

## GRADING & DRAINAGE LEGEND

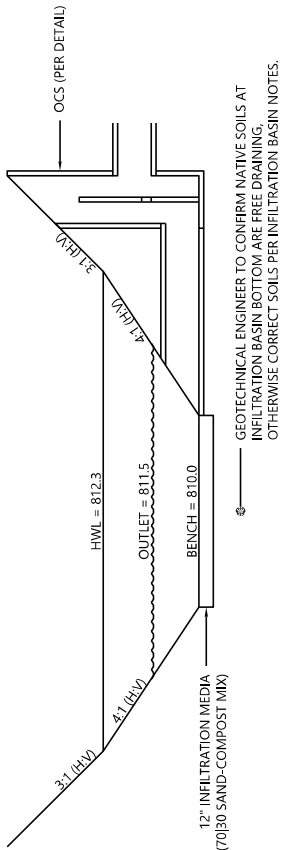
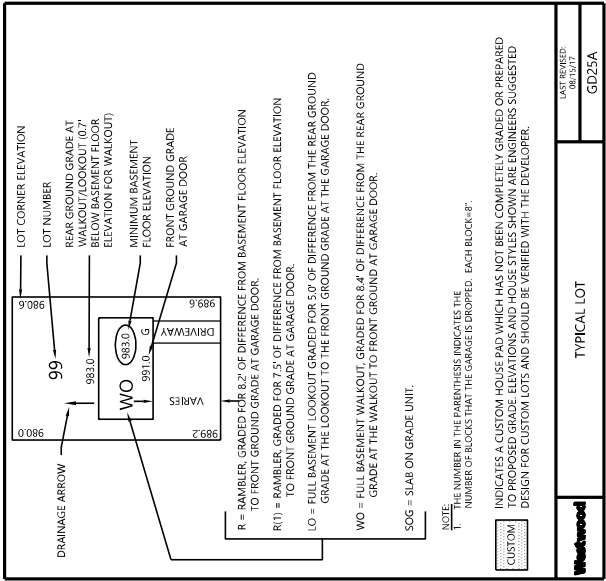
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## GRADING & DRAINAGE NOTES

1. ALL CONTOURS AND SPOT ELEVATIONS ARE SHOWN TO FINISHED SURFACE/GUTTER GRADES UNLESS OTHERWISE NOTED.
2. REFER TO THE SITE PLAN/RECORD PLAT FOR MOST CURRENT HORIZONTAL SITE DIMENSIONS AND LAYOUT.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITIES AND TOPOGRAPHICAL FEATURES WITH THE OWNERS AND FIELD-VERIFY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
4. ALL CONSTRUCTION SHALL CONFORM TO LOCAL RULES.
5. POSITIVE DRAINAGE FROM THE SITE MUST BE PROVIDED AT ALL TIMES.

## INFILTRATION BASIN NOTES

1. NO CONSTRUCTION EQUIPMENT SHALL TRAVEL WITHIN THE INFILTRATION BASIN AREA. USE EXCAVATOR WITH TOOTHED BUCKET FOR INFILTRATION BASIN EXCAVATION TO AVOID COMPACTING OR SMEARING OF SOILS.
2. FINAL EXCAVATION OF THE INFILTRATION BASIN AND INSTALLATION/INCORPORATION OF SOIL-MEDIA MIX MUST OCCUR IN DRY SOIL CONDITIONS TO PREVENT SMEARING AND COMPACTION. DO NOT WORK IN INFILTRATION BASIN IF SOIL CONDITIONS ARE WET.
3. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER 48-HOURS PRIOR TO THE INFILTRATION BASIN OVER-EXCAVATION TO INSPECT PRIOR TO SOIL MEDIA PLACEMENT, AND TO VERIFY THAT EXPECTED SUB-SOIL INFILTRATION RATES WILL BE ACHIEVED. CONTRACTOR TO PERFORM INFILTRATION TESTING, ONLY AS REQUIRED. OVER-EXCAVATION FOR SOIL CORRECTION SHALL EXTEND TO POORLY GRADED SANDY SOILS AND BE BACKFILLED WITH NATIVE FREE DRAINING SANDY SOIL AS DIRECTED BY GEOTECHNICAL ENGINEER.
4. CARE MUST BE TAKEN TO AVOID CONTAMINATION OF SOIL MEDIA MIX WITH SEDIMENT, IN-SITU OR TOPSOIL DURING AND AFTER INSTALLATION. MATERIALS MUST BE SEGREGATED.
5. AFTER OVER-EXCAVATION, AND PRIOR TO PLACEMENT OF SOIL MEDIA MIX, USE FROST RIPPER TO DEFLY LOOSEN SUB-SOILS TO A MINIMUM DEPTH OF 24"; BEFORE BACK-FILLING WITH SOIL MEDIA MIX. UPON PLACEMENT OF SOIL MEDIA MIX, INCORPORATE/RIP SOIL MEDIA MIX INTO THE LOOSENED UNDERLYING SOILS TO A MINIMUM DEPTH OF 6".
6. USE EXCAVATOR BUCKET TO PLACE SOIL-MEDIA-AMENDMENT – DO NOT USE LOADER WITHIN THE BASIN TO EXCAVATE OR PLACE SOIL-MEDIA-AMENDMENT. LEVELING AND FINAL GRADING WITHIN THE INFILTRATION BASINS MUST BE COMPLETED BY HAND.
7. IMMEDIATELY FOLLOWING BASIN CONSTRUCTION, THE BOTTOM AND SIDE SLOPES OF THE BASIN SHALL BE FULLY STABILIZED. TEMPORARY SILT FENCE SHALL BE INSTALLED AT THE TOP OF THE INFILTRATION BASIN, SIDE-SLOPE AND AS REQUIRED AT THE BOTTOM OF THE SIDE-SLOPE OF THE INFILTRATION BASIN PERIMETER. EROSION CONTROL BLANKET ALONG SIDES AND BOTTOM. TEMPORARY EROSION CONTROL TO REMAIN UNTIL THE DRAINAGE AREA IS STABILIZED WITH FINAL IMPROVEMENTS.
8. INFILTRATION BASINS SHALL NOT BE USED FOR TEMPORARY SEDIMENTATION. REFER TO SWPPP NARRATIVE FOR MORE DETAILS.
9. INFILTRATION BASINS SHALL BE CONSTRUCTED AFTER UPSTREAM HAVE BEEN STABILIZED.



## INFILTRATION BASIN DETAIL

—  — GEOTECHNICAL ENGINEER TO CONFIRM NATIVE SOILS AT INFILTRATION BASIN BOTTOM ARE FREE DRAINING, OTHERWISE CORRECT SOILS PER INFILTRATION BASIN NOTES.

 $1'' = 40'$ 

## CONSTRUCTION PLANS

Call 48 Hours before digging:  
**811 or call811.com**  
Common Ground Alliance