SKETCHUP TUTORIAL

PART 2: ADVANCED TOOLS + SITE MODELLING
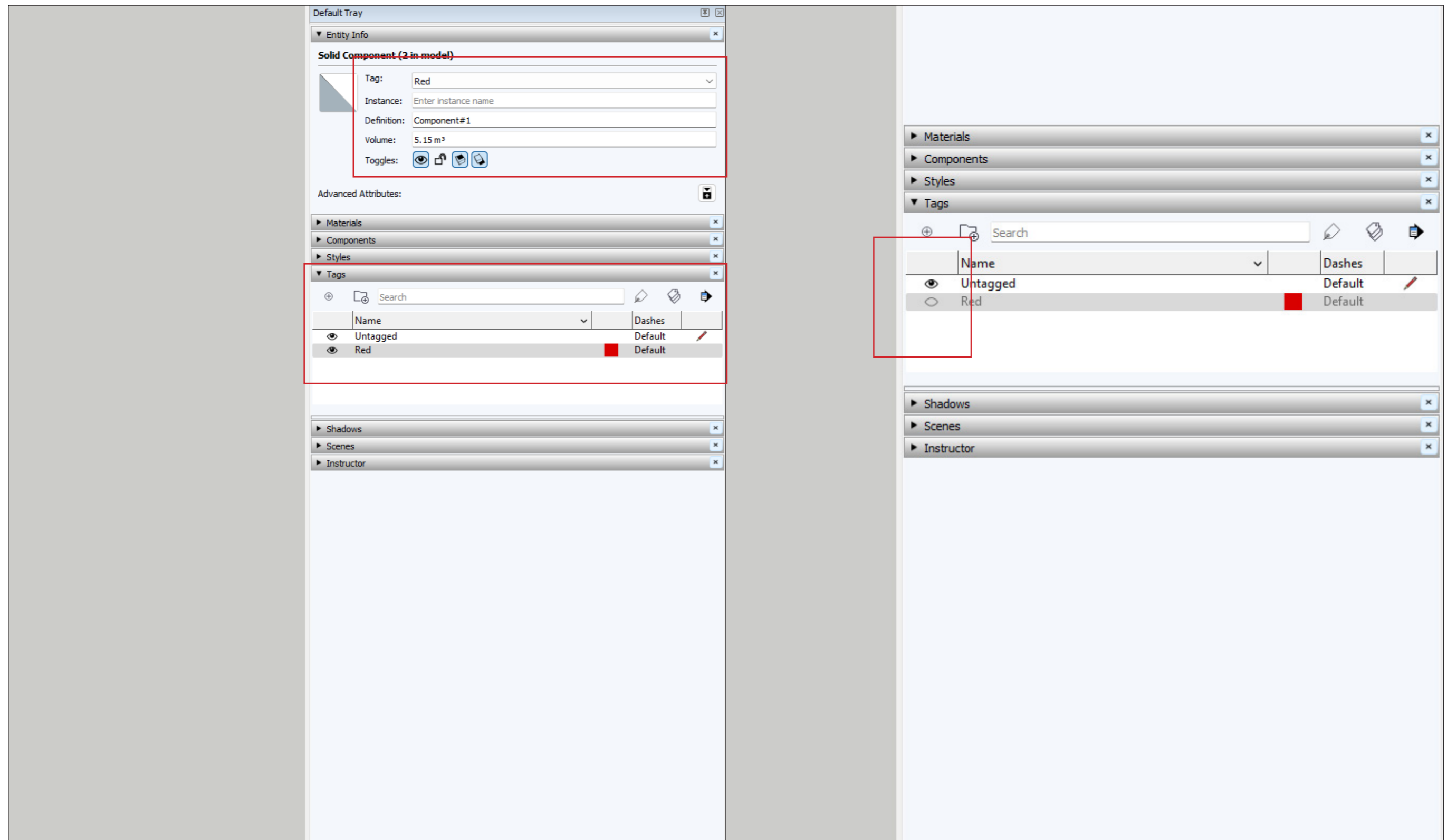
SKETCHUP TUTORIAL

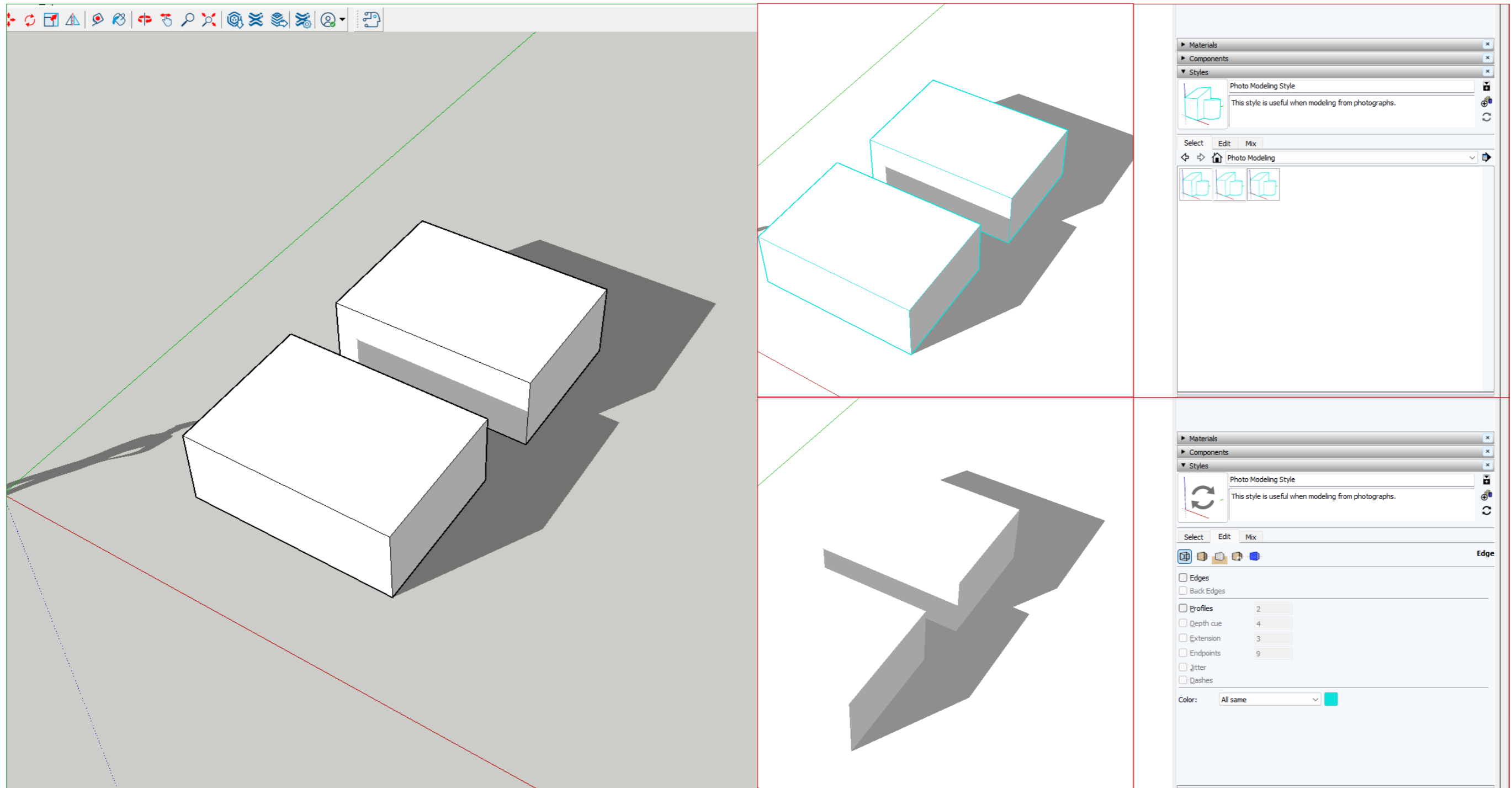**ADVANCED TOOLS (VISUALISATION)**

KARMKATE INSAWAD

TAGS

TAGS > ALLOW YOU TO ASSIGN CERTAIN OBJECTS TO LAYER. WORKS SIMILAR TO RHINO AND PHOTOSHOP LAYER SYSTEM. YOU CAN HIDE AND SHOW CERTAIN ONJECTS WITHIN YOUR OWN ASSIGNED TAG.

SHADOW AND STYLES

SHADOWS > USEFUL FOR SUN STUDIES AND VISUALISATION. CAN BE GEO-LOCATED.

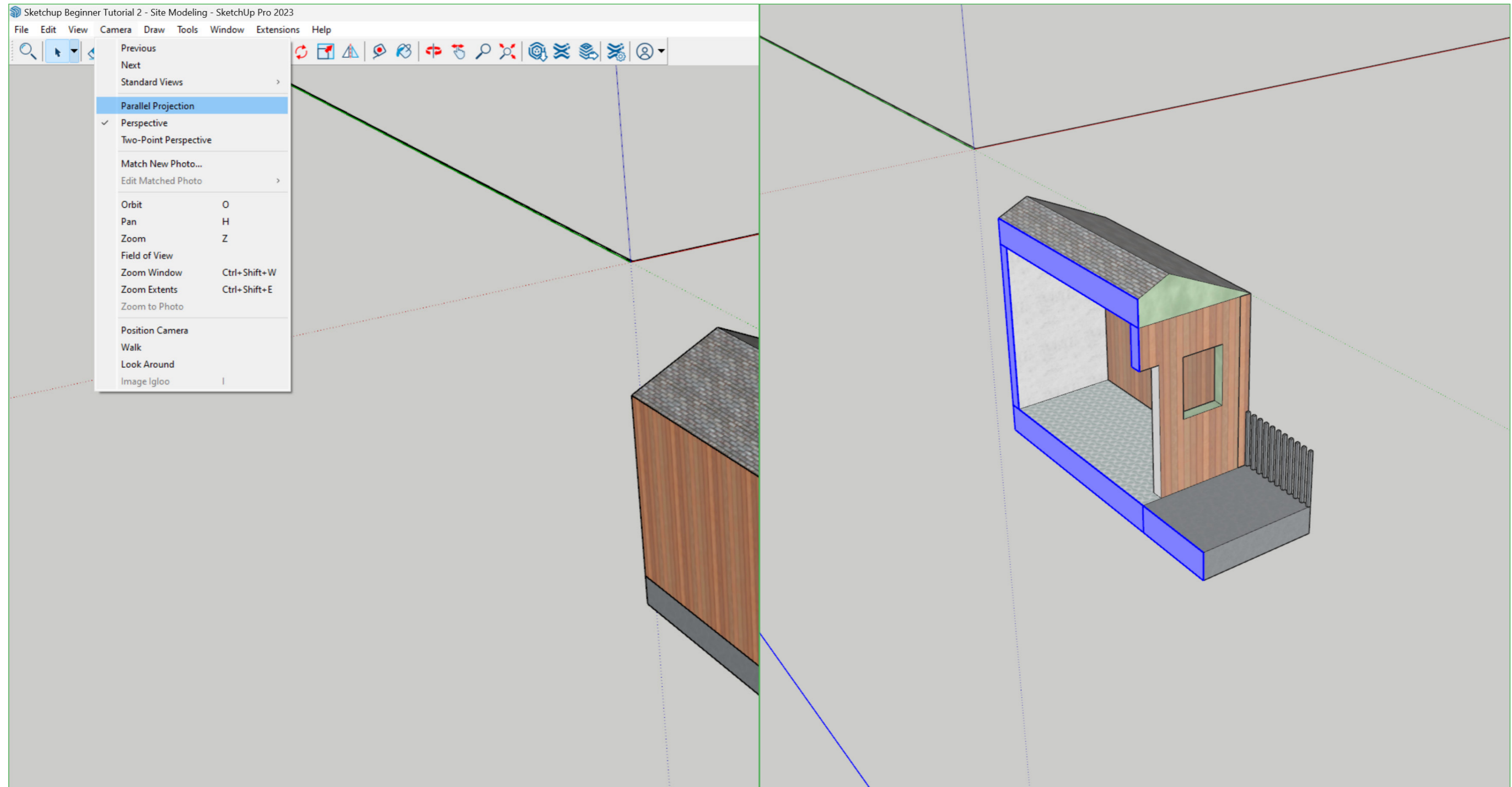**STYLES > CAN BE MODIFIED. ALLOW YOU TO EXPORT PNGS INTO THE STYLE YOU WANT.**

CAMERA

STANDARD VIEWS: TOP / BOTTOM / RIGHT / LEFT / ISO

YOU CAN CHOOSE FROM PARALLEL PROJECTION, PERSPECTIVE, TWO-POINT PERSPECTIVE

SECTION PLANE

TOOLS > SECTION PLANE

CLICK ON OBJECT TO SET THE AXIS OF THE SECTION CUT. USE THE MOVE TOOL (M) TO MOVE THE SECTION PLANE.
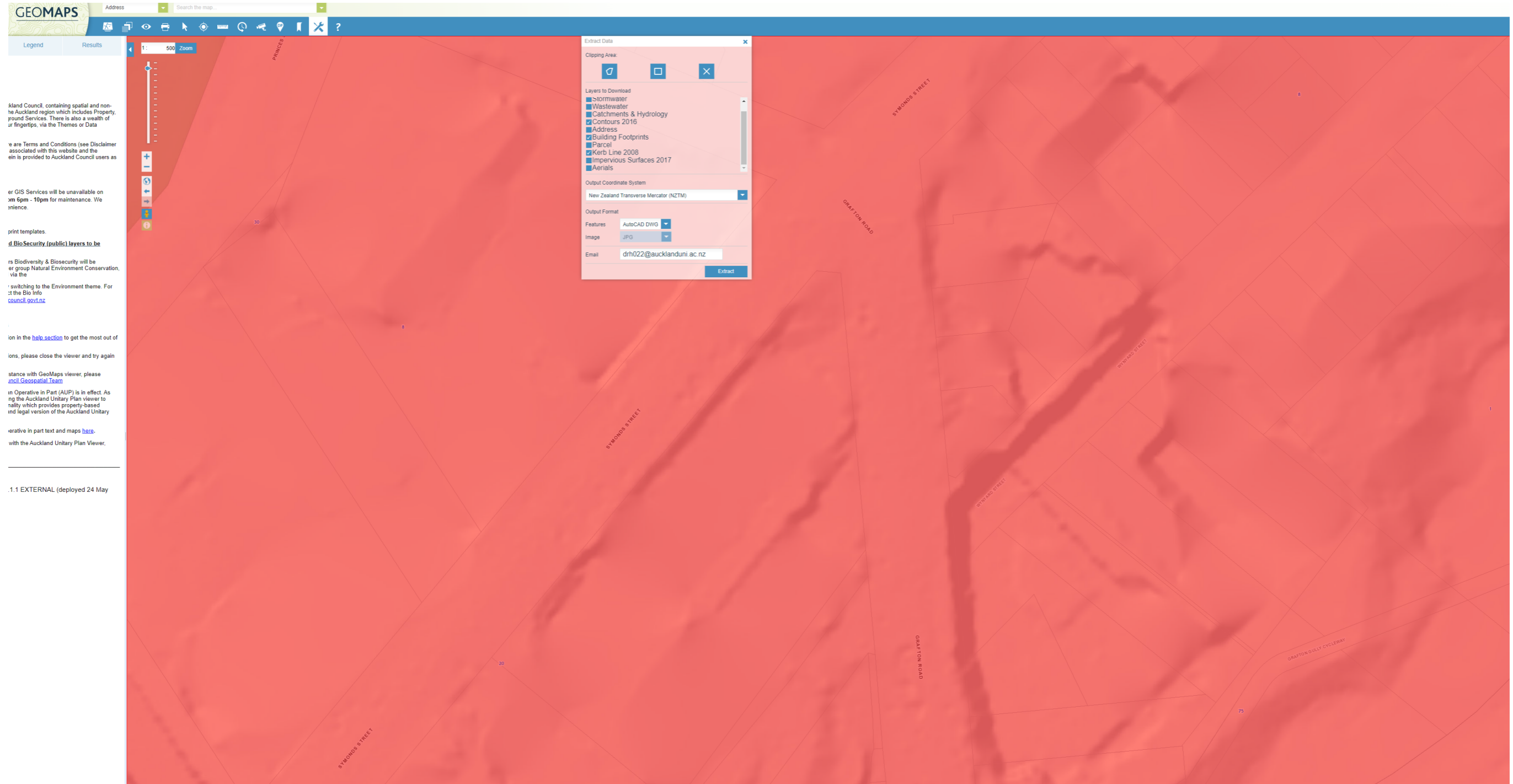
SKETCHUP TUTORIAL

SITE MODELLING FROM CONTOURS

IMPORT GIS DATA (DWG) INTO SITE MODEL

1. EXTRACT DATA DOWNLOADED FROM AUCKLAND COUNCIL (DWG FILE)

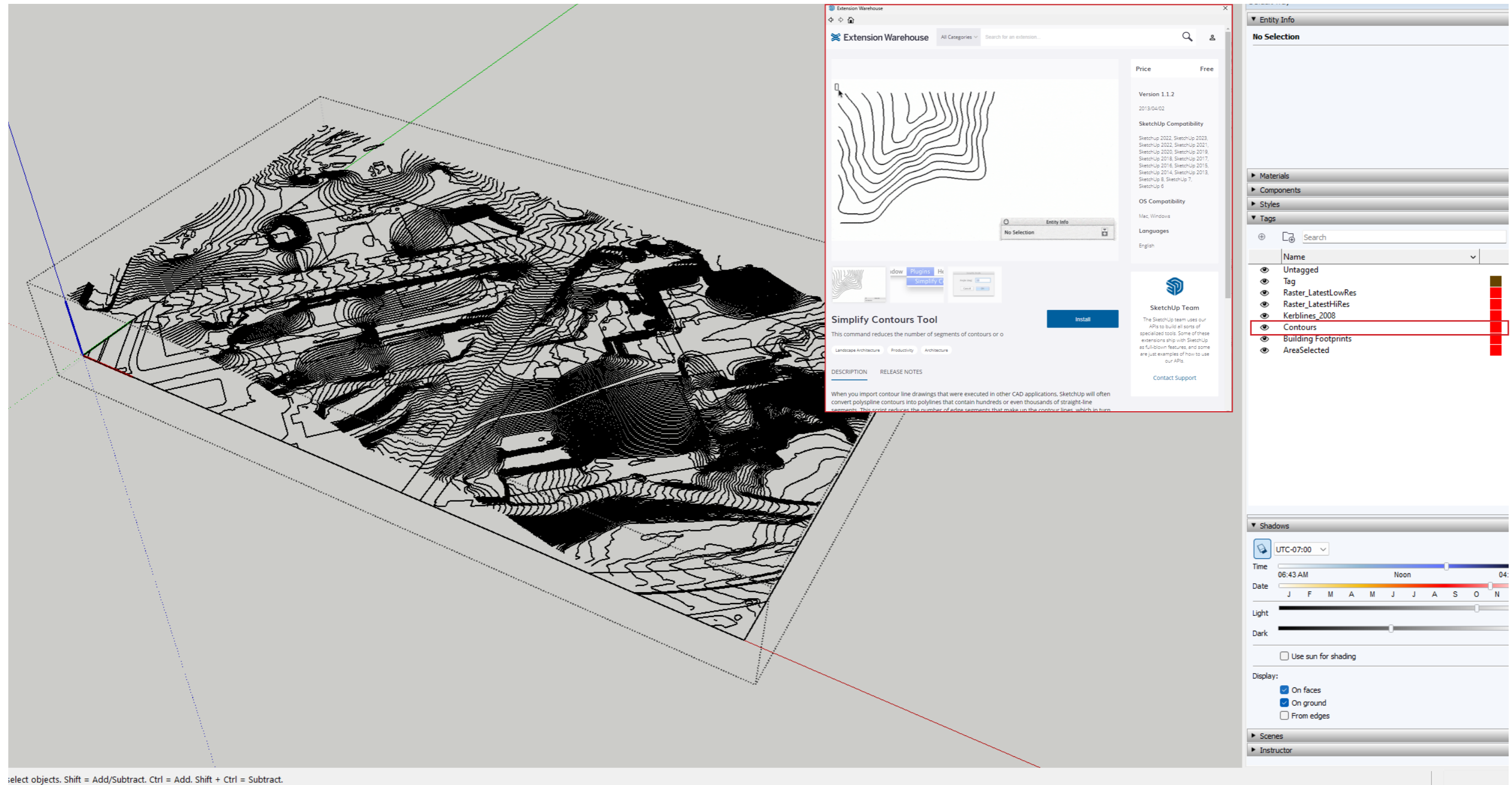## 2. FILE > IMPORT DWG (JPG IF IMAGERY REFERENCE IS NEEDED)

IMPORT GIS DATA (DWG) INTO SITE MODEL

3. SELECT DWG. MOVE OVER TO TAGS AND HIDE ALL OTHER LAYERS APART FROM CONTOUR LINES (CONTOUR TAG)

4. USING SANDBOX TOOL. DRAW > SANDBOX > FROM CONTOURS.

TIP: SIMPLY LINE (PLUGIN FROM EXTENSION WAREHOUSE) IS RECOMMENDED WHEN MAKING A SITE MODEL TO HELP IMPROVE PERFORMANCE AND ALLOW FOR LARGER SITE MODELS TO BE CREATED.
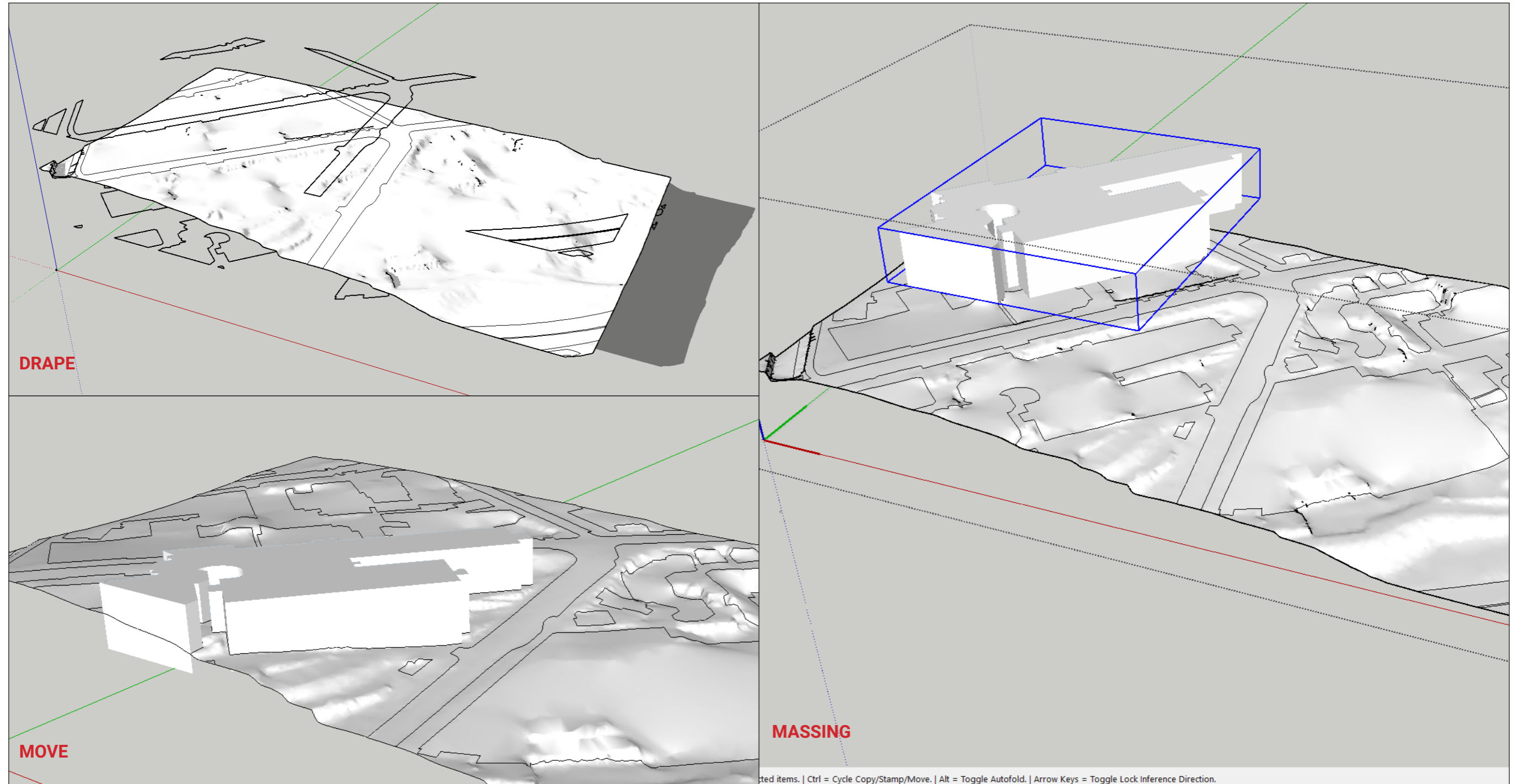
SITE MODELLING (DRAPE, ADDING CONCEPTUAL MASSING)

5. USING DRAPE TOOL (TOOLS > SANDBOX > DRAPE). SELECT KERB LINES / BUILDING FOOT PRINTS > SELECT CONTOUR. THE OUTLINES WILL BE ADDED TO THE CONTOUR MODEL.

6. USING BUILDING FOOTPRINT. DRAW OVER EXISTING LINE TO GET SHAPES. EXTRUDE AND PLACE INTO SITE WITH MOVE TOOL. ROTATE IF NEEDED.

TIP: YOU CAN MAKE YOUR OWN MASSING THEN PLACE IT INTO THE CONTOUR MODEL.

DRAPE

MASSING

MOVE

...ted items. | Ctrl = Cycle Copy/Stamp/Move. | Alt = Toggle Autofold. | Arrow Keys = Toggle Lock Inference Direction.

EXPORT SETTINGS

> EXPORT AS PDF. ALLOWS YOU TO RETAIN VECTOR LINE WORK > USEFUL FOR ADOBE ILLUSTRATOR.

> EXPORT AS PNG. BEST SUITED FOR RAW EXPORTING OR PHOTOSHOP LAYERING (SHADOWS)

> EXPORT AS DWG. BEST SUITED FOR REVIT AND RHINO INTERGRATION.

> EXPORT TO SKETCHUP LAYOUT. USEFUL FOR CREATING SCALED DRAWINGS ACCORDING TO PAPER SIZE (EG. A3)

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