

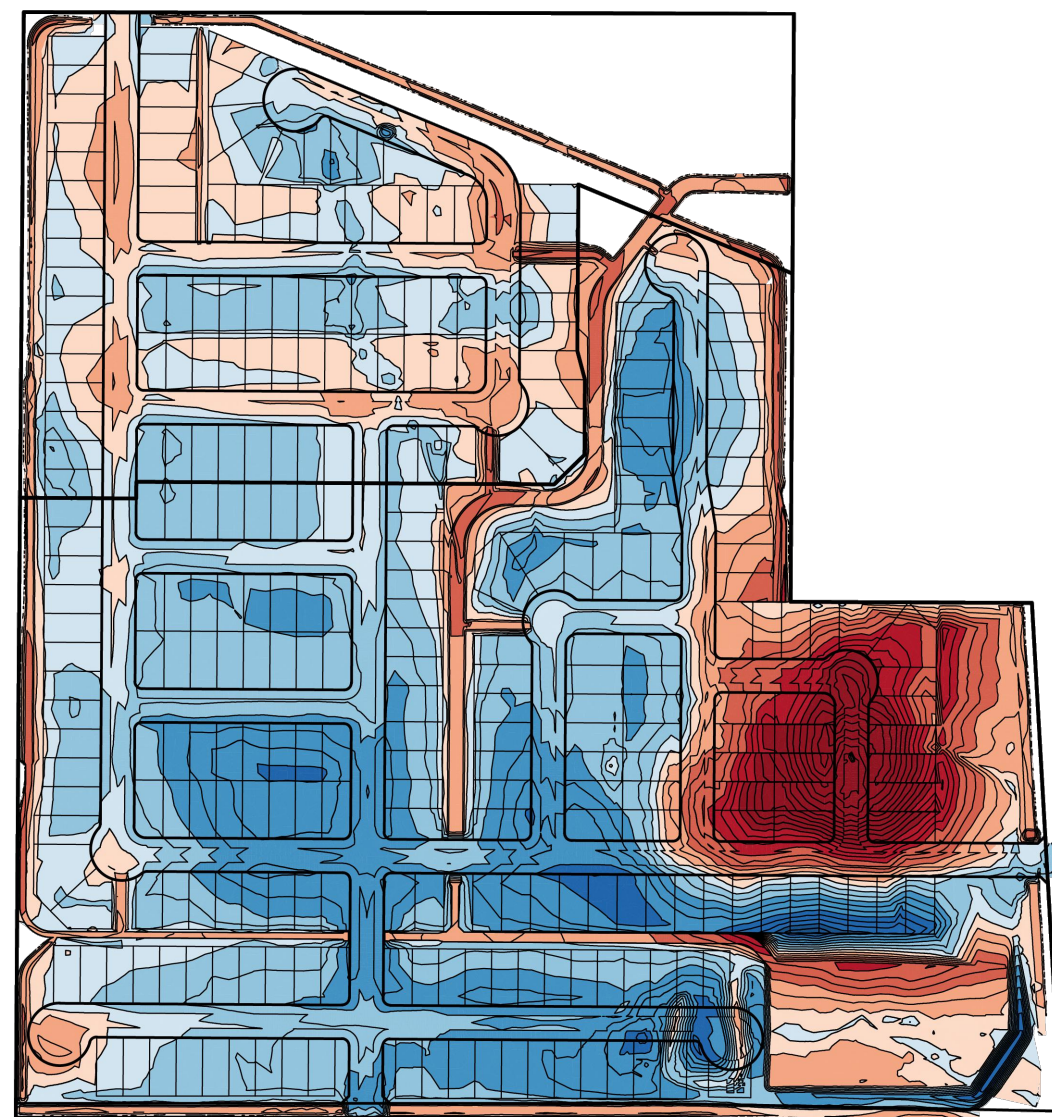
PROPOSED 5' CONTOUR

- A. THE LAND TO BE FILLED (PREPARED SUBGRADE) SHALL BE PREPARED AND TESTED AT A FREQUENCY AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
- B. THE FIRST LIFT OF COMPACTED FILL (GENERALLY 6 TO 12-IN.) SHALL BE TESTED AS DETERMINED BY THE GEOTECHNICAL ENGINEER. ANY AREAS SUPPORTING THE PROPOSED STRUCTURES REQUIRING FILL SHALL BE TESTED FOR DENSITY COMPLIANCE.
- C. FILLS SHALL BE TESTED A MAXIMUM OF EACH EIGHTEEN INCHES (18") OF FILL.
- D. TEST RESULTS WILL BE PROVIDED BY THE FIELD TECHNICIAN TO THE CONTRACTOR WHEN POSSIBLE; HOWEVER, ALL TEST RESULTS ARE TO BE REVIEWED BY THE GEOTECHNICAL ENGINEER FOR COMPLIANCE. THE ENGINEER WILL NOTIFY THE CONTRACTOR OF ALL THE TEST RESULTS.

VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88), GEOID18

1. STREET PAVEMENT CONTOURS SHOWN. REFERENCE GEOTECH REPORT FOR PAVEMENT SECTIONS.
2. HOUSE PADS SHALL HAVE A MINIMUM 20" FRONTAGE, 20" REAR AND 5' SIDE SETBACK UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL REFER TO THE SUBDIVISION PLAT TO VERIFY ALL SETBACKS PRIOR TO CONSTRUCTION.
4. MINIMUM SLAB EXPOSURE IS 1.0'.
5. TYPICAL PAD SIZES IS 35' X 80' UNLESS NOTED OTHERWISE ON PLAN.
6. MAXIMUM REAR SETBACK SLOPE = 15%
7. HOUSE PAD SWALES TO BE CONSTRUCTED WITH HOME BUILDING.
8. CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS MAINTAINED AWAY FROM ALL HOUSE PADS. NO WATER PONDING SHALL BE ALLOWED.

N.T.S.



N.T.S.

Cut Fill Table			
Unit	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
OVERALL	211,396	211,396	0

RETAINING WALL QUANTITIES:
+/- 2,493 LINEAR FEET
+/- 8,750 FACE SQ. FT. (972.22 SQ. YD.)



- OVERALL UNIT BOUNDARY ————
- PROPOSED LOT LINE ————
- PROPOSED RIGHT OF WAY ————
- EXISTING 2' CONTOUR ———— 498 ————
- EXISTING 10' CONTOUR ———— 500 ————
- PROPOSED 1' CONTOUR ———— (499) ————
- PROPOSED 5' CONTOUR ———— (500) ————

GENERAL SPECIFICATIONS FOR SITE PREPARATION

- GENERAL DESCRIPTION
- THIS ITEM SHALL CONSIST OF ALL CLEARING AND GRUBBING, DEMOLITION, PREPARATION OF LAND TO BE FILLED, FILLING OF THE LAND, SPREADING, COMPACTION TESTING AND INSPECTION OF THE FILL, AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING OF THE CUT AND FILL AREAS TO CONFORM WITH THE LINES, GRADES AND SLOPES AS SHOWN ON THE APPROVED PLANS.
2. **CLEARING THE AREA TO BE FILLED**
ALL LOGS, TREES, BRUSH AND RUBBISH SHALL BE REMOVED FROM THE SITE.
3. **SCARPING THE AREA TO BE FILLED**
ALL ORGANIC MATTER SHALL BE REMOVED FROM THE SURFACE UPON WHICH THE FILL IS TO BE PLACED, AND THE SURFACE SHALL THEN BE DISKED OR SCARPED TO A MINIMUM DEPTH OF SIX INCHES (6"), ALL SURFACE RUTS OR OTHER UNEVEN FEATURES WILL BE LEVELLED PRIOR TO FIELD DENSITY TESTING.
4. **COMPACTING THE AREA TO BE FILLED**
FOLLOWING THE CLEARING AND SCARPING OR SCARPING OF THE FILL AREA, IT SHALL BE BROADCAST UNIFORM TO A MINIMUM DEPTH OF THREE (3) INCHES. THE AREA SHALL BE BROUGHT TO THE ADEQUATE MOISTURE CONTENT AND COMPACTED (TYPICALLY TO NOT LESS THAN NINETY PERCENT (90%) OF MAXIMUM DRY WEIGHT) IN AN ORDER AND MANNER AS SPECIFIED IN ASTM D 1557. COMPACTION PROCEDURE, OR 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH THE CURRENT TDD - TEX-113 - E OR COMPACTION PROCEDURE.
5. **FILL MATERIALS**
THE MATERIALS USED SHALL BE FREE FROM ORGANIC MATTER AND OTHER DELTERIOUS SUBSTANCES, SUCH AS TREES, BRUSH AND RUBBISH.
6. **DEPTH & MIXING OF FILL LAYERS**
THE SELECTED FILL MATERIAL SHALL BE PLACED IN LEVEL, UNIFORM LAYERS WHICH, WHEN COMPACTED, SHALL HAVE A DENSITY CONFORMING TO THAT SPECIFIED ABOVE. EACH LAYER SHALL BE THOROUGHLY MIXED DURING THE SPREADING TO ENSURE UNIFORMITY OF MATERIAL IN EACH LAYER. COMPACTED LAYER THICKNESS MAY VARY DEPENDING ON THE COMPACTION EQUIPMENT OF DEMONSTRATED CAPABILITY. THE MAXIMUM LOOSE DEPTH FOR OPTIMUM FILL SHALL NOT BE GREATER THAN NINETEEN (19") FOR TESTING REQUIREMENTS OF FILL MATERIAL. SEE DENSITY TESTING.
7. **ROCK**
WHEN FILL MATERIAL INCLUDES ROCK, THE MAXIMUM ROCK SIZE SHALL BE AS APPROVED BY THE GEOTECHNICAL ENGINEER. NO LARGE ROCKS SHALL BE ALLOWED TO NEST AND ALL VOIDS MUST BE FILLED WITH SMALL STONES OR SMALLER MATERIALS. ROCKS SHALL BE PLACED IN SUCH A MANNER THAT WHEN PLACED IN EIGHTEEN INCHES (18") OF THE FINISHED GRADE.
8. **COMPACTION OF FILL LAYER**
COMPACTION EQUIPMENT SHALL BE CAPABLE OF COMPACTING THE FILL TO THE SPECIFIED DENSITY. COMPACTION SHALL BE ACCOMPLISHED WHILE THE FILL MATERIAL IS AT OR NEAR THE APPROPRIATE MOISTURE CONTENT. COMPACTION OF EACH LAYER SHALL BE CONTINUOUS OVER THE ENTIRE STRUCTURE AREA (BENEATH PROPOSED STRUCTURES).
9. **COMPACTION OF SLOPES**
THE COMPACTION OF SLOPES SHALL BE COMPLETED. COMPACTION OPERATIONS SHALL BE CONTINUED UNTIL THE SLOPE FACES ARE STABLE BUT NOT TOO DENSE FOR PLANTING ON THE SLOPES. COMPACTION OF THE SLOPE FACES MAY BE DONE PROGRESSIVELY IN INCREMENTS OF THREE TO FIVE FEET (3 TO 5) IN FILL HEIGHT AS THE FILL PROGRESSES OR AFTER THE FILL HAS BEEN BROUGHT TO ITS TOTAL HEIGHT.
10. **MOISTURE CONTENT**
THE FILL MATERIAL SHALL BE DISKED AT THE APPROPRIATE MOISTURE CONTENT SPECIFIED FOR THE SOILS BEING USED. APPROPRIATE MOISTURE CONTENT IS DEFINED, TYPICALLY, AS OPTIMUM MOISTURE CONTENT; HOWEVER, FOR EXPANSIVE SOILS IT MAY BE GREATER THAN OPTIMUM MOISTURE CONTENT, AND OTHER MOISTURE CONTENTS MAY BE NECESSARY TO PRODUCE THE DESIRED RESULTS WITH CERTAIN SOILS.
11. **DENSITY TESTING**
FIELD TESTS SHALL BE PERFORMED ON LAYERS OF FILL WHEN THE FILL IS BEING PLACED AS DIRECTED BY THE GEOTECHNICAL ENGINEER. THE MINIMUM FILL HEIGHT FOR DENSITY TESTING SHALL BE EIGHTEEN INCHES (18"). ALL TESTING SHALL BE REQUESTED BY THE CONTRACTOR TO MEET THE CONTRACTOR'S CONSTRUCTION SCHEDULE. NOTIFICATION BY THE CONTRACTOR TO CONDUCT TESTS SHALL BE AT LEAST A DAY BEFORE. THE CONTRACTOR SHALL INDICATE THE LOCATION OF EACH LOT AND BLOCK, THE LIFT OR HEIGHT OF FILL AND APPROXIMATE DESIRED TIME OF TESTING. WHEN THESE TESTS INDICATE THAT THE DENSITY OF ANY LAYER OF FILL OR PORTION THEREOF IS BELOW THE REQUIRED DENSITY, THE PARTICULAR PORTION SHALL BE REWORKED. THE CONTRACTOR SHALL BE AT THE EXPENSE OF THE CONTRACTOR UNLESS THE CONTRACTOR CAN SHOW EVIDENCE THAT CIRCUMSTANCES BEYOND HIS CONTROL REQUIRED THE RETESTING. THEREAFTER, THE SPECIFIC TESTING WILL BE AS FOLLOWS AND CONDUCTED BY THE GEOTECHNICAL ENGINEER.
- A. THE LAND TO BE FILLED (PREPARED SUBGRADE) SHALL BE PREPARED AND TESTED AT A FREQUENCY AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
- B. THE FIRST LIFT OF COMPACTED FILL (GENERALLY 8 TO 12 IN.) SHALL BE TESTED AS DETERMINED BY THE GEOTECHNICAL ENGINEER. FOR ANY AREA SLOPING DOWN TO THE PROPOSED STRUCTURES REQUIRING FILL SHALL BE TESTED FOR DENSITY COMPLIANCE.
- C. FILLS SHALL BE TESTED TO A MAXIMUM OF EIGHTEEN INCHES (18") OF FILL.
- D. TEST RESULTS WILL BE PROVIDED BY THE FIELD TECHNICIAN TO THE CONTRACTOR WHEN POSSIBLE; HOWEVER, ALL TEST RESULTS ARE TO BE REVIEWED BY THE GEOTECHNICAL ENGINEER FOR COMPLIANCE. THE ENGINEER WILL NOTIFY THE CONTRACTOR OF ALL THE TEST RESULTS.

VERTICAL DATUM NOTE

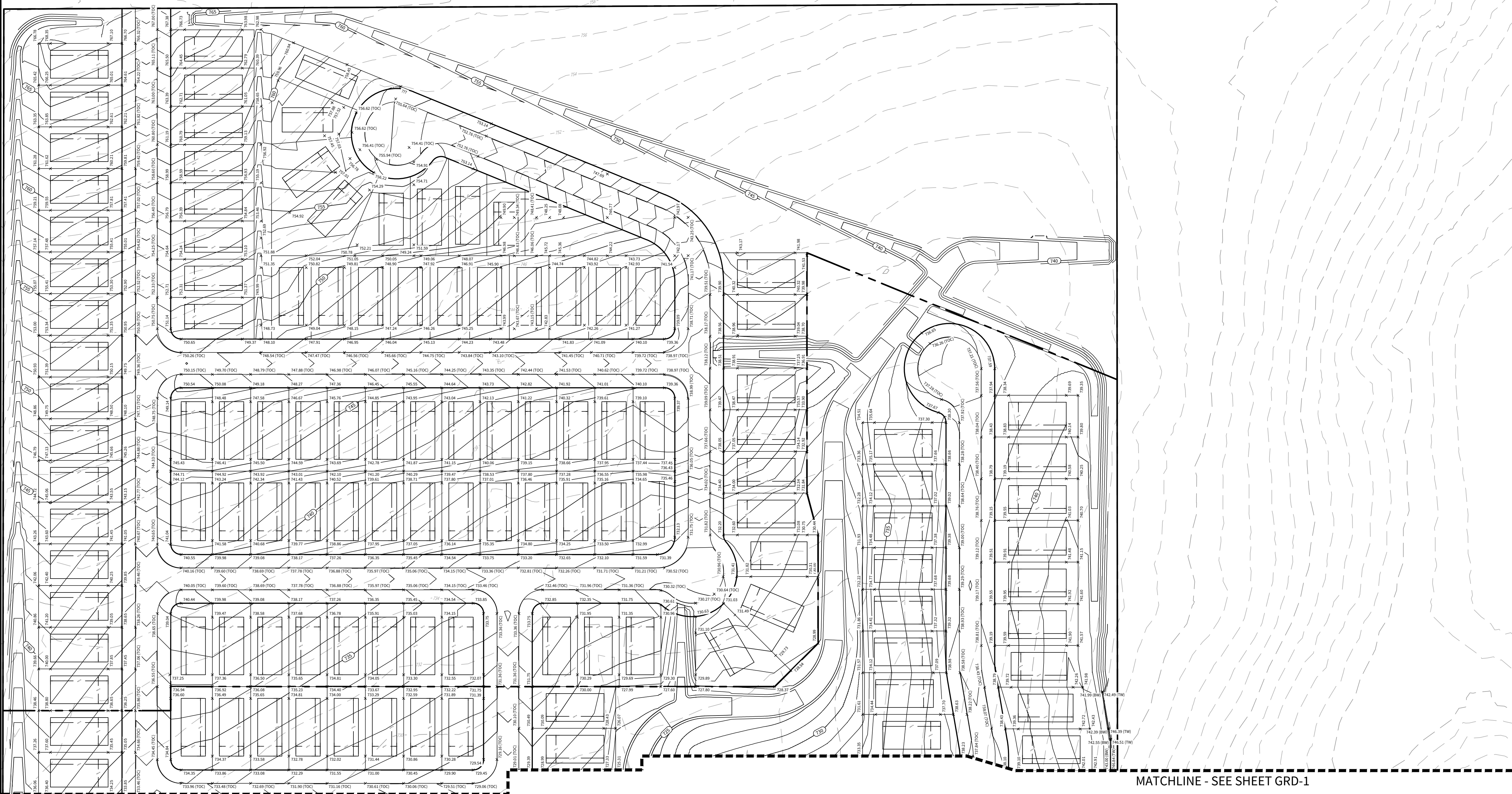
VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88), GEOID18

NOTES:

1. STREET PAVEMENT CONTOURS SHOWN, REFERENCE GEOTECH REPORT FOR PAVEMENT SECTIONS.
2. HOUSE PADS SHALL HAVE A MINIMUM 20' FRONTAGE, 20' REAR AND 5' SIDE SETBACK UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL REFER TO THE SUBDIVISION PLAT TO VERIFY ALL SETBACKS PRIOR TO CONSTRUCTION.
4. MINIMUM SLAB EXPOSURE IS 1.0'.
5. TYPICAL PAD SIZES IS 35' X 80' UNLESS NOTED OTHERWISE ON PLAN.
6. MAXIMUM REAR SETBACK SLOPE = 15%.
7. HOUSE PAD SWALES TO BE CONSTRUCTED WITH HOME BUILDING.
8. CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS MAINTAINED AWAY FROM ALL HOUSE PADS. NO WATER PONDING SHALL BE ALLOWED.

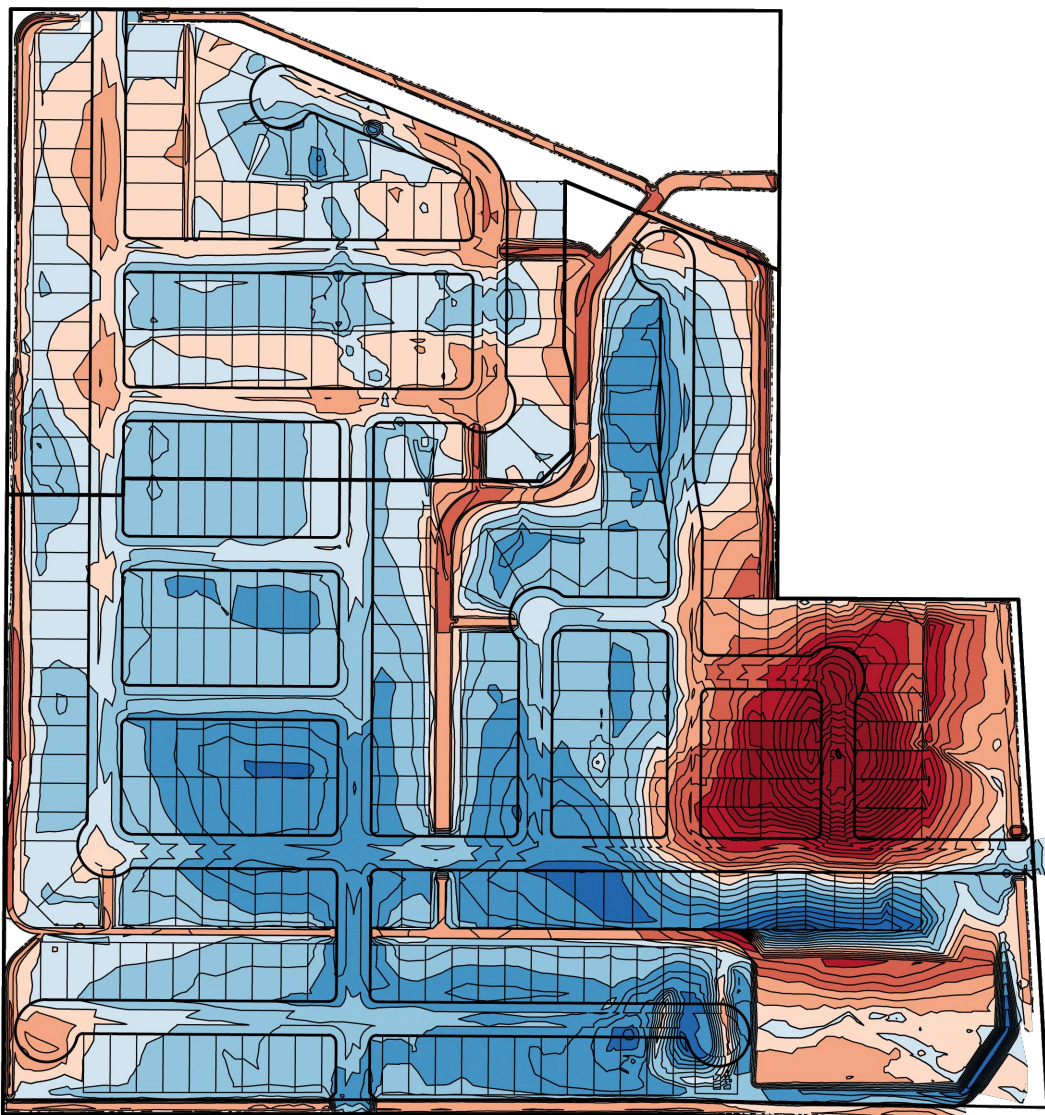


N.T.



MATCHLINE - SEE SHEET GRD-1

CUT & FILL HEAT MAP



Cut Fill Table			
Unit	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)
OVERALL	211,396	211,396	0

RETAINING WALL QUANTITIES:
+/- 2,493 LINEAR FEET
+/- 8,750 FACE SQ. FT. (972.22 SQ. YD.)

© 2024 M.W. CODE ENGINEERS LLC - THIS DOCUMENT, ANY PORTION THEREOF, AND ANY ASSOCIATED COPYRIGHTS SHALL REMAIN THE PROPERTY OF M.W. CODE ENGINEERS LLC. THIS DOCUMENT MAY NOT BE REPRODUCED, USED, OR DISTRIBUTED IN ANY FORM OR BY ANY MEANS TO ANYONE WITHOUT THE WRITTEN CONSENT OF M.W. CODE ENGINEERS LLC. THIS DOCUMENT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR USE OTHER THAN AS ORIGINALLY INTENDED BY M.W. CODE ENGINEERS. ANY UNAUTHORIZED REPRODUCTION, USE OR DISTRIBUTION OF THIS DOCUMENT WILL BE THE WRITING PARTY'S SOLE RISK, WITHOUT ANY LIABILITY TO M.W. CODE ENGINEERS LLC, AND WILL BE USED AGAINST ANY AND ALL PARTIES TO THE EXTENT PERMITTED BY LAW.