

STRUCTURAL ENGINEERING PACKAGE

DRAWINGS:

000 - COVER PAGE

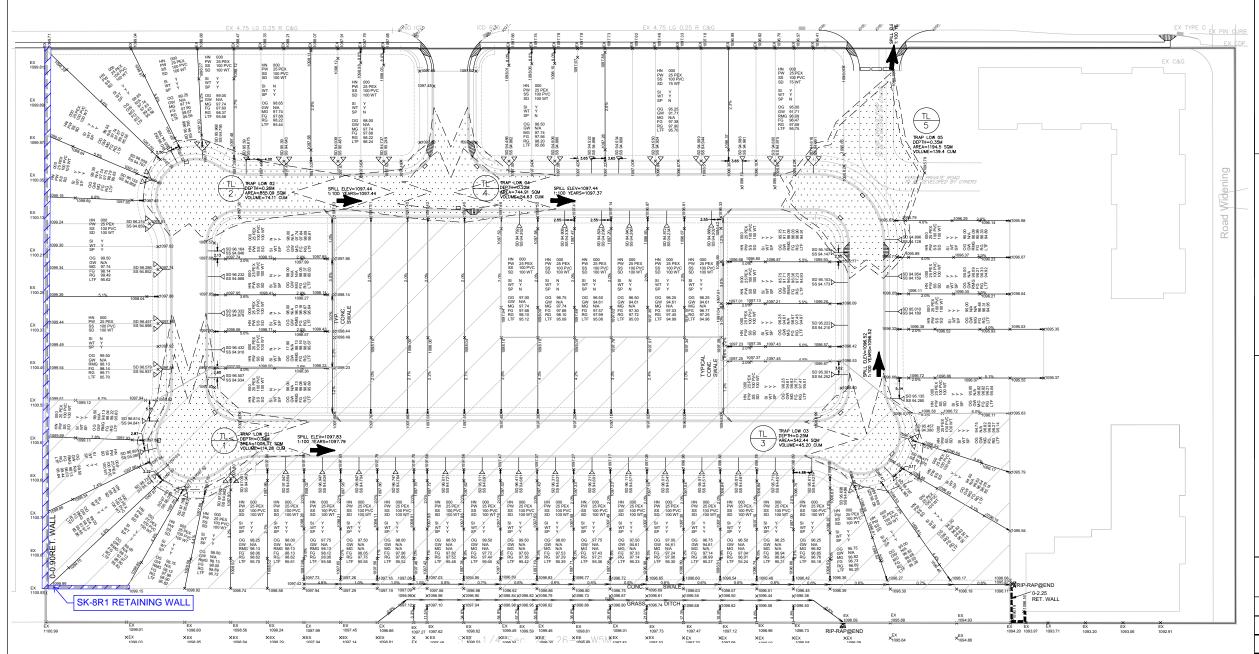
001 - RETAINING WALL SITE PLAN 002 - RETAINING WALL DETAIL ISSUED FOR BUILDING PERMIT DATE: June 11, 2024

CLIENT: PLANET EARTH BUILDERS

LOT: 1 BLOCK: 1

PLAN: 041 0640

SOUTH WINDSONG, AIRDRIE, ALBERTA



- ALL STRIP FOOTINGS (INCLUDING GARAGE) ARE TO BE 24"X10" C/W 4-10M REBAR MINIMI IM (LINLESS A SOIL INSPECTION IS CONDUCTED AND IS APPROVED BY BLUELINE ENGINEERING). OR LINLESS NOTED OTHERWISE IN THIS PLAN
- ALL STRIP FOOTINGS (INCLUDING GARAGE) ARE TO BE 24"X10" CW 4-10M REBAR MINIMUM (UNLESS A SOIL INSPECTION IS CONDUCTED AND IS APPROVED BY BLUELINE E CANTILEVERS ARE TO FOLLOW THE SK-7 EDTAIL USE SK-7 CORNER DETAIL FOR ALL FOUNDATION WALL CORNERS.

 ALL FOUNDATION WALLS ARE TO FOLLOW SK-8 STANDARD FOUNDATION WALL DETAIL UNLESS OTHERWISE SPECIFIED IN THIS DRAWING, OR BY BLUELINE ENGINEERING. REINFORCEMENT MATERIAL TO BE DEFORMED BILLET STEEL CONFORMING TO CAN/CSA-G30.18-M92 MINIMUM YIELD STRENGTH 400MPa.

 ALL CONCRETE IS TO BE MINIMUM 32 MPa TYPE 50 UNLESS NOTED OTHERWISE.

- ON-SITE SOIL BEARING CAPACITY IS TO BE MINIMUM 120 kPa UNLESS NOTED OTHERWISE. BUILDER ASSUMES ALL RESPONSIBILITY FOR ON-SITE SOIL CONDITIONS. ALL STRUCTURAL PADS ARE TO BE CENTERED UNDER THE TELEPOST.
- ALL SI ROCLIDARL PAIDS ARE 10 BE CENTIBED UNDER THE TELEPOST.

 REFER TO THE SUPPLIER LAYOUTS FOR ALL TELEPOST OR BUILT-UP-POST ARE DID. CACATIONS AND SPECIFICATIONS.

 BLUELINE ENGINEERING IS TO BE NOTIFIED IMMEDIATELY IF THE GROUND WATER LEVEL IS HIGHER THAN THE PROPOSED FOOTING LEVEL, IF THE GRADE SLIP IS NOT PRESENTED TO BLUELINE ENGINEERING, OR IF BLUELINE ENGINEERING IS NOT MADE AWARE OF THE HIGH WATER TABLE PRIOR TO THE STAMPING OF THIS FOUNDATION PLAN, THE BUILDER ASSUMES ALL RESPONSIBILITY AND COSTS ASSOCIATED WITH THE RECESSARY CORRECTIONAL MEASURES AS PER THE 2023 NBC-AE.

 BLUELINE ENGINEERING IS TO BE NOTIFIED IMMEDIATELY IF ANY CHANGES ARE MADE TO THE FLOOR JOIST AND/OR ROOF TRUSS LAYOUTS, OR THE ARCHITECTURAL, MECHANICAL, AND/OR ELECTRICAL DRAWINGS
- THIS INTERPRETATION OF THE ARCHITECTURAL DRAWINGS IS TO BE USED AS A REFERENCE FOR STRUCTURAL MARKUPS AND DETAILS ONLY, DESIGNER ASSUMES ALL LIABILITY FOR BUILDING CODE. BLAW, AND ARCHITECTURAL REGULATIONS OUTSIDE THE SCOPE OF BLUELINE ENGINEERING.
- 13. REFER TO THE SUPPLIER LAYOUTS AND ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATIONS OF ALL PADS AND FOOTINGS, BUILDER IS REQUIRED TO VERIFY THE LOCATION OF ALL PADS AND FOOTINGS WITH THE ARCHITECTURAL DESIGNER AND LAYOUT SUPPLIER PRIOR TO CONSTRUCTION.

 14. ALL EXTERIOR PADS AND FOOTINGS ARE REQUIRED TO BE A MINIMUM 4:0" BELOW GRADE FOR FROST PROTECTION, UNLESS NOTED OTHERWISE, IN THIS DRAWING, BY BLUELINE ENGINEERING, OR A SUPERSEDING GEOTECHNICAL REPORT SPECIFIC TO THE AREA. IN ALL CASES, THE GREATER FROST PROTECTION DEPTH MUST BE USED UNLESS SPECIFICALLY STATED OTHERWISE.

- THIS ENGINEERING DRAWING PACKAGE, INCLUSIVE OF ALL RELATED DOCUMENTS AND PLANS, IS PROVIDED WITH THE ENGINEERING STAMPS AFFIXED TO THE FOUNDATION PLAN ARE SOLELY APPLICABLE TO THE ENGINEERING MARK-UPS AND MODIFICATIONS. THE FOUNDATION PLAN ITSELF, AS PREPARED BY THE DRAFTER, REMAINS
- THE ENGINEERING STAMPS APPLIED TO THE ENGINEERING MARK-UPS AND MIDDIFICATIONS. THE FOUNDATION PLANTISCH, AS REPARED BY THE ENGINEERING MARK-UPS AND INSTINCT FROM OUR ENGINEERING.

 THE ENGINEERING STAMPS APPLIED HEREIN ARE NOT INTENDED TO IMPLY COMPREHENSIVE REVIEW OR ENDORSEMENT OF THE ENTIRE FOUNDATION PLAN THE ENGINEERING STAMPS APPLIED HEREIN ARE NOT INTENDED TO IMPLY COMPREHENSIVE REVIEW OR ENDORSEMENT OF THE ENTIRE FOUNDATION PLAN THE ENGINEERING ASSESSMENTS AND ENDORSEMENTS ARE SPECIFICALLY LIMITED TO THE ALTERATIONS, MODIFICATIONS, OR ADDITIONS EXPLICITLY DETAILED WITHIN OUR MARK-UPS.

 IT IS IMPRICATIVE TO ACKNOWLEDGE THAT ANY STRUCTURAL OR FOUNDATION PLAN THAT FALL OUTSIDE THE SCOPE OF ENGINEERING ASSESSMENT OR DESIGNATED PROFESSIONALS. WE ASSUME NO LIABILITY OR RESPONSIBILITY FOR PORTIONS OF THE FOUNDATION PLAN THAT FALL OUTSIDE THE SCOPE OF ENGINEERING ASSESSMENT OF THE POUNDATION PLAN THAT FALL OUTSIDE THE SCOPE OF ENGINEERING ASSESSMENT OF THE POUNDATION PLAN THAT FALL OUTSIDE THAT FALL OUTSID RECIPIENTS OF THIS DRAWING PACKAGE ARE ADVISED TO EXERCISE DUE DILIGENCE AND SEEK APPROPRIATE EXPERTISE FOR ANY COMPONENTS OF THE EXPLICIT MODIFICATIONS MARKED WITH OUR ENGINEERING STAMPS. OUR STAMP IS NOT AN ENDORSEMENT OF THE DRAFTER'S WORK AS A WHOLE, BUT RATHER A REFLECTION
- THIS DISCLAIMER IS PRESENTED TO ENSURE A CLEAR UNDERSTANDING OF THE BOUNDARIES OF OUR ENGINEERING ASSESSMENTS AND ENDORSEMENTS. ANY UNINTENDED MISINTERPRETATION OR MISUSE OF OUR STAMP IS NOT ENDORSED OR SANCTIONED BY BLUELINE ENGINEERING

BY UTILIZING THIS DRAWING PACKAGE, YOU AGREE TO ACKNOWLEDGE AND ADHERE TO THE LIMITATIONS OUTLINED IN THIS DISCLAIMER

- THIS DRAWING IS TO BE USED AS A REFERENCE FOR STRUCTURAL FRAMING AND/OR CONCRETE ONLY AND MUST NOT BE SCALED.
 ALL DIMENSIONS ARE BASED ON THE ARCHITECTURAL DRAWINGS AND ARE TO BE USED AS A REFERENCE ONLY. EXACT ON-SITE CONDITIONS MAY VARY. BUILDERS ARE
- EXPECTED TO USE THEIR DISCRETION REGARDING ALL DIMENSIONS.
 - EAFECTED TO SET THEIR DISCRETION RESEARCHING ALL DIMENSIONS. ALL ERRORS OR OMISSIONS MUST BE REPORTED TO THE DESIGN ENGINEER IMMEDIATELY AND PRIOR TO ANY CONSTRUCTION.
 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO THE COMMENCEMENT OF WORK.
- COMMENCEMENT OF WORK.

 5. VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE DESIGN ENGINEER.

 6. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE FLOOR JOIST AND ROOF TRUSS LAYOUTS, AS WELL AS THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- DRAWINGS: BUILDERS MAY ADD STUDS WHERE NECESSARY, STUDS PLACED BETWEEN WINDOWS ARE AN ESTIMATION BASED ON THE ARCHITECTURAL DRAWINGS. BUILDER IS EXPECTED TO USE THEIR DISCRETION.
- FRAMING: APPROPRIATE SPRAY FOAM INSULATION MAY BE REQUIRED TO MEET THE 2023
- FRAMING: APPROPRIALE SPRAY FUAM INSULATION MAY BE REQUIRED TO MEET THE 2023 NBC AE.

 BUILDER IS TO USE THE MOST UP-TO-DATE VERSION OF ALL DRAWINGS. ALL RE-STAMPED AND/OR RE-ISSUED DRAWINGS SUPERSEDE PREVIOUSLY ISSUED/STAMPED DRAWINGS. BLUELINE ENGINEERING DOES NOT ACCEPT ANY RESPONSIBILITY FOR CASES IN WHICH OUT-DATED OR SUPERSEDED DRAWINGS ARE USED IN PLACE OF NEW DRAWINGS.

Blueline **ENGINEERING**

410, 301 - 14 Street NW Calgary, Alberta T2N 2A1 (403) 420 - 5560 bluelineengineeringltd@gmail.com

11/06/2024

REVISIONS

DESCRIPTION

LEGAL DESCRIPTION

LOT: 1 BLOCK: 1 PLAN: 041 0640

SOUTH WINDSONG. AIRDRIE, ALBERTA

CLIENT: PLANET EARTH BUILDERS

SHEET TITLE

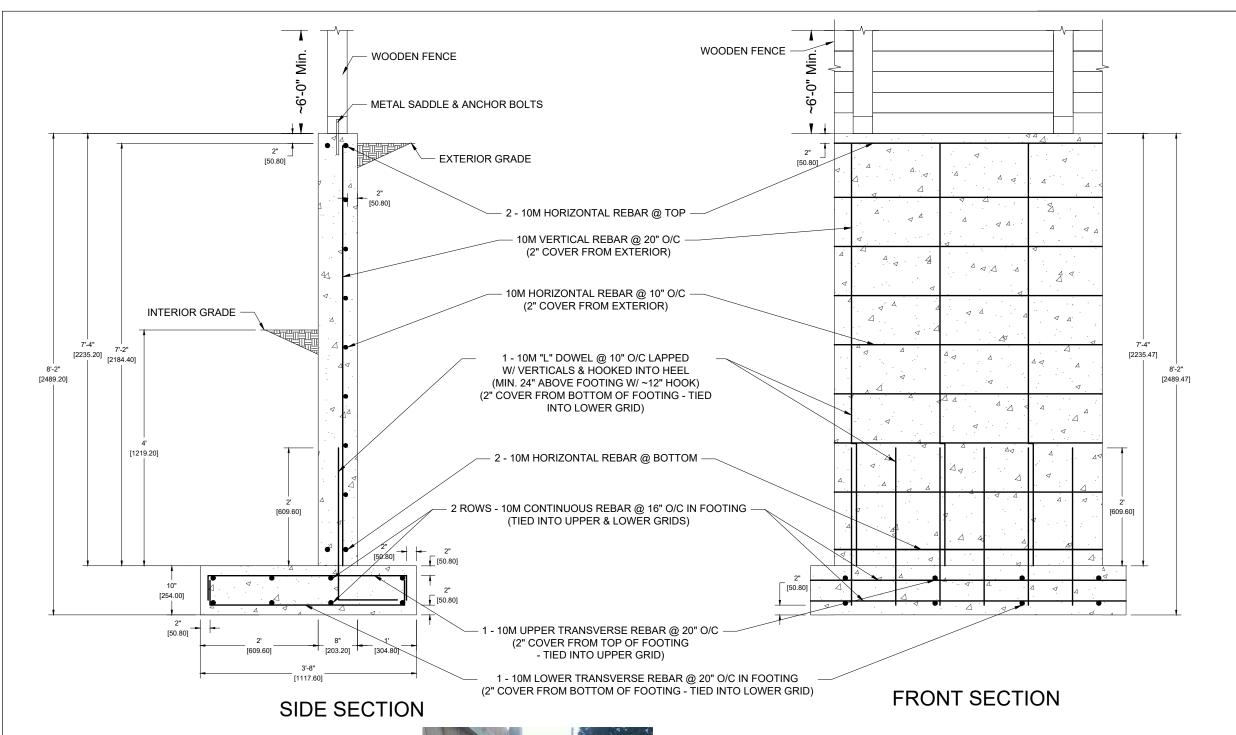
RETAINING WALL SITE PLAN

SCALE: NOT TO SCALE

SHEET NUMBER

DATE: 11/06/2024

001



SK-8R1

RETAINING WALL DETAIL 1

SCALE: NOT TO SCALE



<u> </u>	
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4.36 ft·k/ft 0.4085 5848 lb/ft 0.02 in²/in

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STAMP



11/06/2024 ID# 64279 PERMIT TO PRACTICE: P 14964

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> SOUTH WINDSONG. AIRDRIE, ALBERTA

CLIENT: PLANET EARTH BUILDERS

SHEET TITLE

RETAINING WALL DETAIL 1

SHEET NUMBER SCALE: NOT TO SCALE 002 **DATE:** 11/06/2024