

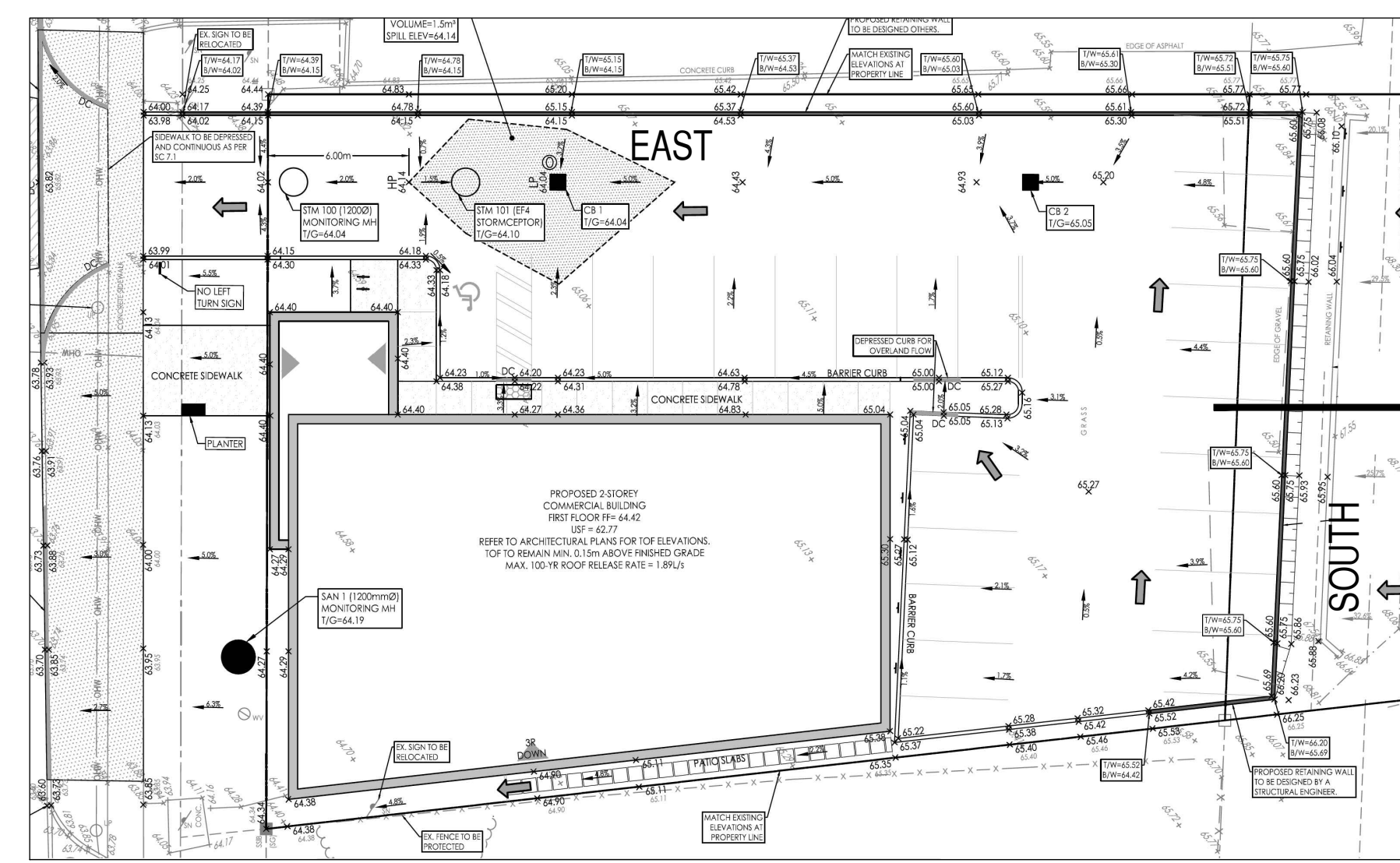
NOTES

- (1) Insulation details updated as per Kollaard Associates Engineers drawing dated August 28, 2024
- (2) Minimum soil bearing capacity = 150 kPa (ULS) at the elevation as shown, confirmed by the soil engineer, as per Kollaard Associates Engineers Report, File # 190361, dated August 19, 2024

respect this line (1 : 1.5 slope) anything beyond the right hand side of this line will undermine the existing footing

#9.1 ~ REINFORCE TO EXISTING RETAINING WALL (SOUTH)

- Notes:
- ~ Concrete to be 30 mPa at 28 days, with 5% air (+/- 1%). Cement GU General use Hydraulic Cement
 - ~ Rebar 400 mPa, Galvanized (note that the soil is corrosive, according to soil report)
 - ~ Lap 42 x bar diameter, which is 630mm for 15m bar
 - ~ concrete cover 3" [76mm] typical
 - ~ vertical control joint (1/4" wide x 3/4" deep), at 25' o.c. maximum
 - ~ retaining wall at the south west corner is not built yet, step foundation (and with larger foundation/heavier reinforcement is expected) details to be provided to suit the site conditions, at the time of excavation

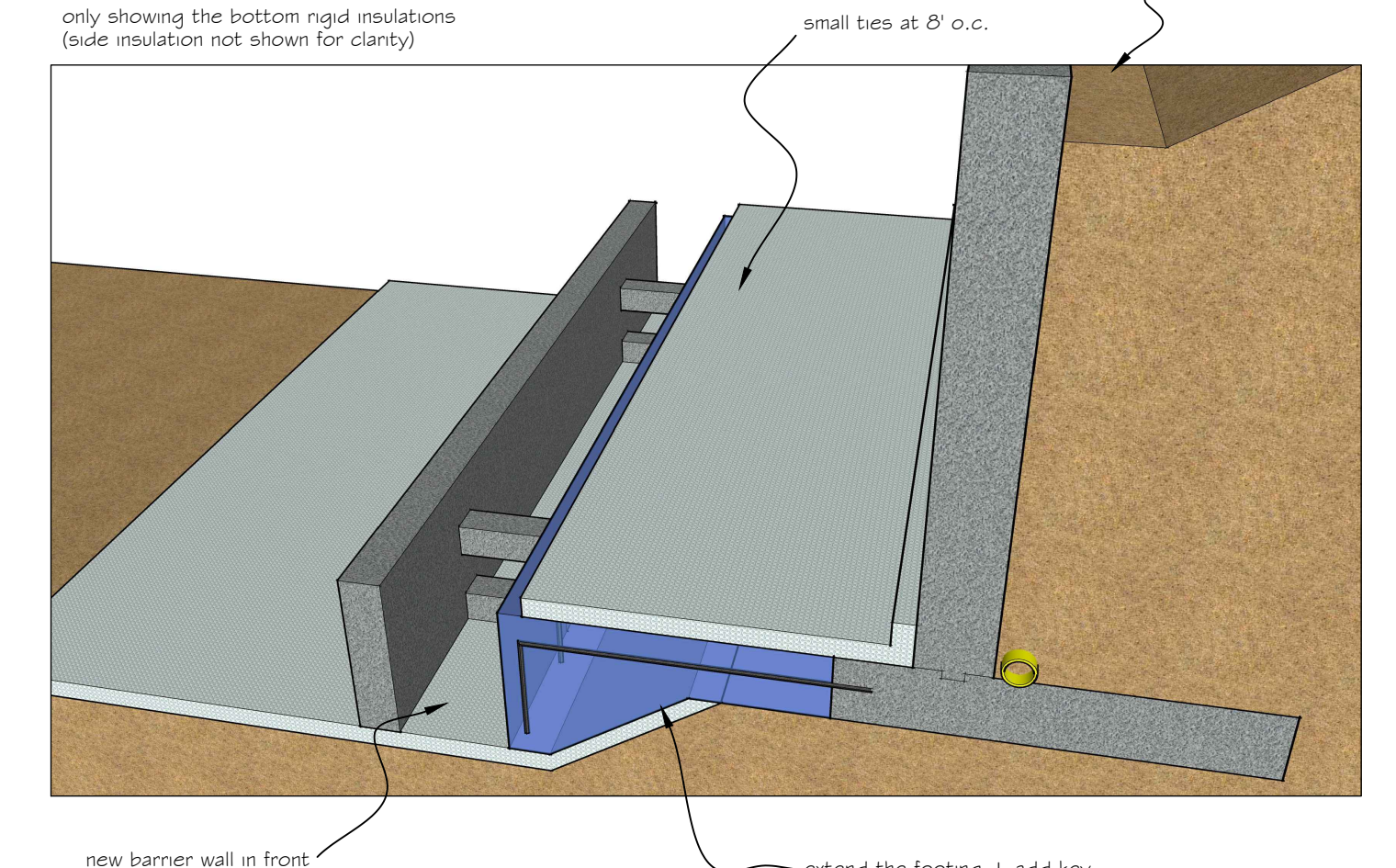


RETAINING WALL KEY PLAN

John Seigny
JOHN SEIGNY C.E.T.
 MANAGER (A), DEVELOPMENT REVIEW EAST
 PLANNING, DEVELOPMENT & BUILDING SERVICES
 DEPARTMENT, CITY OF OTTAWA

APPROVED
 By seignyjo at 11:55 am, Oct 23, 2024

3d illustrations



13		
12		
11		
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3	insulation details updated as per Kollaard Associates Engineers' drawing	August 28, 2024
2	addition to existing retaining wall (grade is proposed to be lowered)	May 6, 2024
1	preliminary	January 2021

DAIDO GROUP INC.
 STRUCTURAL ENGINEERS
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PROJECT
Orleans Physio
 1994 St. Joseph Blvd.,
 Ottawa, Ontario

TITLE
**REINFORCEMENT TO EXISTING
 RETAINING WALL DETAILS
 (South Wall)**

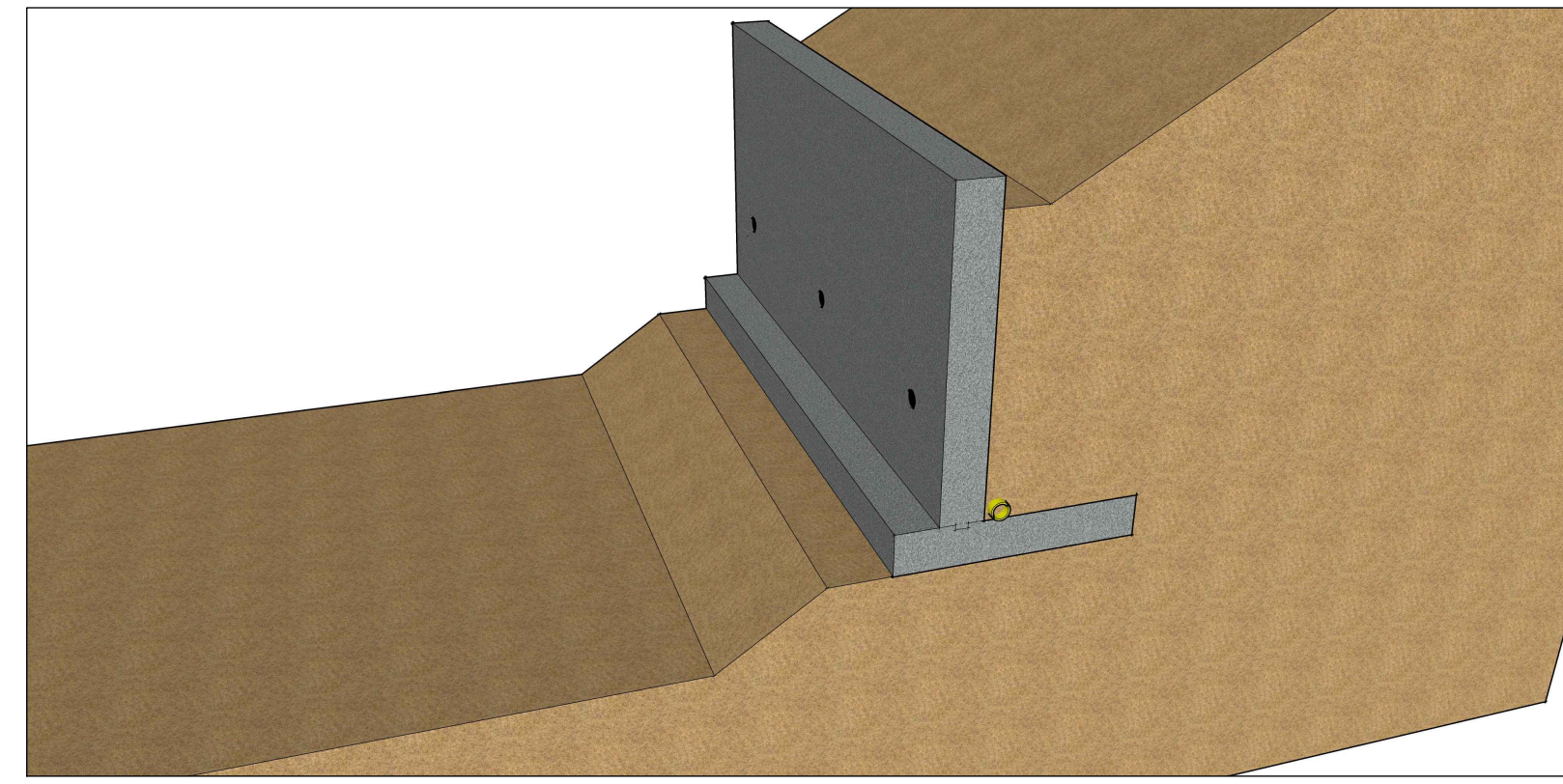
DRAWN
 TRENCH TAI

OUR REF. DRAWINGS
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 (sheet) 1405p05angw11.6.swp
 (sheet) 05.swp
 (sheet) 06.swp

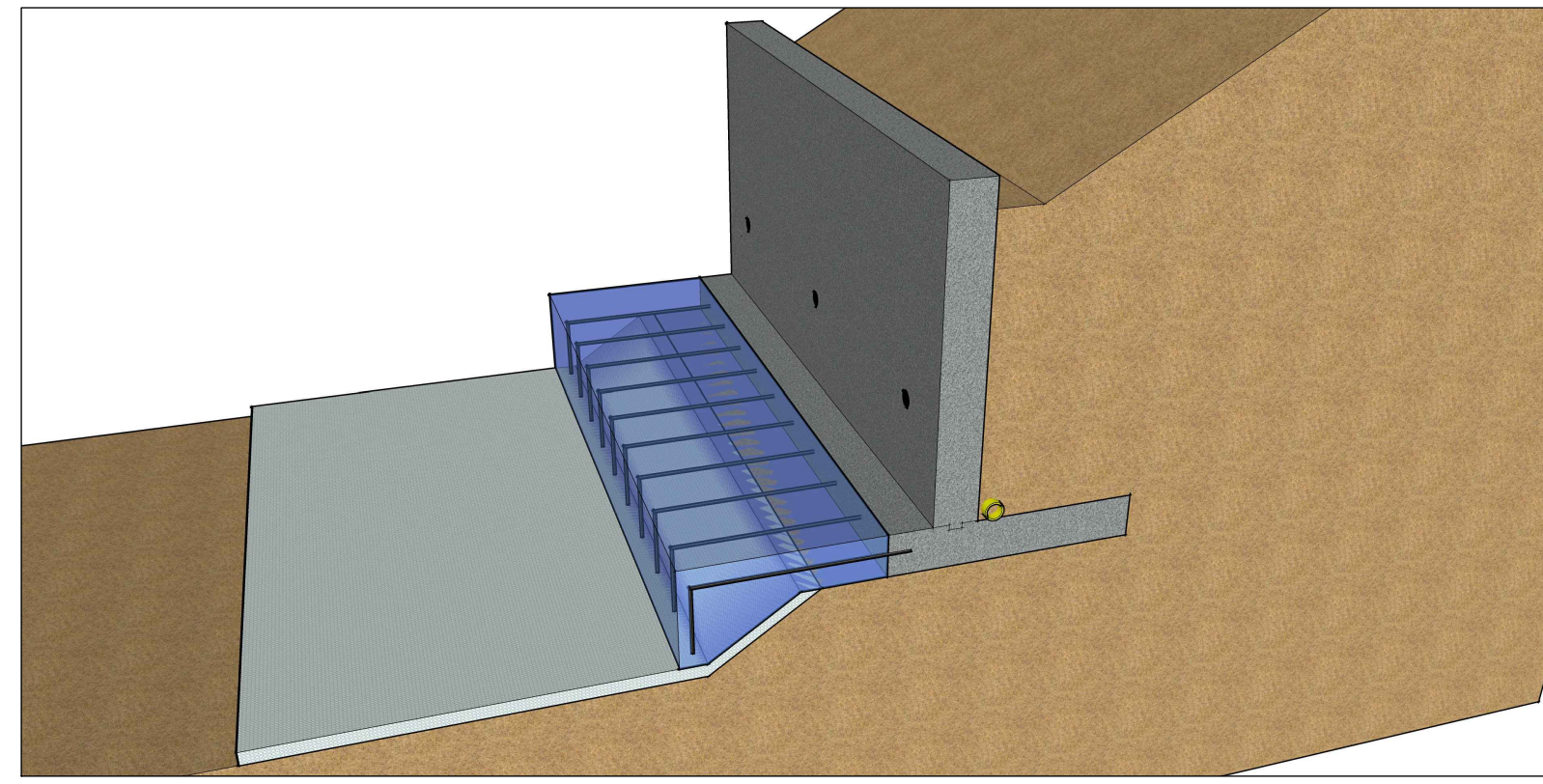
DRAWING NO.
S9
 (of 11)

SCALE: 1" = 1'-0"
 (Arch D 3022)

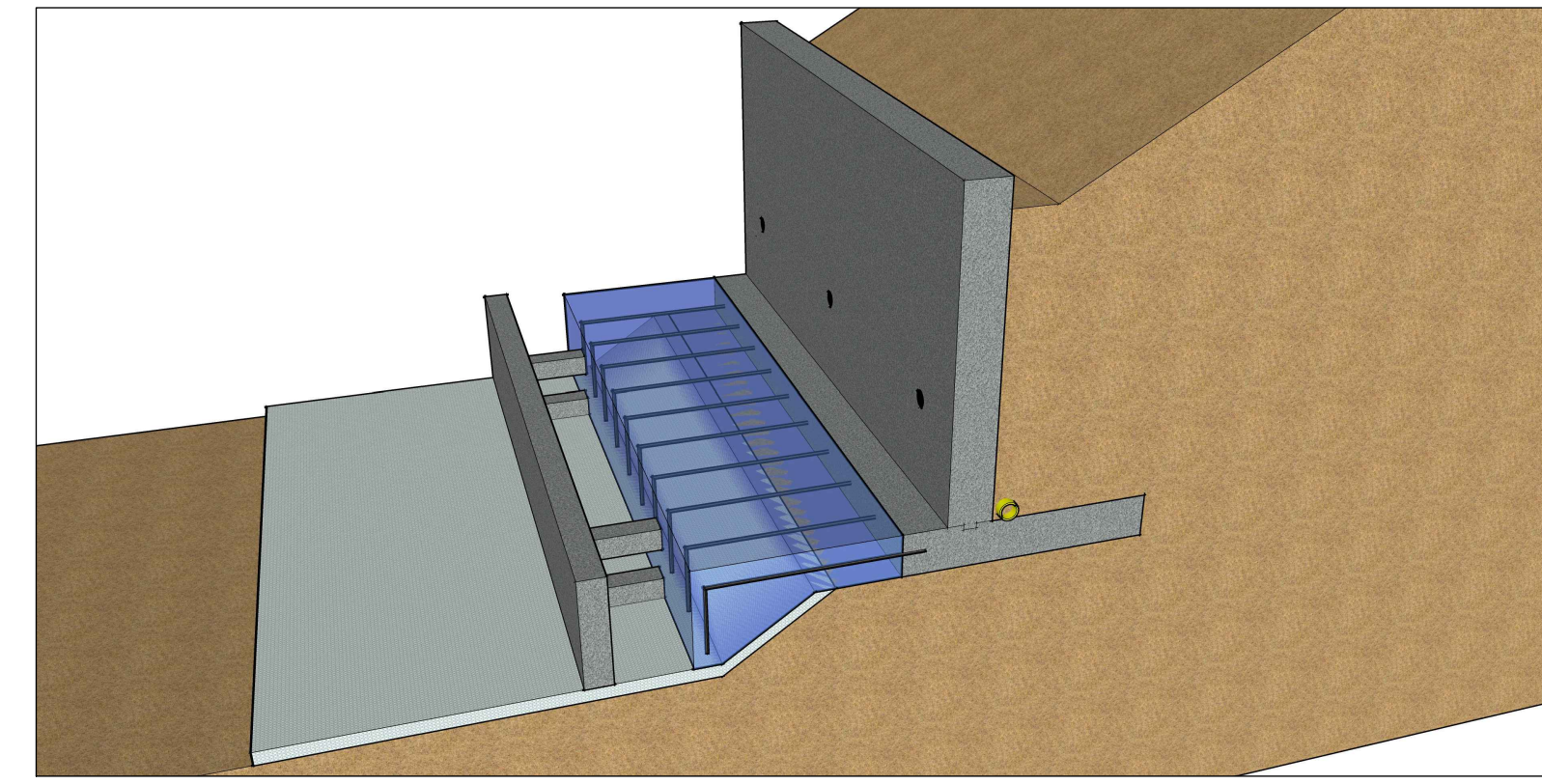
Sequence of works (3d illustrations)



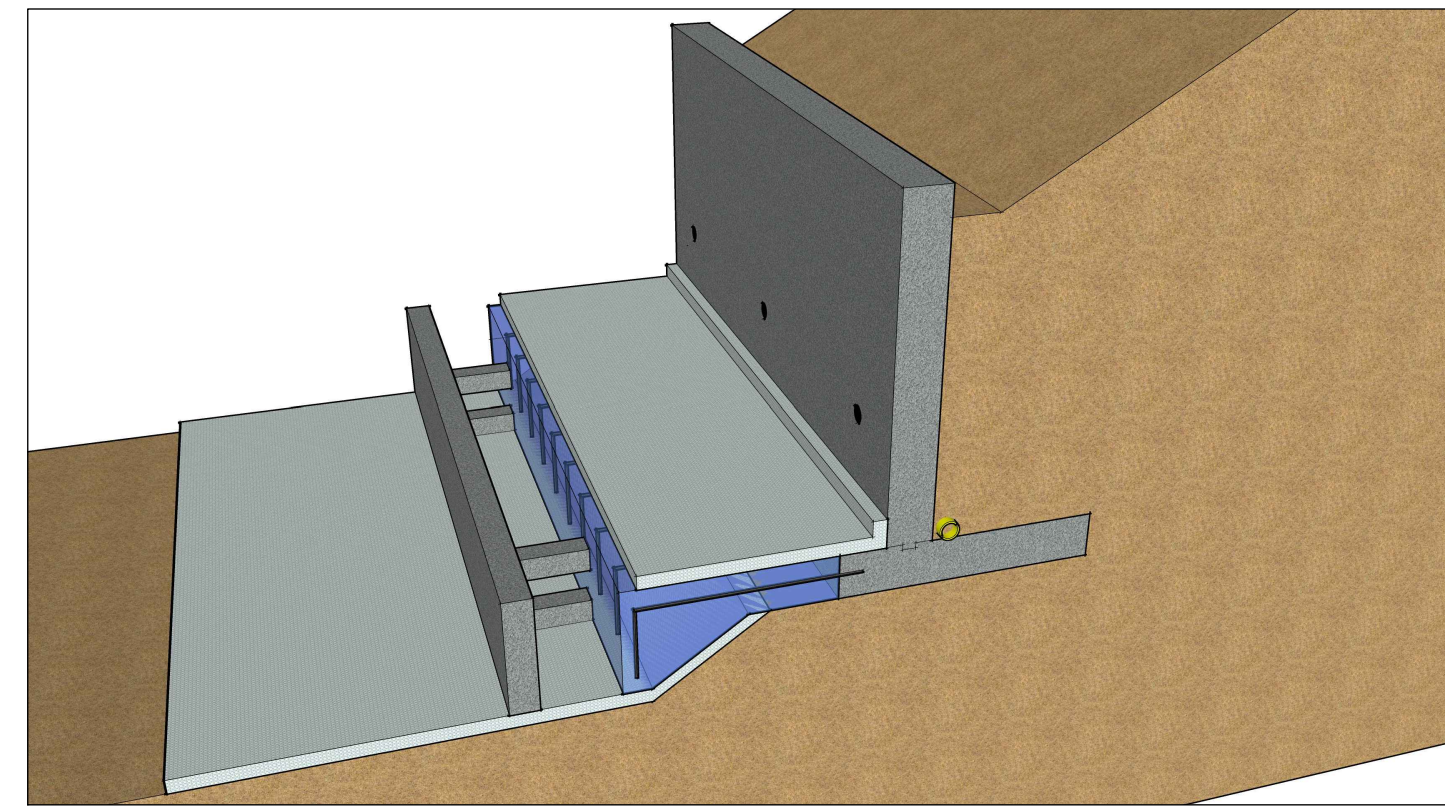
Step (1): Existing condition



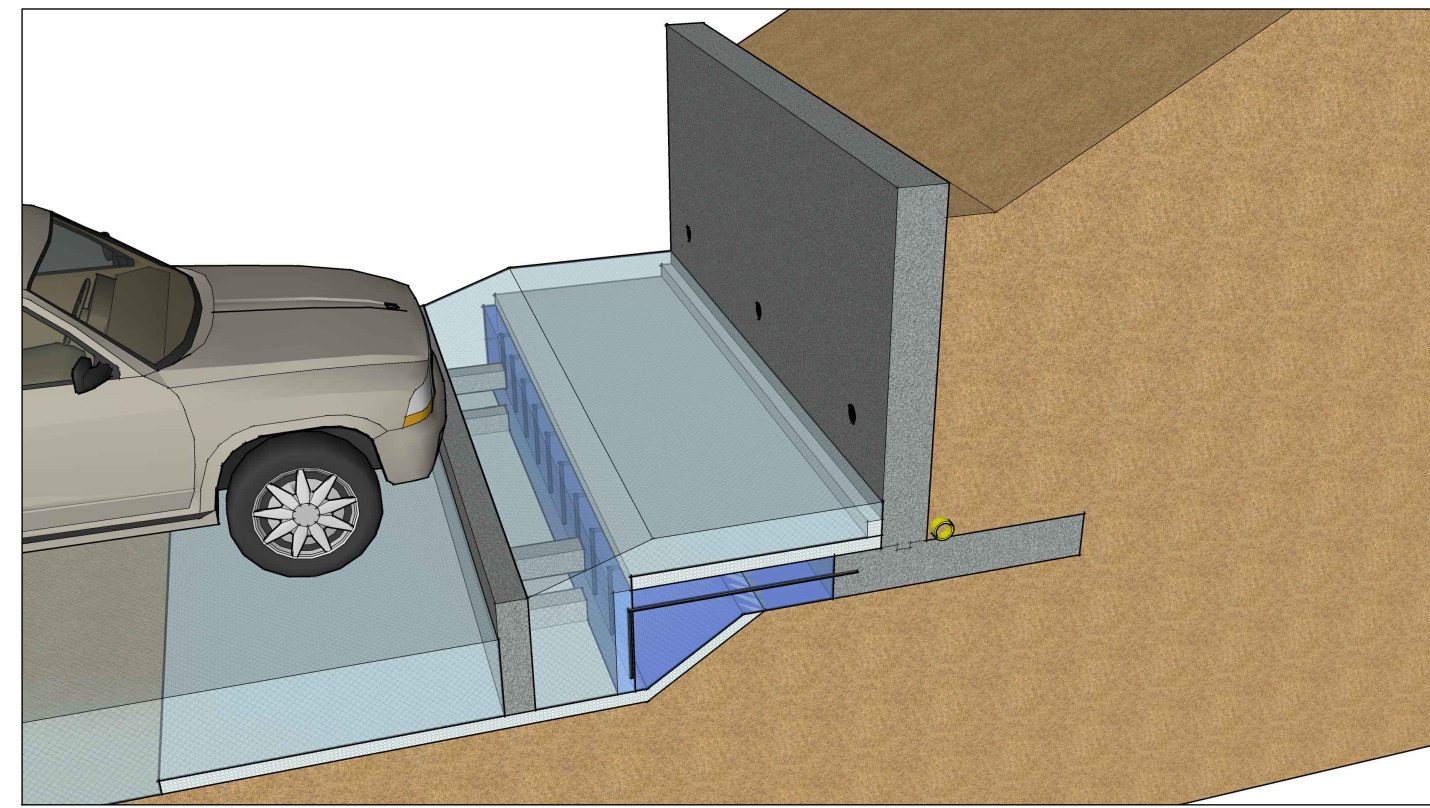
Step (2): Add rigid insulation + Extend the footing + concrete key



Step (3): Add curb

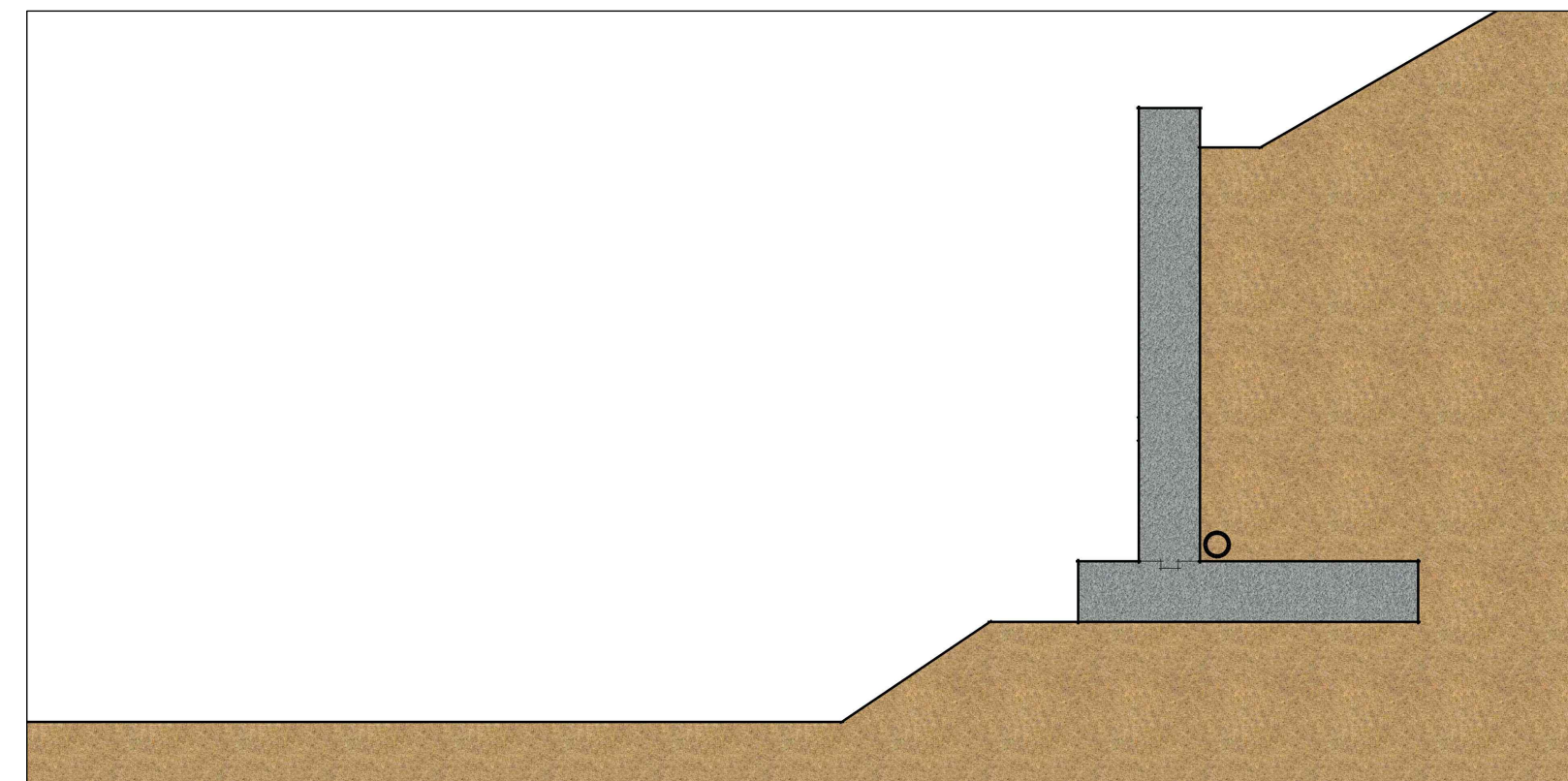


Step (4): Install the rest of the rigid insulation

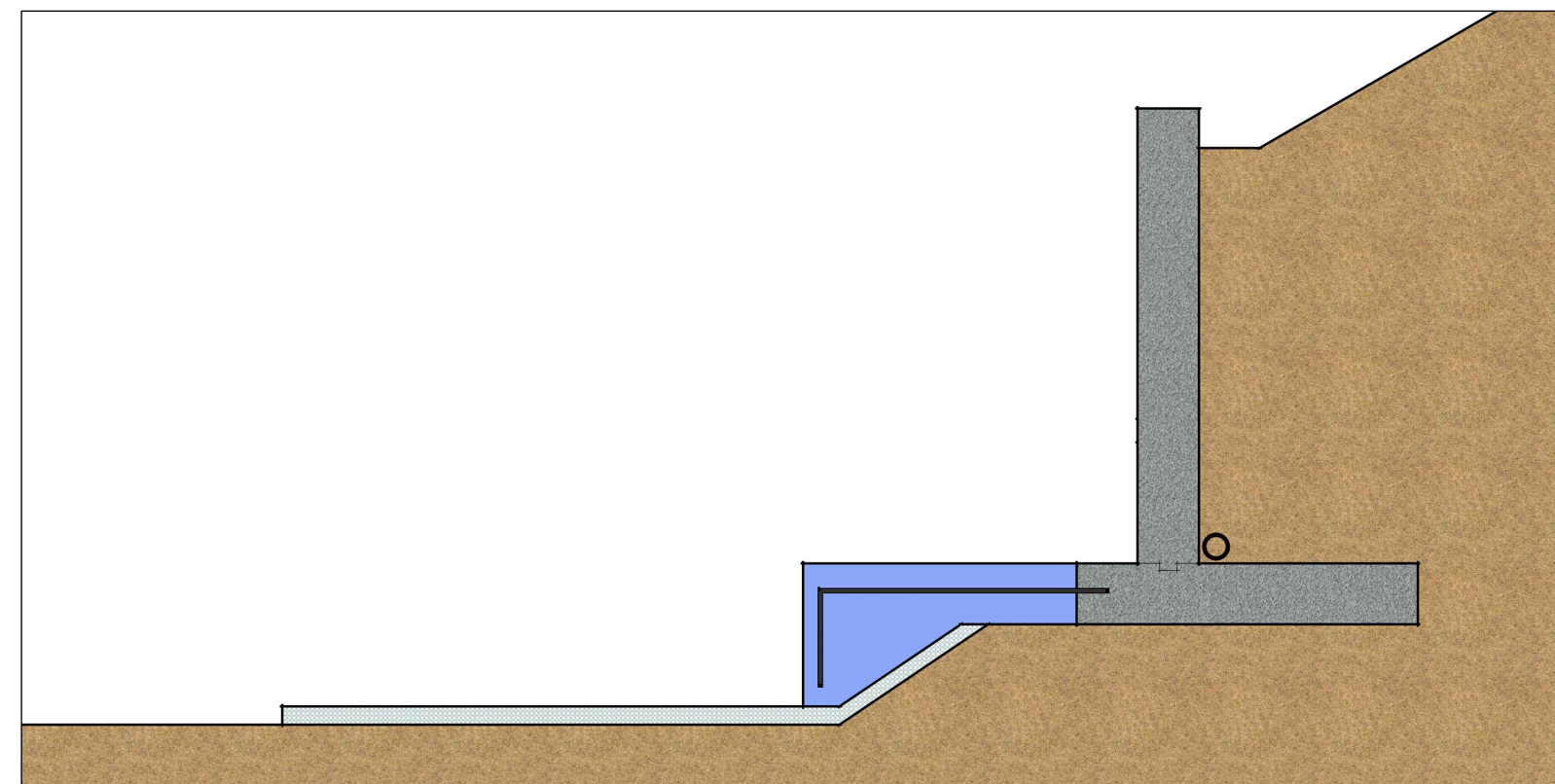


Step (5): Backfill and grading

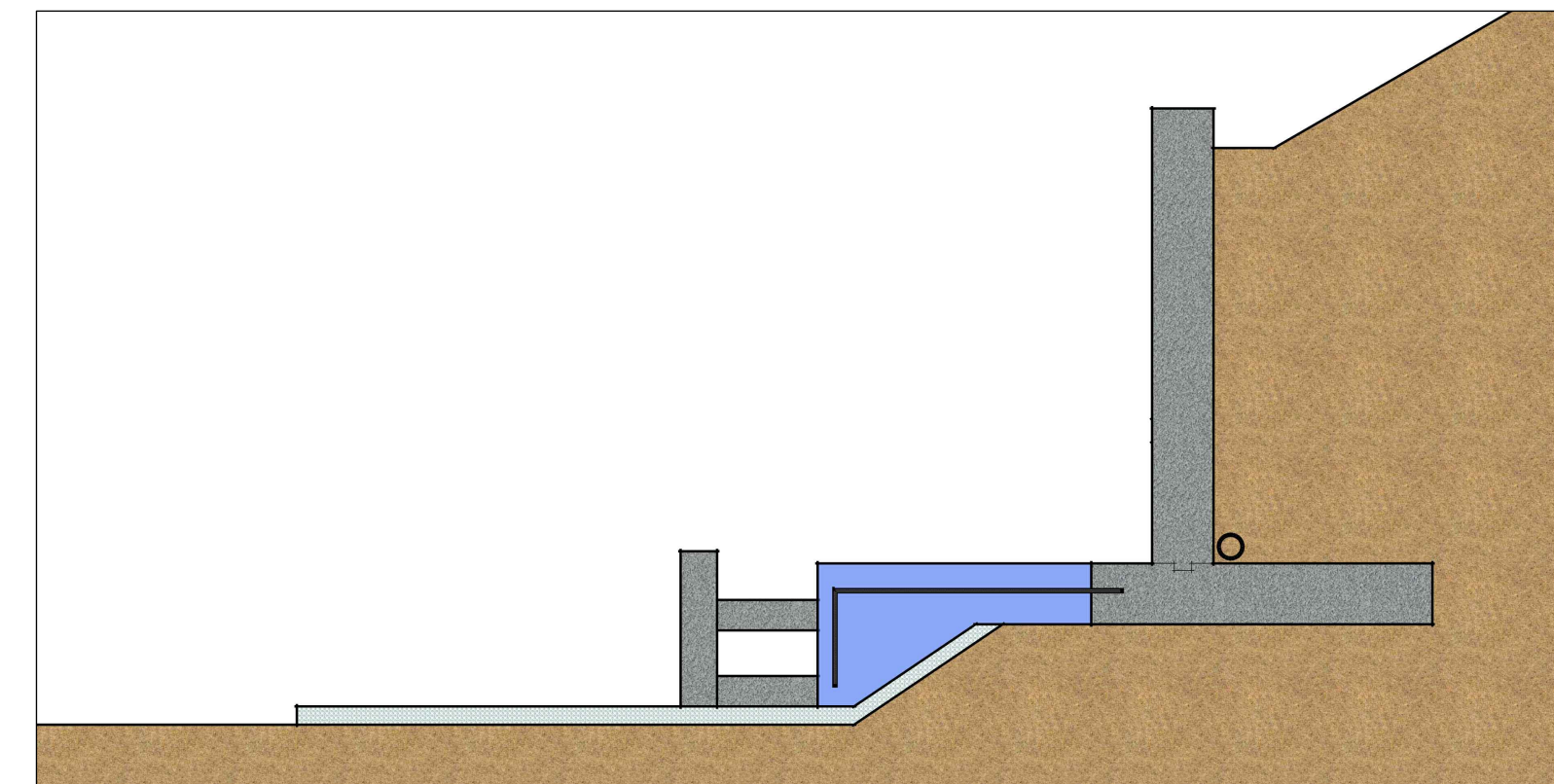
Sequence of works (Cross Section)



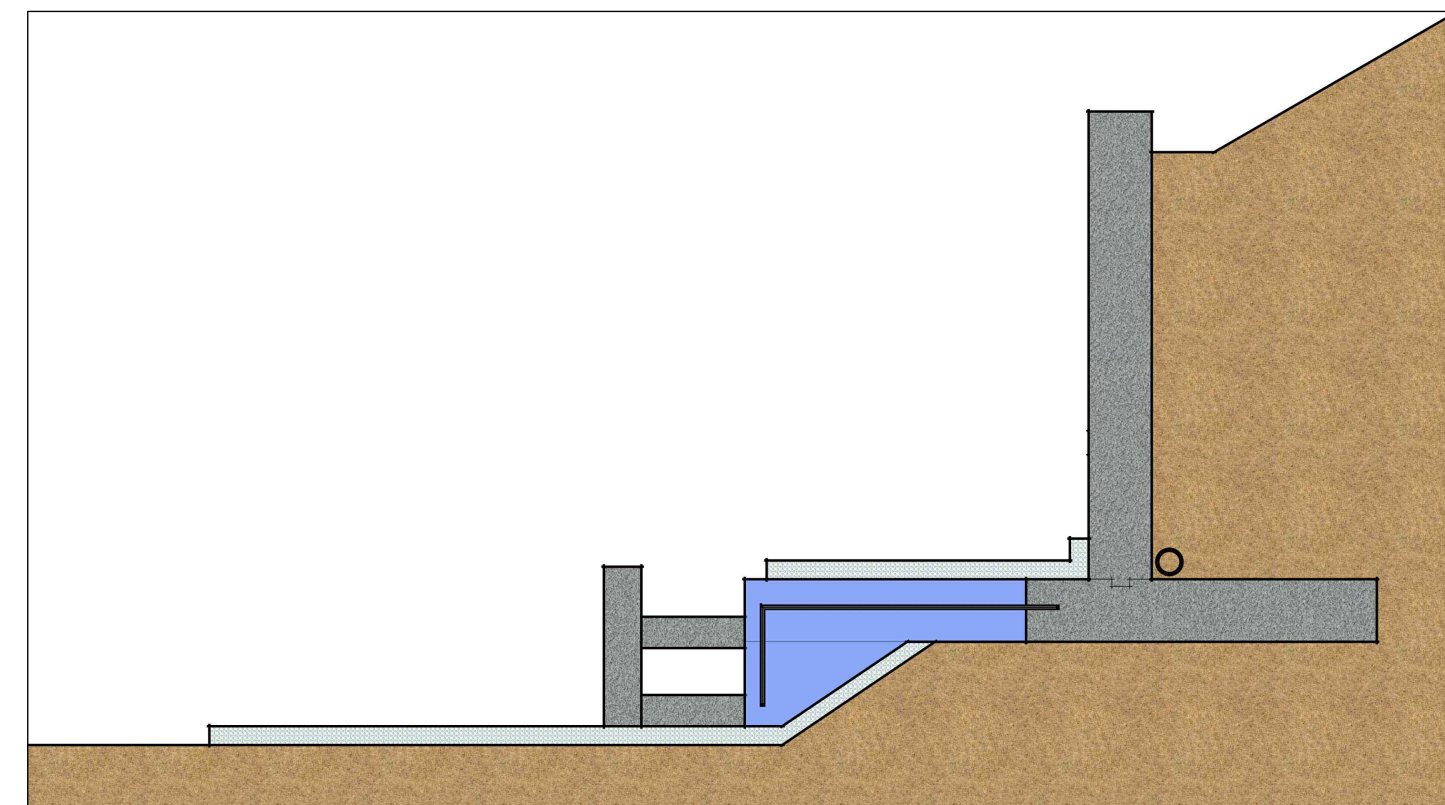
Step (1): Existing condition



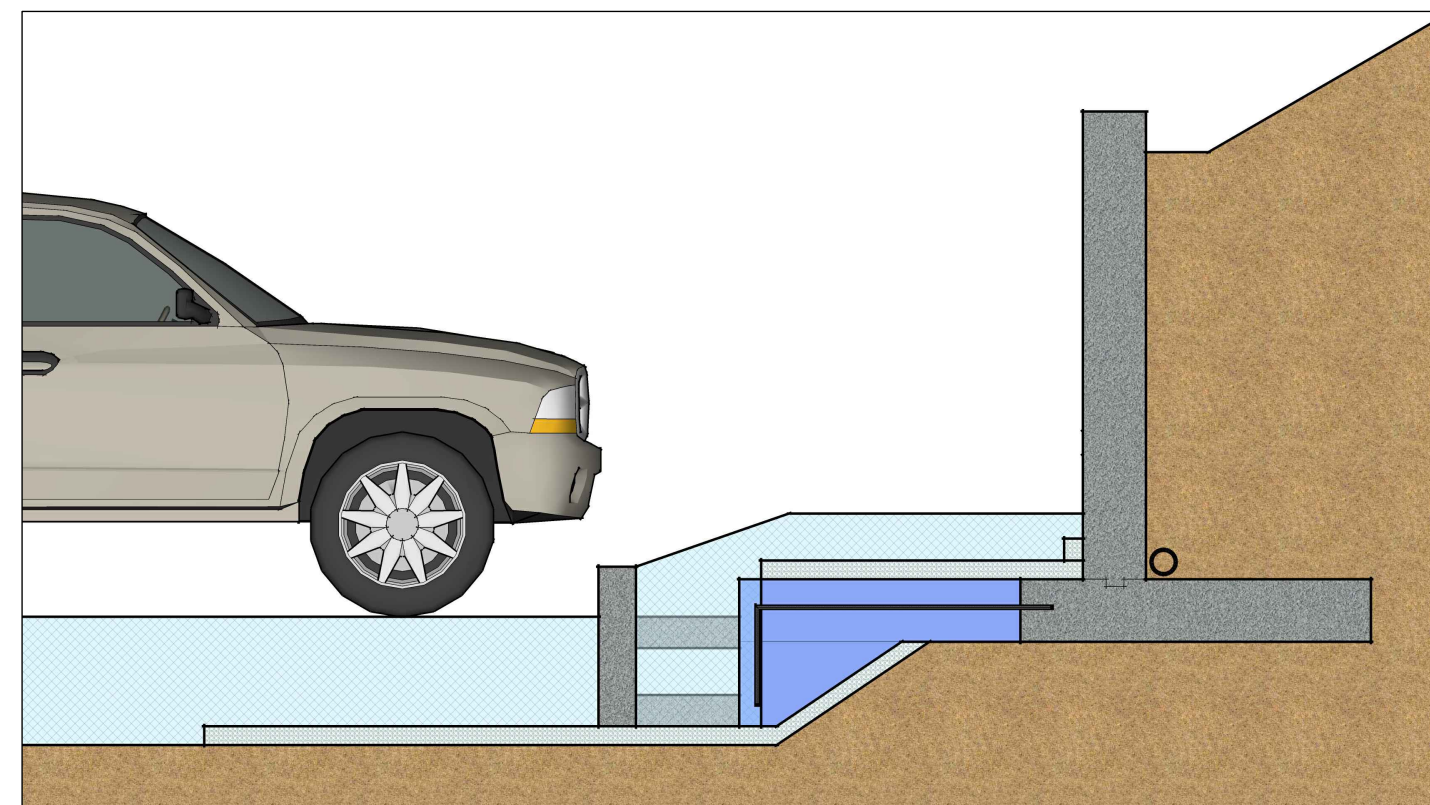
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Step (4): Install the rest of the rigid insulation



Step (5): Backfill and grading

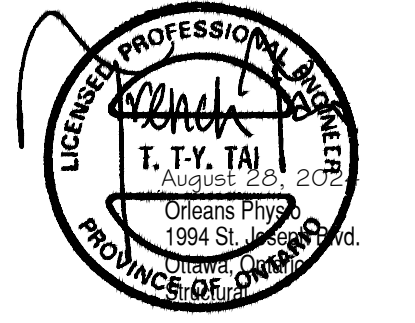
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APPROVED
 By seignynjo at 11:56 am, Oct 23, 2024

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 (South Wall)**

DRAWN TRENCH TAI	OUR REF. DRAWINGS 1994StJosephRetWallSec1.dwg 1994StJosephRetWallSec2.dwg 1994StJosephRetWallSec3.dwg 1994StJosephRetWallSec4.dwg	DRAWING NO. S10 (of 11)
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