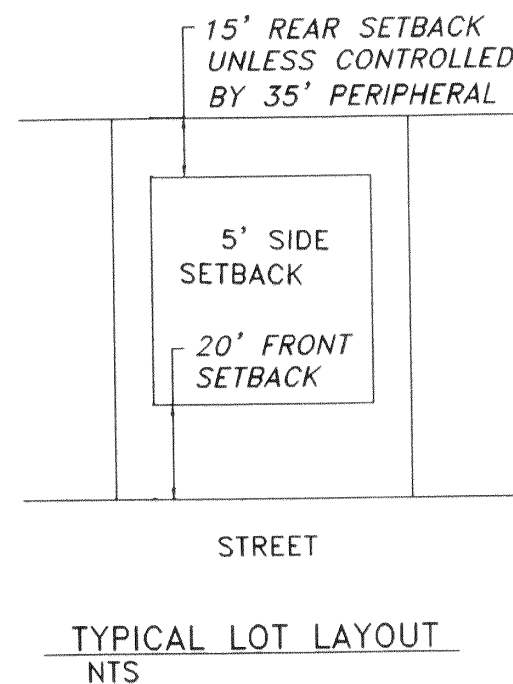
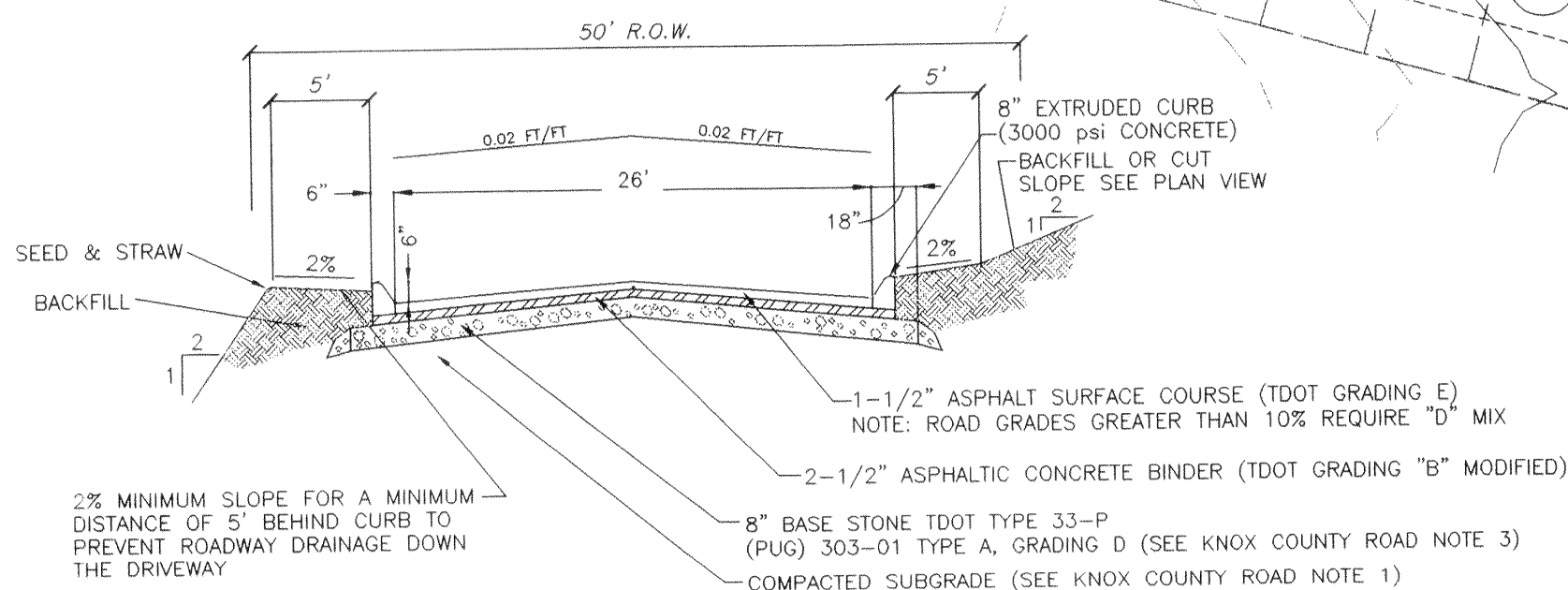




CERTIFICATION OF CONCEPT PLAN
I HEREBY CERTIFY THAT I AM AN ENGINEER, LICENSED UNDER THE LAWS OF THE STATE OF TENNESSEE. I FURTHER CERTIFY THESE PLANS AND ACCOMPANYING DRAWINGS, DOCUMENTS AND STATEMENTS CONFORM TO ALL APPLICABLE PROVISIONS OF THE KNOXVILLE-KNOX COUNTY SUBDIVISION REGULATIONS EXCEPT AS HAS BEEN ITEMIZED AND DESCRIBED IN A REPORT FILED WITH THE METROPOLITAN PLANNING COMMISSION.

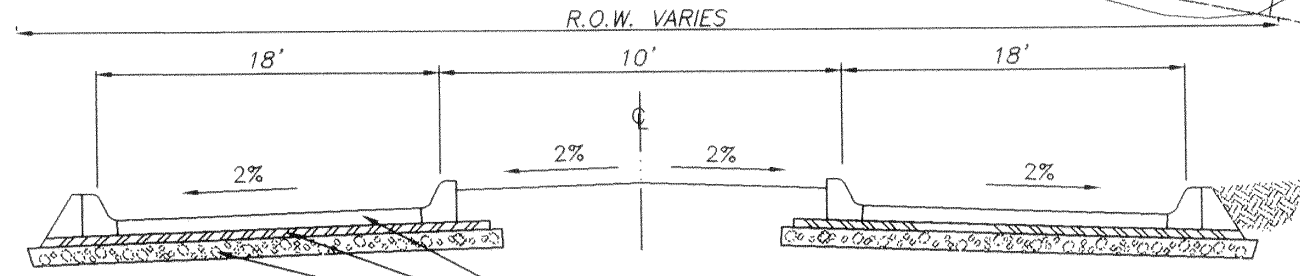
10/10/10
TN PE 104905



TYPICAL KNOX COUNTY ROAD CROSS SECTION
NOT TO SCALE

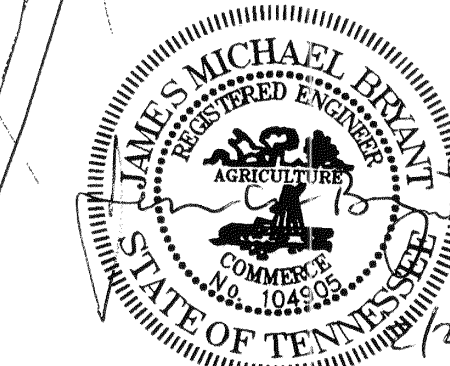
KNOX COUNTY ROAD BUILDING REQUIREMENTS

1. PLACEMENT OF FILL MATERIAL:
BORROW MATERIAL TO BE USED FOR SOIL FILL WILL BE COLLECTED AND TESTED FOR MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT (STANDARD PROCTOR ASTM D698) PRIOR TO COMMENCEMENT OF FILL PLACEMENT ACTIVITIES. FILL SOILS WILL BE COMPACTED IN THIN LAYERS OF NO MORE THAN EIGHT (8) INCHES BY SHEEPSFOOT COMPACTOR OR OTHER EQUIPMENT APPROVED BY KNOX COUNTY. ALL FILL SOILS SHALL BE COMPACTED TO A MINIMUM OF 98 PERCENT STANDARD PROCTOR MAXIMUM DRY DENSITY WITHIN ± MINUS THREE (3) PERCENT OF OPTIMUM MOISTURE CONTENT. SIX (6) DENSITY TESTS SHOULD BE PERFORMED NO LESS THAN EVERY 10,000 SQUARE FEET OF AREA PER 8-INCH LIFT (APPROXIMATELY 1 TEST EVERY 500 FEET).
2. SUBGRADE:
ALL REQUIRED TESTING SHALL BE PERFORMED BY A QUALIFIED, INDEPENDENT, PRE-APPROVED TESTING FIRM. THE OWNER OR CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE TESTING AND NOTIFYING THE KNOX COUNTY SUBDIVISION INSPECTOR AS TO THE SCHEDULED TESTING TIME. A KNOX COUNTY SUBDIVISION INSPECTOR SHALL BE PRESENT FOR ALL TESTING.
3. THE KNOX COUNTY SUBDIVISION INSPECTOR SHALL BE NOTIFIED WHEN THE BASE COURSE IS TO BE PLACED. THE BASE COURSE SHALL CONSIST OF EIGHT (8) INCHES OF COMPACTED CRUSHED STONE ON ALL LOCAL/RESIDENTIAL STREETS. THE SUBDIVISION INSPECTOR SHALL VERIFY THE COMPACTED THICKNESS OF THE LIFTS BEING APPLIED. THE BASE COURSE MUST BE COMPACTED TO 95% STANDARD PROCTOR. THE BASE MATERIAL MUST CONFORM TO DOT SPECIFICATIONS 303.01 MINERAL TYPE "A" BASE GRADE TO 10" AND SHALL BE PREPARED THROUGH A PUG MILL. THE BASE STONE SHALL BE PLACED WITH A SUITABLE MECHANICAL SPREADER, AS APPROVED BY KNOX COUNTY ENGINEERING. CAPABLE OF SPREADING THE BASE STONE TO A UNIFORM THICKNESS. THE SUBGRADE SHALL BE PREPARED WITH A FOUR (4) INCH CROWN AND GRADED WITHIN ONE HALF (1/2) INCH PLUS OR MINUS OF THE CENTERLINE PROFILE GRADE.



TYPICAL SECTION - BOULEVARDS
NOT TO SCALE

- LEGEND:
- PROPOSED DRAINAGE LINE
 - CATCH BASIN
 - HEADWALL
 - SEWER LINE
 - WATER LINE



SCALE IN FEET
0 100 200



- GENERAL NOTES:
1. CONTRACTOR TO VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES IS BASED ON THE BEST AVAILABLE INFORMATION. CALL TENNESSEE ONE-CALL AT 1-800-351-1111 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION ACTIVITIES FOR UTILITIES LOCATION.
 2. CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS FOR SLOPE STABILITY, SHORING, AND SLOPE CONTROL DURING CONSTRUCTION.
 3. BACK FILL MUST BE PLACED AND COMPACTED TO 95% OF STANDARD PROCTOR PRIOR TO UTILITY INSTALLATION.
 4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING GRADES AND ALIGNMENTS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES OR INCONSISTENCIES TO THE CAMPBELL COMPANY AT 755-357.
 5. TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 6. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE "MANUAL OF A CIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC.
 7. DEMOLITION OF EXISTING STRUCTURES AND ABANDONMENT OF EXISTING UTILITIES TO BE PERMITTED AND COORDINATED WITH KNOX COUNTY.

- PROPERTY NOTES:
1. TOTAL AREA = 73± ACRES
 2. NO. OF LOTS = 279
 3. CLT 42, PARCEL 195.37
 4. EXISTING ZONING: PR (DU/ACRE)
 5. ACCESS TO INTERNAL STREETS ONLY.
 6. 10' DRAINAGE AND UTILITY EASEMENT INSIDE EXTERIOR AND ROAD FRONTAGE. LOT LINES, EACH SIDE OF INTERIOR LOT LINES.
 7. INTERSECTION GRADE OF 3% APPROVED BY KNOX COUNTY ENGINEERING.
 8. 35' DEDICATED R.O.W. FROM CENTERLINE OF MILLERTOWN PIKE.

- UTILITY NOTES:
- | | |
|--------------|----------------------------------|
| WATER: | NORTH EAST KNOX UTILITY DISTRICT |
| SEWER: | KUB |
| ELECTRIC: | KUB |
| GAS: | KUB |
| TELEPHONE: | BELL SOUTHERN |
| SOLID WASTE: | PRIVATE Hauler |

- VARIANCES:
- HORIZONTAL CURVES:
ROAD B - STA 1+22.27 TO 3+06.91 - REDUCE FROM 250' TO 125'
ROAD B - STA 15+69.9 - TO 18+61.23 - REDUCE FROM 250' TO 225'
ROAD C - STA 24+56.7 - TO 25+98.74 - REDUCE FROM 250' TO 100'
- VERTICAL CURVES:
ROAD A - STA 9+93.24 TO 13+31.24 - REDUCE FROM 461.25' TO 340'

CONCEPT PLAN
SHEET ONE

ELY PARK
Knox County, Tennessee

Prepared For:

Amherst Properties, LLC
130 N. Martinwood Rd
Knoxville, Tennessee 37923
(865) 670-0482

Municipality:

Knox County Department of Engineering and Public Works
205 W. Baxter Avenue
Knoxville, Tennessee 37917
(865) 215-5800

IDEAL ENGINEERING SOLUTIONS INCORPORATED
Ideal Engineering Solutions, Inc.
325 Woodc Lane
Knoxville, Tennessee 37922
(865) 607-6881