VEL MENT
Gravel Co	RADIUS = 25' MI T RUN OR 2"-0" GRA SUBGRADE REINFORCEM GEOTEXTILE REQUIRED	N. VEL MENT
Gravel Co	RADIUS = 25' MI RADIUS = 25' MI T RUN OR 2"-0" GRAV SUBGRADE REINFORCEM GEOTEXTILE REQUIRED	N. VEL MENT
Gravel Co DRAWING NUMBER: S-2240	RADIUS = 25' MI RADIUS = 25' MI T RUN OR 2"-0" GRA SUBGRADE REINFORCEM GEOTEXTILE REQUIRED ONSTRUCTION ENTRANCE DRAWN BY: SR	N. VEL MENT
Gravel Co DRAWING NUMBER: S-2240	RADIUS = 25' MI RADIUS = 25' MI T RUN OR 2"-0" GRA SUBGRADE REINFORCEM GEOTEXTILE REQUIRED ONSTRUCTION ENTRANCE DRAWN BY: SR	N. VEL MENT

REVISIONS:	

EROSION AND SEDIMENT	
CONTROL	
ESC DETAILS	



	DESIGNED BY: CLL DRAWN BY: CLL CHECKED BY: CLL	DRAWING NO.: 142-001 SCALE:	DOVE LANDING - DEQ FILE # DOVE LANDNG - EPA # DOVE LANDNG - EPA #
PACIFIC COMMUNITY DESIGN [T] 503-941-9484 [F] 503-941-9485	PREPARED FOR:	LGI HOMES - OREGON, LLC 12951 BEL-RED ROAD, STE 150 BELLEVUE, WA 98005 PH: 425-330-2453	CITY OF WOODBURN TAX MAP: 31W15AB-543, 7200, 7290, 7300, 7400, 7500, 7600, 8120, 8130 TAX MAP: 31W15AA-16400

ection Type 5	
AWN BY: SR	SCALE: N.T.S.
ROVED BY: NK	DATE: 9/17/14

DATE: 8/31/2021



