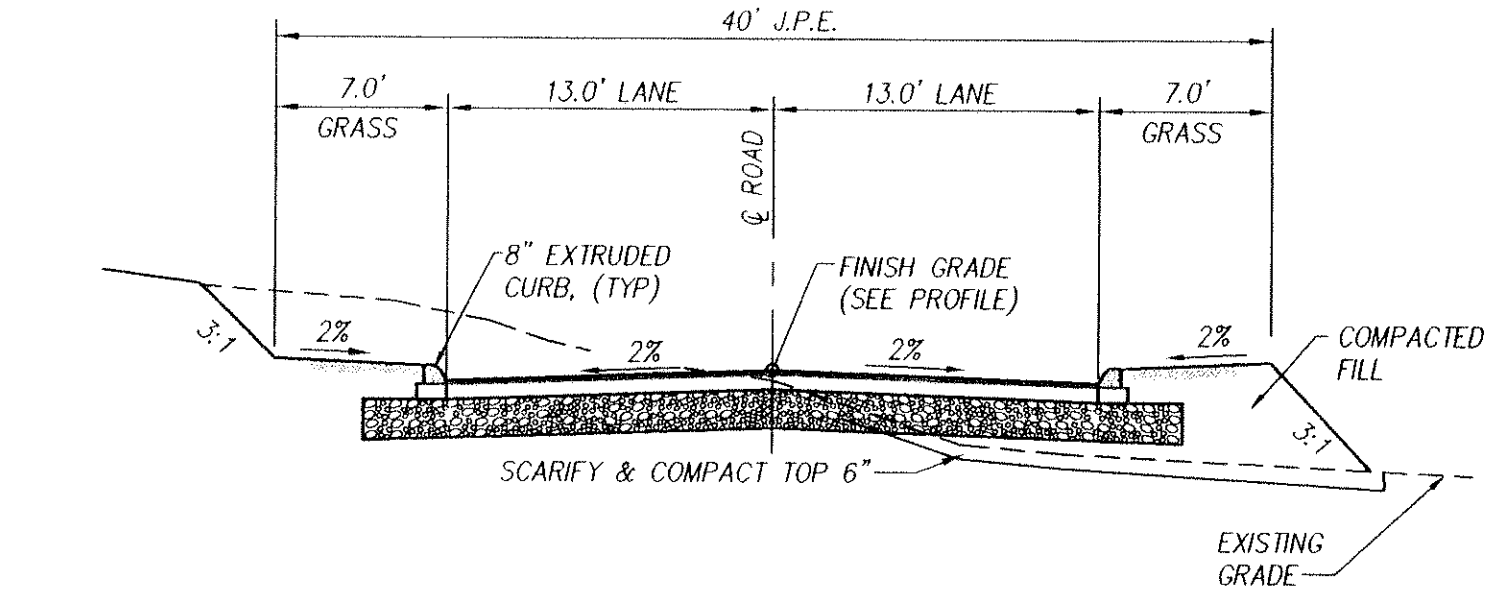
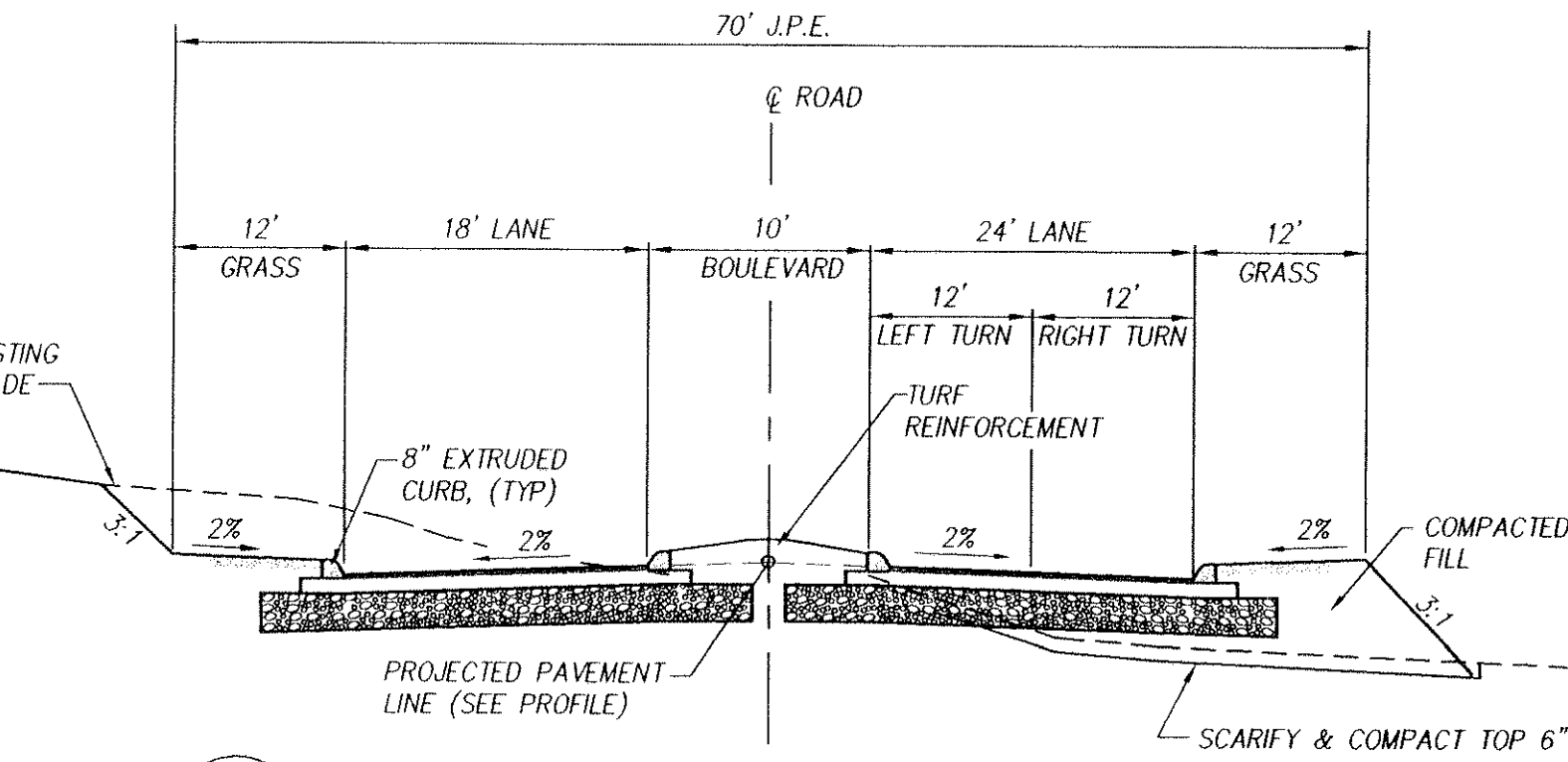


HORIZONTAL CURVE DATA TABLE								
CURVE NO.	P.I. COORDINATES		P.C. STATION	P.T. STATION	DELTA ANGLE	RADIUS	TANGENT	LENGTH
	NORTHING	EASTING						
C-1	591774.2564	2521566.8063	0+76.41	1+71.25	43°28'16"	125'	49.83'	94.84'
C-2	591477.4895	2521371.2767	3+96.31	5+49.37	43°50'57"	200'	80.50'	153.06'

- NOTES:
- THE TYPICAL ASPHALT SECTION SHALL CONSIST OF 8" BASE STONE, 2 1/2" BINDER, 1.5" SURFACE COURSE. ("D" MIX PER TDDT SPECIFICATIONS)
 - BORROW MATERIAL TO BE USED FOR FILL WILL BE TESTED FOR MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT (STANDARD PROCTOR ASTM D698) PRIOR TO PLACEMENT OF FILL.
 - FILL SOILS WILL BE COMPACTED IN LAYERS 8 INCHES OR LESS IN THICKNESS TO A MINIMUM OF 98 PERCENT STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN PLUS OR MINUS 3 PERCENT OPTIMUM MOISTURE CONTENT. SIX (6) DENSITY TESTS SHOULD BE PERFORMED NO LESS THAN EVERY 10,000 SQUARE FEET OF AREA PER 8-INCH LIFT (APPROX. 1 TEST PER EVERY 50 FEET).
 - COMPACTION TESTING OF ROADWAY, TO BE PERFORMED AND INSPECTED IN ACCORDANCE WITH KNOX COUNTY REQUIREMENTS.
 - PROPOSED GRADES AT INTERSECTIONS FROM 1% TO 3% ARE APPROVED BY KNOX COUNTY.

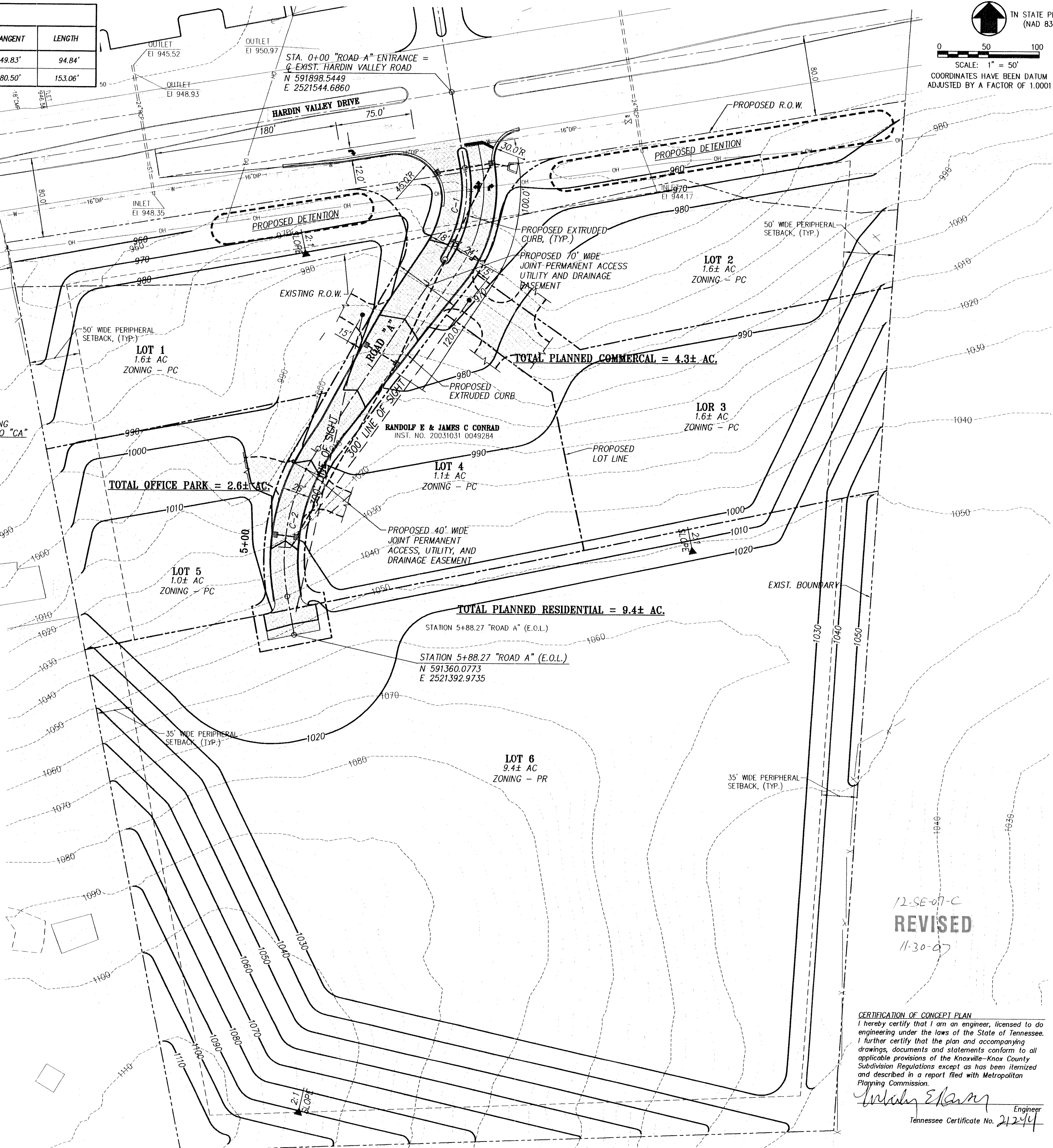


1 ROAD SECTION
N.T.S.



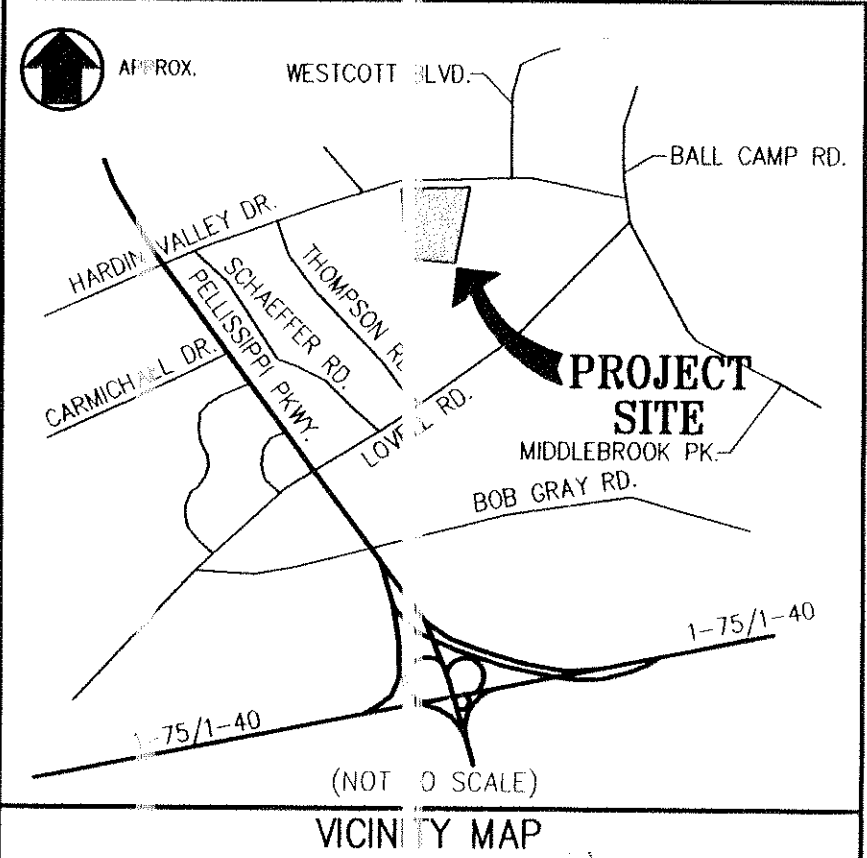
2 TYPICAL SECTION-PROPOSED ROADWAY W/ BOULEVARD
N.T.S.

TENNESSEE ONE CALL
CALL BEFORE YOU DIG
1-800-351-1111



12-SE-07-C
REVISED
11-30-07

CERTIFICATION OF CONCEPT PLAN
I hereby certify that I am an engineer, licensed to do engineering under the laws of the State of Tennessee. I further certify that the plan 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 Metropolitan Planning Commission.
Wendy E. Harty
Engineer
Tennessee Certificate No. 21246



- GENERAL NOTES:
- THE TOPOGRAPHIC & BOUNDARY DATA SHOWN WAS PROVIDED K.G.I.S. DATED FEBRUARY, 2006.
 - PROPERTY CONCERNED REFLECTS PARCELS 17.01 AS SHOWN SHOWN IN KNOX COUNTY Q.T. TAX MAP NO. 104. ZONING FOR THE PROPERTY IS PC "PLANNED COMMERCIAL ZONE" AND PR "PLANNED RESIDENTIAL ZONE". TOTAL AREA FOR PARCEL 17.01 IS 16.34 ACRES.
 - ALL SETBACKS SHALL BE IN ACCORDANCE WITH KNOX COUNTY ZONING ORDINANCE APPROVED SETBACKS.
 - OWNERS:
PARCEL 17.01
RANDOLF E. CONRAD
9772 COLBERT LN
MANASSAS, VA 20111
 - PERIMETER SLOPES SHALL BE LANDSCAPED AND ARE NOT TO EXCEED 2:1 (H:V) UNLESS PROPER STABILIZATION IS PROVIDED.
 - PROPOSED TEN FOOT CONTOURS SHOWN ARE FOR PROPOSED ROADWAY.
 - DETENTION TO BE EVALUATED AS PART OF FINAL DRAINAGE DESIGN.

- LANDSCAPING:
- ALL LANDSCAPING ACTIVITIES SHALL BE IN ACCORDANCE WITH SECTION 63-40, "LANDSCAPING," OF THE KNOX COUNTY MINIMUM SUBDIVISION REGULATIONS.
 - REFERENCING SECTION 14-3, OF THE ORDINANCE, ALL TREES SHALL BE MAINTAINED TO ASSURE SURVIVAL A MINIMUM OF 18 MONTHS AFTER COMPLETION OF CONSTRUCTION.

- EROSION CONTROL:
- EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDEC AND KNOX COUNTY - DEPARTMENT OF ENGINEERING REQUIREMENTS.
 - AS A MINIMUM, SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF THE PROPERTY, UNTIL PAVING & LANDSCAPING OPERATIONS ARE COMPLETED.

- UTILITY SERVICES:
- UTILITY SERVICES ARE TO BE PROVIDED BY THE FOLLOWING:
- WATER - WEST KNOX UTILITY DISTRICT
 - SEWER - WEST KNOX UTILITY DISTRICT
 - ELECTRIC - KNOXVILLE UTILITIES BOARD
 - GAS - KNOXVILLE UTILITIES BOARD
 - TELEPHONE - BELLSOUTH
 - CABLE - COMCAST

LEGEND	
900	PROPOSED CONTOUR
900	EXISTING CONTOUR
ASPHALT	ASPHALT PAVEMENT
SD	PROPOSED STORM DRAIN
---	EXISTING BOUNDARY

REVISIONS	DATE
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Cannon & Cannon, Inc.
Consulting Engineers • Field Surveyors
9724 Kingston Pike
Suite 1100, Franklin Square
Knoxville, Tennessee 37922
Telephone: (865) 670-8555
Fax: (865) 670-8866

CLIENT:
HARDIN VALLEY LLC.
11803 KINGSTON PIKE SUITE 185
KNOXVILLE, TENNESSEE 37922
(865) 670-0881

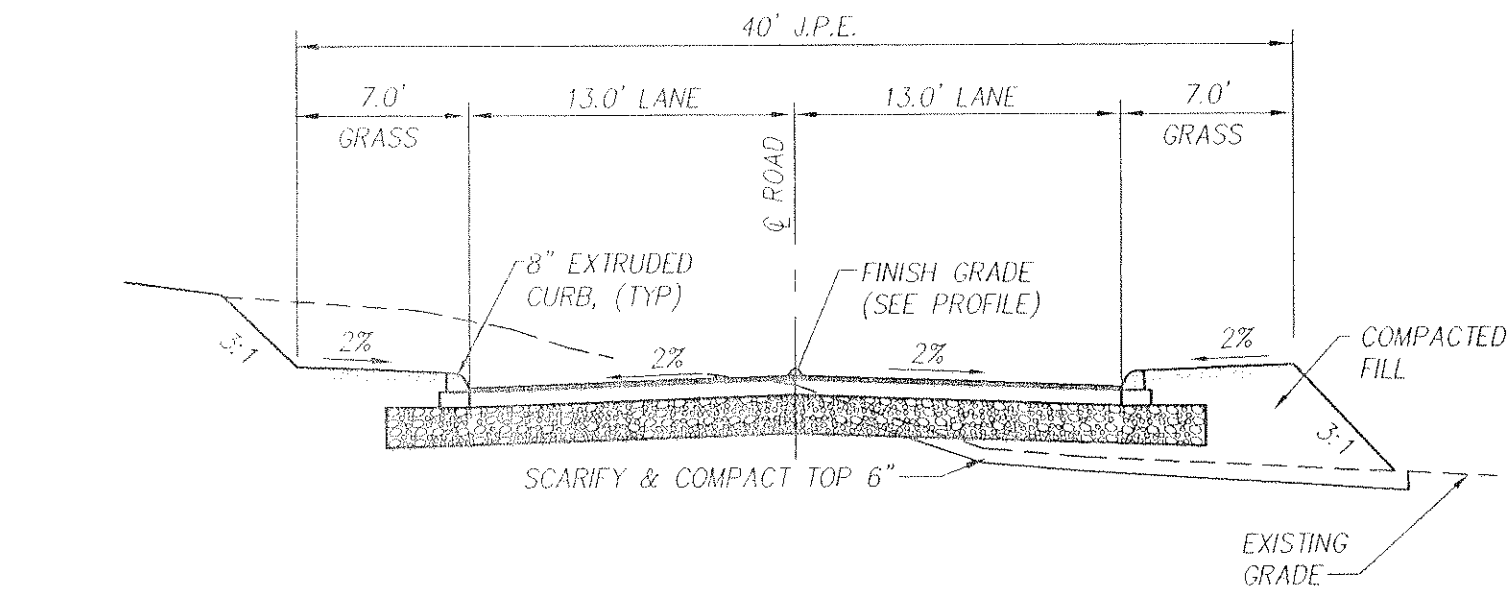
PROJECT:
HARDIN VALLEY CONRAD

CONCEPT PLAN

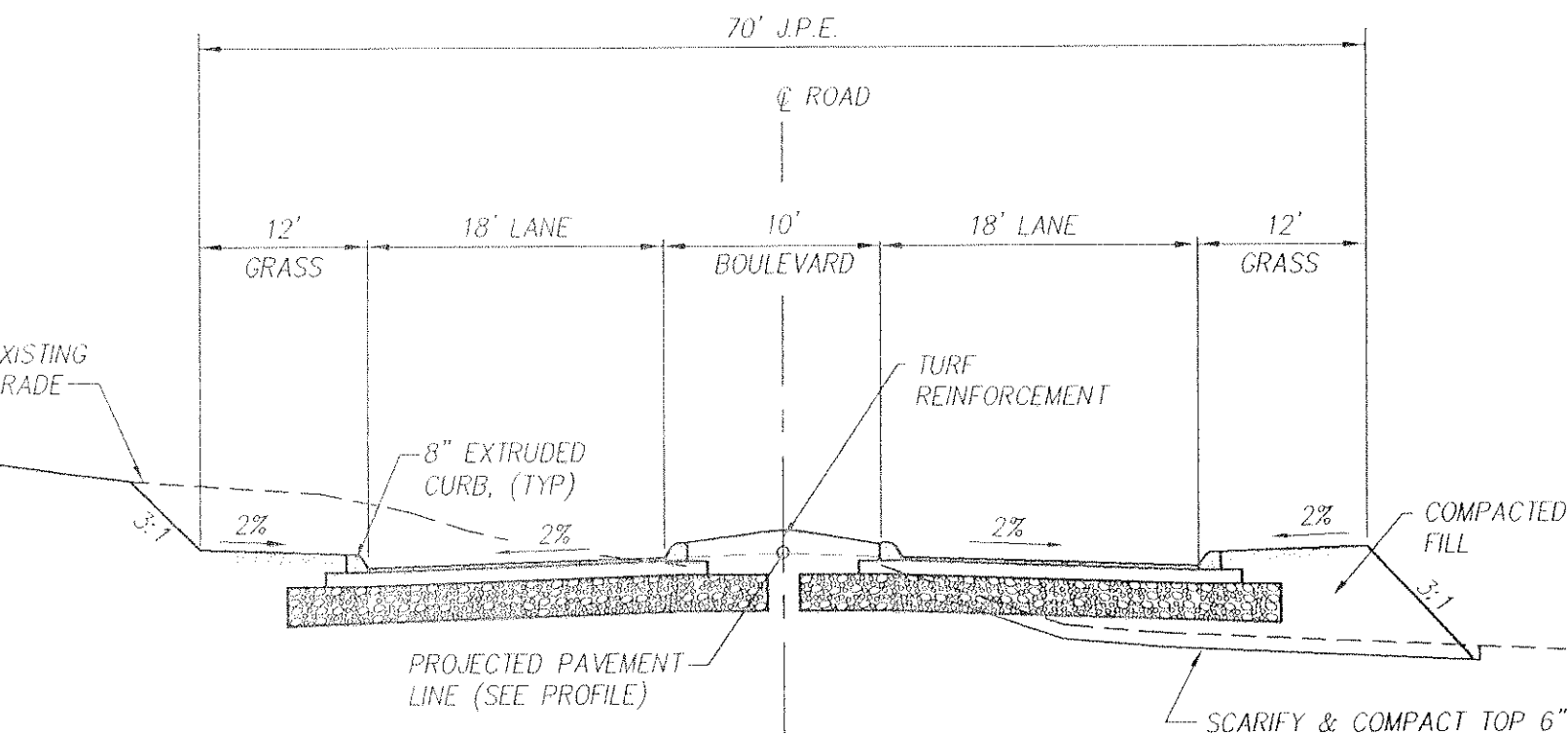
PROJECT NO.	00621-0002
DATE	NOVEMBER 9, 2007
BY	RJB
CHKD BY	WBN
PRELIMINARY FOR REVIEW ONLY	
CP1.00	

HORIZONTAL CURVE DATA TABLE								
CURVE NO.	P.I. COORDINATES		P.C. STATION	P.T. STATION	DELTA ANGLE	RADIUS	TANGENT	LENGTH
	NORTHING	EASTING						
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C-2	591477.4895	2521371.2767	3+96.31	5+49.37	43°30'57"	200'	80.50'	153.06'

- NOTES:
1. THE TYPICAL ASPHALT SECTION SHALL CONSIST OF 8" BASE STONE, 2 1/2" BINDER, 1.5" SURFACE COURSE. (70" MIX PER 100T SPECIFICATIONS)
 2. BORROW MATERIAL TO BE USED FOR FILL WILL BE TESTED FOR MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT (STANDARD PROCTOR ASTM D698) PRIOR TO PLACEMENT OF FILL.
 3. FILL SOILS WILL BE COMPACTED IN LAYERS 8 INCHES OR LESS IN THICKNESS TO A MINIMUM OF 98 PERCENT STANDARD PROCTOR MAXIMUM DRY DENSITY AND WITHIN PLUS OR MINUS 3 PERCENT OPTIMUM MOISTURE CONTENT. SIX (6) DENSITY TESTS SHOULD BE PERFORMED NO LESS THAN EVERY 10,000 SQUARE FEET OF AREA PER 8-INCH LIFT (APPROX. 1 TEST PER EVERY 50 FEET).
 4. COMPACTION TESTING OF ROADWAY, TO BE PERFORMED AND INSPECTED IN ACCORDANCE WITH KNOX COUNTY REQUIREMENTS.
 5. PROPOSED GRADES AT INTERSECTIONS FROM 1% TO 3% ARE APPROVED BY KNOX COUNTY.

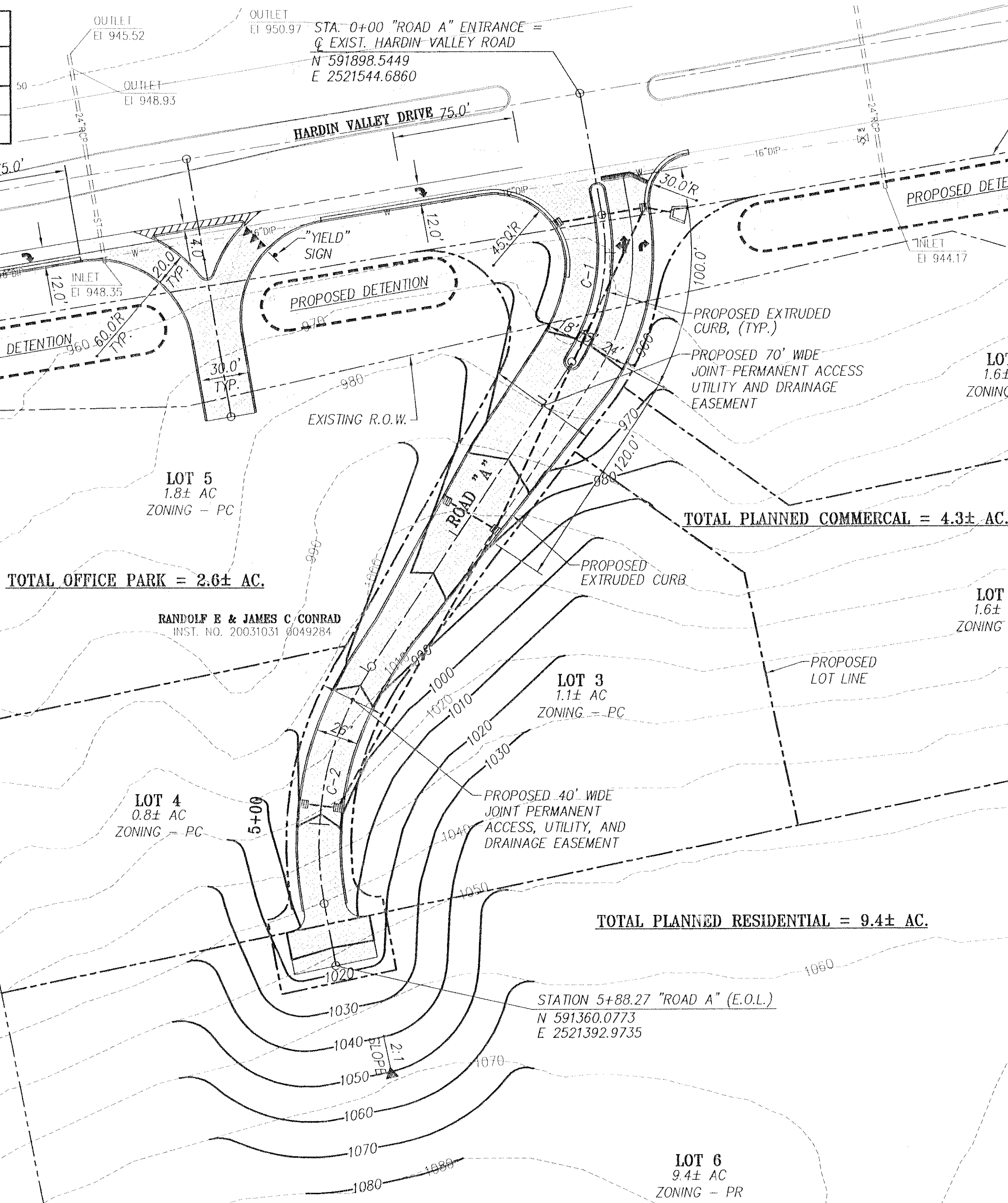


1 ROAD SECTION
- N.T.S.



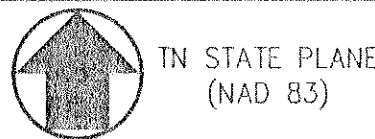
2 TYPICAL SECTION-PROPOSED ROADWAY W/ BOULEVARD
- N.T.S.

10
TENNESSEE ONE CALL
CALL BEFORE YOU DIG
1-800-351-1111

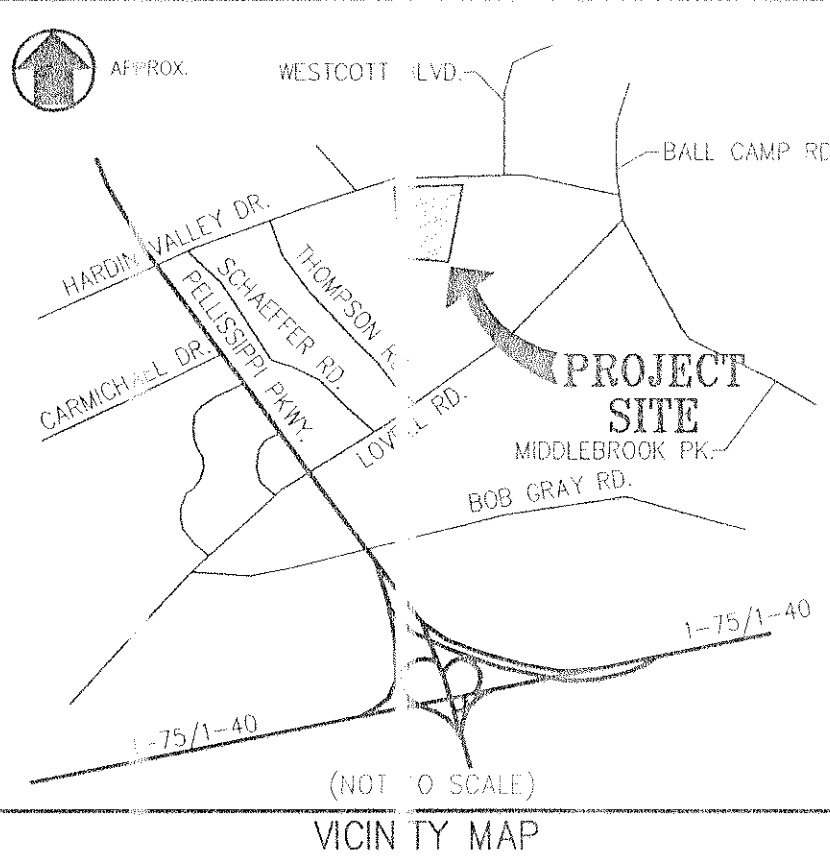


CERTIFICATION OF CONCEPT PLAN
I hereby certify that I am an engineer, licensed to do engineering under the laws of the State of Tennessee. I further certify that the plan and accompanying drawings, documents and statements conform to all applicable provisions of the Knoxville-Knox County Subdivision Regulations except as has been itemized and described in a report filed with Metropolitan Planning Commission.

Jeff Roberts, P.E.
Tennessee Certificate No. 105722



SCALE: 1" = 50'
COORDINATES HAVE BEEN DATUM ADJUSTED BY A FACTOR OF 1.0001



- GENERAL NOTES:
1. THE TOPOGRAPHIC & BOUNDARY DATA SHOWN WAS PROVIDED K.G.I.S. DATED FEBRUARY, 2006.
 2. PROPERTY CONCERNED REFLECTS PARCELS 17.01 AS SHOWN SHOWN ON KNOX COUNTY C.T. TAX MAP NO. 104. ZONING FOR THE PROPERTY IS PC "PLANNED COMMERCIAL ZONE" AND PH "PLANNED RESIDENTIAL ZONE". TOTAL AREA FOR PARCEL 17.01 IS 16.34 ACRES.
 3. ALL SETBACKS SHALL BE IN ACCORDANCE WITH KNOX COUNTY ZONING ORDINANCE AND TTCA APPROVED SETBACKS.
 4. OWNER: PARCEL 17.01 RANDOLF E. CONRAD 9772 COLBERT LN MANASSAS, VA 20111
 5. PERIMETER SLOPES SHALL BE LANDSCAPED AND ARE NOT TO EXCEED 2:1 (H:V) UNLESS PROPER STABILIZATION IS PROPOSED.
 6. ALL LOT ACCESS TO BE FROM INTERNAL ROADWAY EXCEPT LOT 5.
 7. PROPOSED TEN FOOT CONTOURS SHOWN ARE FOR PROPOSED ROADWAY.
 8. DETENTION TO BE EVALUATED AS PART OF FINAL DRAINAGE DESIGN.

- LANDSCAPING:
1. ALL LANDSCAPING ACTIVITIES SHALL BE IN ACCORDANCE WITH SECTION 63-40, "LANDSCAPING," OF THE KNOX COUNTY MINIMUM SUBDIVISION REGULATIONS.
 2. REFERENCING SECTION 14-1 OF THE ORDINANCE, ALL TREES SHALL BE MAINTAINED TO ASSURE SURVIVAL A MINIMUM OF 18 MONTHS AFTER COMPLETION OF CONSTRUCTION.

- EROSION CONTROL:
1. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDEC AND KNOX COUNTY - DEPARTMENT OF ENGINEERING REQUIREMENTS.
 2. AS A MINIMUM, SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF THE PROPERTY, UNTIL PAVING & LANDSCAPING OPERATIONS ARE COMPLETE.

- UTILITY SERVICES:
- UTILITY SERVICES ARE TO BE PROVIDED BY THE FOLLOWING:
- WATER - WEST KNOX UTILITY DISTRICT
 - SEWER - WEST KNOX UTILITY DISTRICT
 - ELECTRIC - LENOIR CITY UTILITIES BOARD
 - GAS - KNOXVILLE UTILITIES BOARD
 - TELEPHONE - BELLSOUTH
 - CABLE - COMCAST

- LEGEND
- 900- PROPOSED CONTOUR
 - 900- EXISTING CONTOUR
 - ASPHALT PAVEMENT
 - SD- PROPOSED STORM DRAIN
 - - - - - EXISTING BOUNDARY

REVISIONS:	DATE
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 **Cannon & Cannon, Inc.**
Consulting Engineers • Field Surveyors
9724 Kingston PI.
Suite 1100, Frank Square
Knoxville, Tennessee 37922
Telephone: (865) 670-8555
Fax: (865) 670-8866

CLIENT:
HARDIN VALLEY LLC.
11803 KINGSTON PIKE SUITE 185
KNOXVILLE, TENNESSEE 37922
(865) 507-0861

PROJECT:
HARDIN VALLEY CONRAD

CONCEPT PLAN

PROJECT NO. 00621-0002
DATE: NOVEMBER 9, 2007
P.L.C.: RJB
DRAWN: WSW

PRELIMINARY FOR REVIEW ONLY

CP1.00