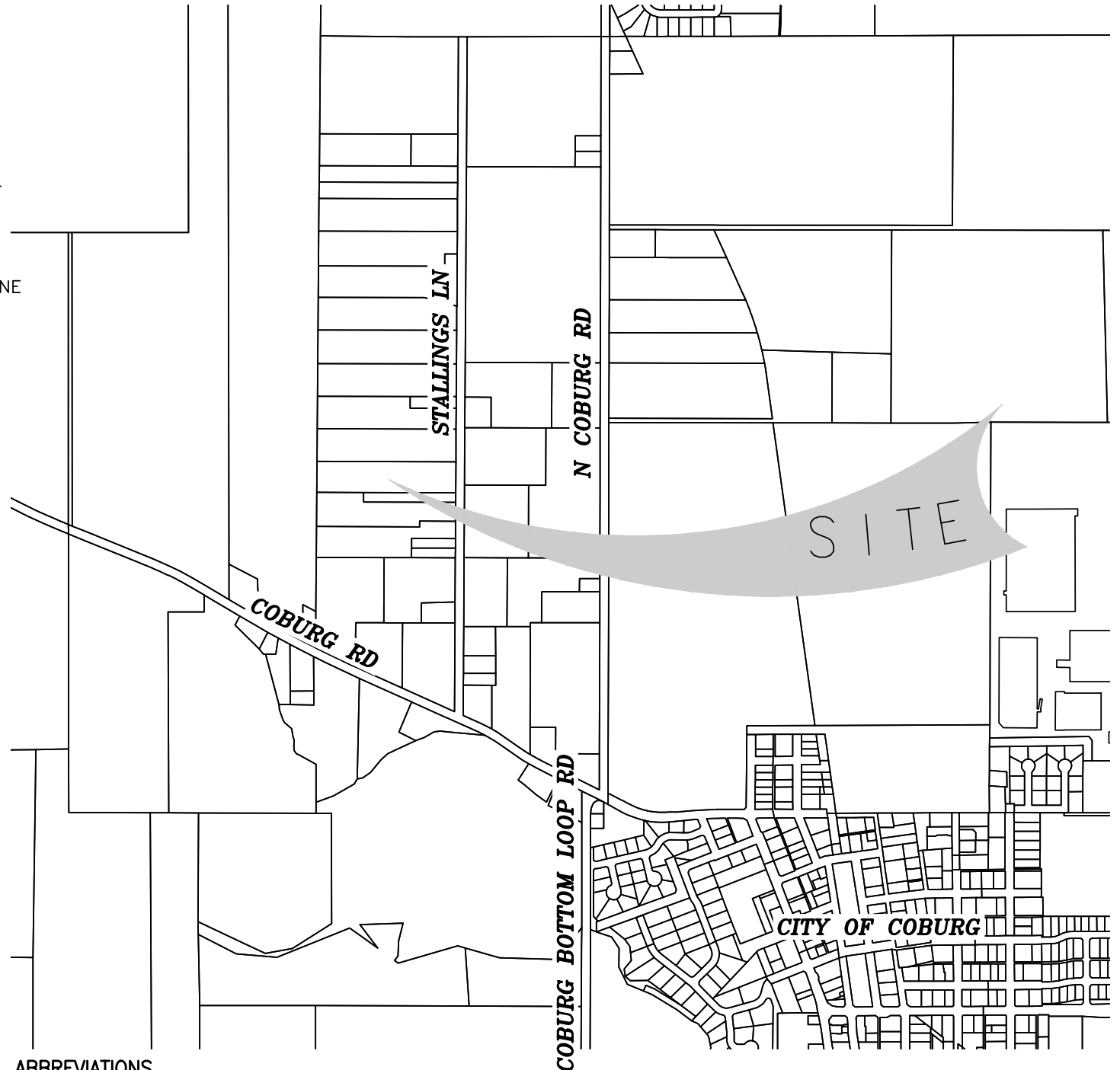
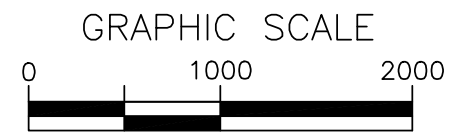


CITY OF COBURG SECONDARY WELLFIELD

COBURG, OREGON

LEGEND

- PROPERTY LINE
- ADJOINING PROPERTY LINE
- RIGHT-OF-WAY CENTER LINE
- FENCE
- CONTOUR LINE
- POWER POLE
- ASPHALT EDGE
- EXISTING BUILDING
- GRAVEL
- CONCRETE



ABBREVIATIONS

C	CONCRETE	PROP.	PROPOSED	CL	CENTERLINE
AC	ASPHALT CONCRETE	SAN	SANITARY	L	LEFT
HMAC	HOT MIX ASPHALT	LAT	LATERAL	R	RIGHT
MAX.	MAXIMUM	IE	INVERT ELEVATION	WW	WASTEWATER
MIN.	MINIMUM	ELEV.	ELEVATION	SS	SANITARY SEWER
STA.	STATION	FG	FINISHED GRADE	STM	STORM
HWY.	HIGHWAY	EG	EXISTING GRADE	PSI	POUNDS PER SQUARE INCH
STD	STANDARD	HORZ.	HORIZONTAL	ROW	RIGHT OF WAY
DWG	DRAWING	VERT.	VERTICAL		
W/L	WATERLINE	ODOT	OREGON DEPARTMENT OF TRANSPORTATION		
STD.	EXISTING				

OWNER:
 THE CITY OF COBURG
 91136 N. WILLAMETTE STREET
 COBURG, OR 97408
 CONTACT: BRIAN HARMON
 PHONE: (541) 228-8281

CIVIL ENGINEER:
 BRANCH ENGINEERING, INC.
 310 5TH STREET
 SPRINGFIELD, OR 97477
 CONTACT: JULIE LELAND, P.E.
 PHONE: (541) 746-0637

UTILITY REPRESENTATIVES:

WATER - CITY OF COBURG	541-912-8291
SEWER - LANE SANITARIAN	541-682-3754
ELECTRIC - EPUD	541-746-1583
ELECTRIC - PACIFIC POWER	800-283-4237
GAS - NW NATURAL	503-220-2427
FIRE - COBURG RURAL FIRE	541-686-1573
COMMUNICATIONS - LUMEN	541-484-7796
COMMUNICATIONS - CHARTER	866-731-5420

ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 951-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT 503-232-1987.

SHEET INDEX
 C0.0 COVER SHEET
 C0.1 GENERAL CONSTRUCTION NOTES
 C1.0 EXISTING CONDITIONS
 C2.0 SITE PLAN
 C3.0 DETAILS

Digitally signed by
 Julie Lynn Leland
 Date: 2023.04.13
 18:29:55-07'00'



CITY OF COBURG SECONDARY WELLFIELD
CONSTRUCTION PLANS
 91430 STALLINGS LANE
 COBURG, OR
 97408

revisions:

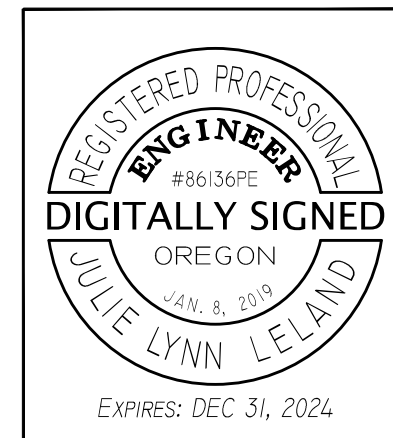
date: APRIL 14, 2023
 drawn by: KS
 designer: JL
 project no: 18-004C

COVER SHEET

sheet: **C0.0**

GENERAL CONSTRUCTION NOTES

1. CONSTRUCTION SHALL CONFORM TO THE CURRENT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE OREGON STANDARD DRAWINGS. WHERE COBURG STANDARD DRAWINGS ARE REFERENCED AND APPLICABLE TO THE CONSTRUCTION, COBURG STANDARDS SHALL APPLY.
2. OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. THE CONTRACTOR MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987).
3. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF ORS 757.541 TO 757.571. THE CONTRACTOR SHALL NOTIFY EACH UNDERGROUND UTILITY AT LEAST 48 BUSINESS-DAY HOURS, BUT NOT MORE THAN 10 BUSINESS DAYS, PRIOR TO EXCAVATING, BORING, OR POTHOLING.
4. CONTRACTOR TO NOTIFY CITY, COUNTY AND ALL UTILITY COMPANIES A MINIMUM OF 48 BUSINESS HOURS (2 BUSINESS DAYS) PRIOR TO START OF CONSTRUCTION, AND COMPLY WITH ALL OTHER NOTIFICATION REQUIREMENTS OF AGENCIES WITH JURISDICTION OVER THE WORK.
5. CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION. WHERE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION, THE CONTRACTOR SHALL SUBMIT A SUITABLE MAINTENANCE BOND PRIOR TO FINAL PAYMENT.
6. UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR, CONSTRUCTION OF ALL PUBLIC FACILITIES SHALL BE DONE BETWEEN 7:00 A.M. AND 6:00 P.M., MONDAY THROUGH FRIDAY.
7. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.
8. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL HOMES AND BUSINESSES AT ALL TIMES. PROVIDE WRITTEN NOTICE TO ALL PROPERTY OWNERS AT LEAST TWO BUSINESS DAYS IN ADVANCE OF WORK.
9. CONTRACTOR SHALL NOTIFY CITY ENGINEER AND OWNER 48 HOURS BEFORE STARTING CONSTRUCTION, AND 24 HOURS BEFORE RESUMING WORK AFTER SHUTDOWNS EXCEPT FOR NORMAL RESUMPTION OF WORK FOLLOWING SATURDAY, SUNDAYS, OR HOLIDAYS. CONTRACTOR SHALL NOTIFY THE CITY ENGINEER A MINIMUM OF 48 HOURS PRIOR TO ANY TESTING OR REQUIRED INSPECTION.
10. ANY ALTERATION OR VARIANCE FROM THESE PLANS, EXCEPT MINOR FIELD ADJUSTMENT NEEDED TO MEET EXISTING FIELD CONDITIONS, SHALL FIRST BE APPROVED BY THE CITY ENGINEER. ANY ALTERATIONS OR VARIANCE FROM THESE PLANS SHALL BE DOCUMENTED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE CITY ENGINEER. ANY PROPOSED CHANGES IN CONSTRUCTION PLANS MUST BE SUBMITTED IN WRITING AND APPROVED BY CITY ENGINEER PRIOR TO COMMENCING WORK.
11. WORK SHALL NOT BE PERFORMED WITHOUT CITY INSPECTIONS. A MINIMUM 48-HOUR ADVANCE NOTICE OF REQUIRED INSPECTIONS IS REQUIRED. ANY INSPECTION BY THE CITY, COUNTY OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE CODES, AND AGENCY REQUIREMENTS.
12. CONTRACTOR SHALL PROVIDE ALL TESTING, QUALITY CONTROL, AND LABORATORY SERVICES IN CONFORMANCE WITH THE OREGON DEPARTMENT OF TRANSPORTATION MANUAL OF FIELD TEST PROCEDURES OR AS THE CONTRACT DOCUMENTS MAY ADDITIONALLY REQUIRE. CONTRACTOR SHALL SEND COPIES OF ALL TESTING DATA, RESULTS, REPORTS, FIELD NOTES, ETC. WEEKLY TO THE ENGINEER. CITY MAY ELECT TO PERFORM SUPPLEMENTARY TESTING AT ITS DISCRETION AND CONTRACTOR MUST COORDINATE WITH THESE EFFORTS. CONTRACTOR SHALL INDICATE IN WRITING WHICH TESTS WERE PERFORMED EACH WEEK, THE RESULTS, AND WHAT ACTIONS HAVE BEEN TAKEN TO CORRECT OUT OF SPECIFICATION MATERIALS, IF DISCOVERED.
13. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE 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. FAILURE TO OBTAIN NECESSARY INSPECTION(S) AND APPROVAL(S) SHALL RESULT IN THE CONTRACTOR BEING FULLY RESPONSIBLE FOR ALL PROBLEMS ARISING FROM UNINSPECTED WORK.
14. ALL INSPECTIONS SHALL ADHERE TO THE ODOT SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED OR NECESSARY INSPECTIONS OR OBSERVATIONS FOR ALL WORK PERFORMED, REGARDLESS OF WHO IS RESPONSIBLE FOR PAYMENT. COST FOR RETESTING SHALL BE BORNE BY THE CONTRACTOR. COORDINATE PERIODIC CITY INSPECTIONS AND COMPACTION TESTING FOR THE BEDDING, PIPING ZONE, AND TRENCH BACKFILL EVERY 200', PRESSURE TESTING OF THE WATERLINE, BACTERIAL WATER TEST (PER OREGON HEALTH DIVISION), AND CHLORINE RESIDUAL TESTING IS REQUIRED AND SHALL BE PERFORMED AND INSPECTED.
15. CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ALL APPROVED DEVIATIONS IN CONSTRUCTION FROM THE APPROVED DRAWINGS, AS WELL AS THE STATION LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES ENCOUNTERED. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE CITY OR OWNER'S REPRESENTATIVE UPON REQUEST. FAILURE TO CONFORM TO THIS REQUIREMENT MAY RESULT IN DELAY IN PAYMENT AND/OR FINAL ACCEPTANCE OF THE PROJECT.
16. UPON COMPLETION OF CONSTRUCTION OF ALL NEW FACILITIES, CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE ENGINEER. ALL INFORMATION SHOWN ON THE CONTRACTOR'S FIELD RECORD DRAWINGS SHALL BE SUBJECT TO VERIFICATION. IF SIGNIFICANT ERRORS OR DEVIATIONS ARE NOTED, AN AS-BUILT SURVEY PREPARED AND STAMPED BY A REGISTERED PROFESSIONAL LAND SURVEYOR SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.
17. THE CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A REGISTERED CIVIL ENGINEER AND/OR LAND SURVEYOR LICENSED IN THE STATE OF OREGON TO ESTABLISH CONSTRUCTION CONTROL AND PERFORM INITIAL CONSTRUCTION SURVEYS TO ESTABLISH THE LINES AND GRADES OF IMPROVEMENTS AS INDICATED ON THE DRAWINGS. STAKING FOR BUILDINGS, STRUCTURES, CURBS, GRAVITY DRAINAGE PIPES/STRUCTURES AND OTHER CRITICAL IMPROVEMENTS SHALL BE COMPLETED USING EQUIPMENT ACCURATE TO 0.04 FEET HORIZONTALLY AND 0.02 FEET VERTICALLY, OR BETTER. USE OF GPS EQUIPMENT FOR CONSTRUCTION STAKING OF THESE IMPROVEMENTS IS PROHIBITED. THE REGISTERED PROFESSIONAL SURVEYOR SHALL PROVIDE THE DESIGN ENGINEER WITH COPIES OF ALL GRADE SHEETS FOR CONSTRUCTION STAKING PERFORMED FOR THE PROJECT. EXISTING SURVEY MONUMENTS OF RECORD (MONUMENTS) THAT WILL BE DISTURBED DURING CONSTRUCTION MUST BE REPLACED IN ACCORDANCE WITH OREGON REVISED STATUTE 209.150. THE CONTRACTOR SHALL HIRE AN OREGON LICENSED LAND SURVEYOR TO LOCATE AND TIE ANY MONUMENTS THAT MAY BE DISTURBED. APPROXIMATE MONUMENT LOCATIONS ARE SHOWN FOR REFERENCE ONLY. SOME MONUMENTS MAY NOT BE SHOWN. THE CONTRACTOR SHALL HIRE AN OREGON LICENSED LAND SURVEYOR TO REPLACE ALL DISTURBED MONUMENTS AND FILE ANY REQUIRED SURVEYS WITH THE APPROPRIATE AUTHORITY. CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH REPLACING DISTURBED MONUMENTS.
18. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER CITY AND COUNTY REQUIREMENTS IN ACCORDANCE WITH THE MUTCD (INCLUDING OREGON AMENDMENTS). ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY. PRIOR TO ANY WORK IN THE EXISTING PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL SUBMIT FINAL TRAFFIC CONTROL PLAN TO THE CITY, COUNTY AND ODOT FOR REVIEW AND ISSUANCE OF A LANE CLOSURE OR WORK IN RIGHT-OF-WAY PERMIT
19. THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MARKING ALL EXISTING SURVEY MONUMENTS OF RECORD (INCLUDING BUT NOT LIMITED TO PROPERTY AND STREET MONUMENTS) PRIOR TO CONSTRUCTION. IF ANY SURVEY MONUMENTS ARE REMOVED, DISTURBED OR DESTROYED DURING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A REGISTERED PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF OREGON TO REFERENCE AND REPLACE ALL SUCH MONUMENTS PRIOR TO FINAL PAYMENT. THE MONUMENTS SHALL BE REPLACED WITHIN A MAXIMUM OF 90 DAYS, AND THE COUNTY SURVEYOR SHALL BE NOTIFIED IN WRITING AS REQUIRED BY PER ORS 209.150.
21. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. ALL UTILITY CROSSINGS MARKED OR SHOWN ON THE DRAWINGS SHALL BE POTHOLED USING HAND TOOLS OR OTHER NON BORING METHODS. PRIOR TO EXCAVATING, CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE OR ALIGNMENT MODIFICATIONS WITHOUT DELAYING THE WORK. IF GRADE OR ALIGNMENT MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER OR THE OWNER'S REPRESENTATIVE SHALL OBTAIN APPROVAL FROM THE CITY PRIOR TO CONSTRUCTION.
22. 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 TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AND OWNER'S REPRESENTATIVE.
23. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES.
24. CONTRACTOR SHALL REMOVE ALL EXISTING SIGNS, MAILBOXES, FENCES, LANDSCAPING, ETC., AS REQUIRED TO AVOID DAMAGE DURING CONSTRUCTION AND REPLACE THEM TO EXISTING OR BETTER CONDITION.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO ENSURE THAT PUBLIC STREETS AND RIGHT-OF-WAYS ARE KEPT CLEAN OF MUD, AND DUST OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.
26. FINISH PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING PAVEMENT GRADES OR BE FEATHERED PAST JOINTS WITH PAVEMENT AS REQUIRED TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.
27. ALL EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENT BOXES, GAS VALVES, WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE PAVEMENT, SIDEWALK, LANDSCAPED AREA OR MEDIAN STRIP WHEREIN THEY LIE. VERIFY THAT ALL VALVE BOXES AND RISERS ARE CLEAN AND CENTERED OVER THE OPERATING NUT.
28. CONTRACTOR SHALL SEED AND MULCH (UNIFORMLY BY HAND OR HYDROSEED) EXPOSED SLOPES AND DISTURBED AREAS WHICH ARE NOT SCHEDULED TO BE LANDSCAPED, INCLUDING TRENCH RESTORATION AREAS. IF THE CONTRACTOR FAILS TO APPLY SEED AND MULCH IN A TIMELY MANNER DURING PERIODS FAVORABLE FOR GERMINATION, OR IF THE SEEDING AREAS FAIL TO GERMINATE, THE OWNER REPRESENTATIVE MAY (AT HIS DISCRETION) REQUIRE THE CONTRACTOR TO INSTALL SOD TO COVER SUCH DISTURBED AREAS.
29. RESTORE ALL DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS AND PERMANENTLY STABILIZE ALL AREAS DISTURBED DURING THE COURSE OF THE PROJECT.
30. CITY FORCES TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.
31. THRUST RESTRAINT SHALL BE PROVIDED ON ALL BENDS, TEES AND OTHER DIRECTION CHANGES PER LOCAL JURISDICTION REQUIREMENTS AND AS SPECIFIED OR SHOWN ON THE DRAWINGS. UNLESS OTHERWISE SHOWN OR APPROVED BY THE ENGINEER, ALL VALVES SHALL BE FLANGE CONNECTED TO ADJACENT TEES OR CROSSES.
32. WELL DRILLING CONTRACTOR'S ACCESS SHALL BE PER THE DEFINED WELLFIELD ACCESS ROAD ONLY.
33. WELL DRILLING CONTRACTOR SHALL REMOVE ALL MUD, SEDIMENT AND DRILLING TAILINGS AND DISPOSE OF PER CITY ENGINEER'S RECOMMENDATIONS AND OAR REGULATIONS.



Branch ENGINEERING
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 SURVEYING
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**CITY OF COBURG SECONDARY WELLFIELD
 CONSTRUCTION PLANS**
 91430 STALLINGS LANE
 COBURG, OR
 97408

revisions:

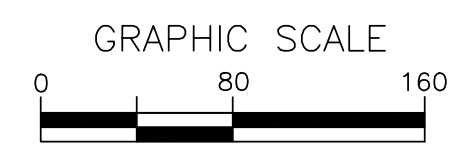
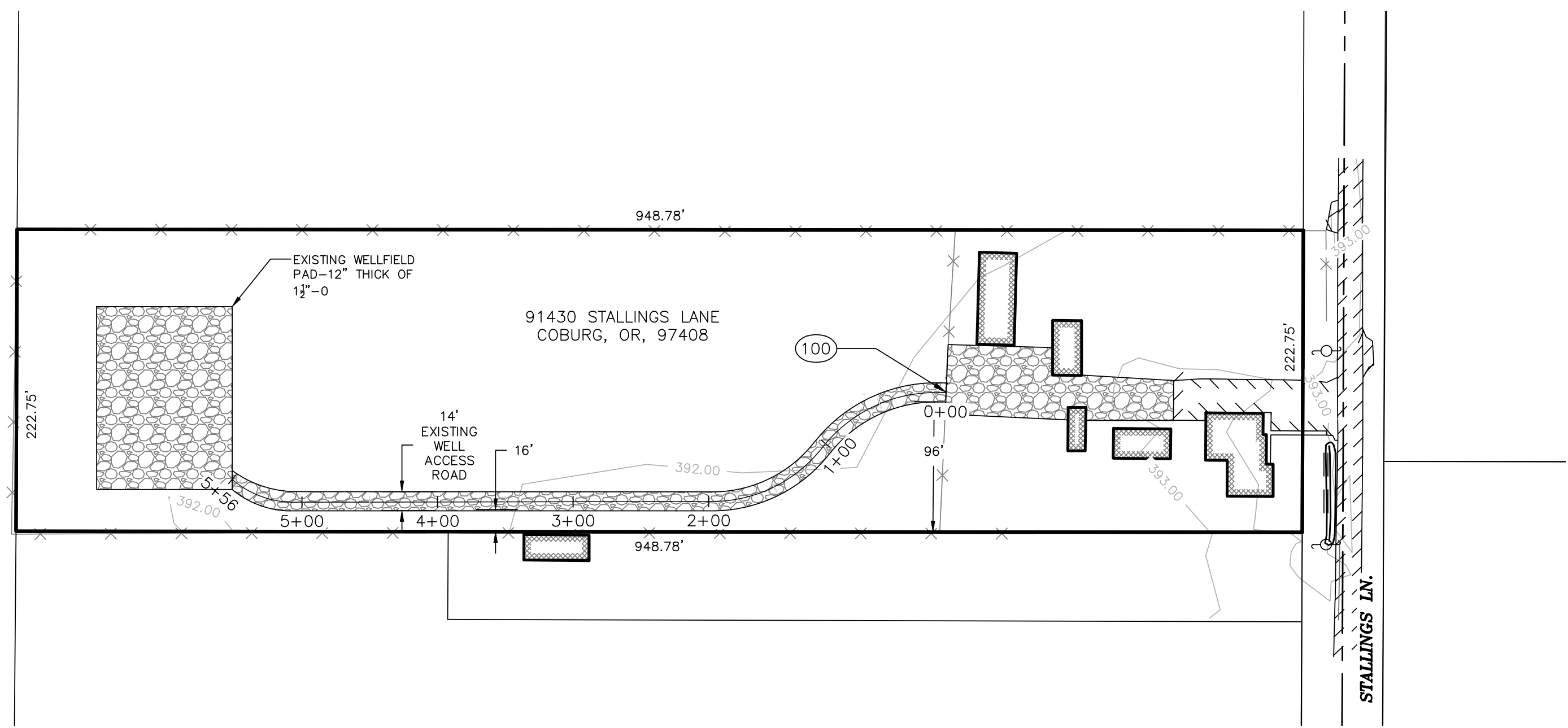
date: APRIL 14, 2023
 drawn by: KS
 designer: JL
 project no: 18-004C

**GENERAL
 CONSTRUCTION
 NOTES**

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WELLFIELD CONSTRUCTION NOTES

100 REMOVE EXISTING FENCE, TO BE REPLACED.

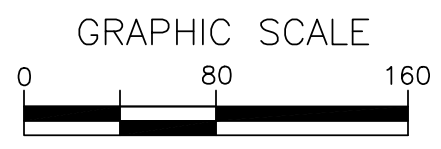
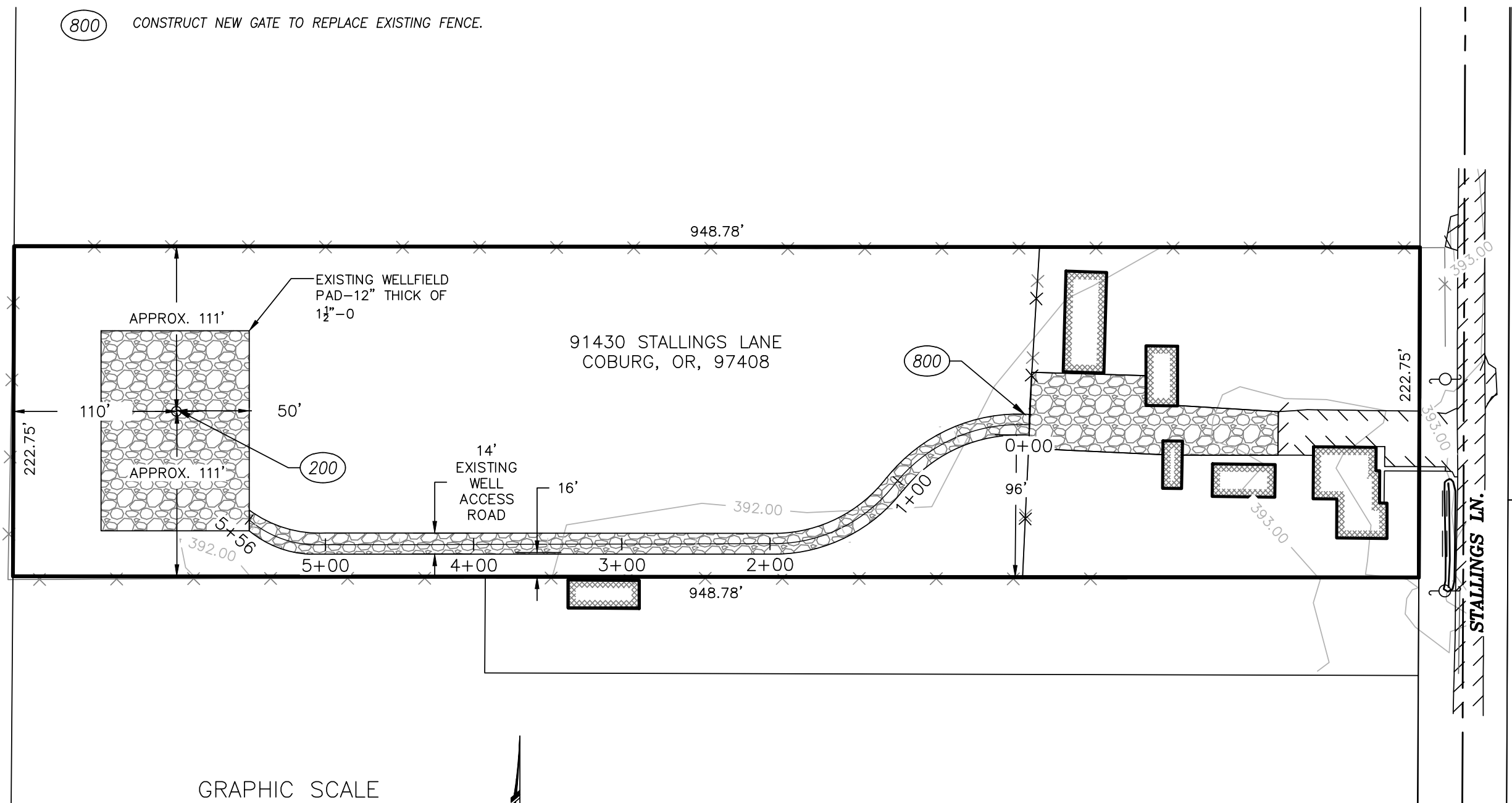


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WELLFIELD CONSTRUCTION NOTES

(200) CONSTRUCT MUNICIPAL WATER WELL PER DETAILS, SHEET C3.0.

(800) CONSTRUCT NEW GATE TO REPLACE EXISTING FENCE.

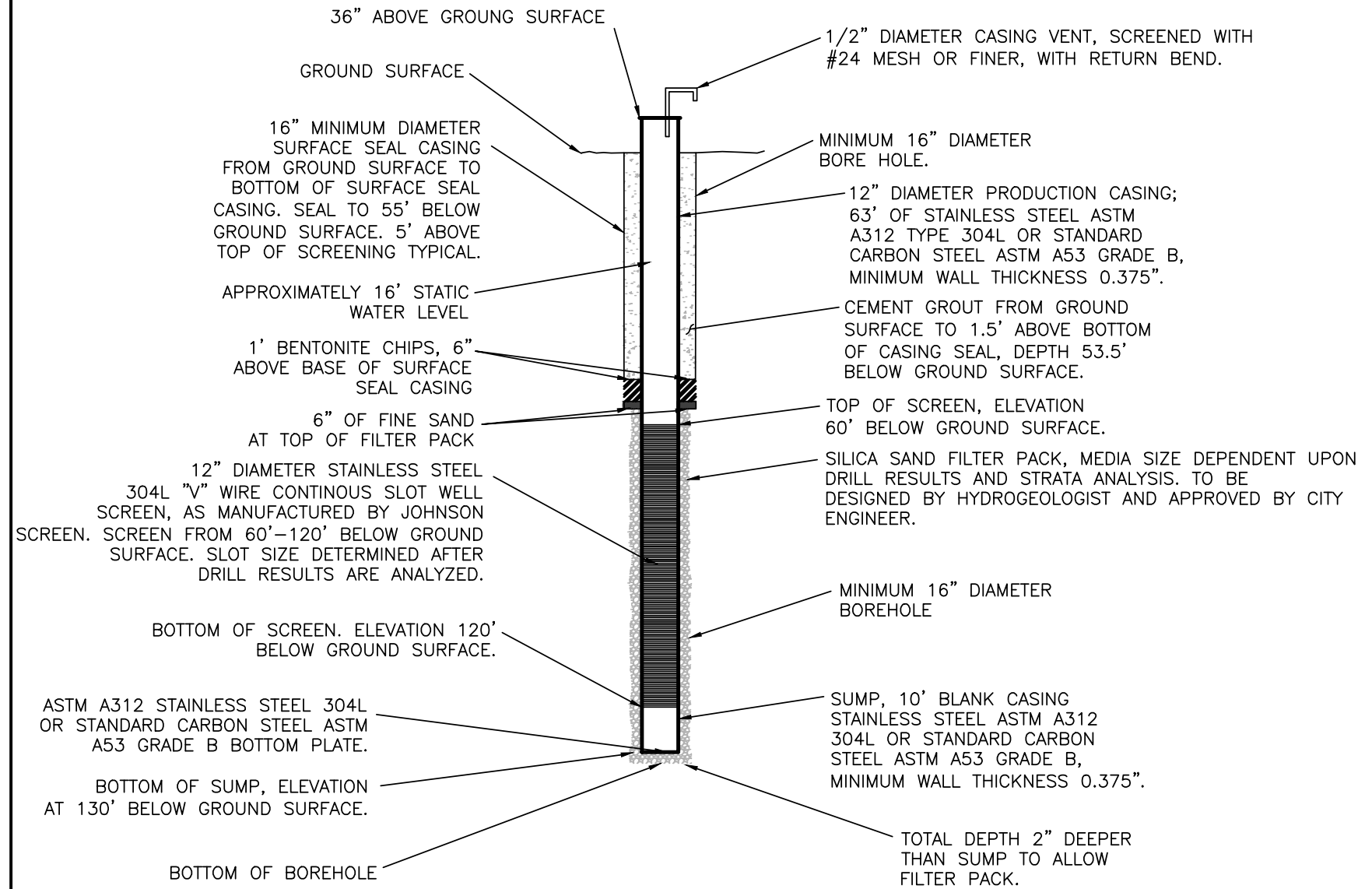


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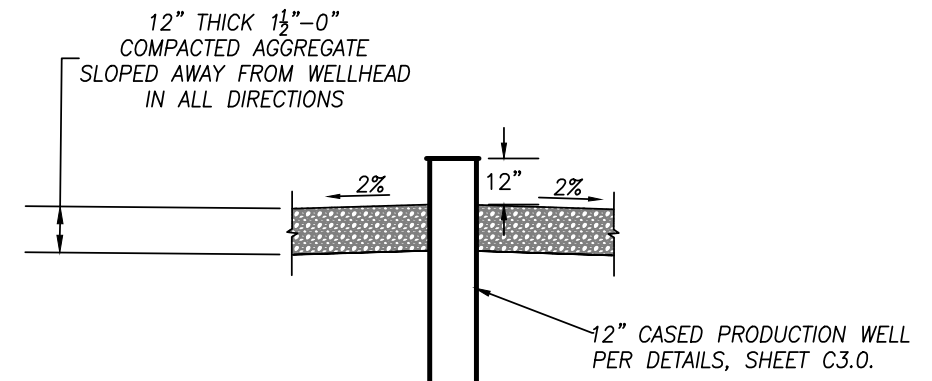
date: APRIL 14, 2023
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designer: JL
project no: 18-004C

DETAIL SHEET

sheet: **C3.0**



1 NEW 12" ALLUVIAL WATER WELL
SCALE: N.T.S.



2 WELL PAD SECTION
SCALE: N.T.S.

NOTES:

1. THE NEW MUNICIPAL WATER WELL DRILLING, CONSTRUCTION, TESTING AND USE SHALL ADHERE TO OAR 333-061-0050(2) & OAR 690-200 THRU 690-210 AND ORS 537.535-537.595.
2. IRON AND STEEL MATERIALS SHALL BE AMERICAN MADE. SEE PROJECT MANUAL FOR MORE INFORMATION.
3. NEW WELL SHALL BE DRILLED USING AIR ROTARY DRILL METHOD ONLY.
4. WELL TO BE INITIALLY DEVELOPED ONCE SCREENED CASING IS CONSTRUCTED AND A FINAL DEVELOPMENT POST CASING SEAL CONSTRUCTION.
5. WELL TO BE PUMP TESTED FOR YIELD AND DRAW DOWN POST FINAL DEVELOPMENT FOR A MINIMUM OF 24 HOURS. DRILLER TO PROVIDE RESULTS TO CITY ENGINEER. 450 GPM IS OPTIMAL YIELD, TEST PUMP CAPABLE OF APPROXIMATELY 800 GPM.

