

CIVIL WEST ENGINEERING

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ALBANY, OR 97321

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PORTLAND, OR 97225

CITY OF WEST LINN:

22500 SALAMO ROAD

WEST LINN, OR 97068

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AMY PEPPER

PUBLIC WORKS

4858 SW SCHOLLS FERRY RD HG SCHLICKER & ASSOCIATES, INC.

607 MAIN STREET, SUITE 200

PORTLAND GENERAL ELECTRIC

OREGON CITY, OR 97045

(503) 655-8113

POWER/LIGHTS:

ROSS CICHOZ

APPROVED FOR CONSTRUCTION BY CITY OF WEST LINN ABBREVIATIONS: ASPHALTIC CONCRETE BACK OF CURB **BACKFLOW PREVENTION DEVICE BACK OFWALK** CABLE TELEVISION **CURB AND GUTTER** CURB FACE CENTERLINE

CLEAN OUT

CONCRETE

DRIVEWAY

ELECTRIC

EASEMENT

FLOWLINE

GAS LINE **GUY ANCHOR**

GAS METER

GAS VALVE

HANDICAP HANDICAP RAME

INVERT

LINEAR FEET

MANHOLE

ON CURVE

OVERHEAD

ON TANGENT

POWER **PULL BOX**

PEDESTAL

PARKWAY

PROPERTY LINE

POWER POLE

RIGHT OF WAY

STRAIGHT GRADE

SANITARY SEWER

SEWER CLEAN-OUT STORM DRAIN

STORM CLEAN-OUT

SOUTHEASTERLY

SEWER MANHOLE

SQUARE FEET

SIGN POST STANDARD

STREET LIGHT SIDEWALK

TOP OF CURB TOP OF GRATE

TOE OF SLOPE

TOP OF SLOPE

TRANSFORMER

VALLEY GUTTER

WATER LINE

WATER METER

WATER VALVE

RICHARD GIRARD

PHONE:

DAVID DODD

(503) 242-9311

CABLE/TV:

COMCAST

(503) 351-9311

MATTHEW BRAVO

(503) 226-4211 X2967

CENTURYLINK (LUMEN)

TOP OF WALL

TYPICAL VALVE

VAULT

PRES./PRINCIPAL ENGINEERING GEOLOGIST NW NATURAL

SOUTHEAST

STORM DRAIN MANHOLE

STREET LIGHT CONTROL BOX

STREET LIGHT PULL BOX

LIGHT STANDARD

MIDDLE OF CURVE

POINT OF CURVATURE

POINT OF INTERSECTION

POST INDICATOR VALVE

POINT OF CONNECTION

POINT OF TANGENCY

POINT OF VERTICAL CURVE

POINT OF REVERSE CURVE

PUBLIC UTILITY EASEMENT

RECLAIMED WATER LINE

POINT OF REV. VERTICAL CURVE

FOUND

FENCE

END OF CURVE **ELECTRIC CABINET**

ELECTRIC METER

FINISH PAVEMENT

FINISH SURFACE

FRONT OF WALK

DIRECTION OF DRAINAGE FLOW

IRRIGATION CONTROL BOX

IRRIGATION CONTROL VALVE

MIDDLE OF VERTICAL CURVE

POINT OF COMPOUND CURVATURE

ELECTRICIC MAN-HOLE

ELECTRICAL PULL BOX

EDGE OF PAVEMENT

DETECTOR CHECK VALVE

This approval is only for general conformance with the design concept and general compliance with applicable codes and requirements and shall not be construed as relieving the Design Engineer of full responsibility for accuracy and completeness of the drawings. This plan review approval does not prevent the City from requiring further code corrections in the field.

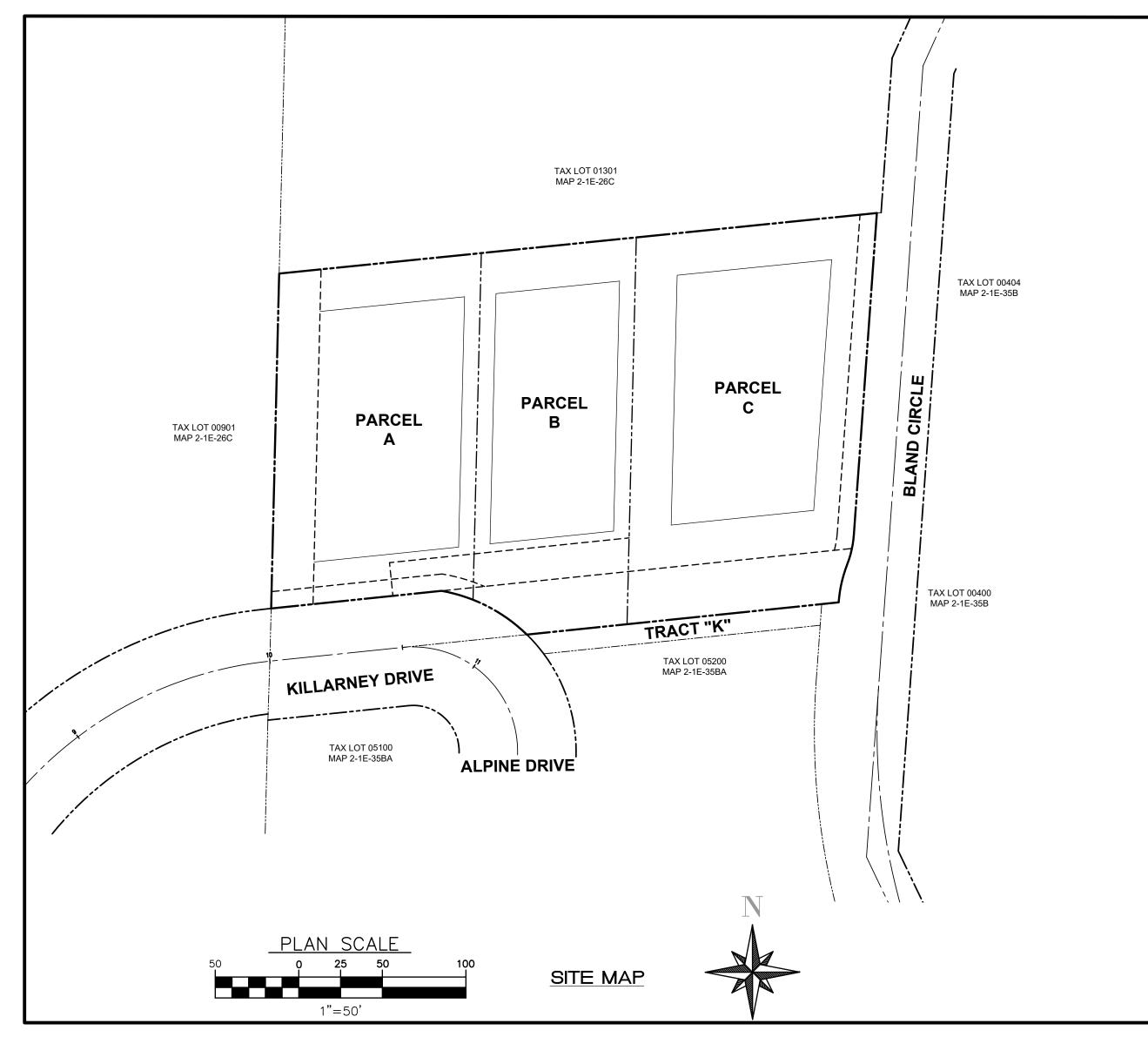
PARAMOUNT WEST LINN

CIVIL IMPROVEMENTS

LOCATED IN

A PORTION OF THE SW 1/4 OF SECTION 26C, T.2 S, R. 1 E,

CITY OF WEST LINN CLACKAMAS COUNTY, OREGON



SITE DATA					
AREA	1.13 AC				
ZONING	R10				
TAX MAP	21E26C				
TAX LOT:	1400				
NO. OF PARCELS	3				

SURVEY MONUMENTATION NOTE

CONTRACTOR IS RESPONSIBLE FOR PRESERVATION AND/OR PERPETUATION OF ALL EXISTING SURVEY MONUMENTS WHICH CONTROL SUBDIVISIONS, TRACTS, PROPERTY, BOUNDARIES, STREETS, HIGHWAYS, OR OTHER RIGHT-OF-WAY EASEMENTS. CONTRACTOR SHALL PROVIDE ADVANCE NOTICE TO PROJECT SURVEYOR PRIOR TO DISTURBANCE OR REMOVAL OF EXISTING MONUMENTS. PROJECT SURVEYOR SHALL COORDINATE WITH CONTRACTOR TO RESET MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE THE REQUIRED DOCUMENTATION WITH THE COUNTY SURVEY.

PRIVATE ENGINEERS NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA. UNDERGROUND SERVICE ALERT SHALL BE CONTACTED TWO WORKING DAYS PRIOR TO CONSTRUCTION AT 1-800-227-2600.

IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING FEATURES AND NEW IMPROVEMENTS. TRANSITIONS WITHIN ADA PATHS OF TRAVEL SHALL NOT EXCEED ALLOWABLE FINISH GRADE SLOPES.

NOTICE TO EXCAVATORS

- ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN A COPY OF THE RULES BY CALLING THE CENTER. NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987. STAT. AUTH.: ORS 757.542 THROUGH ORS 757.562 AND ORS 757.993.
- 2. THE CONTRACTOR SHALL CONTACT 'ONE CALL' FOR UTILITY LOCATES PRIOR TO EXCAVATION. (1-800-332-2344)
- IT IS THE CONTRACTORS RESPONSIBILITY TO POT HOLE AND VERIFY ALL PROPOSED WATERLINE JOIN POINTS INCLUDING ANY ADDITIONAL EXPLORATORY EXCAVATION TO CONFIRM THE ACCURACY OF THE JOIN POINTS. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED TO THE CONTRACTOR FOR THIS EFFORT.
- THE EXISTING UTILITY CROSSINGS OF THE PIPELINES ARE SHOWN ACCORDING TO AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL THE UTILITY CROSSINGS ALONG THE LENGTH OF THE PIPELINES. AS THE ENGINEER AND THE CITY OF JACKSONVILLE MAKE NO GUARANTEE THAT ALL OF THE EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL EXERCISE DUE CAUTION WHEN EXCAVATING AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OR EXPLORATORY OPERATIONS. IF ANY EXISTING UTILITIES ARE DAMAGED DURING CONSTRUCTION OR EXPLORATORY OPERATIONS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE THE DAMAGED ITEMS TO THE SATISFACTORY OF THE LOCAL GOVERNING AGENCY WITH NO ADDITIONAL COMPENSATION WILL BE PROVIDE TO THE CONTRACTOR THESE NOTED REPAIRS.







EARTHWORK QUANTITIES

2,660 CY 2,740 CY EST. SHRINKAGE: 80 CY

EXPORT: O CY

QUANTITIES SHOWN ARE FOR BONDING AND FEE CALCULATION PURPOSES. CONTRACTOR SHALL SATISFY HIMSELF TO THE ACCURACY OF QUANTITIES SHOWN. THE QUANTITIES DO NOT INCLUDE FOOTING OR UTILITY EXCAVATION.

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XPIRATION DATE: 06/30/2



OF 18

GENERAL NOTES

- 1. ALL REFERENCES TO CITY OF WEST LINN DESIGN STANDARDS REFER TO THE CURRENT PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.
- 2. THE DESIGN ENGINEER WILL BE RESPONSIBLE FOR INSPECTION OF THE PROPOSED IMPROVEMENTS WITH OVERSIGHT FROM THE CITY'S PUBLIC WORKS AND ENGINEERING STAFF.
- 3. A WORK SCHEDULE WILL BE REQUIRED FROM THE CONTRACTOR SO THAT THE ENGINEER CAN HAVE AN INSPECTOR ONSITE AT THE APPROPRIATE TIMES. IF THE WORK SCHEDULE IS REVISED THE CONTRACTOR IS TO NOTIFY THE ENGINEER AT LEAST 24 HOURS NOTICE OF ANY TESTING REQUIRING THE PRESENCE OF THE ENGINEER AND/OR CITY STAFF
- 4. THE CONTRACTOR IS TO RECEIVE THE APPROVAL OF THE ENGINEER AND THE CITY FOR ANY PROPOSED CHANGES TO THE PLANS OR STANDARD REQUIREMENTS.
- 5. A BUILDING DEPARTMENT PLUMBING PERMIT IS REQUIRED FOR UTILITIES BEYOND THE METER OR ON PRIVATE PROPERTY.
- 6. A PUBLIC IMPROVEMENT GUARANTEE AGREEMENT OF A PUBLIC WORKS PERMIT, A PRE-CONSTRUCTION MEETING WITH THE CITY OF WEST LINN AND INSTALLATION OF EROSION CONTROL MEASURES ARE REQUIRED PRIOR TO BEGINNING CONSTRUCTION.
- PRIOR TO SITE CLEARING, 8' TALL CHAIN-LINK FENCING SHALL BE PLACED AT TREE EASEMENT BOUNDARIES. THE CITY ARBORIST SHALL INSPECT AND APPROVE ALL ONSITE TREE PROTECTION MEASURES PRIOR TO THE START OF THE SITE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE CITY ARBORIST AND ARRANGE FOR THIS APPROVAL TO TAKE PLACE. NO PERMITS WILL BE ISSUED FROM ENGINEERING, PLANNING, OR BUILDING DEPARTMENTS WITHOUT TREE PROTECTION APPROVAL FROM THE CITY ARBORIST. ALL TREE PROTECTION MEASURES SHALL REMAIN IN PLACE AND FULLY FUNCTIONAL FOR THE ENTIRE TIME THAT SITE WORK AND CONSTRUCTION IS TAKING PLACE.
- 8. A CITY REPRESENTATIVE AND A REPRESENTATIVE OF THE ENGINEER MUST BE PRESENT AT ALL TESTING AND THE CITY SHALL BE FURNISHED A COPY OF ALL TEST RESULTS. IF ENGINEER OR CITY DO NOT WITNESS TESTING, CONTRACTOR WILL BE REQUIRED TO
- 9. ALL FEES FOR STREET TREES SHALL BE PAID TO THE CITY OF WEST LINN PARKS AND RECREATION DEPARTMENT.
- 10. NO BUILDING PERMITS WILL BE GIVEN UNTIL THE IMPROVEMENTS HAVE BEEN ACCEPTED BY THE CITY AS COMPLETE AND THE PLAT HAS BEEN RECORDED.
- 11. CONTRACTOR SHALL VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES AND POINTS OF CONNECTION PRIOR TO ORDERING MANHOLES. IF DISCREPANCIES ARE FOUND, CONTRACTOR SHALL NOTIFY THE ENGINEER.

WATER NOTES

- . WATER MAINS SHALL BE DUCTILE IRON PIPE CONFORMING TO AWWA C151 CLASS 52 PIPE IS TO HAVE CEMENT MORTAR LINING AND BITUMINOUS SEAL COAT CONFORMING TO AWWA C104. JOINTS ARE TO BE PUSH ON RUBBER GASKETED JOINTS UNLESS NOTED OTHERWISE ON THE PLAN. PIPE FITTINGS ARE TO BE OF THE SAME MATERIAL AND CLASS AS PIPE OF DOMESTIC ORIGIN. ALL WATER MAINS SHALL BE WRAPPED WITH POLYETHYLENE ENCASEMENT. ANSI/AWWA 405/A21.5.
- 2. WATER MAINS HAVE A MINIMUM COVER OF 36".
- 3. RESTRAINED JOINTS AT ALL JOINTS WITH FIELD LOC GASKETS TO BE PROVIDED AT ALL CHANGES IN DIRECTION AND BRANCHES.
- 4. GATE VALVES SHALL BE RESILIENT SEAT, NON-RISING STEM WITH "O" PACKING COMPLYING WITH AWWA CLASS "C" SPECIFICATIONS. THE VALVES SHALL BE DESIGNED TO WITHSTAND A WORKING PRESSURE OF 150 PSI. GATE VALVES SHALL BE FURNISHED WITH A TWO-INCH SQUARE OPERATING NUT AND SHALL OPEN COUNTERCLOCKWISE WHEN VIEWING FROM ABOVE. BUTTERFLY VALVES SHALL BE RUBBER SEAT TYPE AND BUBBLE TIGHT AT 150 PSI, AND SHALL CONFORM TO AWWA C504. BUTTERFLY CALVES SHALL BE MUELLER OR APPROVED EQUAL. OPERATING NUT SHALL BE LOCATED ON THE SIDE OF THE MAIN SHOWN ON THE PLANS. VALVE BOXES SHALL BE "VANCOUVER" PATTERN.
- FIRE HYDRANTS SHALL CONFORM WITH AWWA SPECIFICATION C-502. PUMPER OUTLET IS TO FACE THE DIRECTION OF ACCESS. ACCEPTABLE MODELS ARE MUELLER CENTURION A-423 OR CLOW MEDALLION F-2545. HYDRANT COLOR SHALL BE SAFETY YELLOW.
- GRANULAR BACKFILL (3/4"-0) IS TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER AASHTO T 180 TEST METHOD AND NATIVE MATERIAL SHALL BE COMPACTED TO 95% OF IN-PLACE DENSITY OF SURROUNDING SOIL. EXCAVATION, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH DIVISION 204 OF THE CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS.
- SERVICE LATERALS SHALL BE TYPE K COPPER LATERAL SIZES SHALL BE 1". FOR DOUBLE SERVICES TWO 1" WATER SERVICES SHALL BE LAID SIDE BY SIDE. CORPORATIONS STOPS SHALL BE MUELLER B-25008 300 PSI BALL TYPE CORP (SEE WL-RD274). ANGLE METER STOP SHALL B-24257 FULL PORT 300 PSI BALL VALVE. METER BOXES SHALL BE DFW PLASTICS MODEL DFW486WBC. METER BOXES ARE TO BE INSTALLED 3"4" ABOVE FINISH GRADE AND 2-1/2" FROM THE CURB IN PLANTER STRIPS OR FLUSH WITH SIDEWALK SURFACE IN A SIDEWALK
- ALL WATERLINES WILL BE PRESSURE TESTED AND PURIFICATION TESTED BEFORE CONNECTION TO THE CITY WATER SYSTEM. PRESSURE TEST SHALL BE CONDUCTED AT 180 PSI OR 1.5 TIMES THE NORMAL WORKING PRESSURE, WHICH EVER IS HIGHER AND SHALL MEET THE REQUIREMENTS OF DIVISION 403.14 OF THE WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.
- CHLORINATION SHALL CONFORM WITH DIVISION 403.14 W.L.S.C.S. PER AWWA STANDARDS THE MINIMUM INITIAL CHLORINE CONCENTRATION SHALL BE 25 PPM WITH A RESIDUAL OF 10 PPM AFTER 24 HOURS.
- 10. DO NOT CONNECT NEW PIPE TO EXISTING PIPE PRIOR TO TESTING. THE CITY OF WEST LINN REQUIRES ACCEPTANCE OF NEW WATERLINE PRIOR TO CONNECTION TO EXISTING WATER SYSTEM. COORDINATE INSPECTION WITH A MINIMUM OF 48 HOURS NOTICE.
- 11. A PLUMBING PERMIT IS REQUIRED FOR SERVICE LATERAL INSTALLATIONS BEYOND THE WATER METER.
- 12. ALL MATERIALS, INSTALLATION, TESTS, AND CHLORINATION TO BE IN STRICT ACCORDANCE WITH THE CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS, AND THE OREGON STATE HEALTH DIVISION ADMINISTRATION RULES, CHAPTER

STREET NOTES

333 DIVISION 61.

- NEW STREET SECTIONS ARE TO BE CLEARED OF ALL SURFACE VEGETATION AND OTHER MISCELLANEOUS STRUCTURES OR MATERIALS. GRUB IMPROVEMENT AREAS TO REMOVE ALL BURIED VEGETATIVE MATTER AND DEBRIS TO A DEPTH OF 8" BELOW SUBGRADE. PROPERLY DISPOSE OF ALL WASTE MATERIAL.
- STREET SUBGRADE SHALL CONFORM TO DIVISION 501 OF THE CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS. AREAS TO RECEIVE FILL ARE TO BE INSPECTED BY CITY OF WEST LINN PERSONNEL PRIOR TO PLACEMENT OF THE FILL. THE CONTRACTOR SHALL FILL AREAS TESTED FOR COMPACTION BY A CERTIFIED TESTING LAB IN ACCORDANCE WITH W.L.S.C.S. DIVISION 501.03.08. GEOTECHNICAL INSPECTION REQUIRED.
- AGGREGATE BASE ROCK SHALL CONFORM TO REQUIREMENTS OF W.L.S.C.S. DIVISION 205. BASE COURSE SHALL BE 1-1/2"-0 CRUSHED ROCK AND LEVELING COURSE SHALL BE 3/4"-0 CITY OF WEST LINN REQUIRES A PROOF ROLL WITH A LOADED 10 YARD DUMP TRUCK OF THE SUBGRADE PRIOR TO PLACEMENT OF THE ROCK AND AGAIN AFTER PLACEMENT OF THE BASE ROCK AND PRIOR TO PAVING. ALL UNDERGROUND UTILITIES INCLUDING LATERALS, SERVICES, AND POWER OR GAS CONDUITS WILL BE IN PLACE BEFORE SUBGRADE PROOF ROLL WILL TAKE PLACE.
- ASPHALT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 505. 2" BASE LIFT SHALL BE LEVEL 2 A.C. AND 2" FINAL LIFT SHALL BE LEVEL 2 A.C. MEETING THE SPECIFICATIONS W.L.S.C.S. DIVISION 505. THE TOP LIFT OF ASPHALT CONCRETE SHALL NOT BE PLACED PRIOR TO RECEIVING PERMISSION FROM THE CITY OF WEST LINN ENGINEERING DEPARTMENT
- CONSTRUCT CURB AND GUTTER USING 3300 PSI CONCRETE MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 205 (AFTER 28 DAYS) WITH MAXIMUM 1-1/2" AGGREGATE SIZE. CONTRACTION JOINTS AT 15' MAXIMUM ON CENTERS. HANDICAP RAMPS SHALL BE CONSTRUCTED AT EACH CURB RETURN AT INTERSECTION BY CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. A PROOF ROLL OF THE CURBLINES IS REQUIRED PRIOR TO POURING CURBS.
- 6. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.
- MONUMENT BOXES WILL BE REQUIRED AT ALL STREET CENTERLINE INTERSECTIONS, POINTS OF CURVATURE AND POINTS OF TANGENCY. BOXES SHALL CONFORM TO CLACKAMAS COUNTY SURVEYOR REQUIREMENTS.

STORM SEWER NOTES

- A 24-INCH OR LESS STORM DRAIN PIPE IS PREFERRED TO BE SEAMLESS RIBBED PVC PIPE CONFORMING TO ASTM F 794. WHERE LARGER PIPE IS REQUIRED OR LACK OF COVER PREVENTS THE USE OF RIBBED PVC PIPE, PIPE SHALL BE CLASS 3 NON-REINFORCED. CONCRETE PIPE CONFORMING TO ASTM C-14, REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76, CLASS IC, OR DUCTILE IRON PIPE CONFORMING TO AWWA C151 CLASS 52. RUBBER JOINTS ARE REQUIRED FOR ALL CONCRETE PIPE. SIX INCH AND SMALLER STORM DRAIN PIPE SHALL CONFORM TO ASTM D 3034 PVC PIPE. DUE TO CURRENT MATERIAL SHORTAGES, ADS-N12 MAY BE SUBSTITUTED FOR RIBBED PVC PIPE.
- GUTTER INLETS SHALL BE POURED IN-PLACE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3300 PSI. FRAME SHALL BE FABRICATED OF STRUCTURAL STEEL, ASTM A-7, A-36, A-373 PER OREGON STANDARD DRAWING RD366 AND RD365.

- MANHOLE BASE MAY BE POURED IN PLACE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3300 PSI OR PRECAST. MANHOLE RISERS AND TOPS SHALL BE PRECAST SECTIONS WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI. TOPS SHALL BE ECCENTRIC CONES EXCEPT WHERE INSUFFICIENT HEADROOM REQUIRES FLAT TOPS. INTERIOR DIMENSIONS NOTED ON THE PLANS ARE MINIMUMS. SOME OR ALL OF THE STORM DRAIN REQUIRED MAY BE OVERSIZED MANHOLES, CONTRACTOR SHALL CHECK WITH MANHOLE MANUFACTURER FOR ACTUAL SIZE OF MANHOLE NEEDED FOR TYPE AND SIZE OF PIPE TO BE USED. INVERTS SHALL BE CONNECTED TO MANHOLE BY MEANS OF A FLEXIBLE CONNECTION AND SHALL HAVE A SHEAR JOINT LOCATED 18" OUTSIDE OF THE MANHOLE.
- 4. ALL MANHOLES LOCATED OUTSIDE PAVED AREAS REQUIRE TAMPER PROOF LIDS AND LID SHALL BE SET 12 INCHES ABOVE PROPOSED
- 5. CLEANOUT PIPE, FITTINGS, AND JOINTS SHALL BE THE SAME SPECIFICATIONS AS FOR PIPE. CASTINGS ARE SHOWN ON DETAILS AND SHALL CONFORM TO ASTM A48 (GRADE 30). CLEANOUT RISER SHALL MATCH DOWNSTREAM PIPE DIAMETER.
- 6. GRANULAR BACKFILL (3/4"-0) IS TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD AND NATIVE MATERIAL SHALL BE COMPACTED TO 95% OF IN-PLACE DRY DENSITY OF SURROUNDING SOIL
- 7. STORM DRAIN SERVICE LATERALS SHALL BE 4" PIPE CONFORMING TO THE SAME SPECIFICATIONS AS THE STORM DRAIN MAIN LINES. SERVICE LATERALS SHALL BE INSTALLED TO A POINT BEYOND THE LINE OR UTILITY EASEMENT AS SHOWN ON THE PLAN. THE SERVICE LATERAL SHALL BE PLUGGED WITH 4" RUBBER RING PLUG, AND THE LOCATION OF THE LATERALS END MARKED WITH A 2"X4" STAKE PAINTED WHITE WITH THE DEPTH OF THE LATERAL MEASURED FROM THE GROUND TO THE INVERT
- 8. RIPRAP WHERE NOTED ON THE PLANS IS TO BE CLASS 50 IN ACCORDANCE WITH OREGON STATE HIGHWAY DIVISION SPECIFICATION 714.
- 9. PRIVATE CATCH BASIN SHALL BE TRAPPED AND SUMPED GIBSON STEEL PRE FABRICATED CATCH BASIN OR APPROVED EQUAL.
- 10. STORM DRAINS SHALL BE TESTED FOR DEFLECTION IN ACCORDANCE WITH DIVISION 601.03.11 AND VIDEO INSPECTED IN ACCORDANCE WITH DIVISION 601.03.12 OF THE WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS. ALL TESTS SHALL BE WITNESS BE THE ENGINEER AND A REPRESENTATIVE OF THE CITY.
- 11. A PLUMBING PERMIT FROM THE CITY OF WEST LINN BUILDING DEPARTMENT IS REQUIRE FOR THE STROM DRAINS OUTSIDE OF THE RIGHT OF WAY.
- 12. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH THE CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS.
- 13. DETENTION POND PLANTINGS TO CONFORM TO PLANTING PLANS, SEE SHEET L1.0.

SANITARY SEWER NOTES

- 1. PIPE SHALL BE PVC SEWER PIPE CONFORMING TO ASTM D-3034 SDR 35. MINIMUM STIFFNESS SHALL BE 46 PSI AND JOINT TYPE SHALL BE ELASTOMERIC GASKET CONFORMING TO D-3212.
- 2. MANHOLE BASE SHALL BE POURED IN PLACE CONCRETE BASE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3300 PSI OR PRECAST MANHOLE RISERS AND TOPS SHALL BE PRECAST SECTIONS WITH MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI. TOPS SHALL BE ECCENTRIC CONES EXCEPT WHERE INSUFFICIENT HEADROOM REQUIRES FLAT TOPS/ INVERTS SHALL BE CONSTRUCTED SO AS TO PROVIDE SMOOTH FLOW-THROUGH CHARACTERISTICS AND CHANNELS MUST BE ABLE TO PASS A 7" X 30" CYLINDER INTO PIPES. PVC PIPE SHALL BE CONNECTED TO MANHOLE BY MEANS OF A FLEXIBLE CONNECTION AND SHALL HAVE A SHEAR JOINT LOCATED 18" OUTSIDE OF MANHOLE. CEMENT GROUT FOR CONNECTING PVC SEWER PIPE TO MANHOLE WILL NOT PERMITTED. SEE OREGON STANDARD DRAWING RD 340.
- 3. ALL MANHOLES LOCATED OUTSIDE PAVED AREAS REQUIRE TAMPER PROOF LIDS AND THE LID SHALL BE SET 12" ABOVE THE
- 4. CLEANOUT PIPE, FITTINGS, AND JOINTS SHALL BE THE SAME SPECIFICATIONS AS FOR PIPE. CASTINGS ARE AS SHOWN ON DETAIL AND SHALL CONFORM TO ASTM A48 (GRADE 30).
- 5. GRANULAR BACKFILL (3/4"-0) IS TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD AND NATIVE MATERIAL SHALL BE COMPACTED TO 95% OF IN-PLACE DRY DENSITY OF SURROUNDING SOIL. EXCAVATION BEDDING AND BACKFILL SHALL BE IN ACCORDANCE WITH DIVISION 204 OF THE CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS. BACKFILL UNDER NEW STREETS SHALL BE CLASS "B" AND BACKFILL IN EXISTING STREETS SHALL BE CLASS "E".
- 6. PVC SERVICE LATERALS SHALL BE 4" PIPE CONFORMING TO THE SAME SPECIFICATIONS AS THE SEWER MAINS. SERVICE LATERALS SHALL BE INSTALLED TO A POINT BEYOND THE LINE OF THE SEWER OR UTILITY EASEMENT AS SHOWN ON THE PLAN. THE SERVICE LATERAL SHALL BE PLUGGED WITH A 4" RUBBER RING PLUG, AND THE LOCATION OF THE LATERAL'S END MARKED WITH A 2"x4"STAKE PAINTED GREEN WITH THE DEPTH OF THE LATERAL MEASURED FROM THE GROUND TO THE INVERT.
- 7. SANITARY SEWER PIPE AND APPURTENANCES SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH W.L.S.C.S. DIVISION 301.03.09 AND MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH W.L.S.C.S. DIVISION 302.03.07. ALL TESTS SHALL BE WITNESSED BY THE ENGINEER AND THE CITY OF WEST LINN. CONTRACTOR IS RESPONSIBLE FOR COORDINATING TESTING SO THAT ALL TEST SHALL BE PASSED AND NEW LINE SHALL BE ACCEPTED PRIOR TO CONNECTION TO EXISTING SYSTEM.
- 8. A PLUMBING PERMIT FROM THE CITY OF WEST LINN BUILDING DEPARTMENT IS REQUIRED FOR SANITARY SEWER LATERALS OUTSIDE THE RIGHT OF WAY.
- 9. ALL MATERIALS. INSTALLATION, TEST, AND INSPECTIONS O BE MADE IN STRICT ACCORDANCE WITH CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.

EROSION CONTROL SUMMARY

1. EROSION CONTROL SUMMARY GENERAL NOTES ARE LOCATED ON SHEET EC4 IN THE EROSION SEDIMENT CONTROL PLAN.

GENERAL GRADING AND EROSION & SEDIMENT CONTROL (PART 1)

- 1. APPROVAL OF THIS EROSION & SEDIMENT CONTROL PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
- 2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION OF LANDSCAPING ESTABLISHED.
- 3. THE ESC FACILITIES ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
- 4. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE.
- 5. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- 6. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED MAINTAINED A MINIMUM OF ONCE A MONTH, OR WITHIN 24 HOURS FOLLOWING A STORM EVENT.
- 7. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATED WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWN STREAM SYSTEM.
- 8. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

GENERAL GRADING AND EROSION & SEDIMENT CONTROL (PART 2)

- 1. CLEAN WASTE MATERIAL EXCAVATED FROM ROAD CUT OR TRENCHING AREAS NOT USED IN STREET FILL AREAS MAY SPREAD EVENLY ACROSS LOT AREAS IN DEPTHS NOT TO EXCEED SIX INCHES, EXCEPT WHERE NOTED OTHERWISE ON THE PLANS.
- 2. DURING CONSTRUCTION, STRAW BALES, CUTOFF TRENCHES OR SOME OTHER METHOD OF RUNOFF CONTROL SHALL BE USED TO PREVENT EROSION AND/OR SILTATION FROM CROSSING OUTSIDE THE WORK AREA BOUNDARIES.
- 3. LARGE ORGANIC MATERIAL, MISCELLANEOUS PIPE OR CONSTRUCTION MATERIAL MUST BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
- 4. NO FILLING OR CUTTING SHALL BE DONE OUTSIDE OF APPROVED GRADING AREAS.
- 5. ALL EROSION CONTROL FACILITIES SHALL MEET THE REQUIREMENTS OF THE CLACKAMAS COUNTY DEPARTMENT OF UTILITIES, EROSION PREVENTION AND SEDIMENT CONTROL PLANS TECHNICAL GUIDANCE HANDBOOK (ECTGH), REVISED AUGUST, 1994; CHAPTER 31 OF THE COMMUNITY DEVELOPMENT CODE: AND THE OREGON ADMINISTRATIVE RULES.

SEEDING/MULCHING

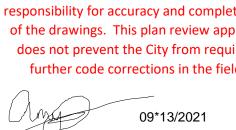
- 1. ALL AREAS DISTURBED DURING CONSTRUCTION TO BE GRADED TO DRAIN AND COMPACTED TO A MINIMUM OF 90% OF AASHTO T-99 IMMEDIATELY AFTER INSTALLATION OF UTILITIES OR GRADING.
- 2. RECOMMENDED SEED MIXTURE: 80% ELKA DWARF PERENNIAL RYEGRASS AND 20% CREEPING RED FESCUE BY WEIGHT. APPLICATION RATE SHALL BE 100 POUNDS MINIMUM PER ACRE.
- 3. FERTILIZER SHALL BE 12-16-8 WITH 50% OF NITROGEN DERIVED FROM UREA FORMALDEHYDE, AND APPLIED AT A RATE OF 400
- 4. SEED AND MULCH AT A RATE OF 2000 LBS/ AC WITH HEAVY BONDING AGENT OR NETTING AND ANCHORS. MULCH SHALL BE A WOOD CELLULOSE FIBER OR OTHER MATERIAL SUITABLE FOR HYDROMULCHING.
- 5. TEMPORARY OR PERMANENT HYDROSEEDING ARE ACCEPTABLE SEEDING AND MULCHING MUST BE PROVIDED WHENEVER PERENNIAL COVER CANNOT BE ESTABLISHED ON SITES WHICH WILL BE EXPOSED FOR 60 DAYS OR MORE.

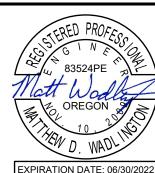
SEDIMENT FENCE

POUNDS PER ACRE.

- 1. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.
- 2. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS, WHERE FEASIBLE. THEN POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 18 INCHES.
- 3. A TRENCH SHALL BE EXCAVATED ROUGHLY 6 INCHES WIDE BY 6 INCHES DEEP, UPSLOPE AND ADJACENT TO THE WOOD POST TO ALLOW THE FILTER FABRIC TO BE BURIED. BURY THE BOTTOM OF THE FABRIC 6" VERTICALLY BELOW FINISHED GRADE. ALL AREAS OF FILTER FABRIC SHALL BE COMPACTED.
- 4. THE FILTER FABRIC SHALL BE INSTALLED WITH STITCHED LOOPS OVER THE FENCE POSTS. THE FENCE POST SHALL BE CONSTRUCTED OF 2"x2" FIR, PINE, OR STEEL. THE FENCE POST MUST BE A MINIMUM OF 48" LONG. THE FILTER FABRIC SHALL NOT BE STAPLED OR ATTACHED TO EXISTING TREES.
- 5. SEDIMENT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- 6. SEDIMENT FENCES SHALL BE INSPECTED BY APPLICANT/CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL, ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY

APPROVED FOR CONSTRUCTION BY CITY OF WEST LINN This approval is only for general conformance with the design concept and general compliance with applicable codes and requirements and shall not be construed as relieving the Design Engineer of full responsibility for accuracy and completeness of the drawings. This plan review approval does not prevent the City from requiring further code corrections in the field.









2 OF 18

APPROVED FOR CONSTRUCTION BY
CITY OF WEST LINN

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DECISION

The Planning Manager (designee) approves this application (MIP-16-02), based on: 1) the findings submitted by the applicant, which are incorporated by this reference, 2) supplementary staff findings included in the Addendum below, and 3) the addition of conditions of approval below. With these findings, the applicable approval criteria are met. The conditions are as follows:

- Site Plan. With the exception of modifications required by these conditions, the final plat shall conform to the submitted Tentative Plan for a Three-Parcel Partition Plat, date stamped June 21, 2016.
- Engineering Standards. All public improvements and facilities associated with public improvements including street improvements, utilities, grading, onsite storm water design, street lighting, street trees, easements, and easement locations are subject to the City Engineer's review, modification, and approval. These must be designed, constructed, and completed prior to final plat approval. (See Staff Finding 17)
- 3. Street Improvements. Prior to final plat approval, the applicant shall dedicate on the face of the plat an additional 12.5 feet of ROW and complete half street improvements including curb, planter strip and sidewalks, and street trees for the portion of Bland Circle abutting the subject property. Street improvements including curb, planter strip and sidewalks, and street trees along Killarney/Alpine Drive abutting the subject property must also be completed. (See Staff Findings 6, 7, 8, and 9)
- 4. Access. The applicant shall provide one access point from Killarney/ Alpine Drive in the form of a shared driveway to access both lots A and B. The access drive must be constructed to city standards prior to issuance of final building Certificate of Occupancy. Lot C will use the existing access via Bland Circle with no changes. (See Staff Finding 3, 4, 5, and 12)
- 5. Significant tree protection. The applicant shall coordinate with the City Arborist prior to any removal of trees identified as significant or any amendments to the submitted report (Existing Conditions Map, pg. 39-41 of applicant's submittal). (See Staff Finding 20)
- 6. <u>Underground Utilities</u>. The applicant shall place all existing overhead utilities and associated services along Bland Cir underground subject to review and approval from PGE and the City's Engineer. (See Staff Finding 18)

4

- 7. <u>Easements.</u> The applicant shall provide and record a 20' public utility easement along the west property line of Lot A for future utility connection. The easement shall be recorded on the face of the partition plat. (See Staff Finding 17)
- 8. <u>Utility Extensions.</u> The applicant shall extend the existing 8" water main located on Alpine Dr in accordance with the Public Works Standards to provide water services for the existing lot and the two newly created lots. (See Staff Finding 17)
- Onsite Sanitation. The applicant shall demolish and abandon the existing onsite sanitary sewer septic system in accordance with DEQ Standards and connect to the public sanitary sewer main. The applicant shall also install sanitary sewer service connection for the two newly created lots (Lot A and Lot B). (See Staff Finding 17)

The provisions of the Community Development Code Chapter 99 have been met.

Sennifer Arnold, Associate Planne

10/6/16

Appeals to this decision must be filed with the West Linn Planning Department within 14 days of mailing date. Cost is \$400. An appeal to City Council of a decision by the Planning Director shall be heard on the record. The appeal must be filed by an individual who has established standing by submitting comments prior to the decision date. Approval will lapse 3 years from effective approval date if the final plat is not recorded.

Mailed this 5th day of October, 2016.

Therefore, the 14-day appeal period ends at 5 p.m., on October 20, 2016.





					7 <
ВУ					
			Checked By: ##NAME		
DESCRIPTION			Drawn By: BRJ		
ш			KBS	Project No: 2204-120	
DATE				No: 2	
REV			Designed By:	Project	

ATHAN DEVELOPN
22995 BLAND CIRCLE, WEST

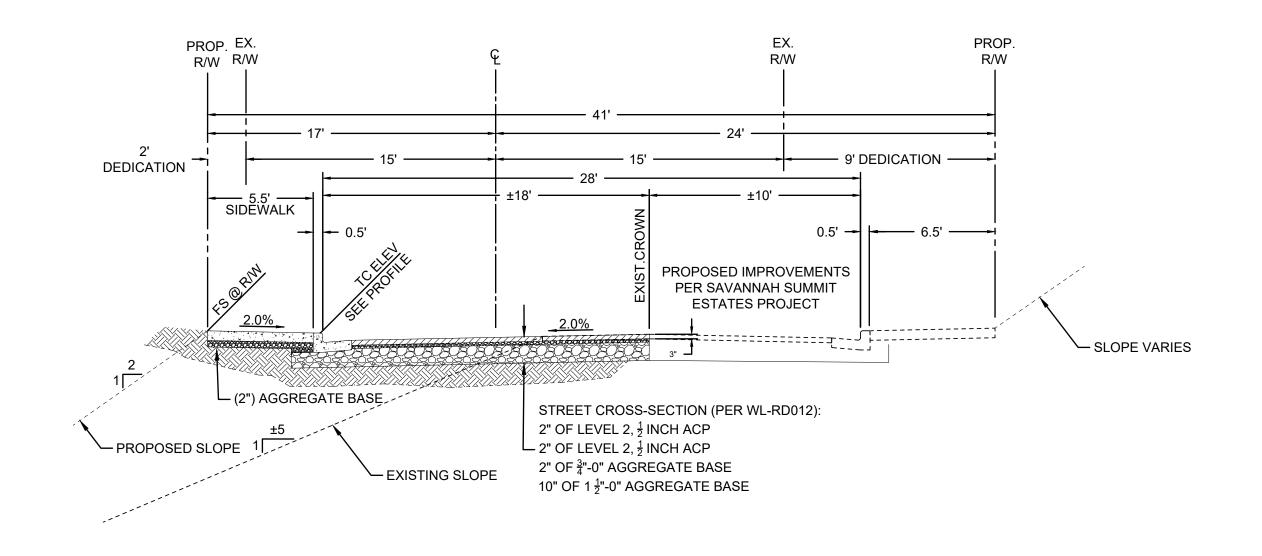
ONDITIONS OF APPROV.

3 OF 18

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09/13/2021



EX. RW

35'

61'

26'

15'

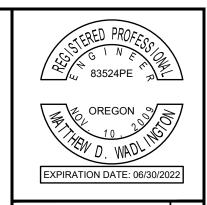
SLOPE VARIES

STREET CROSS-SECTION (PER WL-RD012):
2" OF LEVEL 2. ½ INCH ACP
2" OF LEVEL 2. ½ INCH ACP
2" OF Få*-0" AGGREGATE BASE

10" OF 1 ½-0" AGGREGATE BASE

BLAND CIRCLE TYPICAL SECTION
SCALE: N.T.S.

KILLARNEY DRIVE TYPICAL SECTION
SCALE: N.T.S.





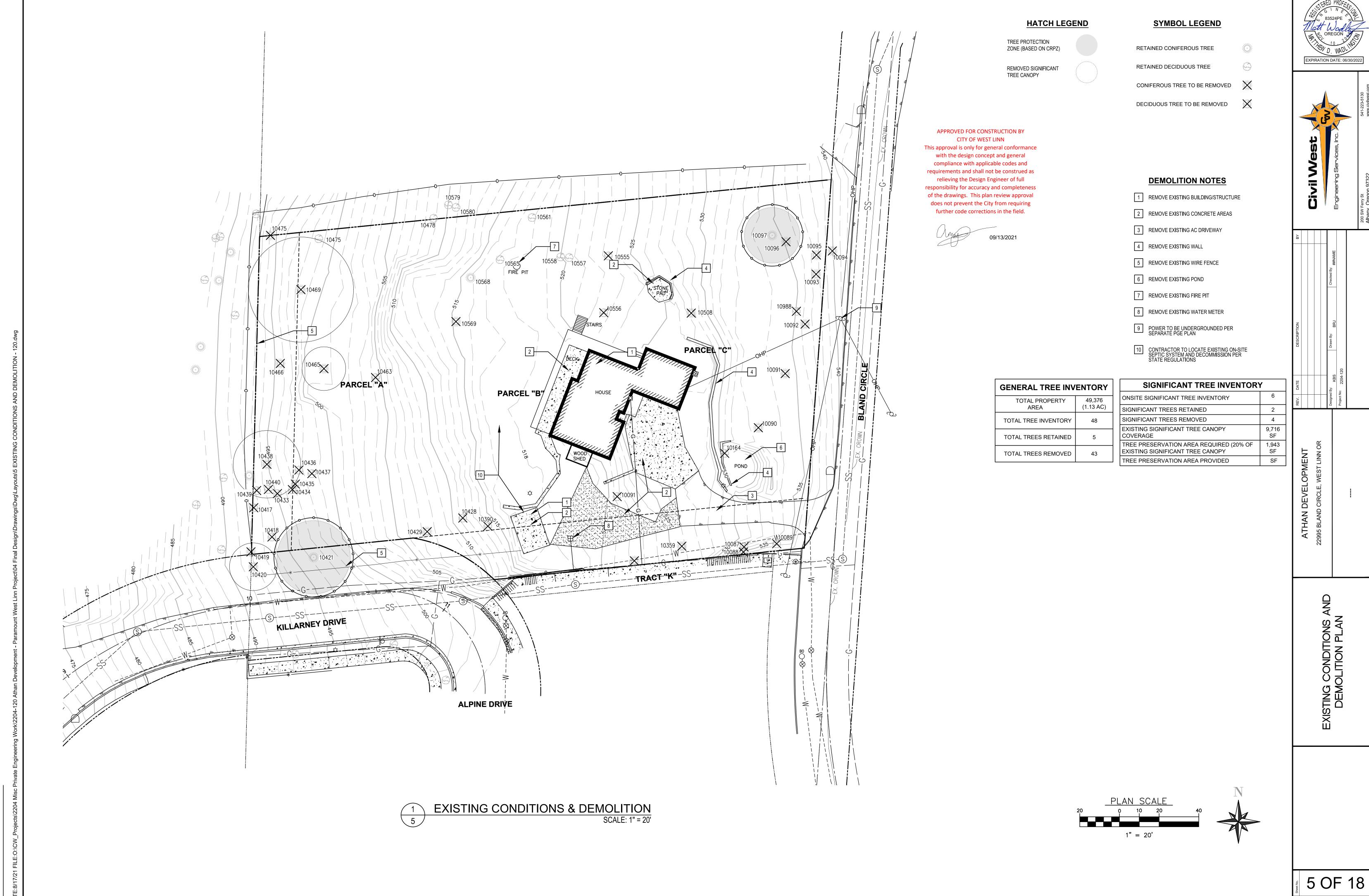
Designed By: KBS BRJ Checked BY: ##NAME E Project No: 2204-120

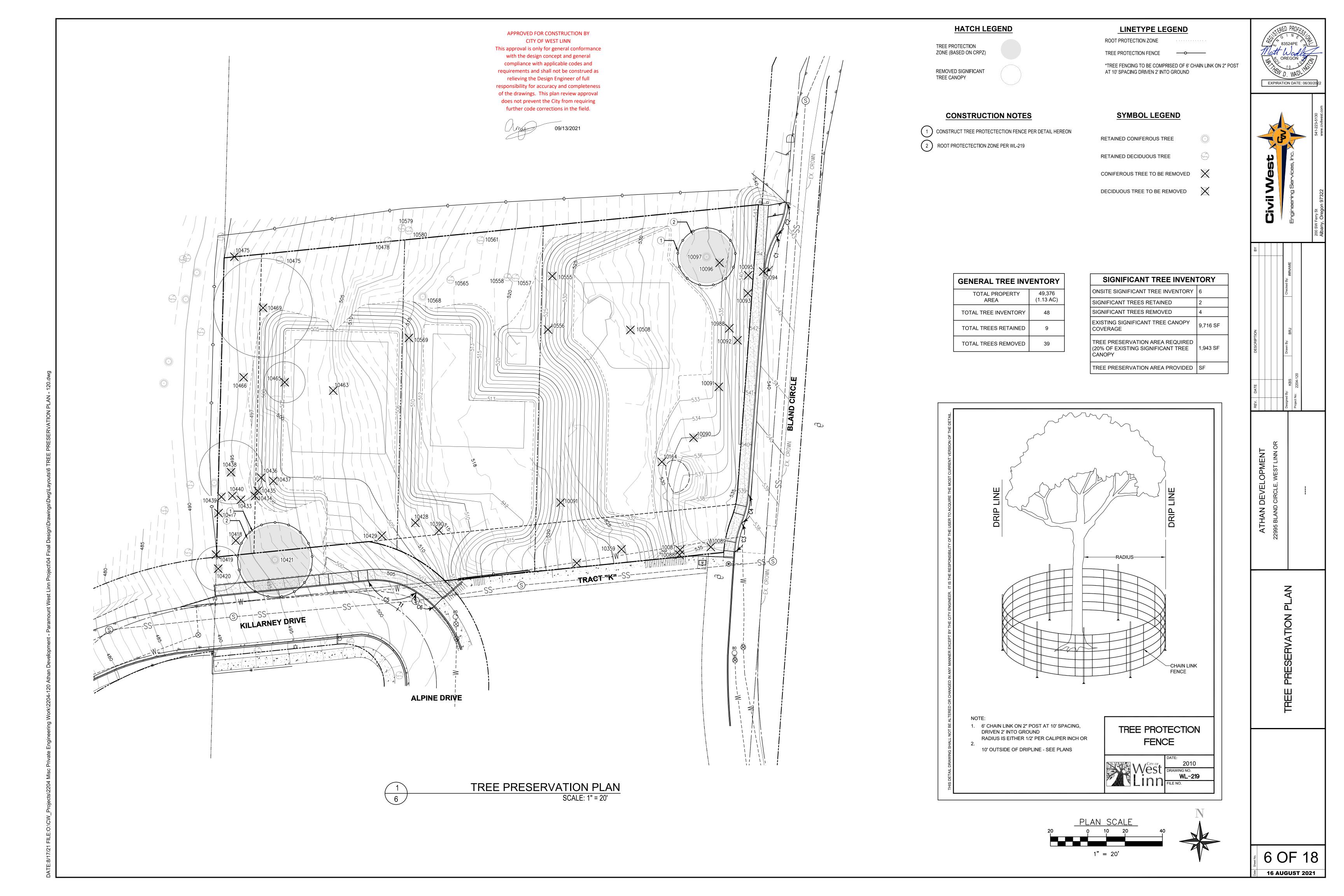
ATHAN DEVELOPMENT
22995 BLAND CIRCLE, WEST LINN OR

PICAL STREET SECTIONS

ON 4 OF 18

16 AUGUST 2021





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MHA16025 Bland Circle Partition - Tree Data 6-X-16 Page 2 of 2

No.	Common Name	DBH*	C-Rad^	Cond [#]	Comments	Sig?	Treatment
10440	sweet cherry			D			
10463	deciduous	6	10	Р	root lifting		
10465	Douglas-fir	22	16	G		S	
10466	Douglas-fir	14	10	F	growing into wire fence		
10469	Douglas-fir	53	32	G		S	
10471	Douglas-fir	45	25	F	red ring rot (conks)		
10475	sweet cherry	8		D			
10508	Port-Orford-cedar	5x14	12	G	susceptible to Port-Orford-cedar root disease		
10555	laurel	5x5	12	F	lean		
10556	deciduous	4x6	12	F			
10557	deciduous	6	8	Р			
10558	potr	56	26	Р	excessive dead branches, branch failures		
10561	bigleaf maple	4x20	30	Р	decay		
10565	laurel	14	14	F			
10568	hemlock	18	18	G			
10569	deodar cedar	27	25	G	tree house built around tree, probable damage		
10578	dogwood	8	6	Р	lean		
10579	bigleaf maple	12	20	Р			
10580	bigleaf maple	25	28	Р	decay		
	paulonia	12	13	G	not surveyed - see drawing for aprox. Location		

*DBH is tree diameter measured at breast height, 4.5-feet above the ground level (inches); codominant trunks splitting below DBH are measured individually and separated by a comma, except for codominant stems of equal size are noted as **^C-Rad** is the average crown radius measured in feet.

 $^{\#}$ Cond is an arborist assigned rating to generally describe the condition of individual trees as follows- \underline{D} ead; \underline{P} cor; \underline{F} air; or **G**ood condition.

Sig? asks whether or not individual trees are considered potentially significant, either Yes (likely significant) or No (not considered significant). Mike Perkins 503-723-2554; 503-557-4700; mperkins@westlinnoregon.gov

Jeff Hanson, Elite Homes & Landscapes Inc.; 503-349-1305; jeff.hanson123@gmail.com

Morgan Holen & Associates, LLC

Consulting Arborists and Urban Forest Management 3 Monroe Parkway, Suite P220, Lake Oswego, OR 97035 morgan.holen@comcast.net | 971.409.9354



MHA16025 Bland Circle Partition - Tree Data 6-X-16

32 14 G susceptible to balsam wooly adelgid

17 12 P topped - utility lines

8 P | trunk damage

18 P lean, one sided crown

3x14 20 F susceptible to bronze birch borer

37 27 G

2x25 23 G

13 12 F 28 23 G

32 20 G

15 F

15 12 F

24 20 G

37 22 G

28 30 G

34 25 G

34 20 G

D

D

Morgan Holen & Associates, LLC

Consulting Arborists and Urban Forest Management

3 Monroe Parkway, Suite P220, Lake Oswego, OR 97035 morgan.holen@comcast.net | 971.409.9354

Page 1 of 2

Sig? Treatment

Morgan Holen

10087 bigleaf maple 10088 bigleaf maple

10089 sumac

10090 noble fir 10091 Douglas-fir

10092 Douglas-fir

10093 Douglas-fir 10094 Douglas-fir

10095 Douglas-fir

10096 Douglas-fir

10097 Douglas-fir

10359 deodar cedar

10417 sweet cherry 10418 bigleaf maple

10419 Douglas-fir

10420 Douglas-fir

10421 Douglas-fir

10428 bigleaf maple

10433 sweet cherry

10434 sweet cherry

10435 sweet cherry

10436 sweet cherry

10437 bigleaf maple 10438 Douglas-fir

10439 sweet cherry

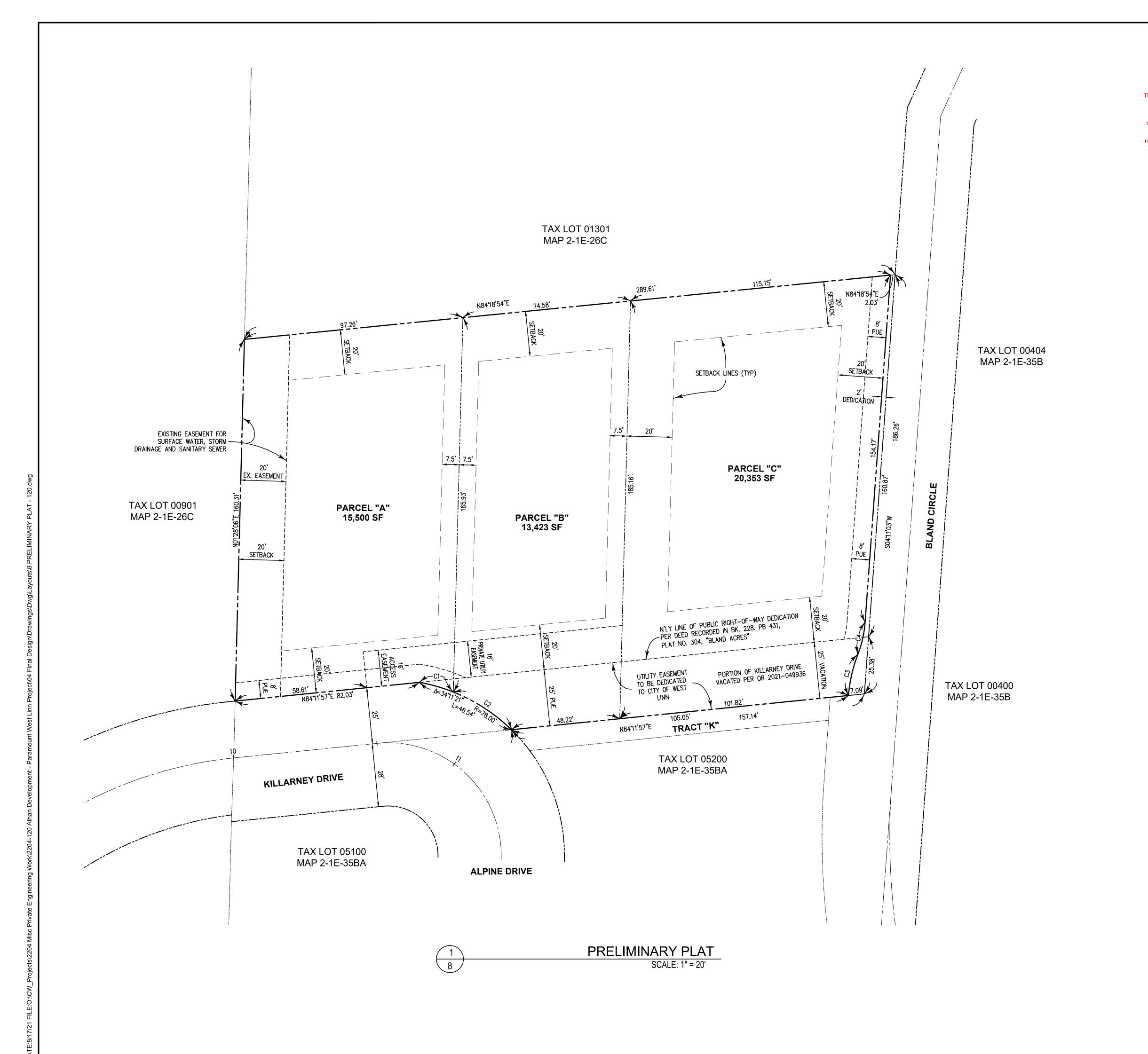
10429 Douglas-fir

10360 western redcedar

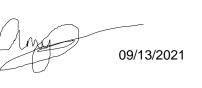
10098 madrone 10164 sumac

No. Common Name DBH* C-Rad^ Cond#

7 OF 18



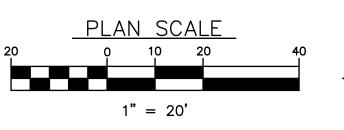
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SETBAC	KS
SETBACK LOCATION	STANDARD (FT)
FRONT	20
SIDE	7.5
STREET SIDE	15
REAR	20
GARAGE DOOR	20
MAX HEIGHT	35
AVERAGE MIN LOT WIDTH	35
MAX LOT COVERAGE	35%

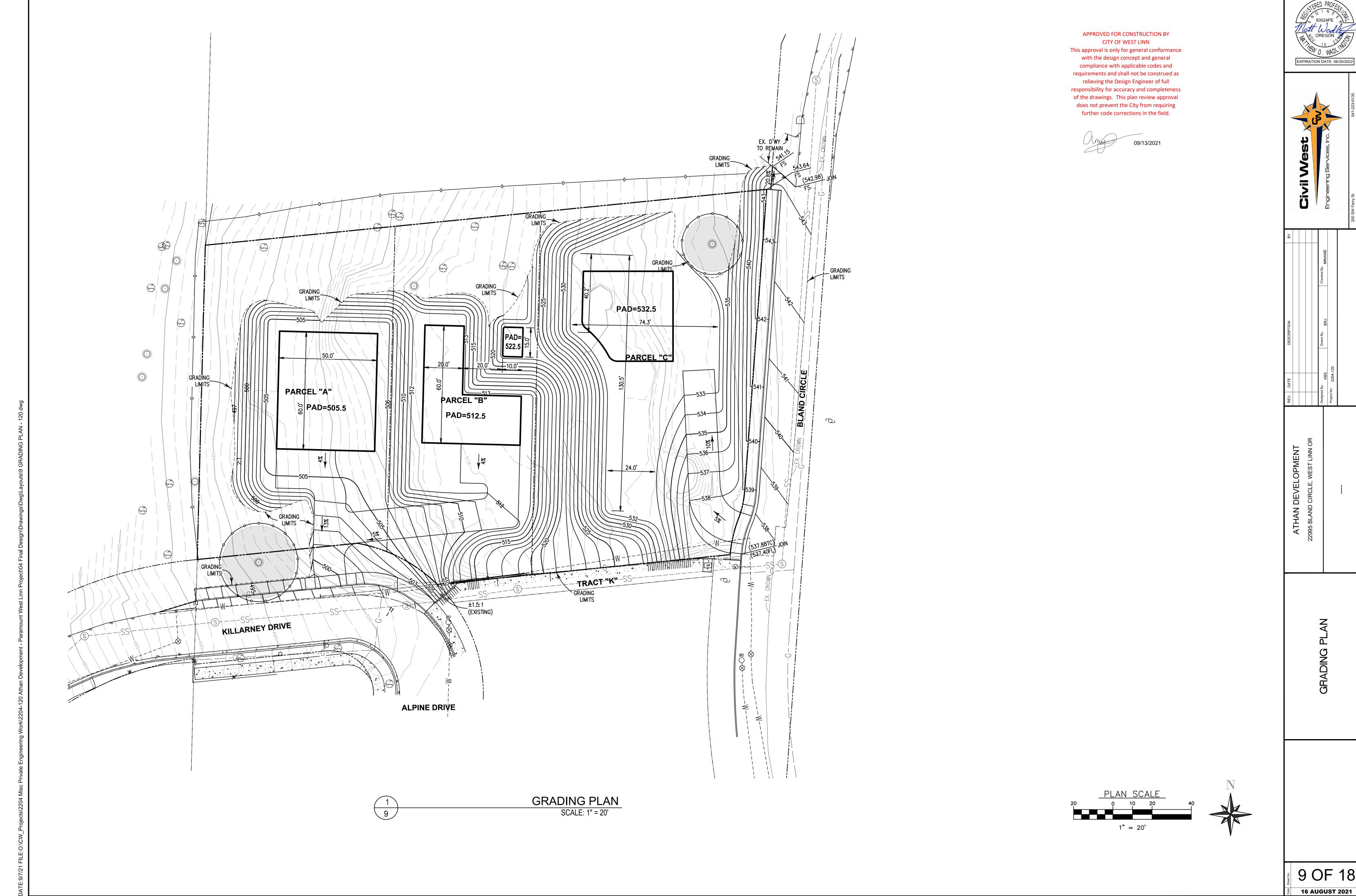
PARCEL DATA			
1.13 AC			
R10			
21E26C			
1400			
3			

	CURVE TABLE					
NO.	RADIUS	DELTA	LENGTH			
C1	78.00'	11°29'51"	46.54'			
C2	78.00'	22°41'31"	30.89'			
C3	65.00'	16°28'23"	18.69'			
C4	50.00'	16°55'50"	14.77'			



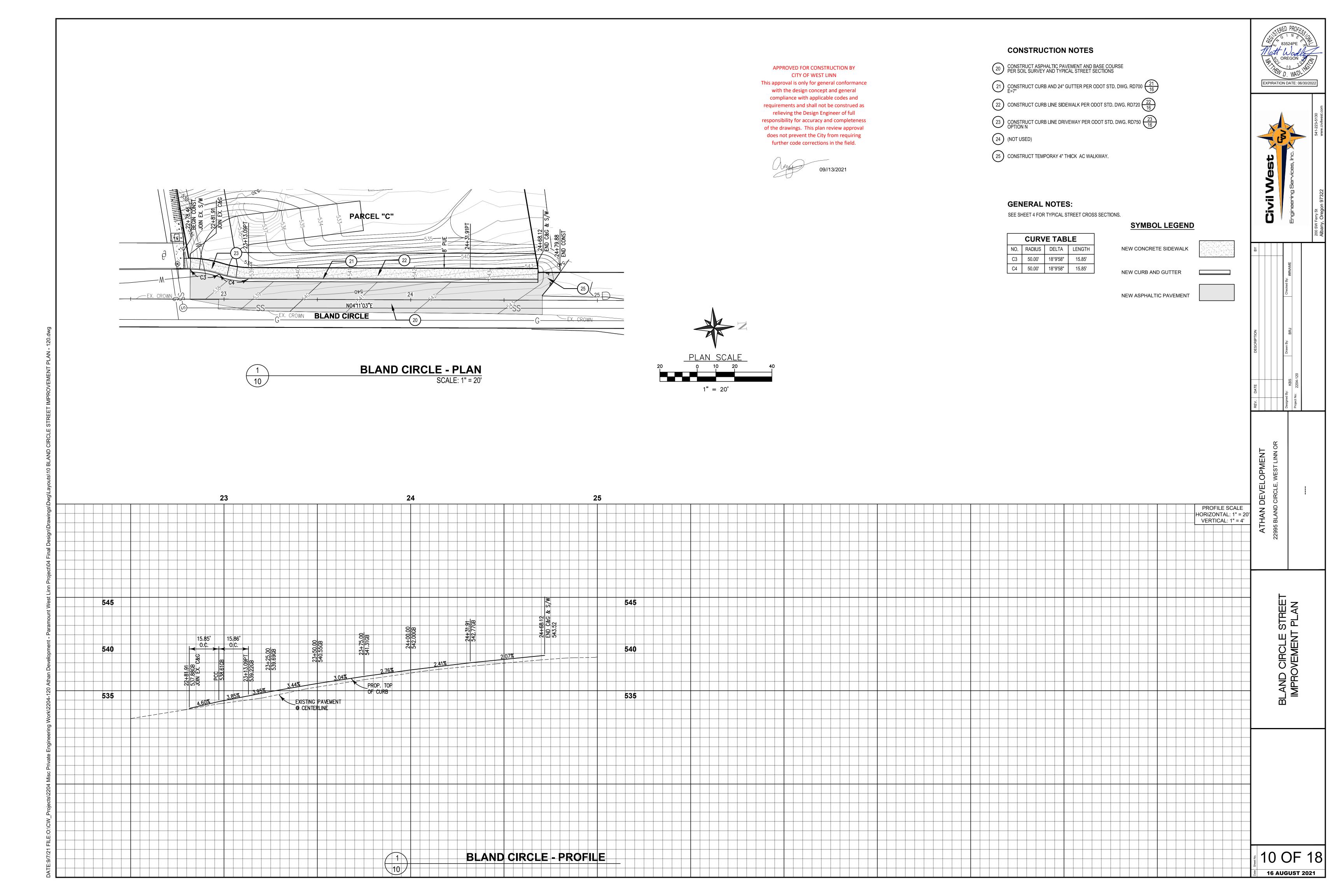


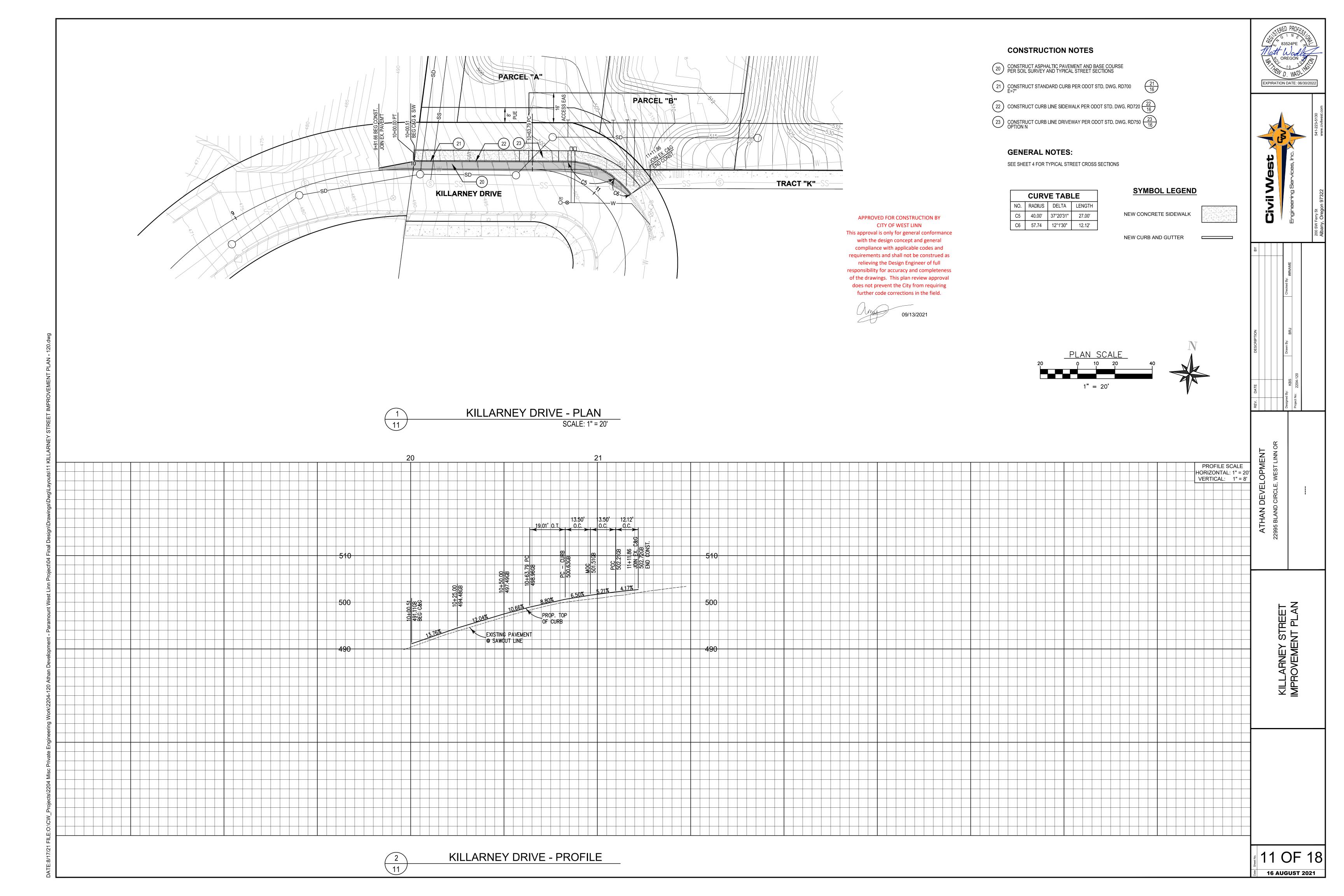
8 OF 18

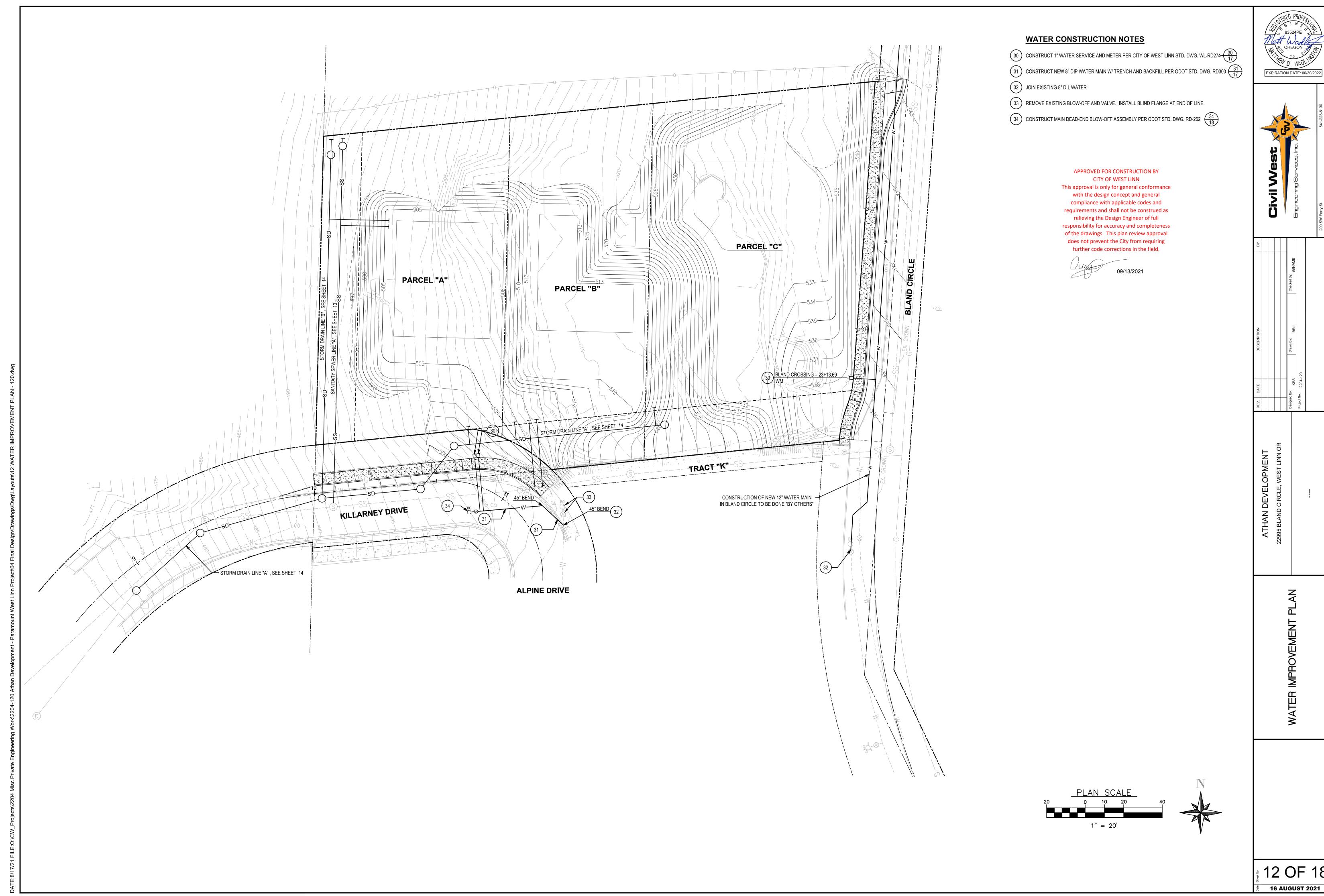




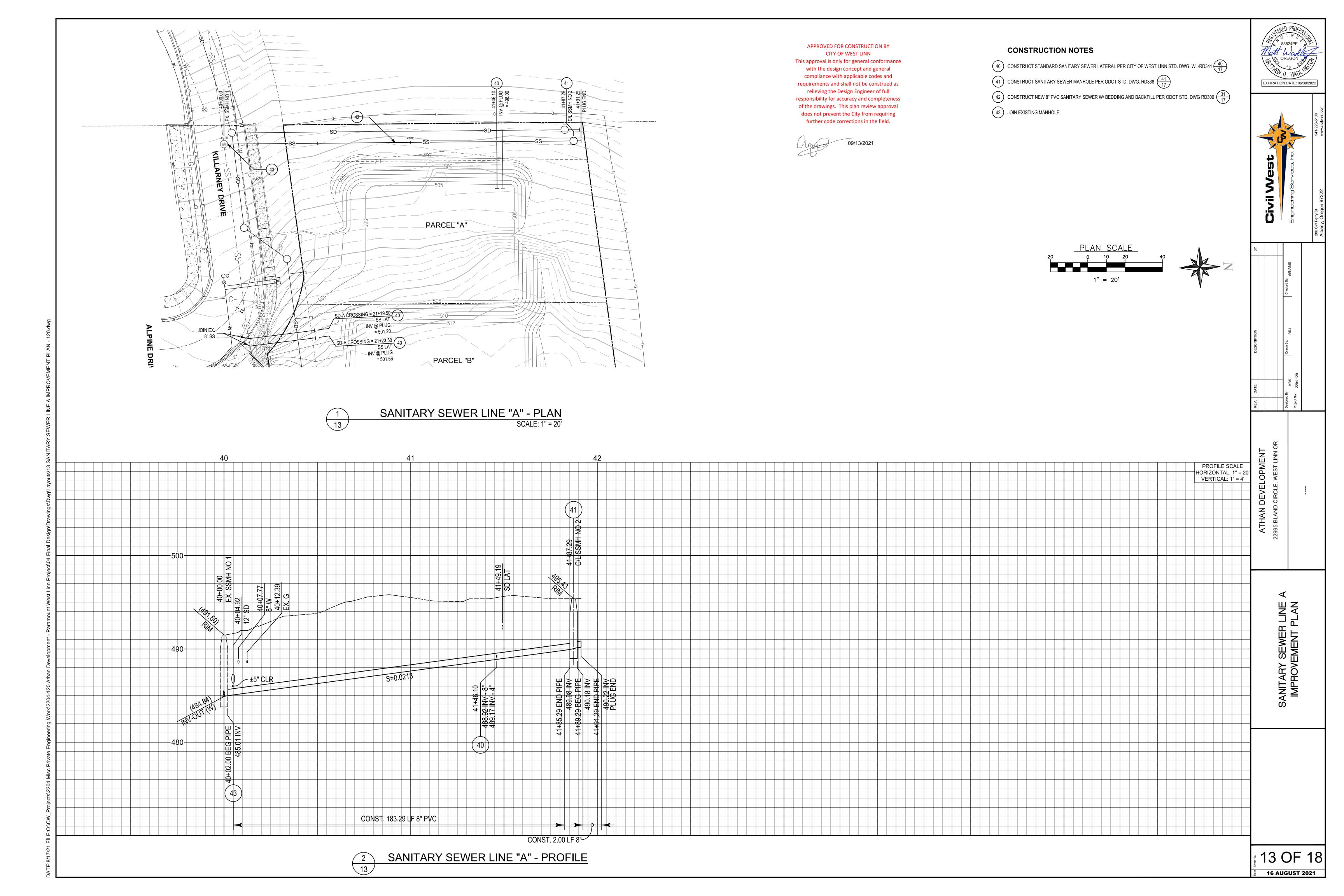
9 OF 18

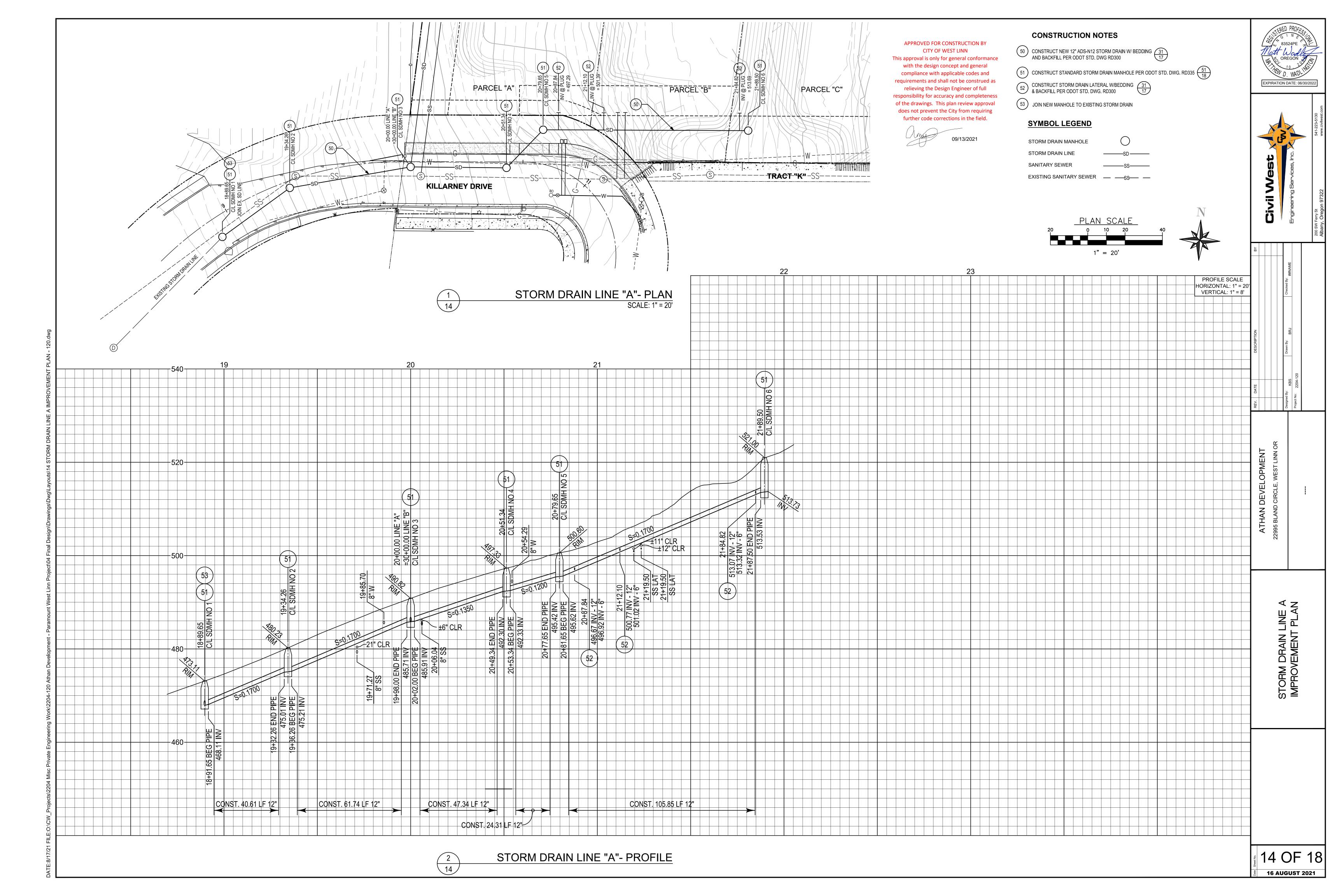


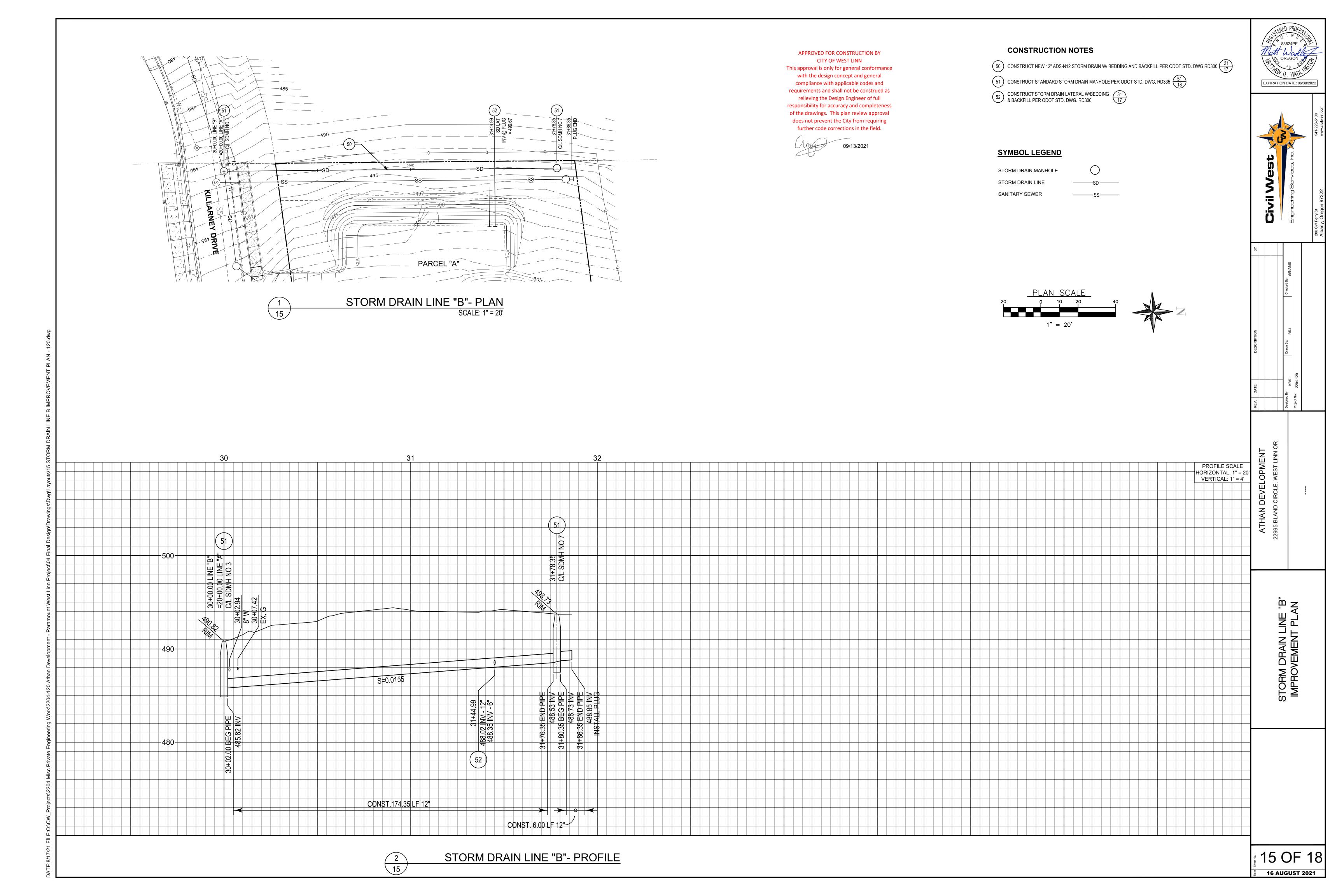


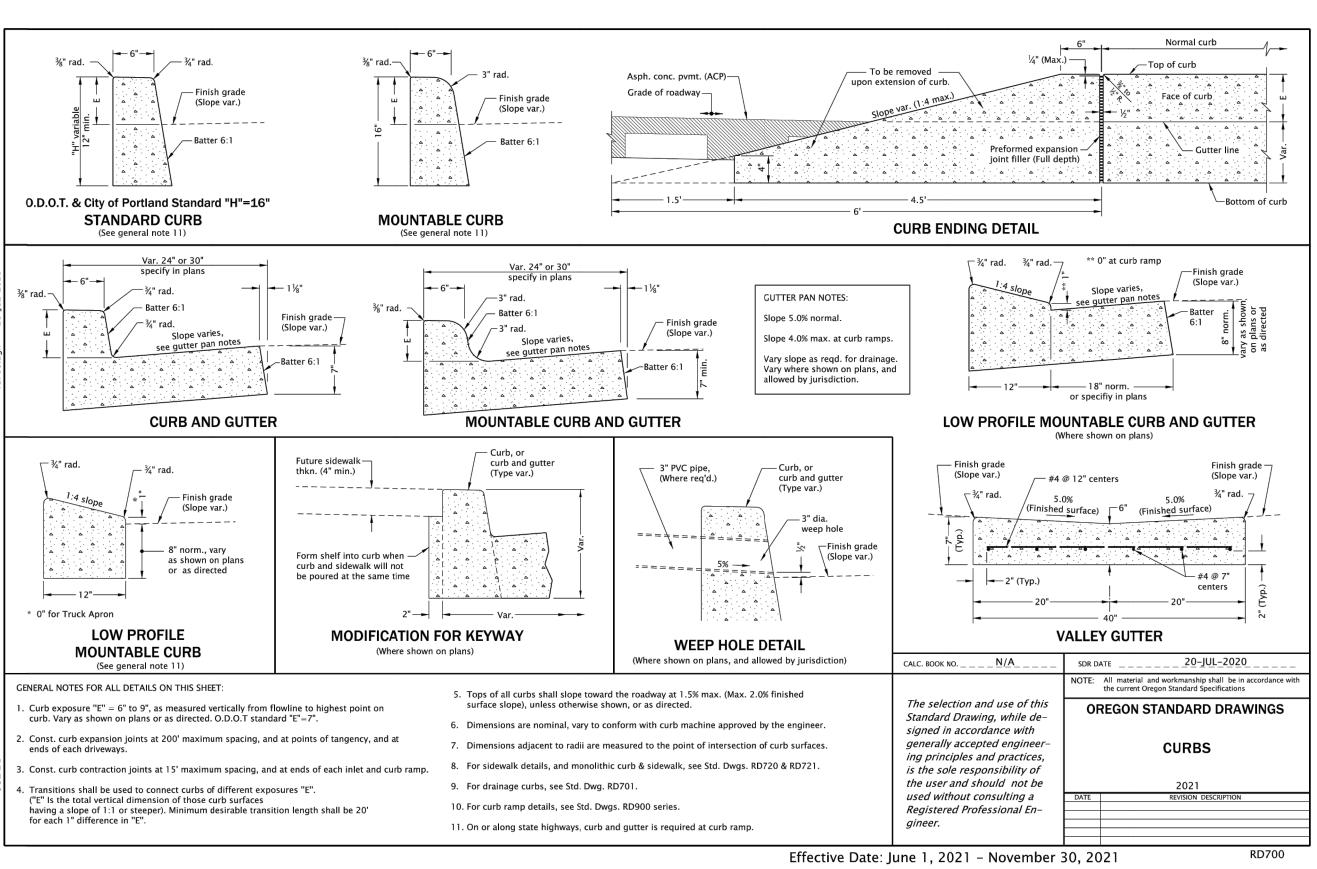


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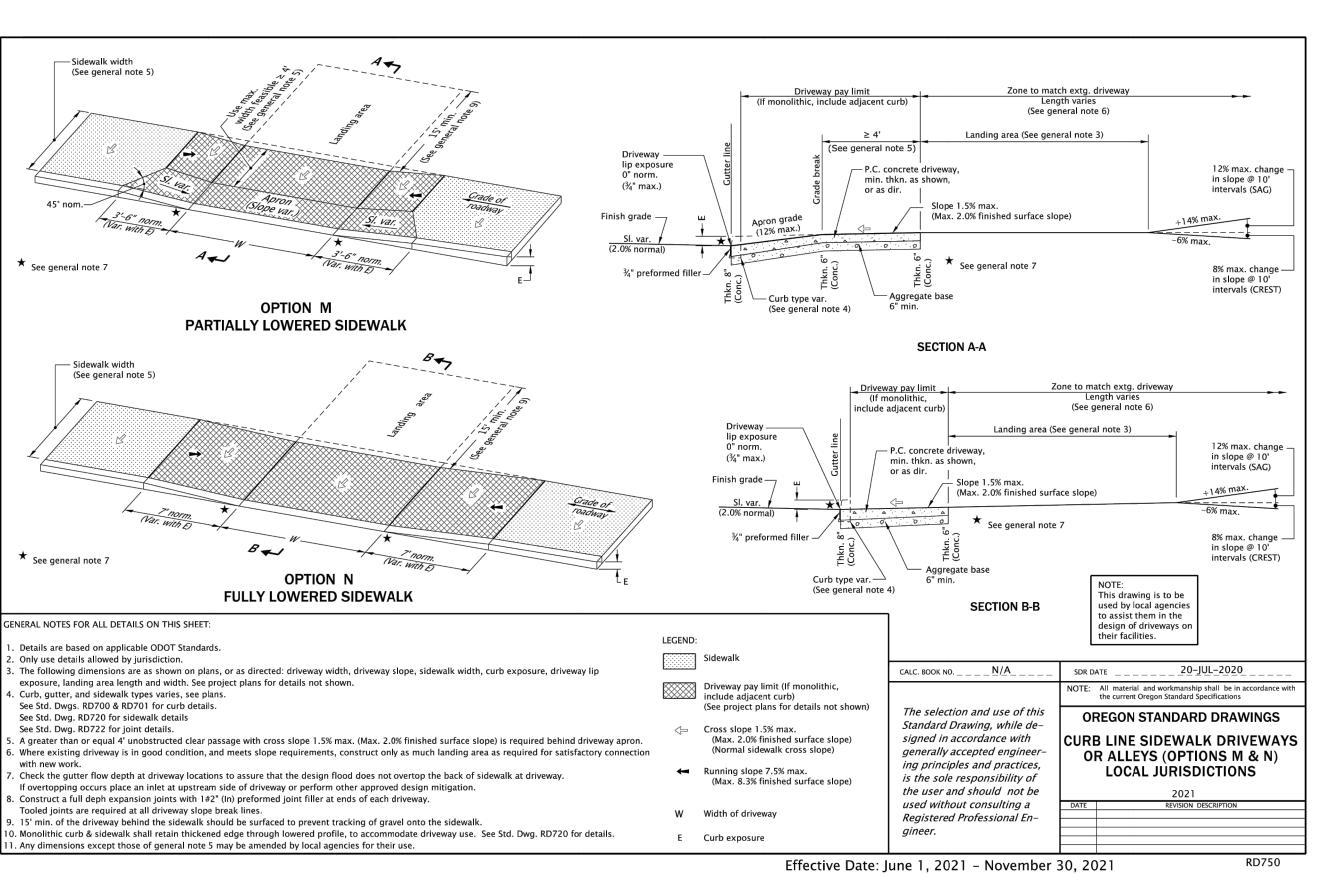


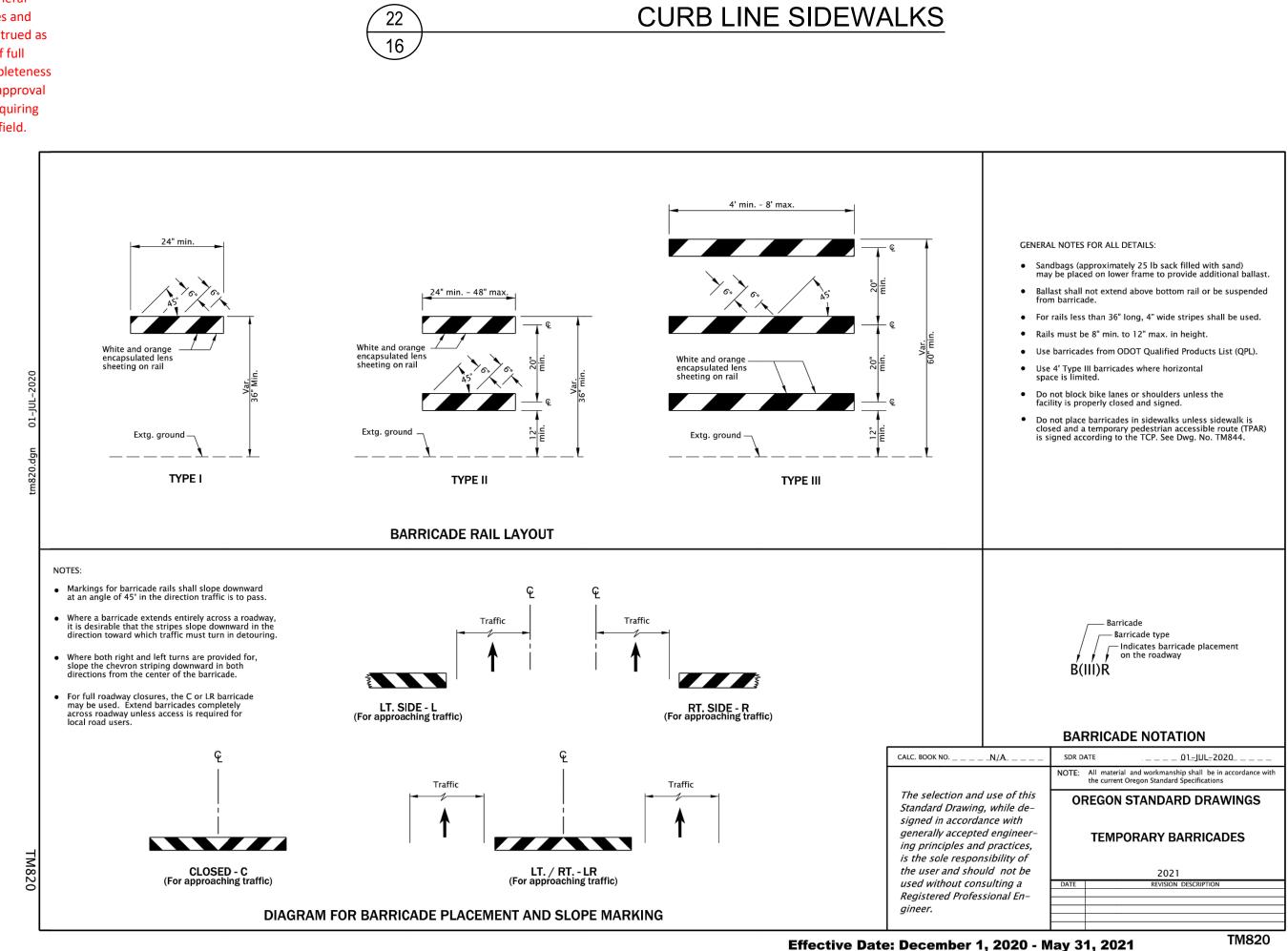
\ 16 **

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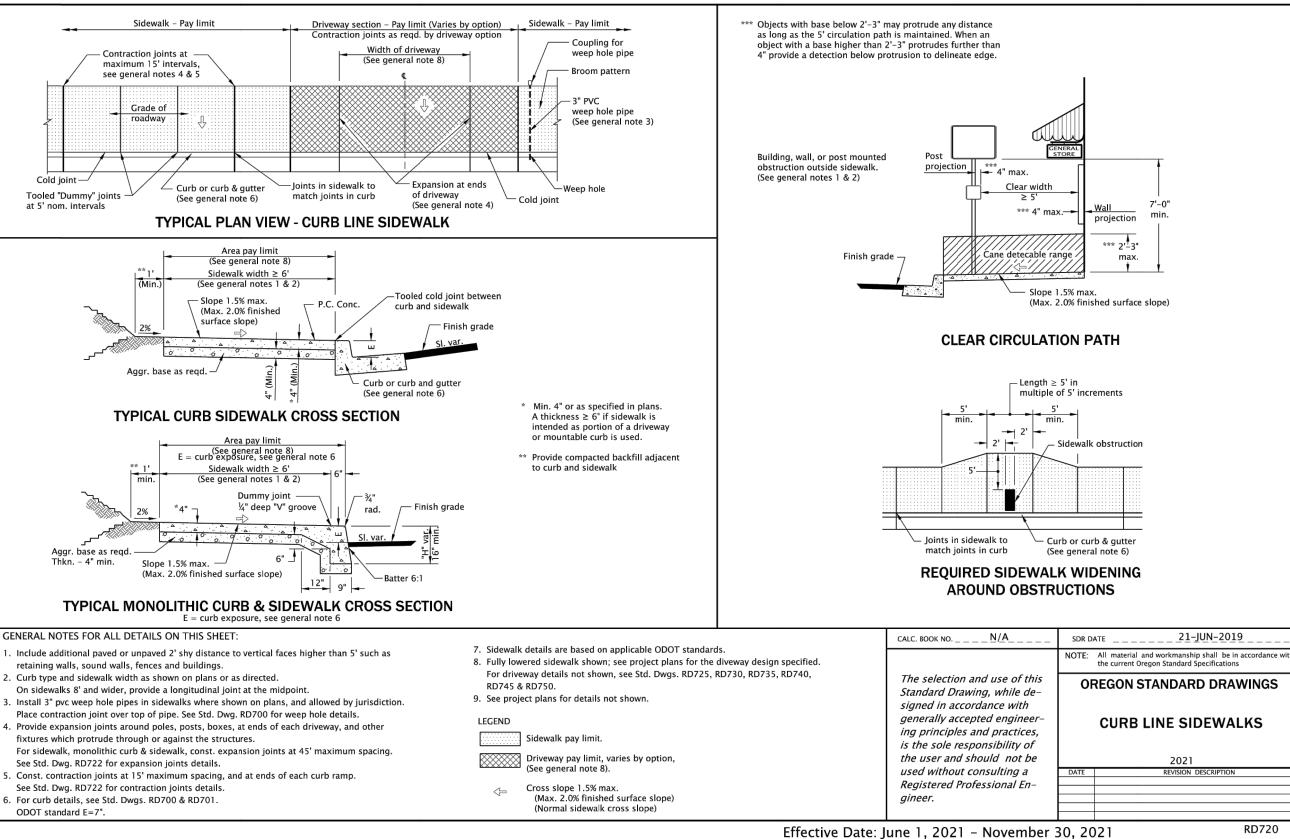
〔16〕

CURB LINE SIDEWALKS





TEMPORARY BARRICADES



EXPIRATION DATE: 06/30/2

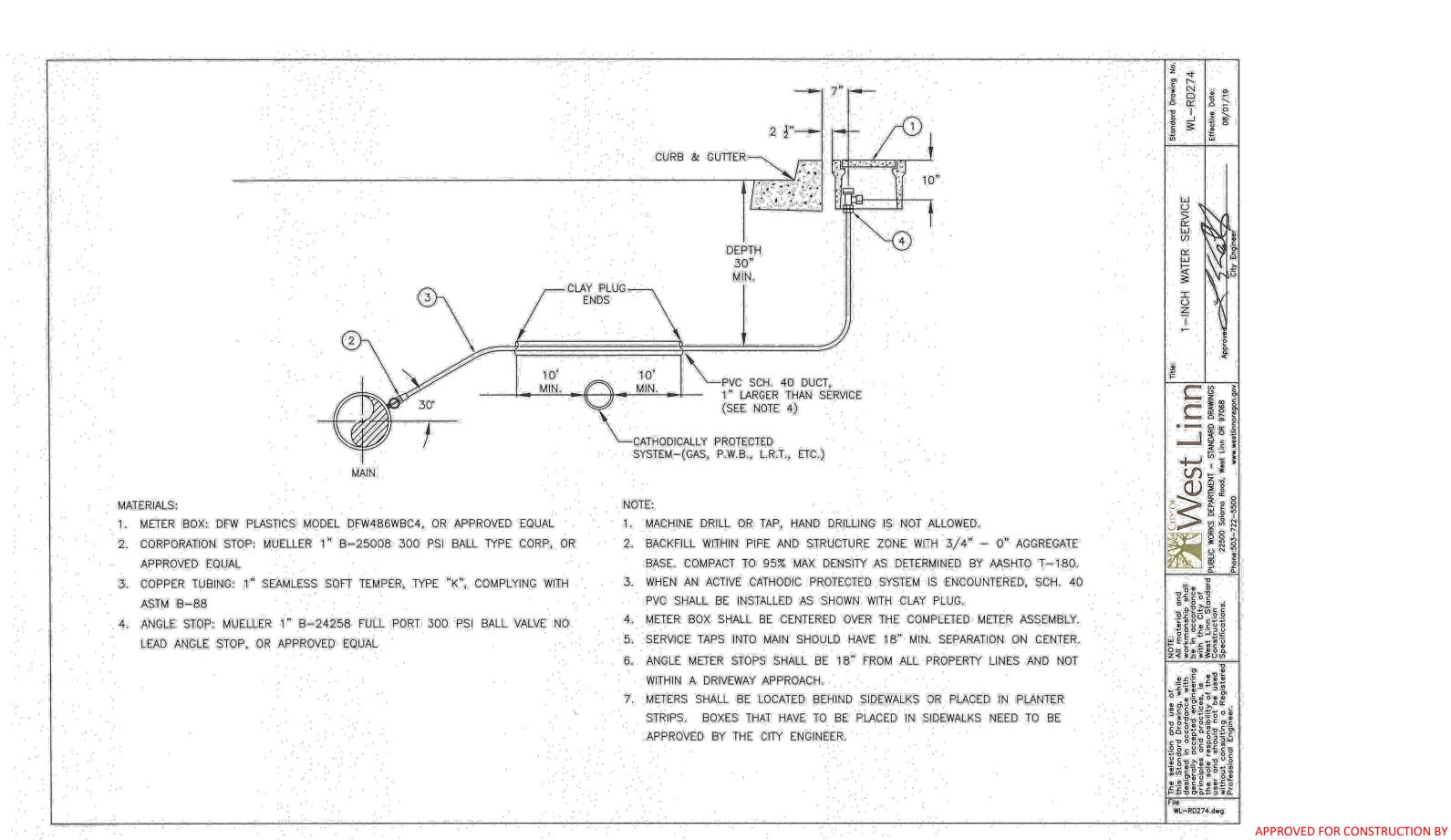
DEVEL ATHAN

TM820

16 OF 18 **16 AUGUST 2021**

CURB LINE DRIVEWAY

CURBS



MULTIPLE INSTALLATIONS as directed Up to 48" TABLE A 48" to 72" One half (½) dia. of pipe (See general Pipe diameter/ "C" Pipe bedding, Trench foundation stabilization, as required GENERAL NOTES FOR ALL DETAILS ON THIS SHEET: . Surfacing of paved areas shall comply with street cut Std. Dwg. RD302. For pipes over 72" diameter. For pipe installation in embankment areas where the trench method will not be used and the pipe is ≥ 36" diameter, increase dimension "B" to nominal pipe see general note 3. 1. Pipes over 72" diameter are structures, and are not applicable to this drawing. 4. See Std. Dwg. RD336 for tracer wire details (When required). CALC. BOOK NO. _ _ N/A_ The selection and use of this OREGON STANDARD DRAWINGS Standard Drawing, while designed in accordance with TRENCH BACKFILL, BEDDING, generally accepted engineer-PIPE ZONE AND MULTIPLE ing principles and practices, **INSTALLATIONS** is the sole responsibility of the user and should not be used without consulting a Registered Professional En

Effective Date: June 1, 2021 - November 30, 2021

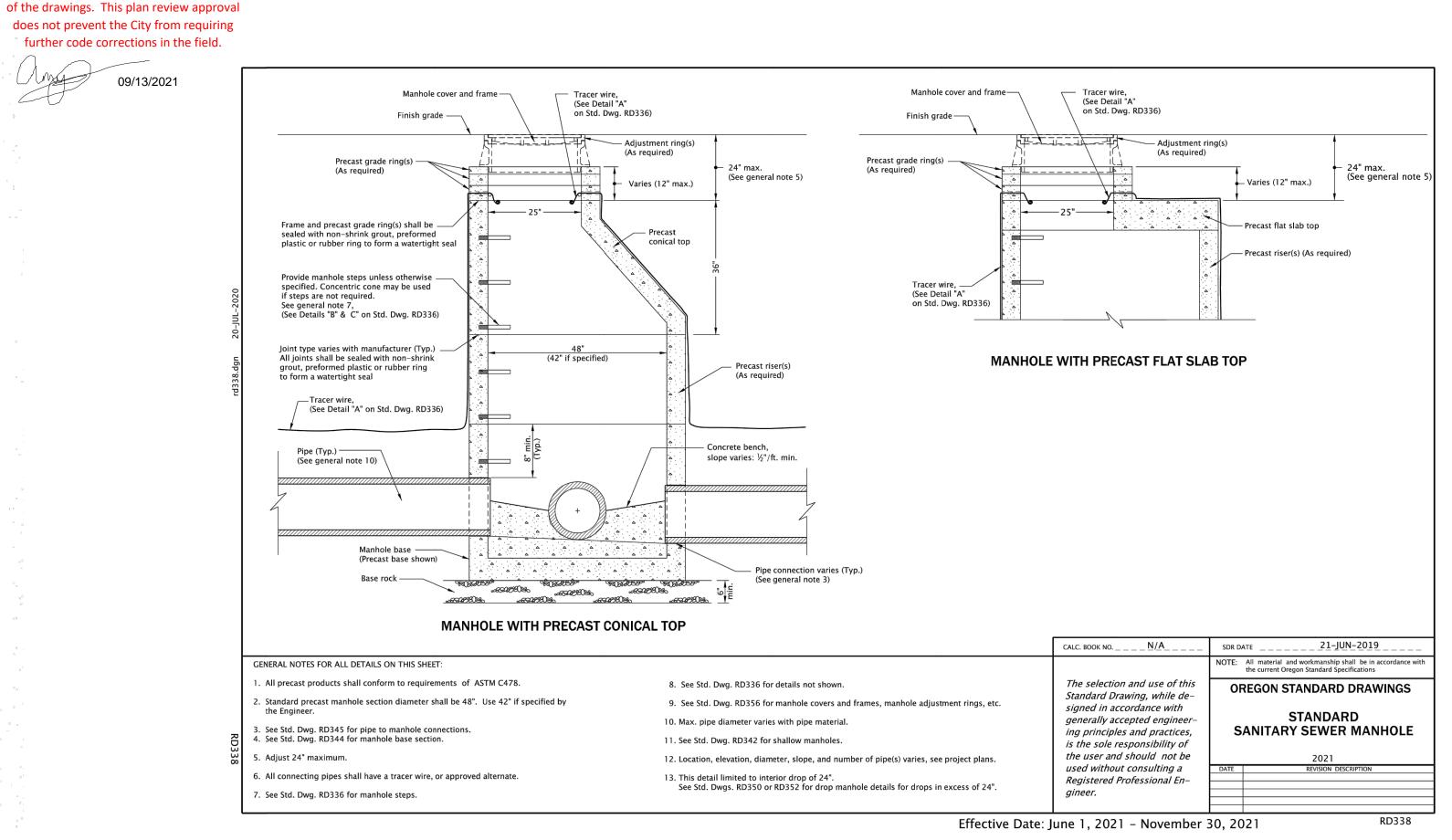
17

CITY OF WEST LINN

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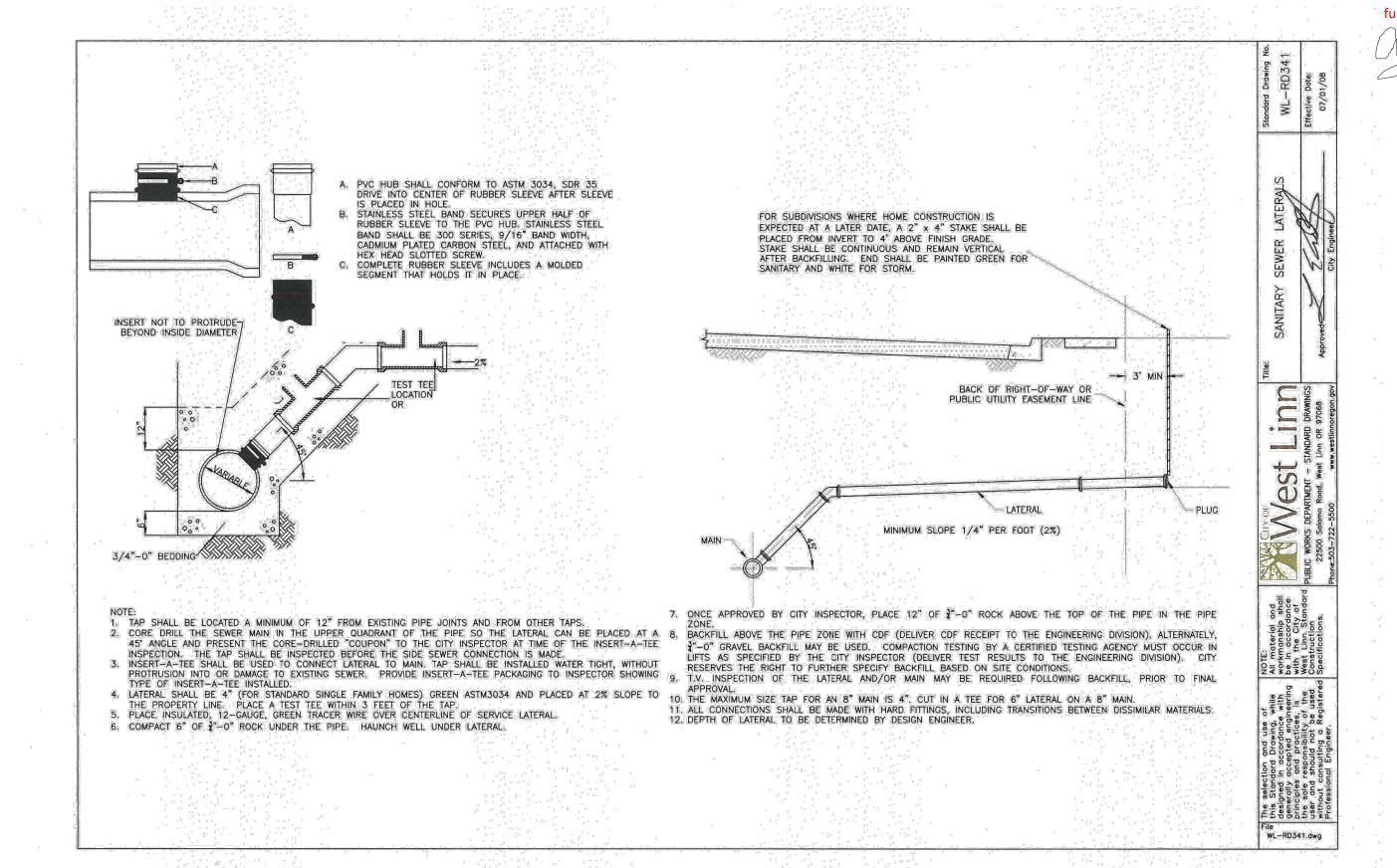
requirements and shall not be construed as relieving the Design Engineer of full responsibility for accuracy and completeness

TRENCH BACKFILL & BEDDING



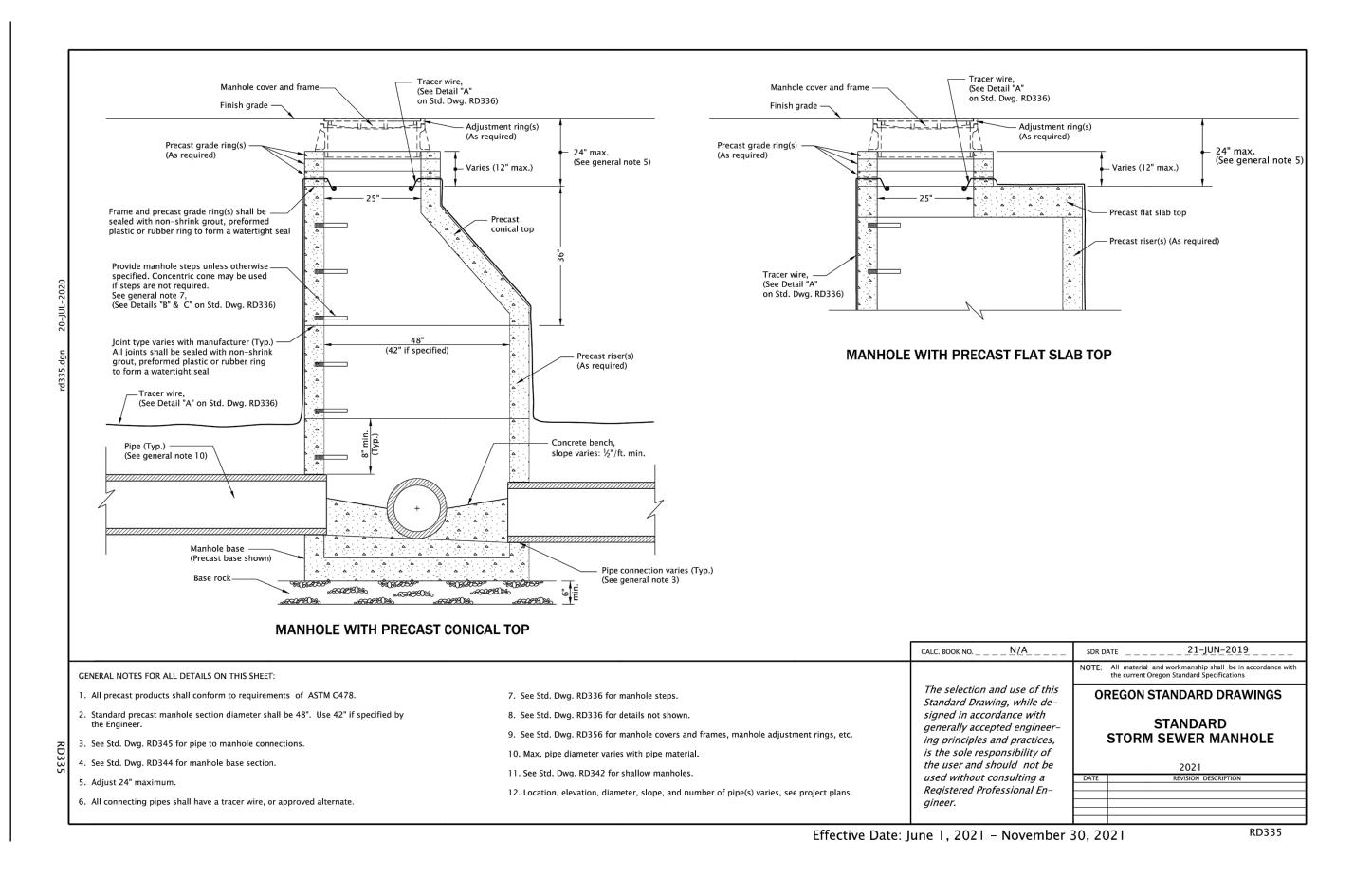
30

1 INCH WATER SERVICE



41 17

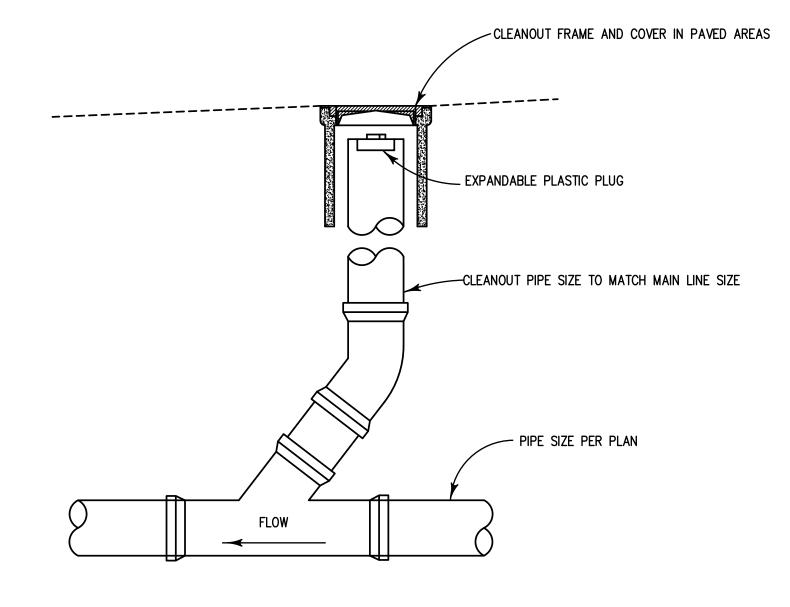
DEVEL



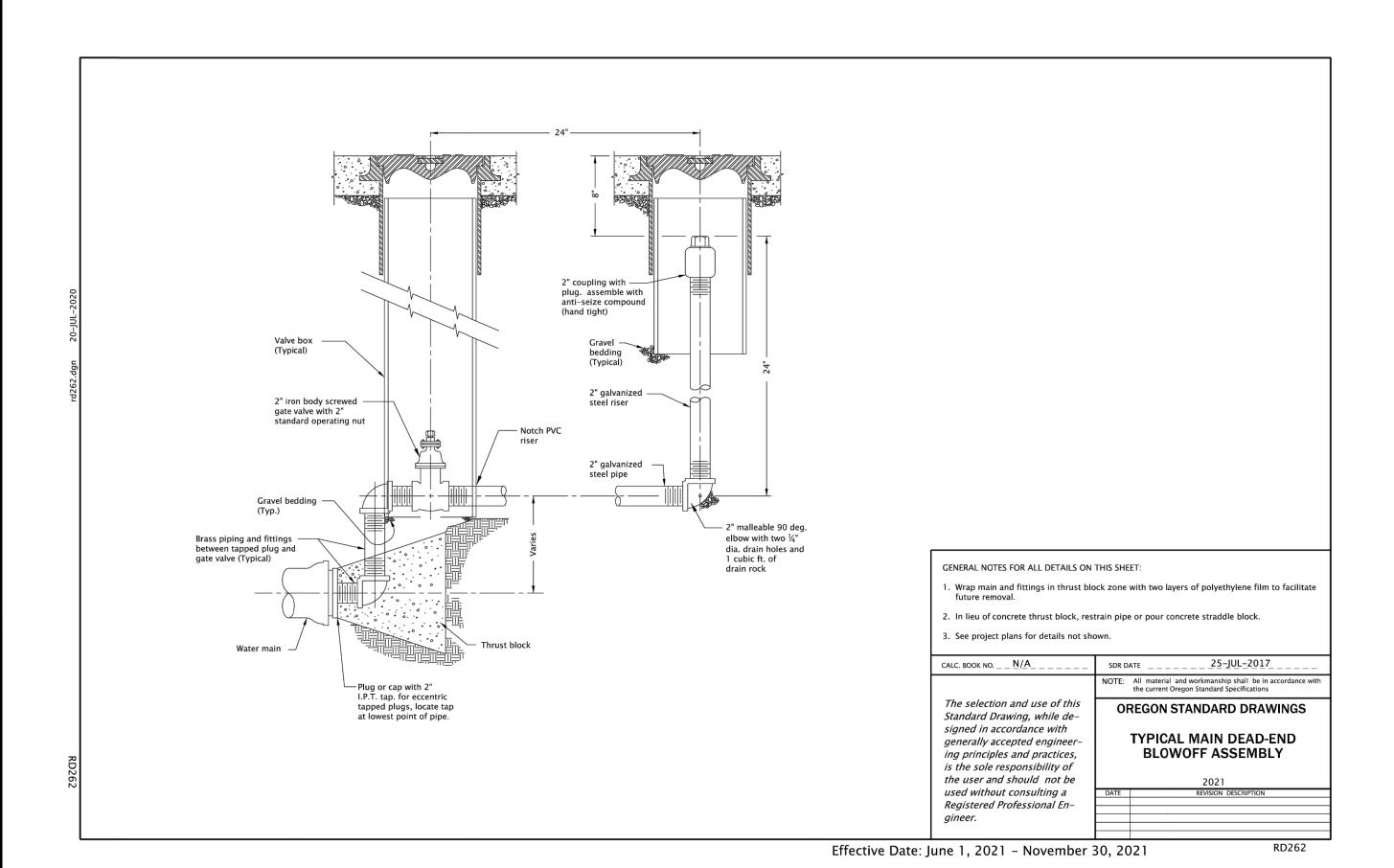
STORM DRAIN MANHOLE

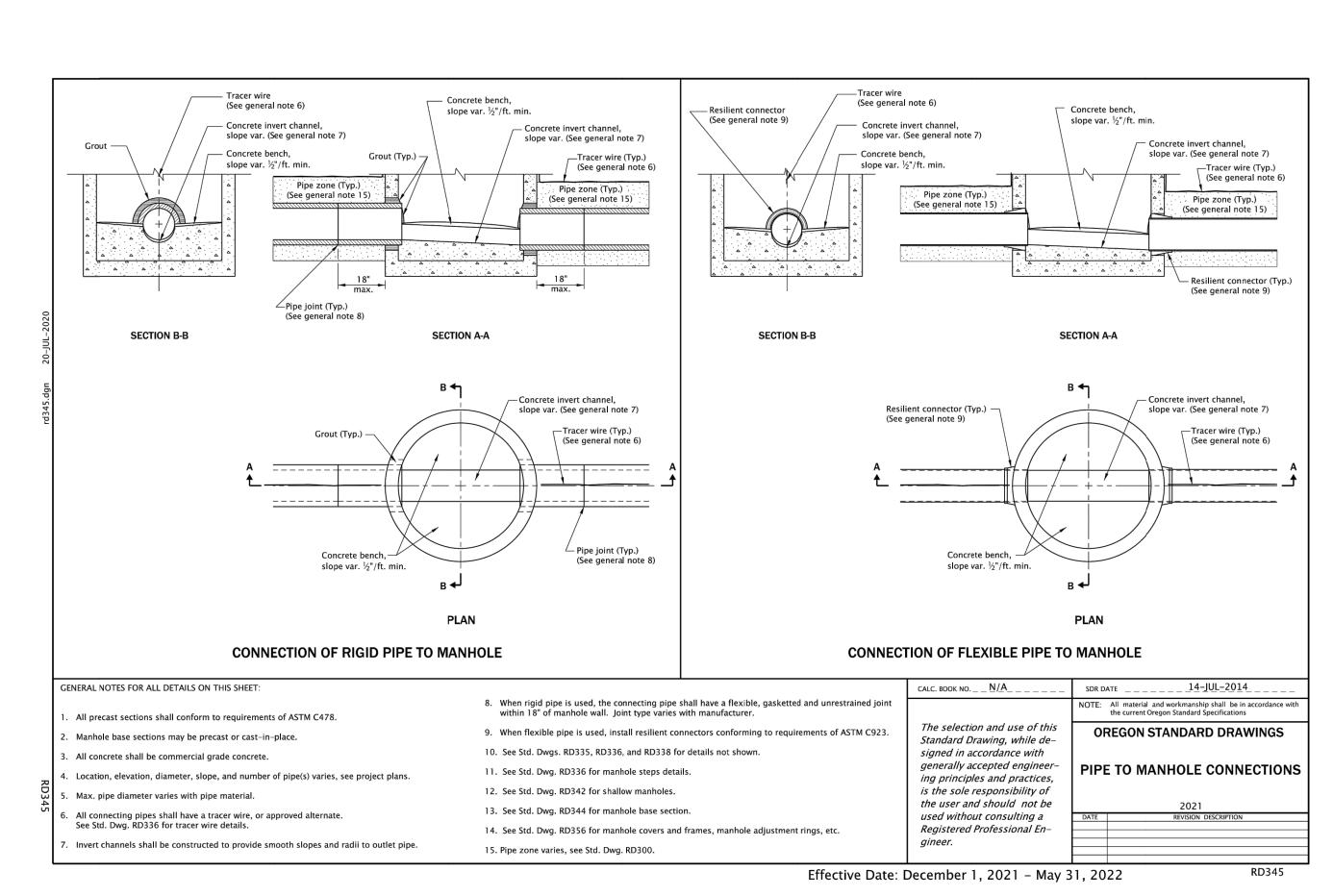
BLOWOFF ASSEMBLY

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SEWER AND DRAIN CLEANOUT





STORM DRAIN PIPE TO MANHOLE

18 OF 18 **16 AUGUST 2021**

DEVEL

EROSION CONTROL NOTES

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS. (SCHEDULE A.8.C.I.(3))
- ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SCHEDULE A.12.B AND SCHEDULE B.1)
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SCHEDULE B.1.C AND B.2)
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY.
- DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, THE ABOVE RECORDS MUST BE RETAINED BY THE PERMIT REGISTRANT BUT DO NOT NEED TO BE AT THE CONSTRUCTION SITE. (SCHEDULE B.2.C)
- ALL PERMIT REGISTRANTS MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SCHEDULE A 8.A)
- THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SCHEDULE A.12.C.I)
- 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. (SCHEDULE A.12.C.IV. AND V)
- PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION
- 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. (SCHEDULE A.8.C.I.(1) AND (2))
- 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. (SCHEDULE A.7.A.V)
- MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SCHEDULE A.7.B.I.AND (2(A)(B))
- INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SCHEDULE A.8.C.I.(5))
- CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME. TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS 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. (SCHEDULE A.7.D.I)
- ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SCHEDULE A.8.C.I.(6))
- 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.(SCHEDULE A.8.C.II.(3))
- . ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SCHEDULE A.8.C.I.(7))
- 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. (SCHEDULE A 7.D.II AND A.8.C.I(4))
- WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SCHEDULE A.7.D.II.(5))
- CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SCHEDULE A.6)
- 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. (SCHEDULE A.7.E.I.(2))
- 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. (SCHEDULE A.
- 24. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SCHEDULE A 7.A.IV)
- 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. (SCHEDULE A.9.B.III)
- 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 PLAN APPROVAL BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SCHEDULE A.9.D)
- 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. (SCHEDULE A 7.B)
- 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. (SCHEDULE A
- 9. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND BARE GROUND ACTIVITIES DURING WET WEATHER. (SCHEDULE A.7.A.I)
- SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL
- OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SCHEDULE A.9.C.I)
- 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. (SCHEDULE A.9.C.III& IV)
- 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 DIVISION OF STATE LANDS REQUIRED TIMEFRAME. (SCHEDULE A.9.B.I)
- 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. (SCHEDULE A.9.B.II)
- THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR 30 DAYS OR MORE. (SCHEDULE A.7.F.I)
- 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. (SCHEDULE A.7.F.II)
- 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 DOING SO CONFLICTS WITH LOCAL REQUIREMENTS. (SCHEDULE A.8.C.III(1) AND D.3.C.II AND III)

4 Mis	CONTACT INFORMATION	l	PERMITTEE'S SITE INSPECTOR
.CW_Projects\2204	PROJECT ENGINEER: KERRY SESSIONS, P.E. CIVIL WEST ENGINEERING 200 SW FERRY ST ALBANY, OR 97321 (541) 223-5130	LAND SURVEYOR: CHRIS SHERBY, PLS S&F LAND SERVICES 4858 SW SCHOLLS FERRY RD PORTLAND, OR 97225 (503) 345-0328	COMPANY/AGENCY: MUNITOR INSPECTOR: MIKE KENNEDY CESCL-102, AUG. 18, 2020 PHONE: (503) 396-8711 EMAIL: Wideopen8364@yahoo.com DESCRIPTION OF EXPERIENCE:
NTE:8/17/21 FILE:O:\CW	OWNER: MELISSA FIRESIDE ATHAN DEVELOPMENT 22995 BLAND CIRCLE WEST LINN, OR 97068 (503)686-3125 mfireside@resoluteconsultingpdx.com	CITY OF WEST LINN: AMY PEPPER PUBLIC WORKS SENIOR PROJECT ENGINEER 22500 SALAMO ROAD WEST LINN, OR 97068 (503) 657-0331	GEOLOGIST: J. DOUGLAS GLESS, MSc, RG,CEG, LHG PRES./PRINCIPAL ENGINEERING GEOLOGIST HG SCHLICKER & ASSOCIATES, INC. 607 MAIN STREET, SUITE 200 OREGON CITY, OR 97045 (503) 655-8113

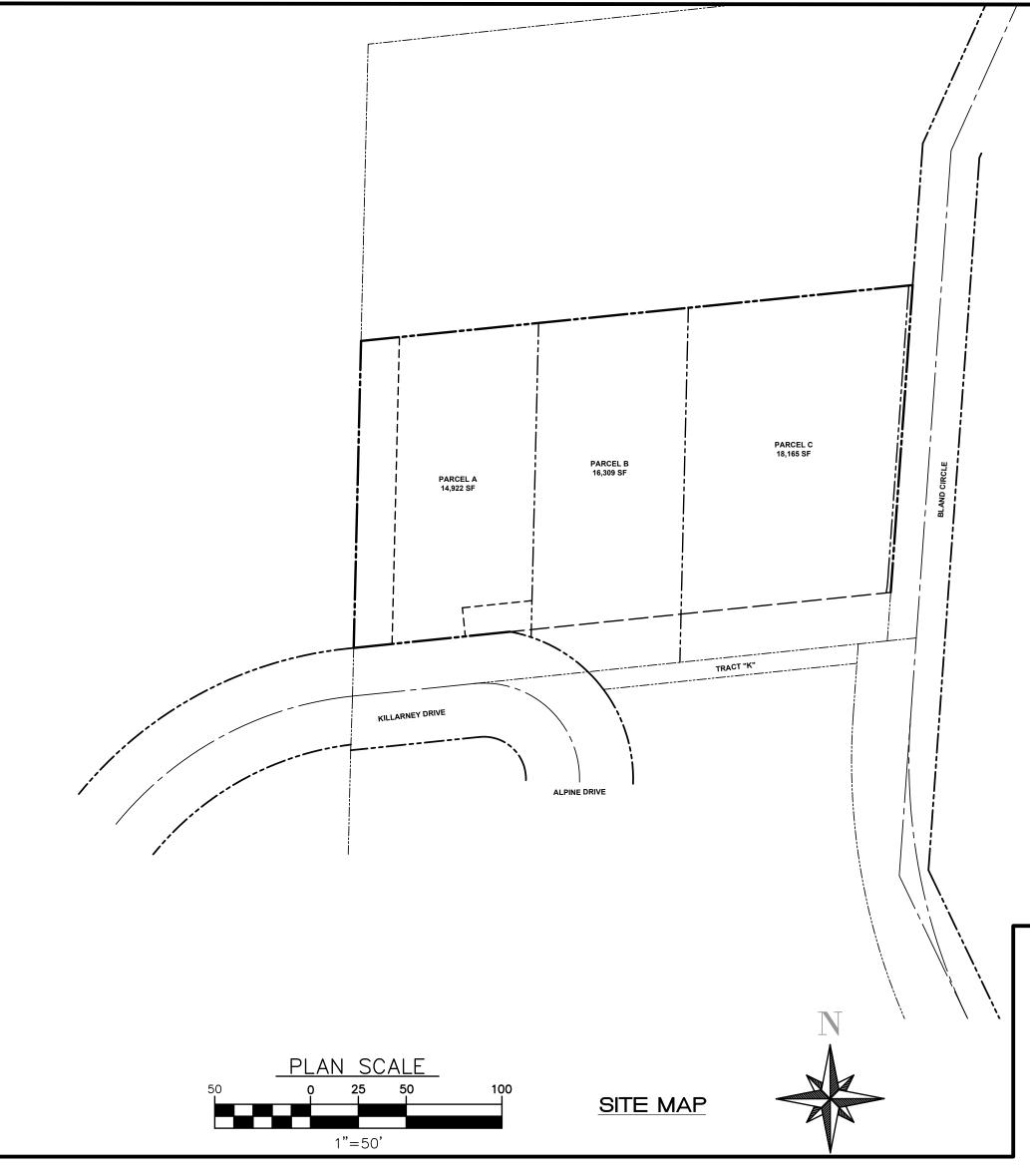
PARAMOUNT WEST LINN

CIVIL IMPROVEMENTS

LOCATED IN

A PORTION OF THE SW 1/4 OF SECTION 26C, T.2 S, R. 1 E,

CITY OF WEST LINN CLACKAMAS COUNTY, OREGON



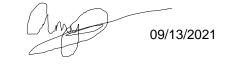
SITE DATA				
AREA	1.04 AC			
ZONING	R10			
TAX MAP	T2SR1E26C			
TAX LOT:	1400			
NO. OF LOTS	3			
·				

NOTICE TO EXCAVATORS

- 1. ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN A COPY OF THE RULES BY CALLING THE CENTER.
- NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987. STAT. AUTH.: ORS 757.542 THROUGH ORS 757.562 AND ORS 757.993.
- 2. THE CONTRACTOR SHALL CONTACT 'ONE CALL' FOR UTILITY LOCATES PRIOR TO EXCAVATION.
- 3. IT IS THE CONTRACTORS RESERVANS BEHATION OF THE CONTRACTORS RESERVANS BEHATING AND HERE AN JOIN POINTS INCLUDING ANY ADDITIONAL EXPLORATORY EXCAVATION TO CONFIRM THE ACCURACY OF THE JOIN POINTS. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED TO THE CONTRACTOR FOR THIS EFFORT.
- 4. THE EXISTING UTILITY CROSSINGS OF THE PIPELINES ARE SHOWN ACCORDING TO AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL THE UTILITY CROSSINGS ALONG THE LENGTH OF THE PIPELINES. AS THE ENGINEER AND THE CITY OF JACKSONVILLE MAKE NO GUARANTEE THAT ALL OF THE EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL EXERCISE DUE CAUTION WHEN EXCAVATING AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OR EXPLORATORY OPERATIONS. IF ANY EXISTING UTILITIES ARE DAMAGED DURING CONSTRUCTION OR EXPLORATORY OPERATIONS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE THE DAMAGED ITEMS TO THE SATISFACTORY OF THE LOCAL GOVERNING AGENCY WITH NO ADDITIONAL COMPENSATION WILL BE PROVIDE TO THE CONTRACTOR THESE NOTED REPAIRS.

APPROVED FOR CONSTRUCTION BY CITY OF WEST LINN

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EXISTING SITE CONDITIONS

THE EXISTING SITE IS A SINGLE TAX LOT WITH AN EXISTING RESIDENTIAL DEVELOPMENT THAT INCLUDES ASPHALT AND CONCRETE DRIVEWAYS TO THE SITE, A STORAGE SHED AND VARIOUS OTHER AMENITIES ASSOCIATED WITH THE RESIDENCE. THERE IS A MODERATE AMOUNT OF TREE COVERAGE ON THE SITE. THE SITE IS ADJACENT TO A PORTION OF BLAND CIRCLE TO THE EAST AND A SIMILAR SINGLE FAMILY DEVELOPMENT EXISTS TO THE NORTH. KILLARNEY ROAD EXISTS TO THE SOUTHWEST OF THE SITE AND TO THE SOUTHEAST IS ANOTHER DEVELOPED RESIDENTIAL PROPERTY. THE SIGHT SLOPES FROM EAST TO WEST AT A MODERATE GRADE TO A VACANT, UNDEVELOPED SITE TO THE WEST.

DEVELOPED CONDITIONS

THE PROPOSED DEVELOPMENT INCLUDES PARTITIONING THE SITE INTO 3 PARCELS THAT WILL EACH HAVE SINGLE FAMILY HOMES CONSTRUCTED ON EACH PARCEL. THE CURRENT DEVELOPMENT WILL CONSIST OF INFRASTRUCTURE AND GRADING IMPROVEMENTS ONLY. INCLUDING WIDENING OF BLAND CIRCLE AND KILLARNEY ROAD, AND CONSTRUCTION OF SANITARY SEWER, WATER AND STORM DRAIN IMPROVEMENTS.

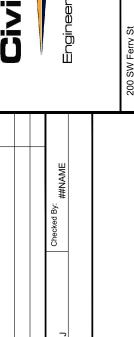
NATURE OF CONSTRUCTION AC	TIVITY AND ESTIMATED TIME TABLE
CLEARING	AUG - SEPT 2021
MASS GRADING	AUG - SEPT 2021
UTILITY INSTALLATION	SEPT - OCT 2021
PAVING CONSTRUCTION	OCT - NOV 2021
FINAL STABILIZATION	OCT - DEC 2021

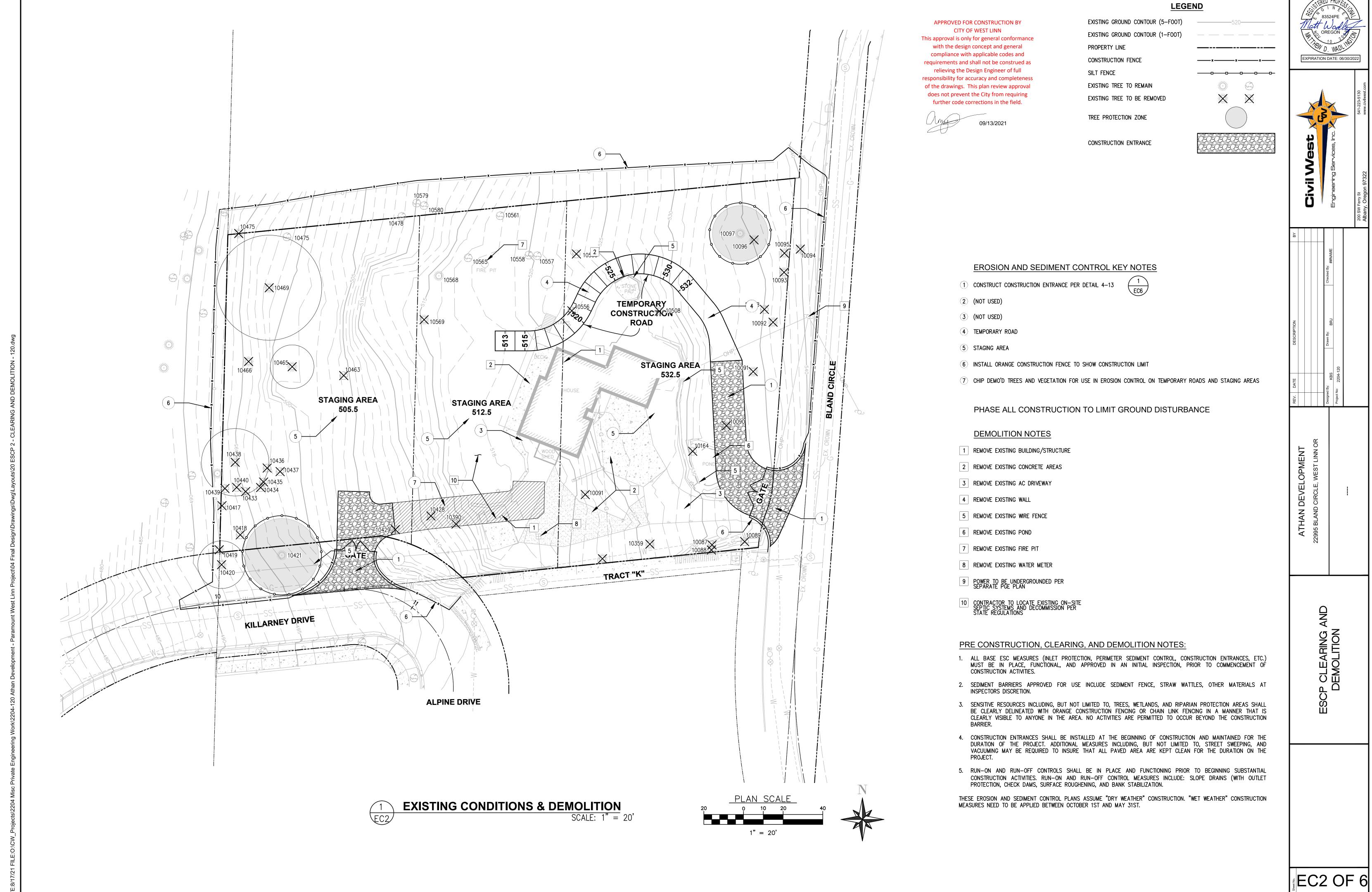
SITE CONDITION	MINIMUM FREQUENCY
ACTIVE PERIOD	(1) DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOW MELT, IS OCCURRING. (2) AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING
PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY	(1) ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. (2) ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
NACTIVE PERIODS GREATER THAN FOURTEEN 14) CONSECUTIVE CALENDAR DAYS	ONCE EVERY MONTH
PERIODS DURING WHICH THE SITE IS NACCESSIBLE DUE TO INCLEMENT WEATHER	IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.
PERIODS DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS	MONTHLY. RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY

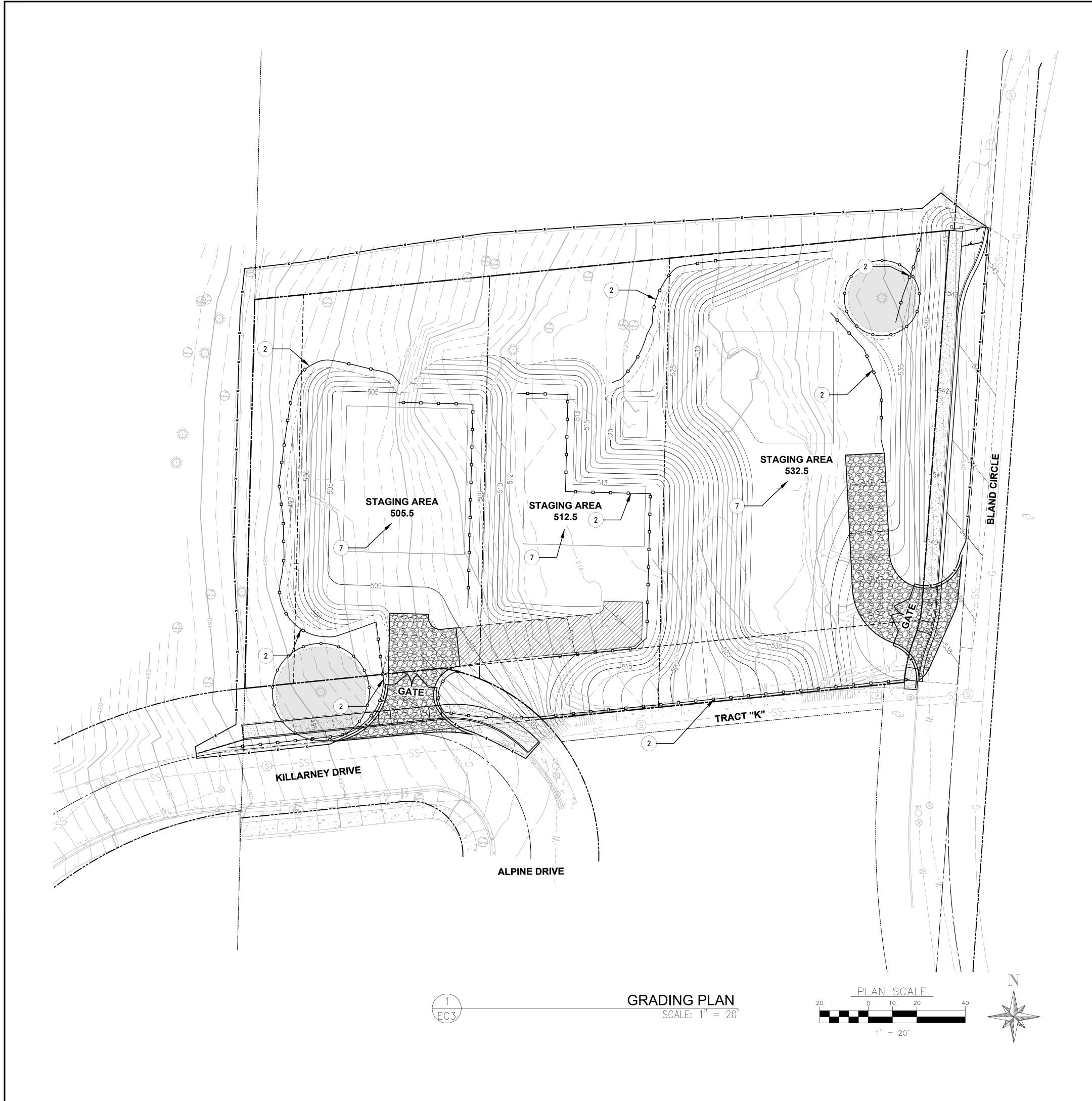
EROSION PREVENTION	CLEARING	MASS GRADING	UTILITY INSTALLATION	PAVING CONSTRUCTION	FINAL STABLIZATION	WET WEATHER (OCT. 1 - MAY 31)
PRESERVE NATURAL VEGETATION	Х	Х	Х	Х	Х	Х
GROUND COVER		Х				
HYDRAULIC APPLICATIONS						
PLAXTIC SHEETING	Х	Х	Х	Х	Х	Х
STRAW MULCH COVER		Х	Х	Х	Х	Х
ROCK COVER						Х
DUST CONTROL	Х	Х	Х	Х	Х	Х
TEMPORARY/PERMANENT SEEDING		Х			Х	Х
BUFFER ZONE	Х	Х	Х	Х	Х	Х
OTHER:						
SEDIMENT CONTROL						
SEDIMENT FENCE	* X	Х	Х	Х	Х	Х
STRAW WATTLES						
FILTER BERM						
IINLET PROTECTION	* X	Х	Х	Х	Х	Х
DEWATERING						
SEDIMENT TRAP						
NATURAL BUFFER ENCROACHMENT	Х	Х	Х	Х	Х	Х
OTHER:						
RUNOFF CONTROL						
CONSTRUCTION ENTRANCE	* X	Х	Х	Х		Х
PIPE SLOPE DRAIN						
OUTLET PROTECTION	Х	Х	Х	Х	Х	Х
SURFACE ROUGHENING		Х			Х	Х
CHECK DAMS						
OTHER:						
POLLUTION PREVENTION						
PROPER SIGNAGE	Χ	Х	Х	Х	Х	Х
HAZ WASTE MANAGEMENT	Χ	Х	Х	Х	Х	Х
SILL KIT ON-SITE	Χ	X	Х	Х	Х	Х
CONCRETE WASHOUT AREA			Х	Х	Х	Х
OTHER						











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further code corrections in the field.

EXISTING GROUND CONTOUR (5-FOOT)

EXISTING GROUND CONTOUR (1-FOOT)

PROPERTY LINE CONSTRUCTION FENCE

SILT FENCE EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

TREE PROTECTION ZONE

CONSTRUCTION ENTRANCE

LEGEND

EROSION AND SEDIMENT CONTROL KEY NOTES

- 2 INSTALL SEDIMENT FENCE PER DETAIL 4-23
- 7 STAGING AREA

GENERAL NOTES:

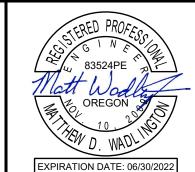
- 1. PHASE ALL CONSTRUCTION TO LIMIT GROUND DISTURBANCE
- 2. ROUGHEN SURFACE AND RESEED UPON COMPLETION OF LOCAL GRADING ACTIVITY
- 3. ADD STRAW WATTLES CROSS SLOPE OF FINAL SURFACE AS NEEDED

GRADING, STREET, AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

- 1. SEED USED FOR TEMPORARY OR PERMANENT SHALL BE COMPOSED OF AN APPROVED MIXTURE.
- 1.1. DWARF GRASS MIX (MIN. 100 LB/AC) 1.1.1. DWARF PERENNIAL RYEGRASS, 80% BY WEIGHT
- CREEPING RED FESCUE, 20% BY WEIGHT
- 2. 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.
- 3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
- 4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH STRAW MULCHING OR OTHER APPROVED MEASURES.
- 5. 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.
- 6. 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 APPROVED MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES
- 7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER OR OTHER APPROVED MEASURES.
- 8. 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 REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 9. 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.
- 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.
- 12. 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.

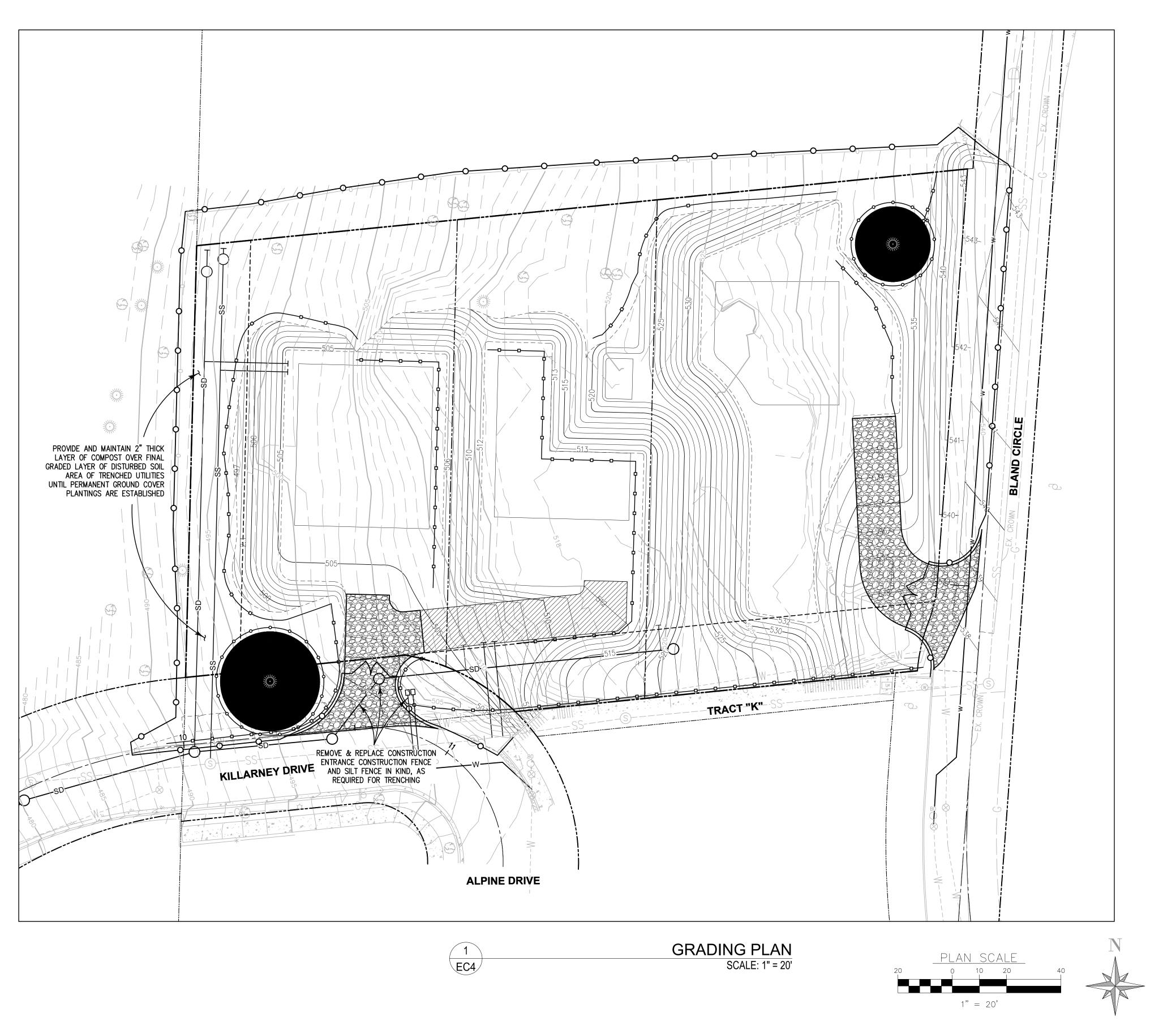
PRE CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:

- 1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 2. THE "STAGING, EQUIPMENT MAINTENANCE, FUELING, PORTA—POTTY, AND SOLID WASTE AREA" IS AS SHOWN ON PLAN.
- 3. ALL "SEDIMENT BARRIERS" SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
- 4. LONG TERM SLOPE STABILIZATION MEASURES INCLUDING MATTING SHALL BE IN PLACE OVER ALL EXPOSED SOILS PRIOR TO "WET WEATHER" SEASON.
- 5. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
- 6. INLET PROTECTION SHALL BE IN PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.





EC3 OF 6 **16 AUGUST 2021**



<u>LEGEND</u>

APPROVED FOR CONSTRUCTION BY
CITY OF WEST LINN

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09/13/202

GENERAL NOTES:

1.1. DWARF GRASS MIX (MIN. 100 LB/AC)

APPROVED MEASURES.

1.1.1. DWARF PERENNIAL RYEGRASS, 80% BY WEIGHT1.1.2. CREEPING RED FESCUE, 20% BY WEIGHT

SEEDING WITH APPROVED MIX AND APPLICATION RATE.

25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES

SPRAY OF WATER OR OTHER APPROVED MEASURES.

SEDIMENT AND SEDIMENT-LADEN WATER.

SHALL BE PICKED UP AND DISPOSED IN THE TRASH.

1. PHASE ALL CONSTRUCTION TO LIMIT GROUND DISTURBANCE

3. ADD STRAW WATTLES CROSS SLOPE OF FINAL SURFACE AS NEEDED

1. SEED USED FOR TEMPORARY OR PERMANENT SHALL BE COMPOSED OF AN APPROVED MIXTURE.

2. ROUGHEN SURFACE AND RESEED UPON COMPLETION OF LOCAL GRADING ACTIVITY

GRADING, STREET, AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

2. 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

3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA

4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH STRAW MULCHING OR OTHER

5. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER"

6. 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 APPROVED MEASURES. SLOPES EXCEEDING

7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE

8. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF

9. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION

10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF

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'

12. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS

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

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.

BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

13. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.

MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.

THE PROJECT, ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY

PERIODS, STOCKPILES SHALL BE COVERED WITH STRAW MULCH, SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE

EXISTING GROUND CONTOUR (5-FOOT)

EXISTING GROUND CONTOUR (1-FOOT

PROPERTY LINE

CONSTRUCTION FENCE

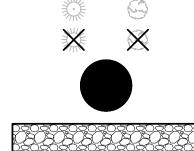
SILT FENCE

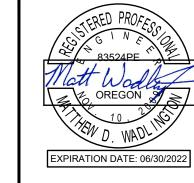
EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

TREE PROTECTION ZONE

CONSTRUCTION ENTRANCE







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ATHAN DEVELOPMENT
22995 BLAND CIRCLE, WEST LINN OR.
PARAMOUNT WEST LINN

CP UTILITIES

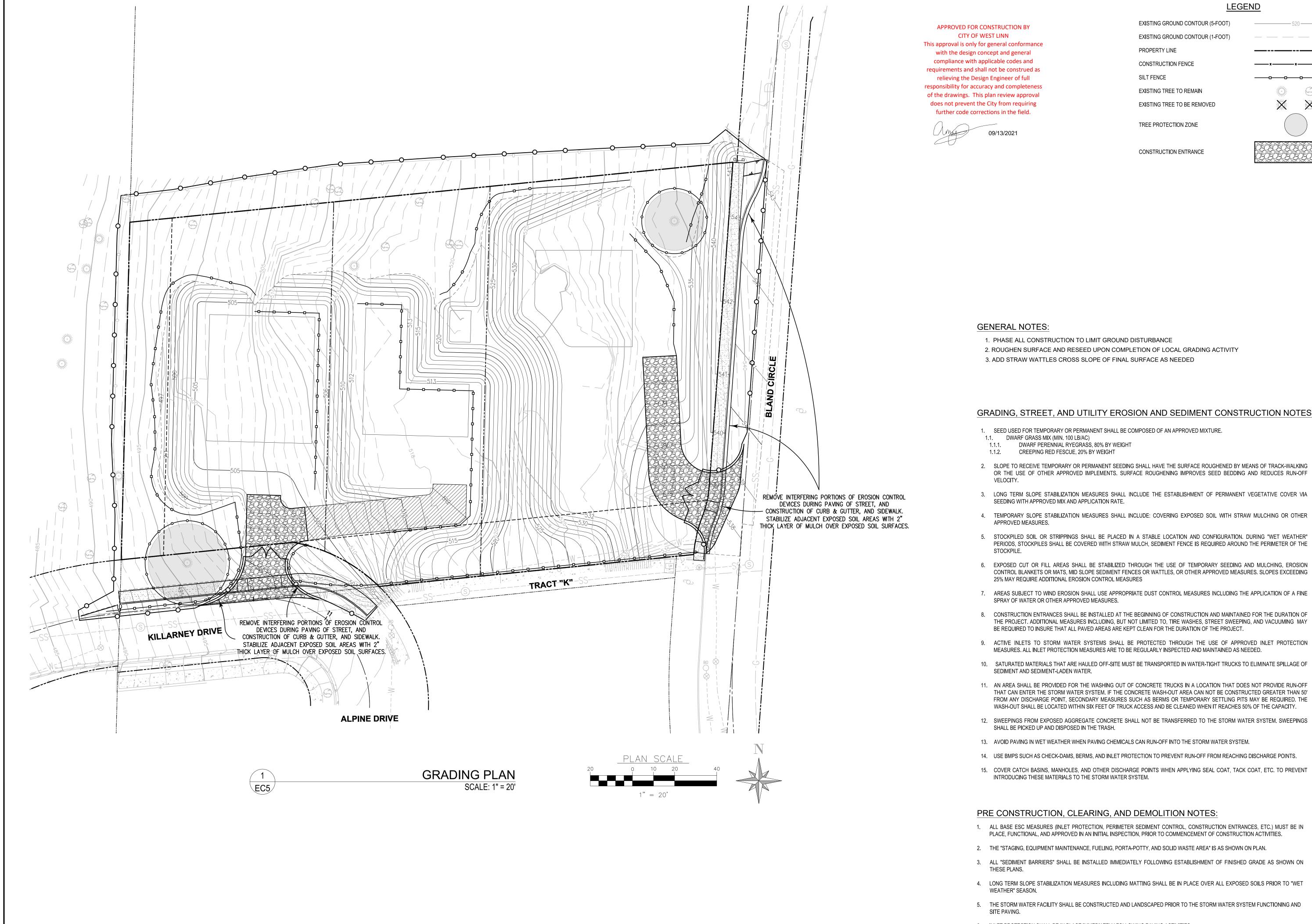
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16 AUGUST 2021

PRE CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:

INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.

- 1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 2. THE "STAGING, EQUIPMENT MAINTENANCE, FUELING, PORTA-POTTY, AND SOLID WASTE AREA" IS AS SHOWN ON PLAN.
- 3. ALL "SEDIMENT BARRIERS" SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON
- 4. LONG TERM SLOPE STABILIZATION MEASURES INCLUDING MATTING SHALL BE IN PLACE OVER ALL EXPOSED SOILS PRIOR TO "WET WEATHER" SEASON.
- 5. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
- 6. INLET PROTECTION SHALL BE IN PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.



LEGEND

EXISTING GROUND CONTOUR (5-FOOT)

EXISTING GROUND CONTOUR (1-FOOT

PROPERTY LINE

CONSTRUCTION FENCE SILT FENCE

EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

CONSTRUCTION ENTRANCE

TREE PROTECTION ZONE

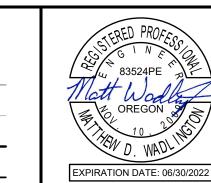
- 1. PHASE ALL CONSTRUCTION TO LIMIT GROUND DISTURBANCE
- 2. ROUGHEN SURFACE AND RESEED UPON COMPLETION OF LOCAL GRADING ACTIVITY
- 3. ADD STRAW WATTLES CROSS SLOPE OF FINAL SURFACE AS NEEDED

GRADING, STREET, AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

- 1. SEED USED FOR TEMPORARY OR PERMANENT SHALL BE COMPOSED OF AN APPROVED MIXTURE.
- DWARF PERENNIAL RYEGRASS, 80% BY WEIGHT
- CREEPING RED FESCUE, 20% BY WEIGHT
- 2. 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
- 3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA
- SEEDING WITH APPROVED MIX AND APPLICATION RATE.
- APPROVED MEASURES.
- 5. 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
- 6. 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 APPROVED MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES
- 7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER OR OTHER APPROVED MEASURES.
- 8. 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 REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 9. 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.
- 10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF
- 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.
- 12. 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.

PRE CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:

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- 5. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND
- 6. INLET PROTECTION SHALL BE IN PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.

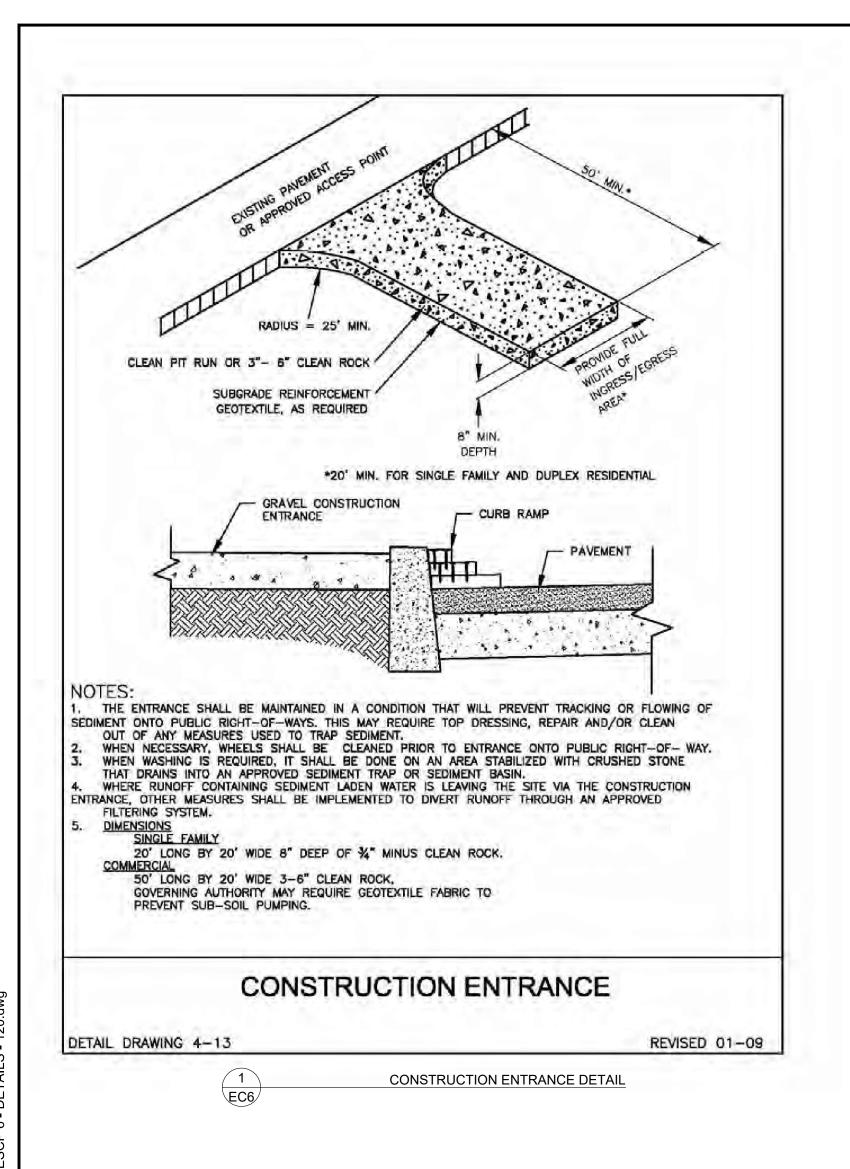




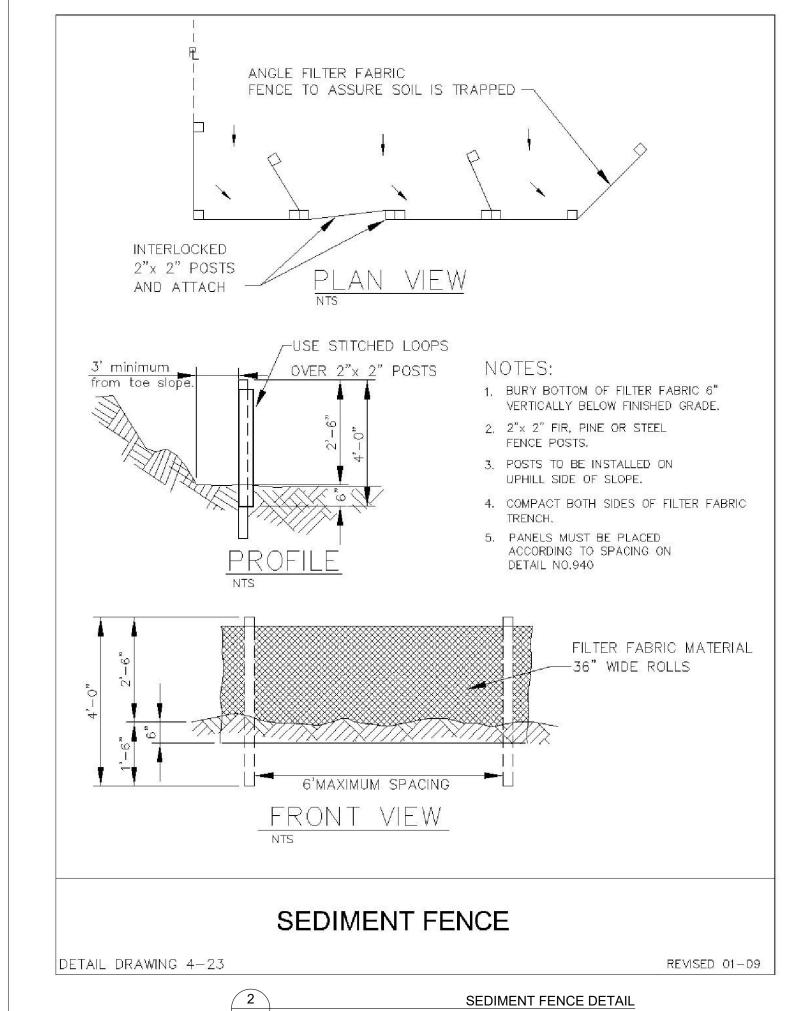
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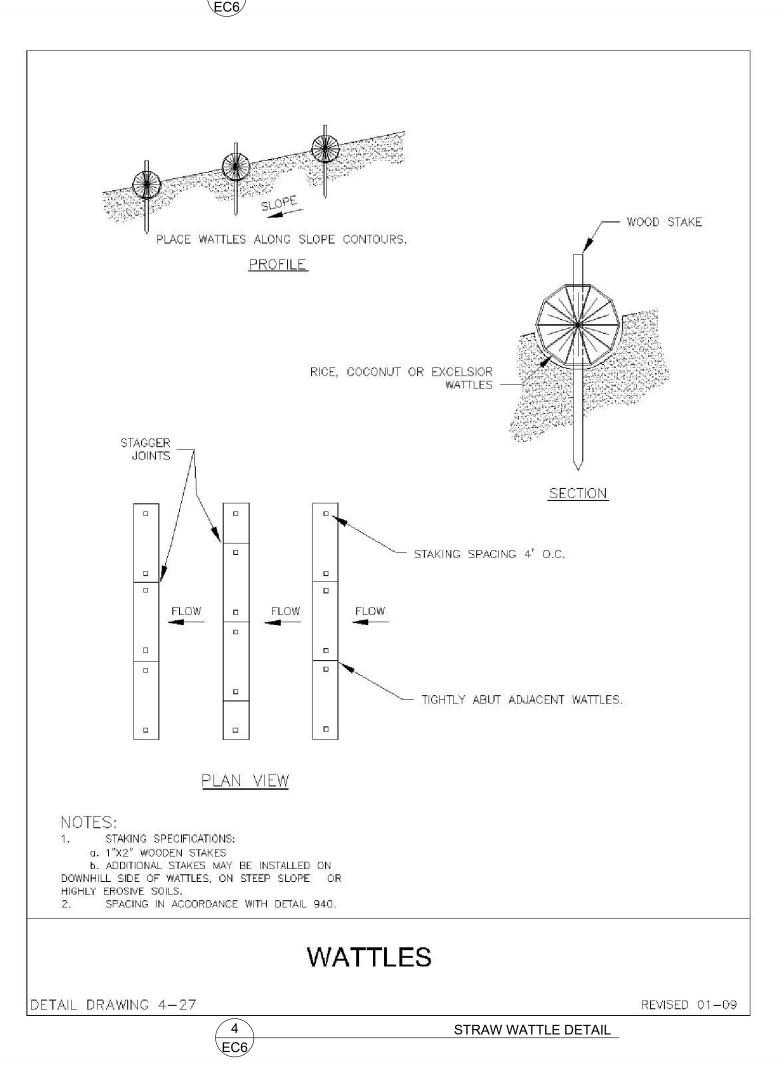
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(NOT USED)





EROSION CONTROL NOTES

HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS. (SCHEDULE A.8.C.I.(3))

WITH DEQ'S 1200-C PERMIT REQUIREMENTS.

DURING INACTIVE PERIODS OF GREATER THAN

ABOVE RECORDS MUST BE RETAINED BY THE

THE CONSTRUCTION SITE. (SCHEDULE B.2.C)

SEVEN (7) CONSECUTIVE CALENDAR DAYS, THE

PERMIT REGISTRANT BUT DO NOT NEED TO BE AT

AGENT, OR THE LOCAL MUNICIPALITY.

RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON

SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ,

(SCHEDULE B.1.C AND B.2)

13. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS 2. ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WELL AS ALL SEDIMENT BASINS, TRAPS, AND WITH DEQ 1200-C PERMIT REQUIREMENTS. BARRIERS PRIOR TO LAND DISTURBANCE. (SCHEDULE A.12.B AND SCHEDULE B.1) (SCHEDULE A.8.C.I.(5))

INSPECTION LOGS MUST BE KEPT IN ACCORDANCE 14. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND

STREAMBANKS. (SCHEDULE A.7.C) 15. 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. (SCHEDULE A.7.D.I)

CONCRETE EQUIPMENT WASHOUT AREAS BEFORE

MEASURES ARE NOT REQUIRED FOR AREAS THAT

. ESTABLISH MATERIAL AND WASTE STORAGE AREAS,

PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR

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. (SCHEDULE A 7.D.II

WHEN TRUCKING SATURATED SOILS FROM THE SITE

CONTROL PROHIBITED DISCHARGES FROM LEAVING

WASH-OUT, WASTEWATER FROM CLEANOUT OF

22. USE BMPS TO PREVENT OR MINIMIZE STORMWATER

AND EQUIPMENT FUELING, MAINTENANCE, AND

STORAGE; OTHER CLEANING AND MAINTENANCE

EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE

THE CONSTRUCTION SITE, I.E., CONCRETE

STUCCO, PAINT AND CURING COMPOUNDS.

EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS

AND OTHER NON-STORMWATER CONTROLS.

PRIVATE ROADS USING BMPS SUCH AS:

ON SITE. (SCHEDULE A.7.D.II.(5))

DIRT ACCESS ROADS OR UTILITY POLE

PADS.(SCHEDULE A.8.C.II.(3))

(SCHEDULE A.8.C.I.(7))

AND A.8.C.I(4))

(SCHEDULE A.6)

ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS

16. ESTABLISH CONCRETE TRUCK AND OTHER

ALL PERMIT REGISTRANTS MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE APPLY TEMPORARY AND/OR PERMANENT SOIL CONTROL MEASURES OR PRACTICES DESCRIBED IN STABILIZATION MEASURES IMMEDIATELY ON ALL THE ESCP IS A VIOLATION OF THE PERMIT. DISTURBED AREAS AS GRADING PROGRESSES. (SCHEDULE A 8.A) TEMPORARY OR PERMANENT STABILIZATIONS

7. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SCHEDULE A.12.C.I)

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. (SCHEDULE A.12.C.IV. AND V)

PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SCHEDULE A.7.A.III)

10. 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. (SCHEDULE A.8.C.I.(1) AND (2))

11. 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. (SCHEDULE

12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SCHEDULE A.7.B.I.AND (2(A)(B))

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. (SCHEDULE A.7.E.I.(2))

ACTIVITIES; AND WASTE HANDLING ACTIVITIES.

23. IMPLEMENT THE FOLLOWING BMPS WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON 31. 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. (SCHEDULE A. 7.E.III.)

24. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SCHEDULE A 7.A.IV)

BEGINNING CONCRETE WORK. (SCHEDULE A.8.C.I.(6)) 25. 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. (SCHEDULE A.9.B.III)

> 26. 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 PLAN APPROVAL BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SCHEDULE A.9.D)

27. 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. (SCHEDULE A

28. 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. (SCHEDULE A 7.E.II.(2))

29. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND BARE GROUND ACTIVITIES DURING WET WEATHER. (SCHEDULE

30. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SCHEDULE A.9.C.I)

OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SCHEDULE A.9.C.I)

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. (SCHEDULE A.9.C.III& IV)

33. 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 DIVISION OF STATE LANDS REQUIRED TIMEFRAME. (SCHEDULE A.9.B.I)

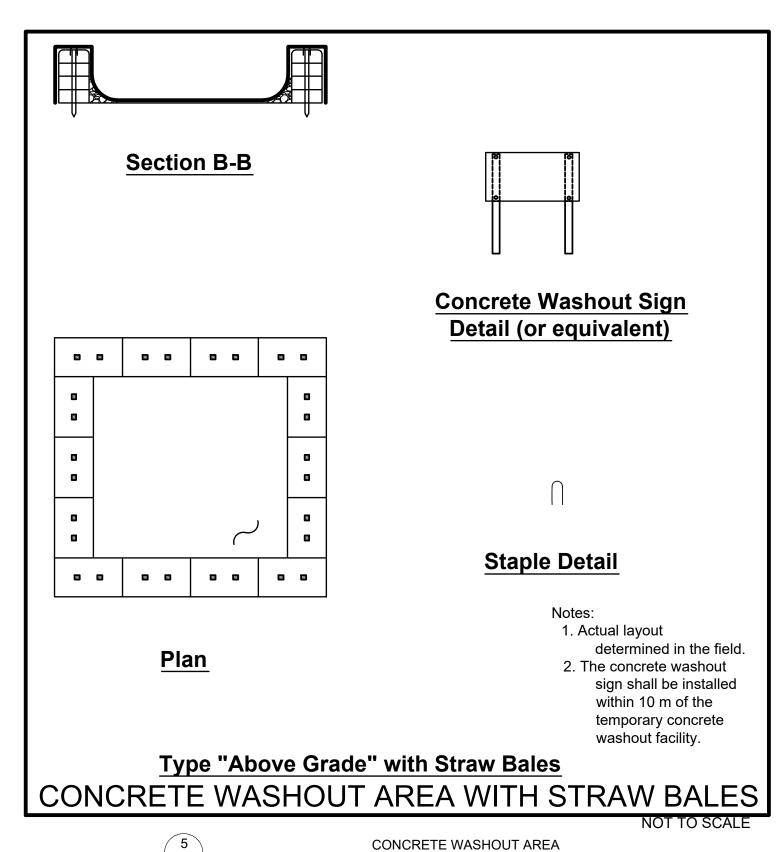
34. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SCHEDULE A.9.B.II)

35. THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR 30 DAYS OR MORE. (SCHEDULE A.7.F.I)

36. 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. (SCHEDULE A.7.F.II)

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 DOING SO CONFLICTS WITH LOCAL REQUIREMENTS. (SCHEDULE A.8.C.III(1) AND D.3.C.II AND III)

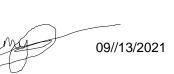
DEQ REQUIRED ESCP INSPECTION TABLE SITE CONDITION MINIMUM FREQUENCY DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM . ACTIVE PERIOD SNOW MELT, IS OCCURRING. AT LEAST ONCE EVERY 14 DAYS REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING. 2. PRIOR TO SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL INACCESSIBILITY MEASURE ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE DAYS ONCE EVERY MONTH. 4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION. 5. PERIODS DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN MONTHLY. RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.



CITY OF WEST LINN This approval is only for general conformance with the design concept and general compliance with applicable codes and requirements and shall not be construed as relieving the Design Engineer of full

APPROVED FOR CONSTRUCTION BY

responsibility for accuracy and completeness of the drawings. This plan review approval does not prevent the City from requiring further code corrections in the field.



EXPIRATION DATE: 06/30/2

ATHAN DEVELOPI

DET

EC6 OF 6 **16 AUGUST 2021**