BELL WEST PUMP STATION

NE BELL ROAD PROJECT LOCATION

VICINITY MAP



1"=100'

AKS ENGINEERING & FORESTRY, LLC 12965 SW HERMAN RD, STE 100 TUALATIN, OR 97062 503.563.6151 WWW.AKS-ENG.COM

ENGINEERING · SURVEYING · NATURAL RESOURCES FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

PRELIMINARY LAND USE PLANS

OWNER:

CITY OF NEWBERG CONTACT: PAUL CHIU, PE 414 E 1ST STREET NEWBERG, OR 97132 PH: 503.554.1751

GEOTECHNICAL ENGINEERING FIRM:

SHANNON & WILSON 3990 SW COLLINS WAY #100 LAKE OSWEGO, OR 97035 PH: 503.210.4750

CIVIL ENGINEERING/ SURVEYING FIRM:

PIPELINES & SITE DESIGN:

AKS ENGINEERING & FORESTRY, LLC CONTACT: JOHN CHRISTIANSEN, PE 12965 SW HERMAN ROAD, SUITE 100 TUALATIN, OREGON 97062 PH: 503.563.6151

PUMP STATION DESIGN:

KENNEDY JENKS CONSULTANTS. INC. CONTACT: SHAWN SPARGO, PE 421 SW 6TH AVENUE, SUITE 1000 PORTLAND, OR 97204 PH: 503.423.4041

PROJECT LOCATION:

LOCATED EAST AND SOUTH OF THE INTERSECTION OF NE NORTH VALLEY ROAD-NE BELL STREET AND N COLLEGE STREET IN NEWBERG, OREGON.

PROPERTY DESCRIPTION:

LOCATED IN SECTIONS 7 AND 8, TOWNSHIP 3 SOUTH, RANGE 2 WEST, WILLAMETTE MERIDIAN, CITY OF NEWBERG, YAMHILL COUNTY, OREGON.

VERTICAL DATUM:

VERTICAL DATUM: ELEVATIONS ARE BASED ON TRIMBLE VRS NOW NETWORK OBSERVATIONS (NAVD88) AND CHECKED AGAINST YAMHILL COUNTY STATION NO. 22. LOCATED AT THE NORTHERLY RIGHT-OF-WAY LANE OF DOUGLAS AVENUE AND ON THE CENTERLINE OF SPRINGBROOK WAY. ELEVATION = 337.24 FEET (NAVD 88).

HORIZONTAL DATUM:

Know what's below.

Call before you dig.

HORIZONTAL DATUM: A LOCAL DATUM PLANE DERIVED FROM STATE PLANE OREGON NORTH 3601 NAD83(2011)EPOCH: 2010.0000 BY MULTIPLYING BY A PROJECT MEAN GROUND COMBINED SCALE FACTOR OF 1.0001140578 AT A CENTRAL PROJECT POINT WITH INTERNATIONAL STATE PLANE GRID COORDINATES N615930.512 E7567435.489 AND A MERIDIAN CONVERGENCE ANGLE OF -1°45'02". STATE PLANE COORDINATES WERE DERIVED FROM GPS OBSERVATIONS USING THE TRIMBLE VRS NOW NETWORK. DISTANCES SHOWN ARE INTERNATIONAL FOOT GROUND VALUES.

ATTENTION EXCAVATORS:

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 COPIES OF THESE RULES FROM THE CENTER BY CALLING 503.232.1987. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS, BUT NOT MORE THAN TEN BUSINESS DAYS, BEFORE COMMENCING ANY EXCAVATION.

CALL BEFORE YOU DIG - PORTLAND METRO AREA 503.232.1987 OR 811

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STREET AND UTILITY CONTACTS

STORMWATER/ **SANITARY SEWER:**

CITY OF NEWBERG 414 E 1ST STREET NEWBERG, OR 97132 PH: 503.537.1223

WATER:

HILAND WATER CORPORATION-J J WATER COMPANY OLIVER SPRINGS 700 NORTH COLLEGE STREET NEWBERG, OR 97132 PH: 503.554.8333

CITY OF NEWBERG 414 E 1ST STREET NEWBERG, OR 97132 PH: 503.537.1205

GAS:

NW NATURAL 220 NW 2ND AVENUE PORTLAND, OREGON 97209 PH: 503.226.4211

STREETS:

CITY OF NEWBERG 500 W THIRD STREET NEWBERG, OR 97132 PH: 503.537.1234

OREGON DEPARTMENT OF TRANSPORTATION 9200 SE LAWNFIELD ROAD CLACKAMAS, OREGON 97015 PH: 971.673.6200

YAMHILL COUNTY 535 NE 5TH STREET MCMINNVILLE, OR 97128 PH: 503.472.9371

POWER:

PORTLAND GENERAL ELECTRIC 3700 SE 17TH AVENUE PORTLAND. OREGON 97202 PH: 503.736.5450

COMMUNICATIONS:

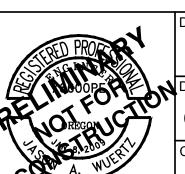
SPRINT/NEXTEL 1004 N SPRINGBROOK ROAD NEWBERG, OR PH: 503.487.0445

COMCAST CABLE 10831 SW CASCADE AVENUE TIGARD, OREGON 97223 PH: 503.596.3754

ZIPLY FIBER 276 LACLAIR STREET COOS BAY, OR 97420 PH: 1.855.381.0562

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SCALES IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.



CHECKED

DESIGNED GMB/LAH

CITY OF NEWBERG NEWBERG, OREGON BELL WEST PUMP STATION AND PIPELINE



Kennedy Jenks

COVER SHEET AND SITE AND VICINITY MAP

NO SCALE 2076014.00 03/11/2022 SHEET OF **C000**

GENERAL CONSTRUCTION NOTES:

- 1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DOCUMENTS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DOCUMENTS AND IN FULL COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES.
- 2. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND SHOWN FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. ADDITIONAL UNDERGROUND UTILITIES MAY EXIST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR REPAIRING ANY UTILITIES DAMAGED DURING CONSTRUCTION. SHOW THESE UTILITIES ON THE AS-BUILTS. IF A UTILITY IS DAMAGED. THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY COMPANY IMMEDIATELY.
- NOTIFY THE UTILITY PROVIDER IMMEDIATELY OF ALL UTILITIES EXPOSED. UNIDENTIFIED UTILITIES SHALL NOT BE DISRUPTED OR CUT UNTIL THE UTILITY PROVIDER HAS APPROVED THE CUT OR DISRUPTION. 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.
- CONTRACTOR MUST VERIFY ALL EXISTING UTILITIES FOR BOTH VERTICAL ELEVATION AND HORIZONTAL LOCATION PRIOR TO COMMENCING CONSTRUCTION (POTHOLE BEFORE DIGGING IF NECESSARY). NOTIFY ENGINEER IF CONFLICTS ARISE.
- 5. THE CONTRACTOR SHALL MAINTAIN BENCHMARKS, PROPERTY CORNERS, MONUMENTS, AND OTHER REFERENCE POINTS. IF SUCH POINTS ARE DISTURBED OR DESTROYED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND PAY FOR THEIR REPLACEMENT BY EMPLOYING A PROFESSIONAL LAND SURVEYOR TO RESET PROPERTY CORNERS AND OTHER SUCH MONUMENTS.
- 6. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND ALL APPLICABLE JURISDICTIONS 48—HOURS PRIOR TO ANY STAGED INSPECTION.
- 7. A COPY OF THE PERMIT WITH ALL ATTACHMENTS, A COPY OF THE APPROVED CONSTRUCTION PLANS, AND ALL AMENDMENTS SHALL BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. ALL WORK SHALL CONFORM TO THE PERMIT TERMS, CONDITIONS/PROVISIONS, APPROVED CONSTRUCTION PLANS, APPROVED PLAN AMENDMENTS, AND THESE GENERAL CONDITIONS. CHANGES TO ANY OF THE AFORESAID MUST BE APPROVED BY THE PROJECT ENGINEER AND APPLICABLE JURISDICTION, IN ADVANCE OF WORK PERFORMANCE.
- 8. THESE PLANS AND SPECIFICATIONS ASSUME "DRY WEATHER" CONSTRUCTION. ADDITIONAL MEASURES MAY BE REQUIRED FOR "WET WEATHER" CONSTRUCTION.
- 9. EXISTING LANDSCAPING MATERIALS. IRRIGATION. APPURTENANCES. AND STRUCTURES. WHICH ARE NOT TO BE REMOVED. SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. DAMAGE CAUSED BY CONSTRUCTION OPERATIONS SHALL BE REPLACED OR REPAIRED TO EXISTING OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 10. PROPERTY AND RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE. THESE PLANS ARE NOT MEANT TO SERVE BOUNDARY SURVEY PURPOSES.
- 11. THERE SHALL BE NO ALTERATION OR VARIANCE FROM THE APPROVED PLANS WITHOUT APPROVAL OF THE PROJECT ENGINEER.
- 12. CONTRACTOR SHALL CONFORM TO OSHA REQUIREMENTS AT ALL TIMES.
- 13. CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.
- 14. THE PROJECT ENGINEER IS NOT RESPONSIBLE FOR REVIEWING THE CONTRACTOR'S SAFETY PRECAUTIONS OR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES REQUIRED FOR THE CONTRACTOR TO PERFORM THEIR WORK.
- 15. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND OBTAINING ALL REQUIRED TESTING AND INSPECTIONS FOR THE PROJECT.
- 16. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL REQUIRED OR NECESSARY INSPECTIONS ARE COMPLETED BY AUTHORIZED INSPECTORS PRIOR TO PROCEEDING WITH SUBSEQUENT WORK WHICH COVERS OR THAT IS DEPENDENT ON THE WORK TO BE INSPECTED.
- 17. ANY INSPECTION/OBSERVATION BY THE PROJECT ENGINEER OR PROJECT INSPECTOR SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE APPLICABLE CODES, REGULATIONS, STANDARDS, PLANS, SPECIFICATIONS, AND PROJECT CONTRACT DOCUMENTS.
- 18. DEBRIS AND TRASH SHALL NOT BE BURIED OR STOCKPILED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES, TO BE PROVIDED TO THE OWNER OR PROJECT ENGINEER UPON REQUEST
- 19. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND APPROVALS FOR OFF SITE DISPOSAL FACILITIES AND SUPPLY A COPY OF APPROVALS TO THE OWNER'S REPRESENTATIVE UPON REQUEST.
- 20. ALL 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 shall leave existing facilities in an equal or better—than—original
- 21. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT "REDLINE DRAWINGS" TO THE PROJECT ENGINEER. "REDLINE DRAWNGS" DOCUMENT ALL DEVIATIONS AND REVISIONS TO THE APPROVED PLANS: THEY ALSO RECORD A DESCRIPTION OF CONSTRUCTION MATERIALS ACTUALLY USED (PIPE MATERIAL, ETC).
- 22. CONTRACTOR SHALL KEEP RECORDS OF ALL CONSTRUCTION THAT DIFFERS FROM THE APPROVED PLANS AND SHALL MAINTAIN "RECORD DRAWINGS" DURING THE CONSTRUCTION PERIOD. "RECORD DRAWINGS" SHALL BE SUBMITTED TO THE ENGINEER AT THE END OF THE PROJECT.
- 23. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND OWNER OF ANY SEPTIC TANKS, WELLS, OR FUEL TANKS ENCOUNTERED DURING CONSTRUCTION.
- 24. IF GROUND WATER SPRINGS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE PROJECT ENGINEER. THE PROJECT ENGINEER SHALL DIRECT THE CONTRACTOR TO TAKE MEASURES TO ENSURE THAT THE WATER IS NOT CONVEYED THROUGH UTILITY TRENCHES AND THE NATURAL FLOW PATH OF THE SPRING IS ALTERED AS LITTLE AS PRACTICABLE.
- 25. CONTRACTOR SHALL MAKE A REASONABLE EFFORT TO PRESERVE EXISTING IMPROVEMENTS, LANDSCAPING, AND VEGETATION THROUGHOUT CONSTRUCTION.
- 26. PRIOR TO ORDERING ANY MATERIALS, THE CONTRACTOR SHALL PROVIDE MANUFACTURER'S SPECIFICATION SHEETS FOR ALL MATERIALS to be used.
- 27. PLEASE NOTE THAT AKS AND KENNEDY JENKS ARE NOT SAFETY INSPECTION COMPANIES. AKS AND KENNEDY JENKS HAVE NOT BEEN RETAINED TO PROVIDE ANY SAFETY RELATED SERVICES FOR THIS PROJECT.

REVISION

STANDARD EROSION AND SEDIMENT CONTROL NOTES:

- WHEN RAINFALL AND RUNOFF OCCURS. DAILY INSPECTIONS OF THE EROSION AND SEDIMENT CONTROL BMPS AND DISCHARGE OUTFALLS MUST BE PROVIDED BY SOMEONE KNOWLEDGEABLE AND EXPERIENCED IN THE PRINCIPLES, PRACTICES, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL BMPS WHO WORKS FOR THE CONTRACTOR.
- 2. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND FROM OCTOBER 1 THROUGH MAY 31 EACH
- 3. DURING WET WEATHER PERIOD, TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY.
- 4. SEDIMENT CONTROL BMPS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS
- 5. ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROL BMPS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. UNLESS OTHERWISE APPROVED. A SURFACE MOUNTED AND ATTACHABLE, U-SHAPED FILTER BAG IS REQUIRED FOR ALL CURB INLET CATCH BASINS.
- 6. SIGNIFICANT AMOUNTS OF SEDIMENT WHICH LEAVES THE SITE MUST BE CLEANED UP WITHIN 24-HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24—HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PREFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIME FRAME.
- 7. SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES.
- 8. SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF ONE THIRD THE BARRIER HEIGHT. AND PRIOR TO THE CONTROL MEASURES REMOVAL.
- 9. CLEANING OF ALL STRUCTURES WITH SUMPS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 50% AND AT COMPLETION OF PROJECT.
- 10. ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
- 11. CONTRACTOR MUST PROPERLY MANAGE HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.
- 12. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL BMPS, IN ACCORDANCE WITH CURRENT CLEAN WATER SERVICES STANDARDS AND STATE AND FEDERAL REGULATIONS.
- 14. CONTRACTOR TO SUBMIT VEGETATIVE SEED MIXES FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT. SEED MIX SHALL BE SELECTED TO CLOSELY MATCH EXISTING GROUND COVER.
- 15. WATER-TIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPS; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.
- 16. ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A
- 17. THE ESC PLAN MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
- 18. THE ESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.
- 19. WRITTEN ESC LOGS ARE SUGGESTED TO BE MAINTAINED ONSITE AND AVAILABLE TO DISTRICT INSPECTORS UPON REQUEST.
- 20. IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPS MUST BE USED WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES.
- 21. ALL EXPOSED SOILS MUST BE COVERED DURING WET WEATHER PERIOD.

WATER SYSTEM CONSTRUCTION NOTES:

DATE

BY

SEDIMENT CONTROL BMP (I.E. FILTER BAG).

- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE COUNTY CODES AND STANDARDS, THE OREGON STATE HEALTH DIVISION ADMINISTRATION RULES. A.W.W.A. STANDARDS. A.P.W.A. STANDARDS. AND THE CITY STANDARDS.
- 2. ALL PIPE SHALL HAVE MINIMUM COVER OF THREE-FEET BELOW THE FINISH GRADES IN EASEMENTS AND STREET RIGHTS-OF-WAY.
- 3. ANY CROSSING OF WATER MAINS BY SANITARY SEWER SHALL BE MADE AT APPROXIMATELY 90 DEGREES AND HAVE 18-INCHES OF VERTICAL CLEARANCE OR SHALL BE INVESTIGATED AND HAVE POTENTIAL MODIFICATIONS MADE TO THE SANITARY AND/OR WATER MAIN IN ACCORDANCE WITH OAR 333-061-0050(9).
- ALL CROSSINGS WHICH REQUIRE EXCAVATION BELOW AN EXISTING UTILITY LINE SHALL BE BACKFILLED WITH CLSM TO SUPPORT THE EXISTING UTILITY WHERE ADEQUATE COMPACTION CANNOT BE ACHIEVED WITH CONVENTIONAL BACKFILL MATERIALS AND METHODS.
- 5. JOINT DEFLECTIONS ARE ALLOWED ONLY WITH THE APPROVAL OF THE PROJECT ENGINEER AND INSPECTOR AND MUST COMPLY WITH CITY OF
- 6. OREGON STATE HEALTH DIVISION BACTERIOLOGICAL TESTS SHALL BE TAKEN BY AN OREGON ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (ORLAP) ACCREDITED DRINKING WATER LABRATORY, CONTRACTOR TO PREPARE ABOVE-GRADE LOCATIONS FOR PROPER SAMPLING APPROXIMATELY EVERY 1,000-FEET ALONG NEW MAINS AT APPROXIMATE LOCATIONS AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY 2-INCH TEST AND FLUSHING/SAMPLE RISERS ABOVE GROUND INCLUDING A 600 STYLE CORPORATION STOP AT THE MAIN, INSTALLED HIGH ENOUGH TO PREVENT SPLASH BACK AND CONTAMINATION. RISERS SHALL HAVE A BALL VALVE CURBSTOP TO CONTROL FLOW AND SAMPLE POINT SHALL HAVE A MALE OUTLET TO ENSURE A HIGH QUALITY SAMPLE. HYDRANTS MAY NOT BE USED AS TEMPORARY SAMPLE POINTS.
- 7. HYDROSTATIC TESTS SHALL CONFORM WITH ALL APPLICABLE CODES AND BE MONITORED BY THE INSPECTOR OR PROJECT ENGINEER.
- 8. DISINFECTION: PIPELINES SHALL BE FLUSHED AND DISINFECTED BEFORE PLACING INTO SERVICE, AFTER PERFORMING HYDROSTATIC TESTING. DISINFECTION SHALL CONFORM WITH ALL APPLICABLE CODES. THE HIGHLY CHLORINATED WATER USED FOR DISINFECTION SHALL NOT BE DISCHARGED INTO SURFACE WATERS. APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS CONCERNING DISCHARGE SHALL BE FOLLOWED. TESTING AND INSPECTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES.
- 9. PRIOR TO TAPPING INTO OR CONNECTING TO EXISTING WATER MAINS, THE CONTRACTOR WILL CONTACT THE CITY 48-HOURS IN ADVANCE.
- 10. UNLESS OTHERWISE NOTED, STATIONING ON PLANS REFERS TO CENTERLINE OF PROPOSED WATER MAIN AND STATIONING AND DIMENSIONS SHOWN ARE BASED ON HORIZONTAL DISTANCES.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING THE WORK. ANY CONFLICT BETWEEN DETAILS OR DIMENSIONS ON THE DRAWINGS SHALL BE REPORTED PROMPTLY TO THE PROJECT ENGINEER.
- 12. CONTRACTOR SHALL MAINTAIN CONTINUOUS GRADE WHEN INSTALLING THE NEW WATER MAIN. DO NOT CONSTRUCT HIGH POINTS IN PROFILE UNLESS SPECIFICALLY SHOWN IN PLANS AND DETAILS.

LEGEND

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STORM DRAIN LINE	 — sтм — — —	— STM ———		— sтм —	STM
SANITARY SEWER LINE	 — SAN — — —	— — SAN ———		— SAN —	SAN
WATER LINE	 wat	— — WAT ———		— WAT ————	WAT

ENGINEERING · SURVEYING · NATURAL RESOURCES

AKS ENGINEERING & FORESTRY, LLC 12965 SW HERMAN RD, STE 100

TUALATIN, OR 97062

WWW.AKS-ENG.COM

503.563.6151

FORESTRY · PLANNING · LANDSCAPE ARCHITECTURE

30% SUBMITTAL

PRELIMINARY DESIGN PHASE

NOT FOR CONSTRUCTION

SCALES IF THIS BAR IS NOT DIMENSION SHOWN. ADJUST SCALES ACCORDINGLY.



DESIGNED DRAWN

GMB/LAH CHECKED

NEWBERG, OREGON BELL WEST PUMP STATION AND PIPELINE

CITY OF NEWBERG

CONSTRUCTION NOTES AND LEGEND

SCALE NO SCALE JOB NO 2076014.00 DATE 03/11/2022

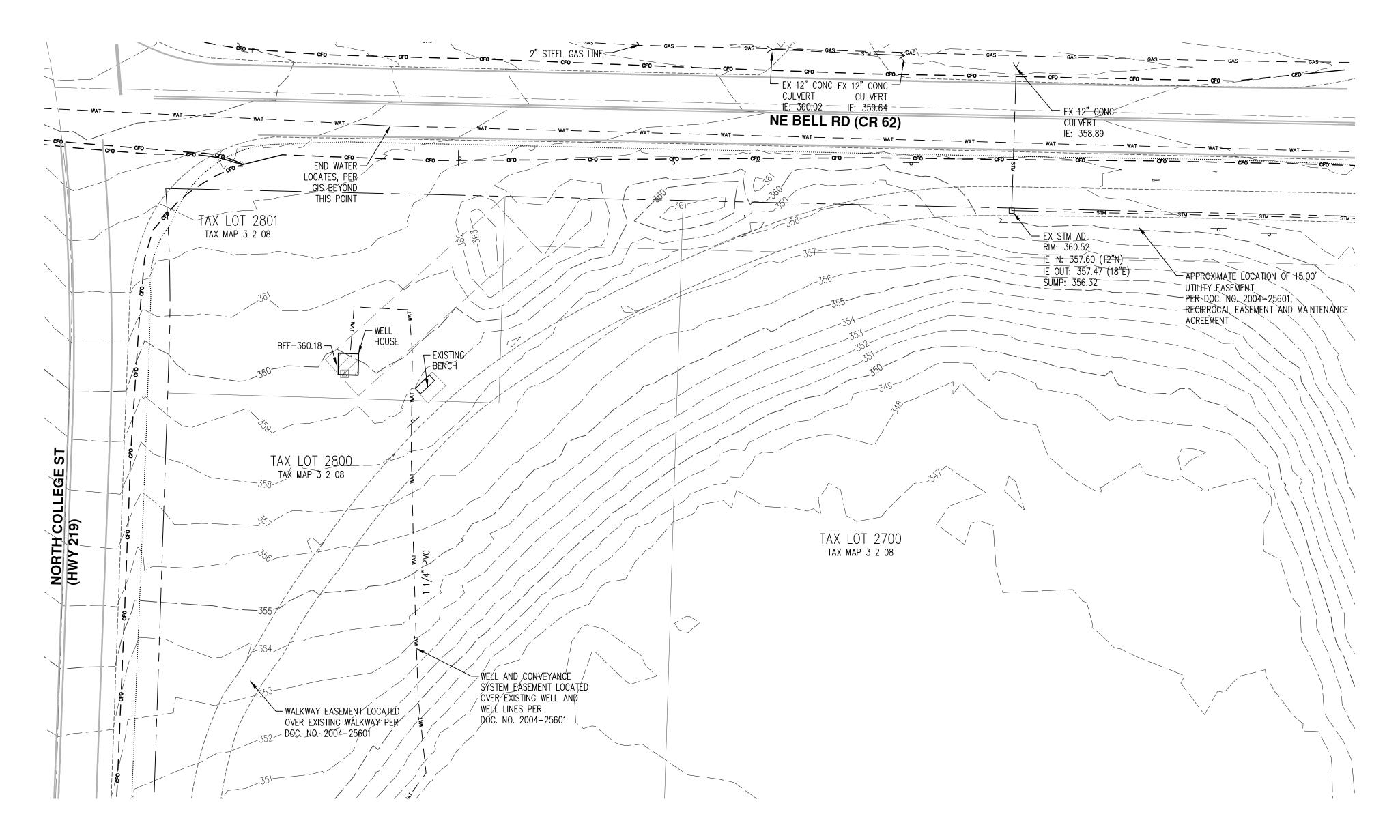
OF

C001

SHEET

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Kennedy Jenks



LEGEND EXISTING EXISTING DECIDUOUS TREE STORM DRAIN CLEAN OUT STORM DRAIN CATCH BASIN CONIFEROUS TREE STORM DRAIN AREA DRAIN STORM DRAIN MANHOLE FIRE HYDRANT WATER BLOWOFF GAS METER WATER METER GAS VALVE WATER VALVE GUY WIRE ANCHOR UTILITY POLE DOUBLE CHECK VALVE POWER VAULT AIR RELEASE VALVE POWER JUNCTION BOX SANITARY SEWER CLEAN OUT POWER PEDESTAL SANITARY SEWER MANHOLE COMMUNICATIONS VAULT COMMUNICATIONS JUNCTION BOX STREET LIGHT MAILBOX COMMUNICATIONS RISER **BOUNDARY LINE** PROPERTY LINE CENTERLINE POWER LINE OVERHEAD WIRE COMMUNICATIONS LI

NOTES:

- 1. UTILITIES SHOWN ARE BASED ON UNDERGROUND UTILITY LOCATE MARKINGS AS PROVIDED BY OTHERS, PROVIDED PER UTILITY LOCATE TICKET NUMBERS 21141100 & 21141113. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND LOCATES REPRESENT THE ONLY UTILITIES IN THE AREA. CONTRACTORS ARE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
- 2. FIELD WORK WAS CONDUCTED MAY 20TH JUNE 16TH 2021.
- 3. VERTICAL DATUM: ELEVATIONS ARE BASED ON TRIMBLE VRS NOW NETWORK OBSERVATIONS (NAVD88) AND CHECKED AGAINST YAMHILL COUNTY STATION NO. 22. LOCATED AT THE NORTHERLY RIGHT-OF-WAY LANE OF DOUGLAS AVENUE AND ON THE CENTERLINE OF SPRINGBROOK WAY. ELEVATION = 337.24 FEET (NAVD 88).
- 4. HORIZONTAL DATUM: A LOCAL DATUM PLANE DERIVED FROM STATE PLANE OREGON NORTH 3601 NAD83(2011)EPOCH: 2010.0000 BY MULTIPLYING BY A PROJECT MEAN GROUND COMBINED SCALE FACTOR OF 1.0001140578 AT A CENTRAL PROJECT POINT WITH INTERNATIONAL STATE PLANE GRID COORDINATES N615930.512 E7567435.489 AND A MERIDIAN CONVERGENCE ANGLE OF -1'45'02". STATE PLANE COORDINATES WERE DERIVED FROM GPS OBSERVATIONS USING THE TRIMBLE VRS NOW NETWORK. DISTANCES SHOWN ARE INTERNATIONAL FOOT GROUND VALUES.

DATE

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- 5. THIS IS NOT A PROPERTY BOUNDARY SURVEY TO BE RECORDED WITH THE COUNTY SURVEYOR. BOUNDARIES MAY BE PRELIMINARY AND SHOULD BE CONFIRMED WITH THE STAMPING SURVEYOR PRIOR TO RELYING ON FOR DETAILED DESIGN OR CONSTRUCTION.
- 6. BUILDING FOOTPRINTS ARE DRAWN FROM AERIAL UNLESS NOTED OTHERWISE. CONTACT SURVEYOR WITH QUESTIONS REGARDING BUILDING TIES.
- 7. CONTOUR INTERVAL IS 1 FOOT.
- SUBJECT TO A RIGHT TO REFUSAL ALLOWING VERITAS SCHOOL THE FIRST OPTION TO PURCHASE LAND FROM NORTH VALLEY FRIENDS CHURCH PER DOC. NO. 20045602, ALSO SUBJECT A RIGHT TO REFUSAL ALLOWING NORTH VALLEY FRIENDS CHURCH FIRST OPTION TO PURCHASE LAND FROM VERITAS SCHOOL PER DOC. NO. 200425603.
- ALSO SUBJECT TO A DEVELOPMENT AGREEMENT BETWEEN NORTH VALLEY FRIENDS CHURCH AND THE CITY OF NEWBERG ALLOWING SITE DEVELOPMENT ON LAND OWNED BY NORTH VALLEY FRIENDS CHURCH PER DOC. NO. 200314309.



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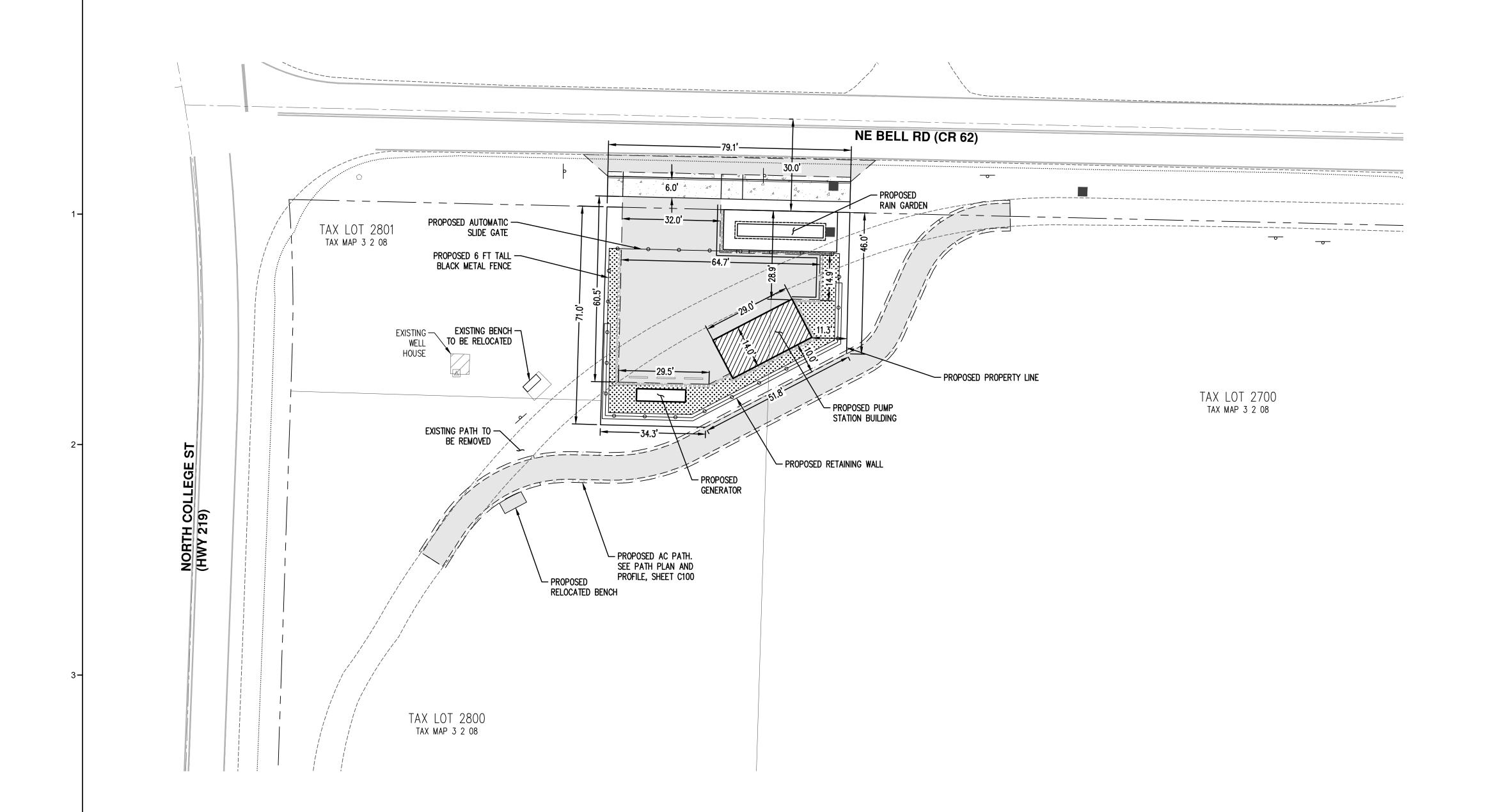
NEWBERG, OREGON BELL WEST PUMP STATION AND PIPELINE

CITY OF NEWBERG

Kennedy Jenks

EXISITING CONDITIONS

SCALE 1" = 20' JOB NO 2076014.00 03/11/2022 SHEET OF C002



SITE COVERAGE CALCULATIONS:

EXISTING IMPERVIOUS AREA TO BE REMOVED

EXISTING PATH

1,967 SF

NEW IMPERVIOUS AREA

- FRONTAGE IMPROVEMENTS 1,238 SF

- SITE IMPROVEMENTS - PATH IMPROVEMENTS

3,220 SF 711 SF

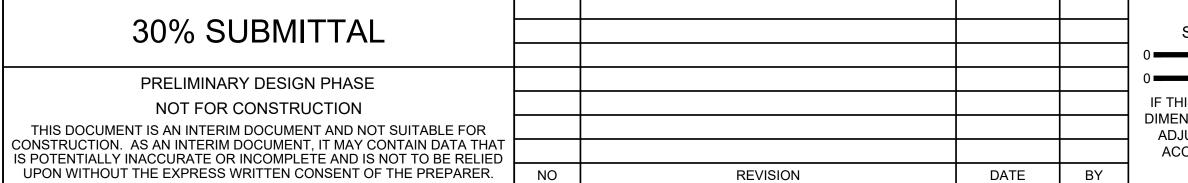
NET NEW IMPERVIOUS AREA 3,202 SF

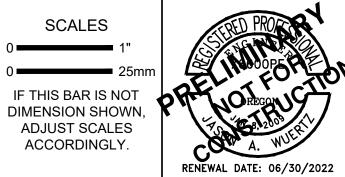
SITE AREA

5,067 SF

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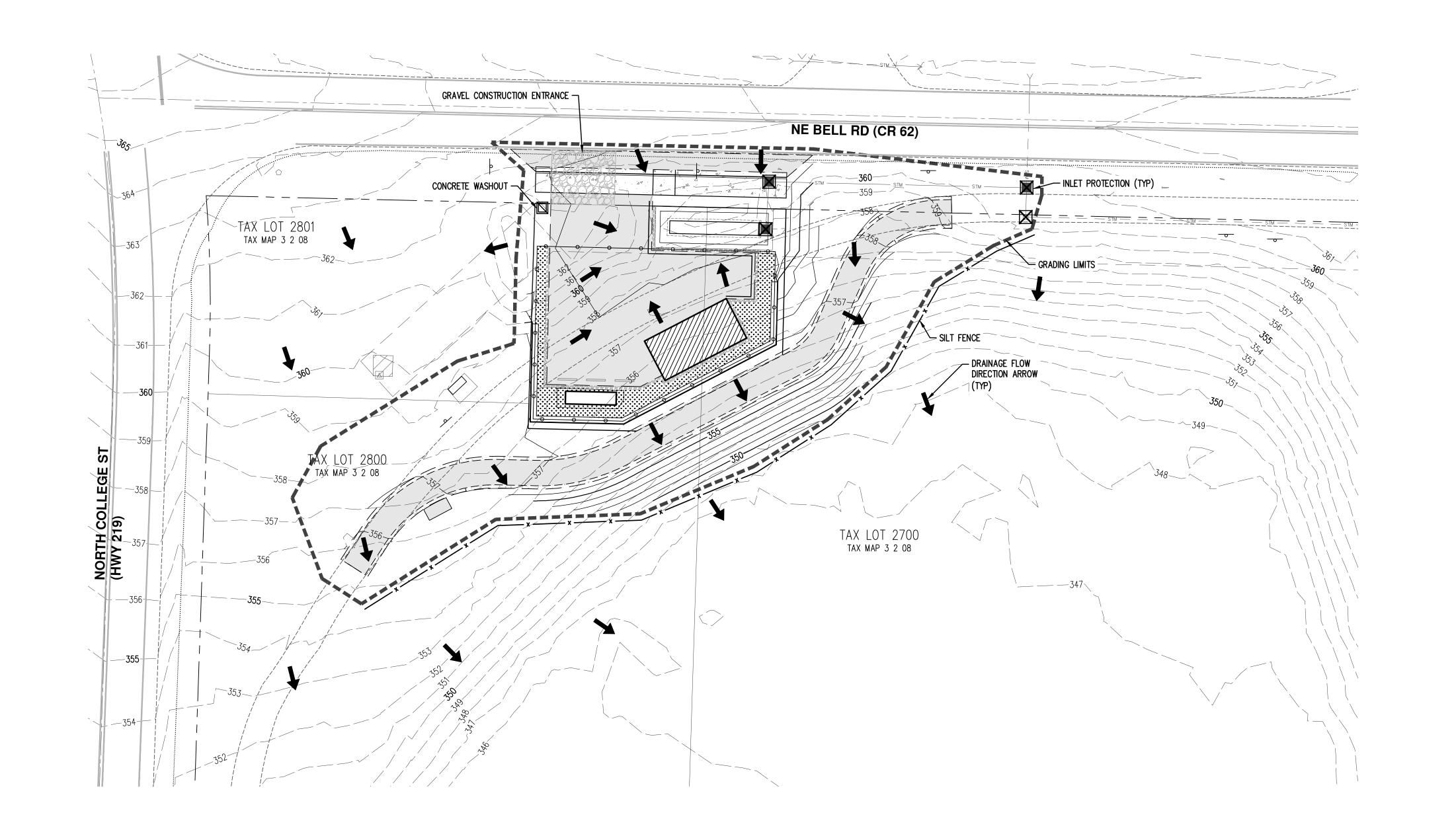
CITY OF NEWBERG NEWBERG, OREGON BELL WEST PUMP STATION AND PIPELINE

Kennedy Jenks

SITE PLAN

SCALE 1" = 20' JOB NO 2076014.00 03/11/2022 SHEET OF

C010



LEGEND EXISTING GROUND CONTOUR (1 FT) EXISTING GROUND CONTOUR (5 FT) ---- 350 ---- ---FINISHED GRADE CONTOUR (1 FT) FINISHED GRADE CONTOUR (1 FT) GRADING LIMITS SAWCUT LINE ORANGE SILT FENCE (TO BE INSTALLED PRIOR TO GRADING) GRAVEL CONSTRUCTION ENTRANCE INLET PROTECTION CONCRETE WASHOUT AREA DRAINAGE FLOW DIRECTION ARROW

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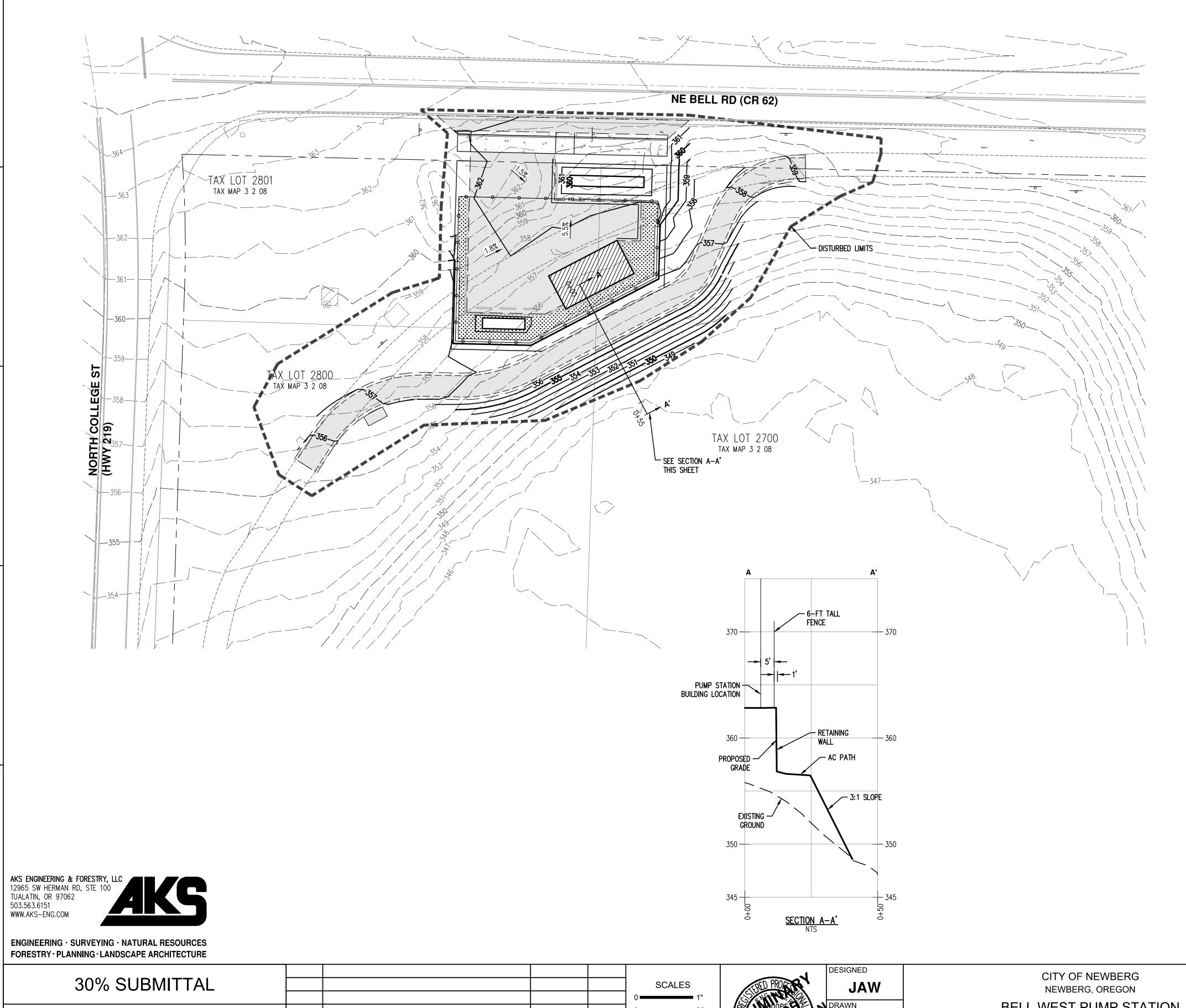
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	CITY OF NEWBERG
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	BELL WEST PUMP STATION
B/LAH	AND PIPELINE

Kennedy Jenks

EROSION AND SEDIMENT CONTROL PLAN

	I
SCALE	
	1" = 20'
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LEGEND

EXISTING GROUND CONTOUR (1 FT) — -351- — -EXISTING GROUND CONTOUR (5 FT) — --- -350- — ---

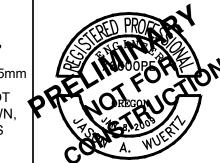
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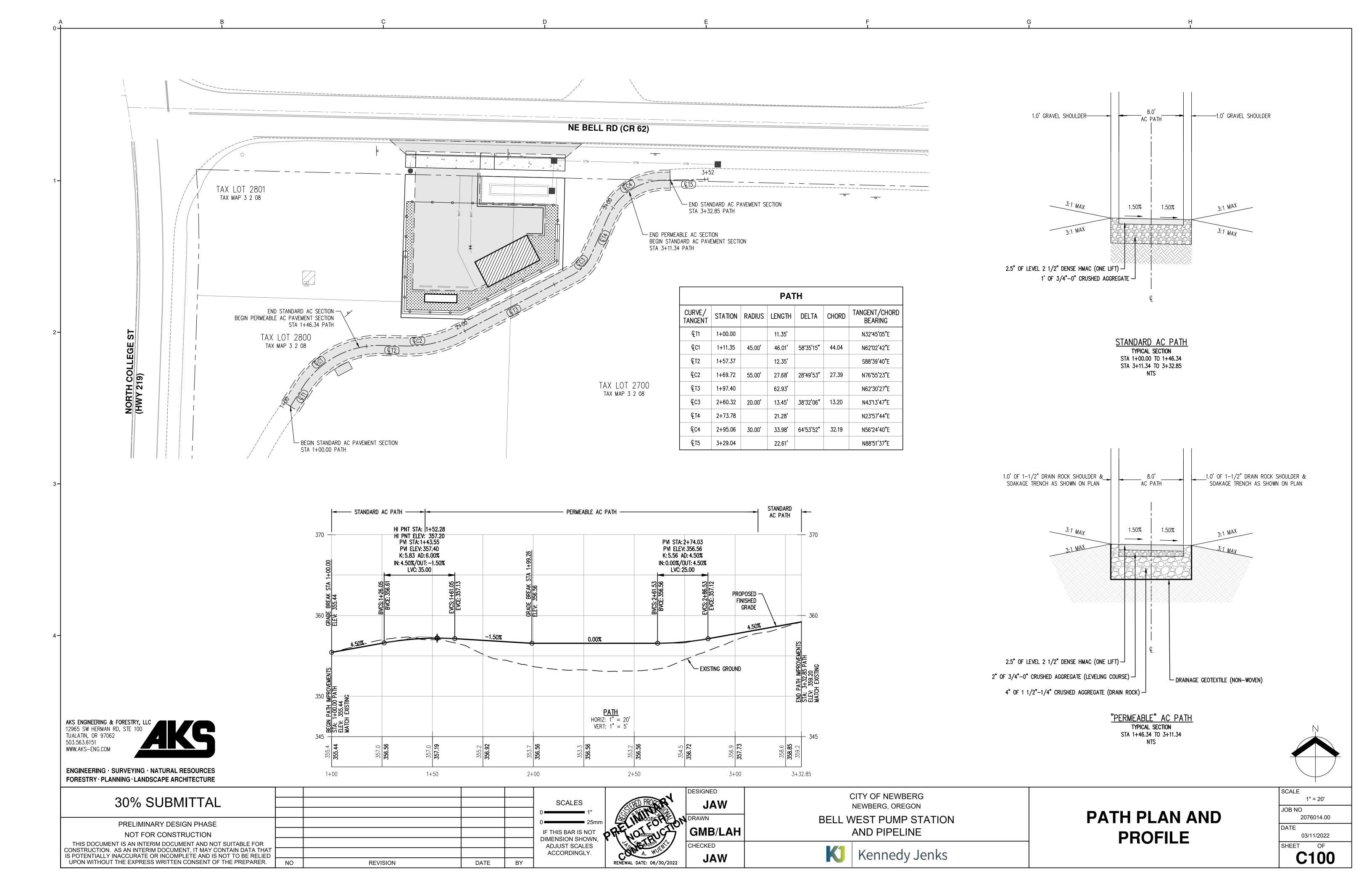
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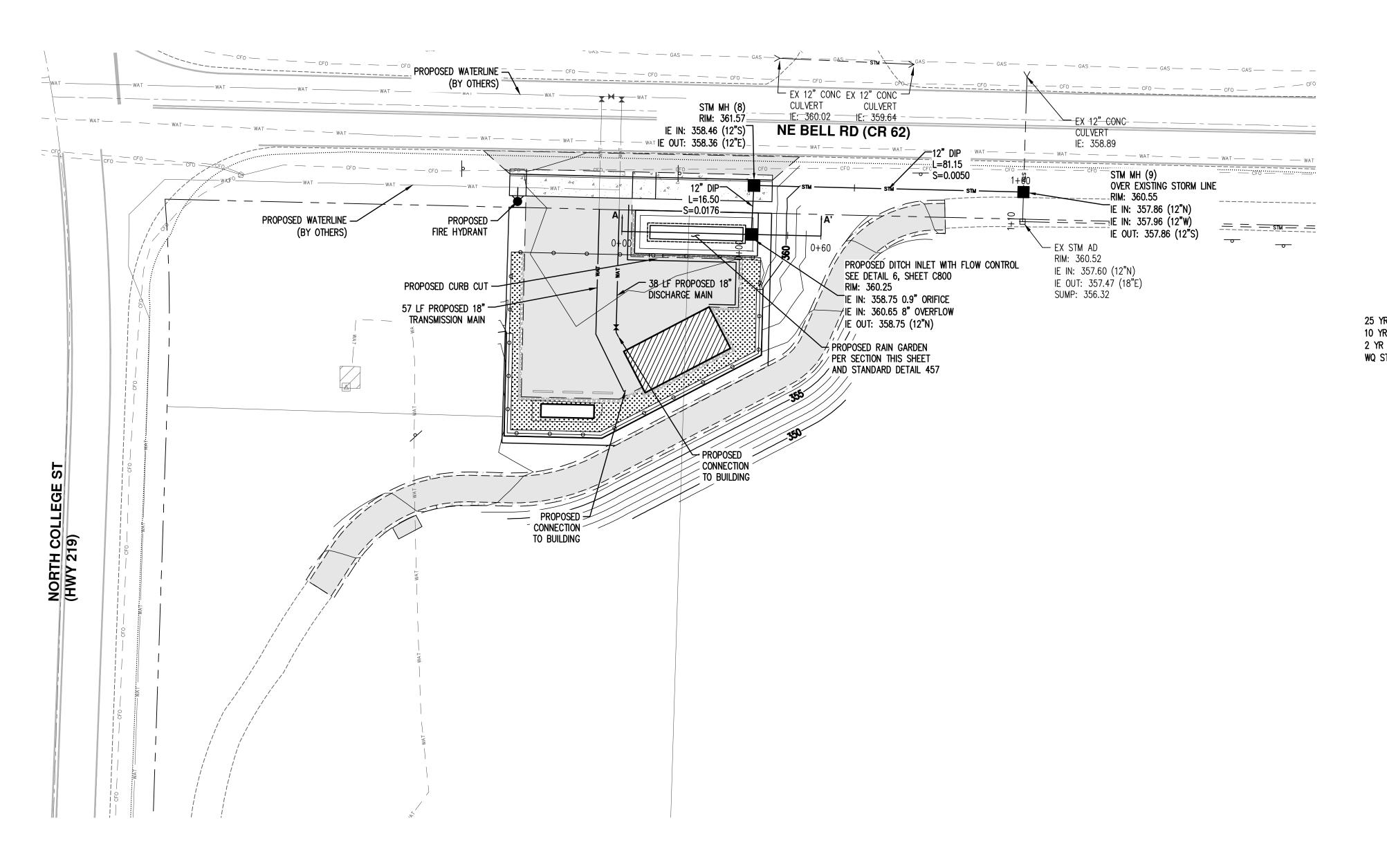
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GRADING PLAN

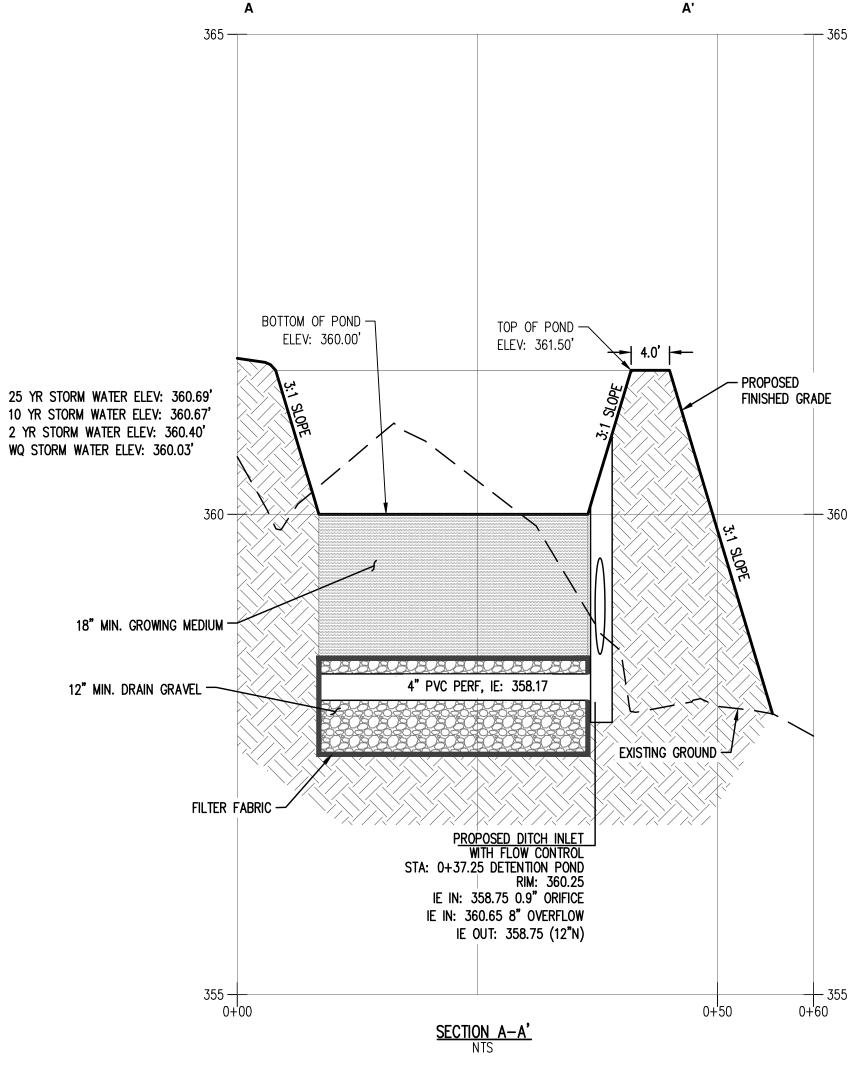
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NOTE: SEE CITY OF NEWBERG STANDARD DETAIL 457 FOR ADDITIONAL INFORMATION

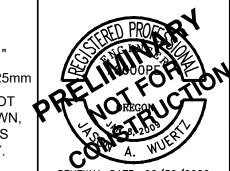
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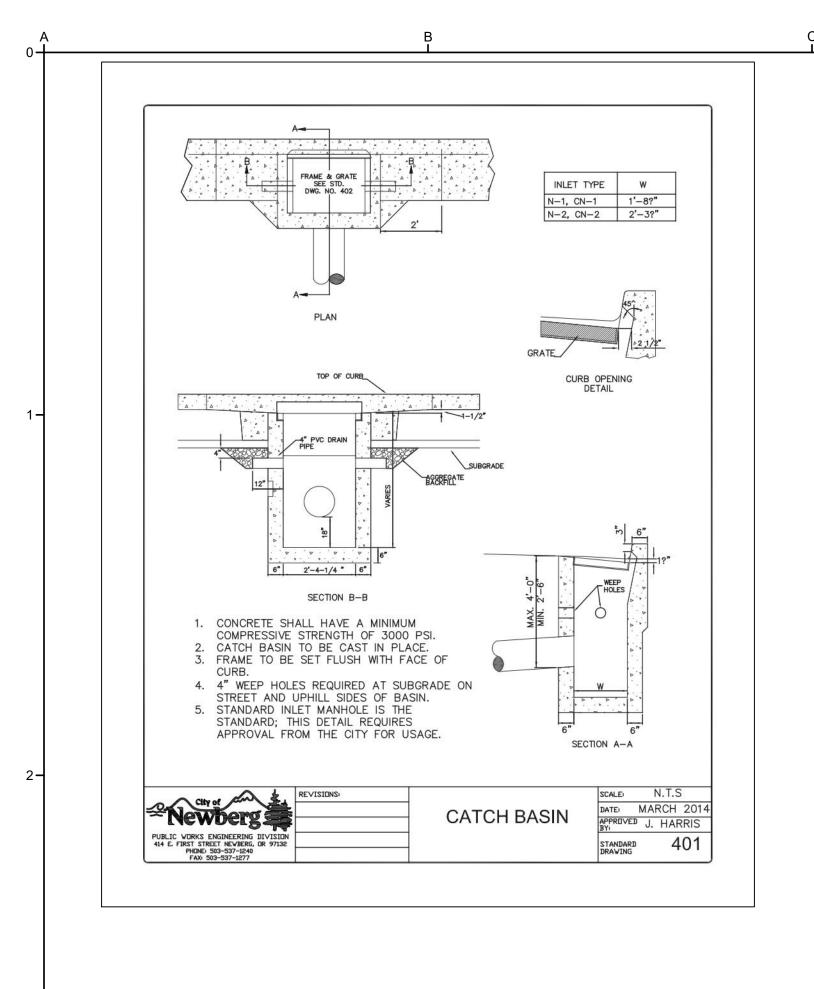
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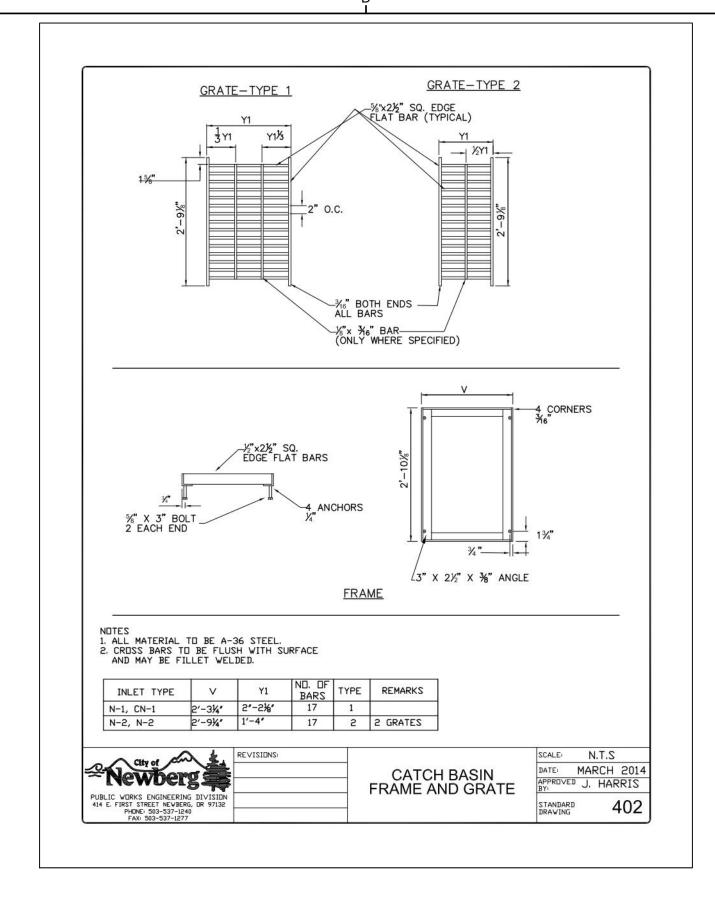
CITY OF NEWBERG NEWBERG, OREGON

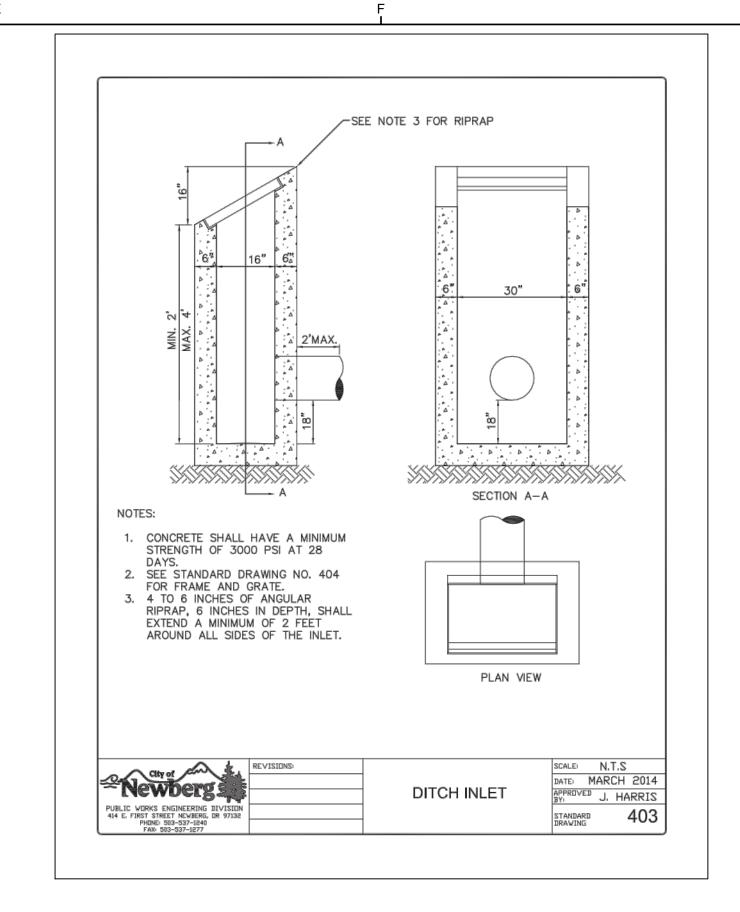
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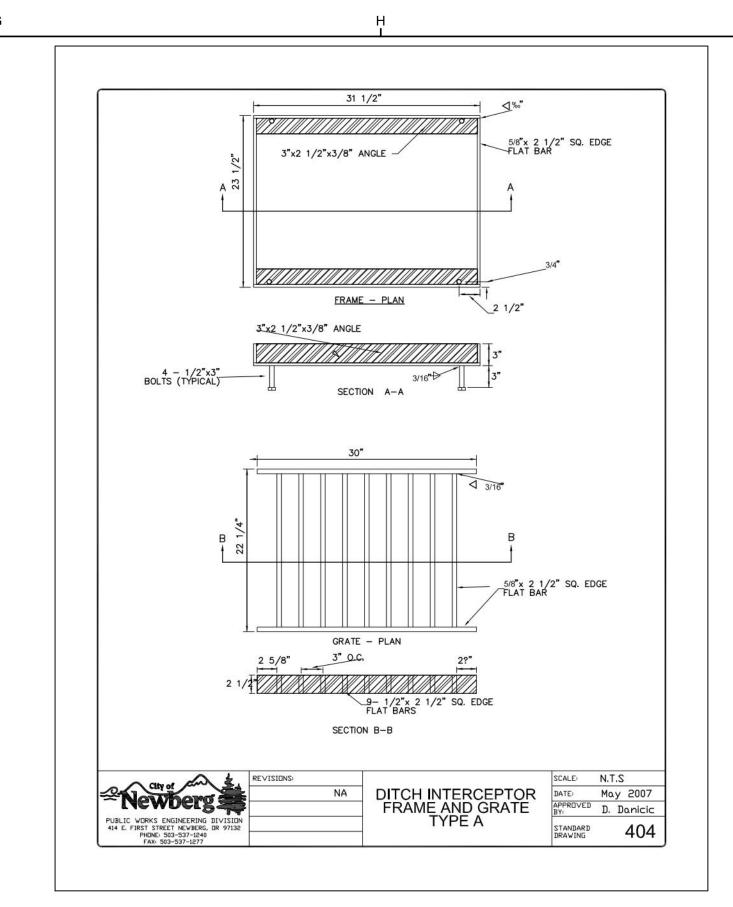
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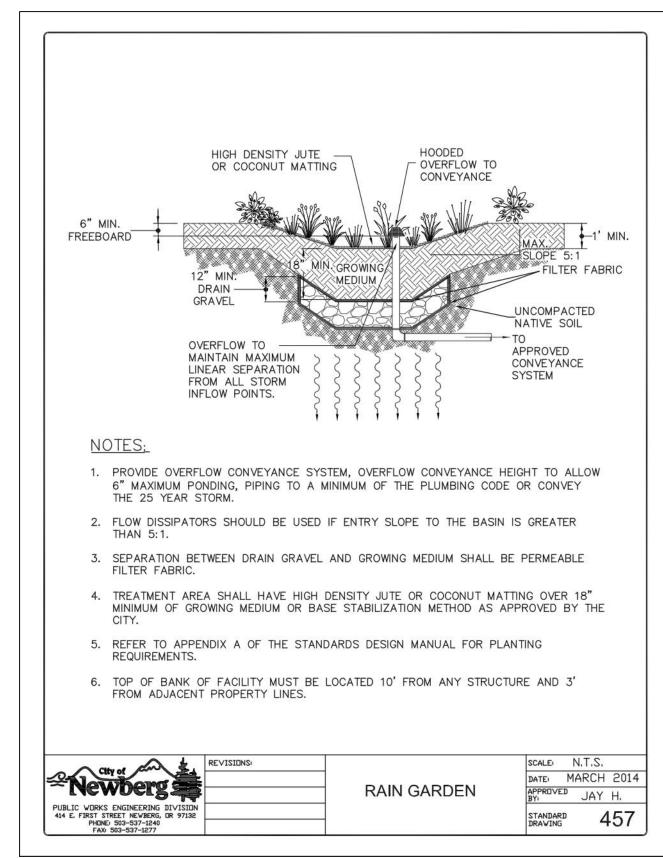
BELL WEST PUMP STATION **COMPOSITE UTILITY PLAN** AND PIPELINE

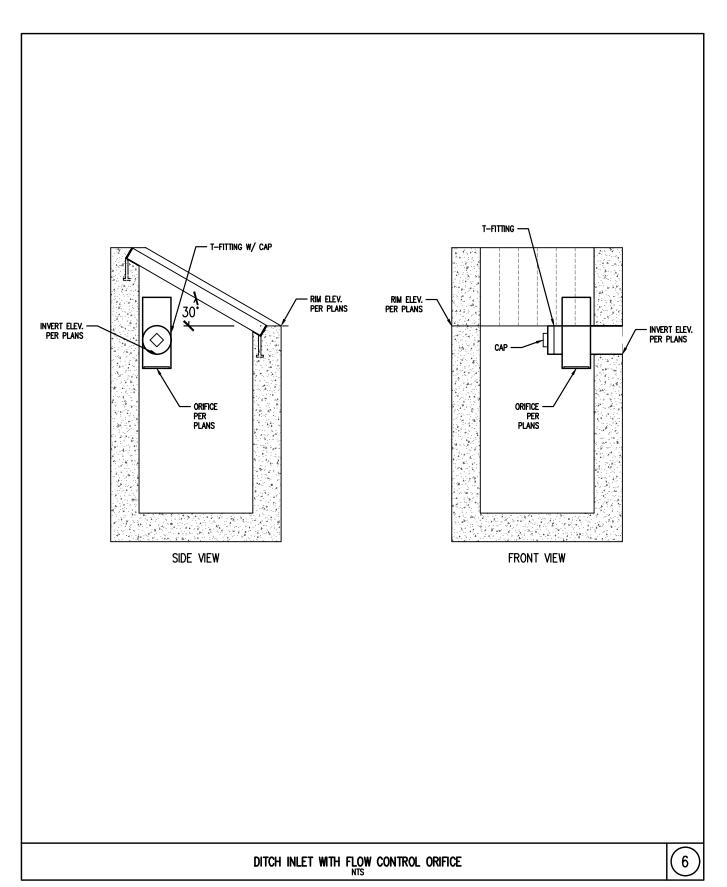














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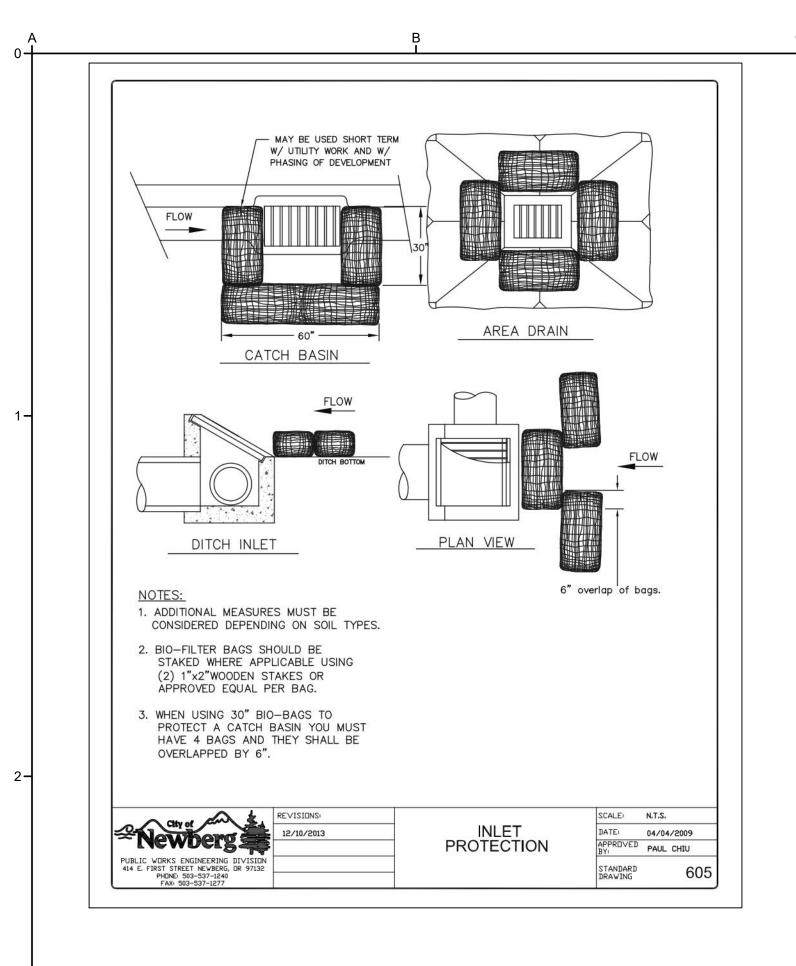
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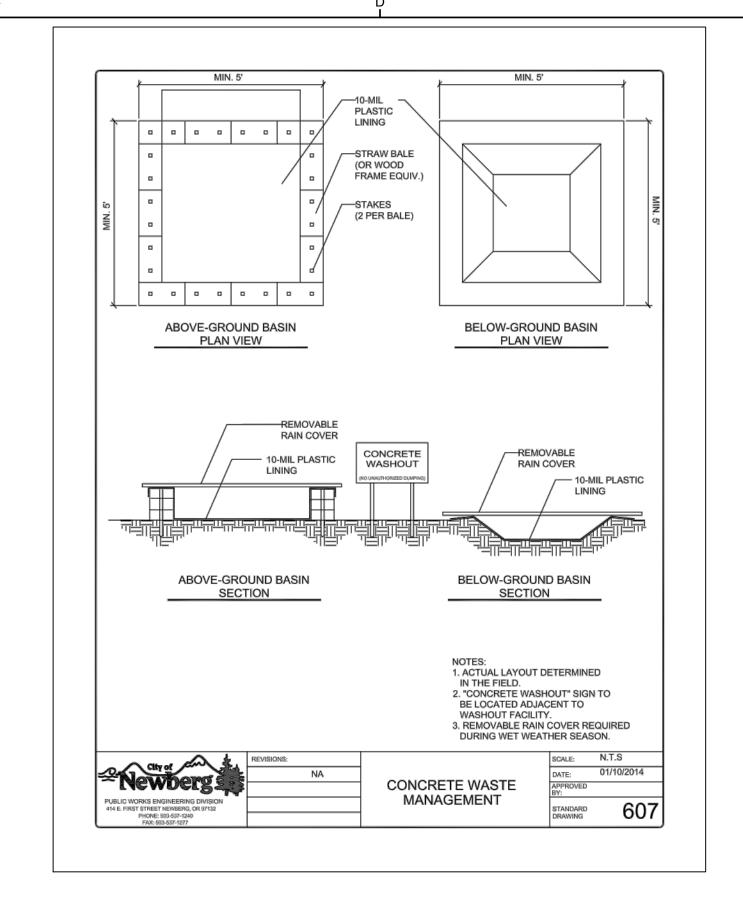
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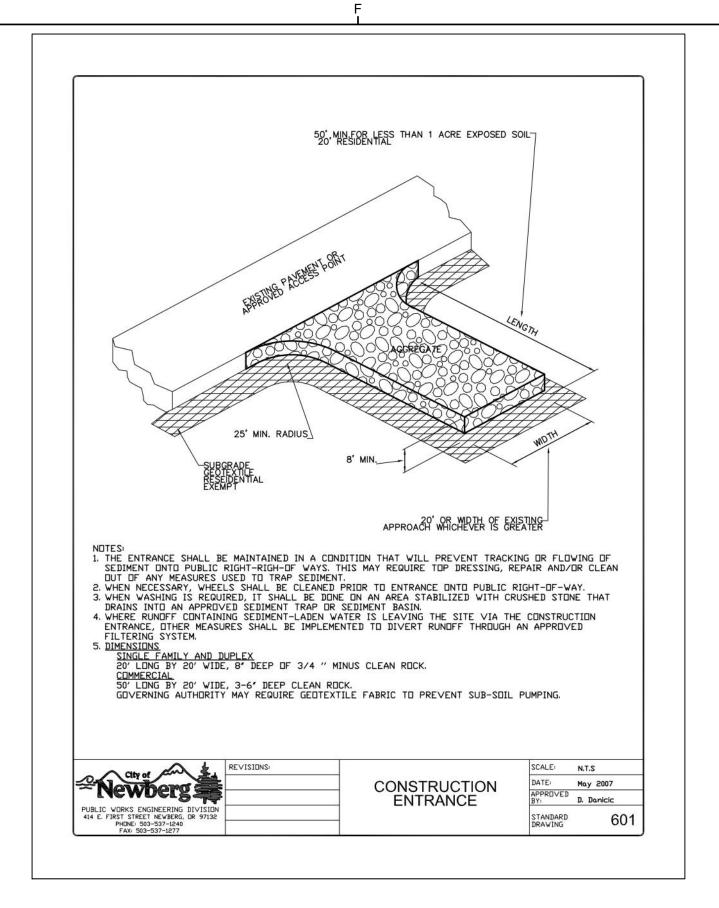
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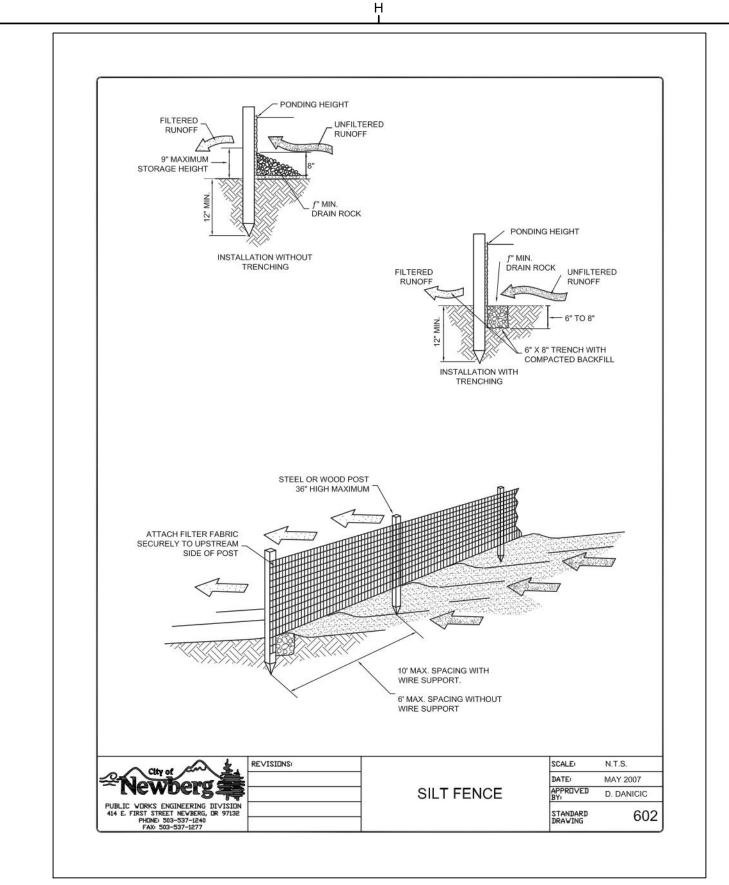
AND PIPELINE Kennedy Jenks **DETAILS**

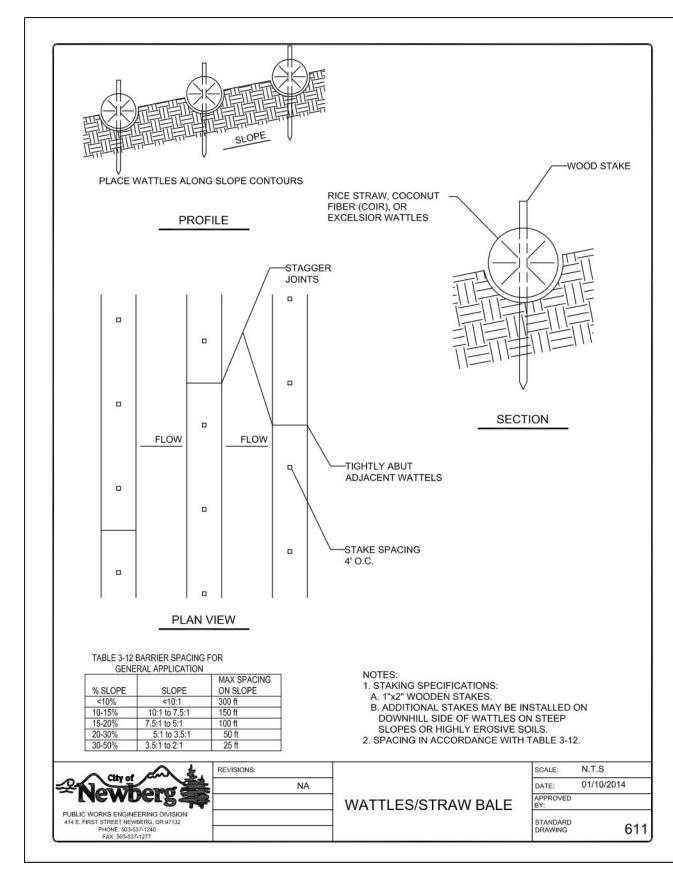
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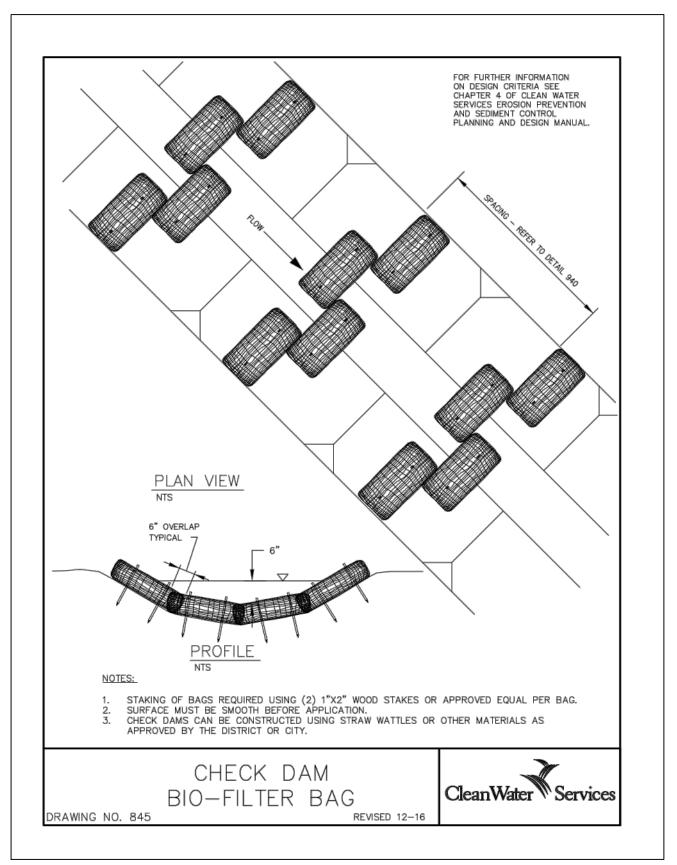














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