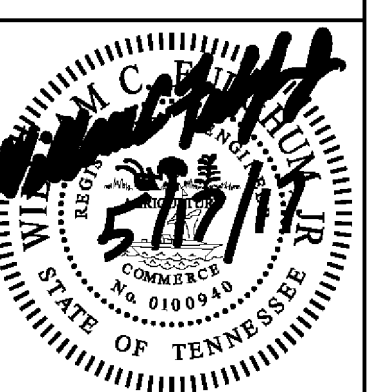


PALMER SUBDIVISION HARDIN VALLEY ROAD KNOX COUNTY, TENNESSEE



10330 HARDIN VALLEY ROAD
SUITE 201
KNOXVILLE, TN 37932
OFFICE: 865.690.6419
FAX: 865.690.6448
www.fulghummacindoe.com

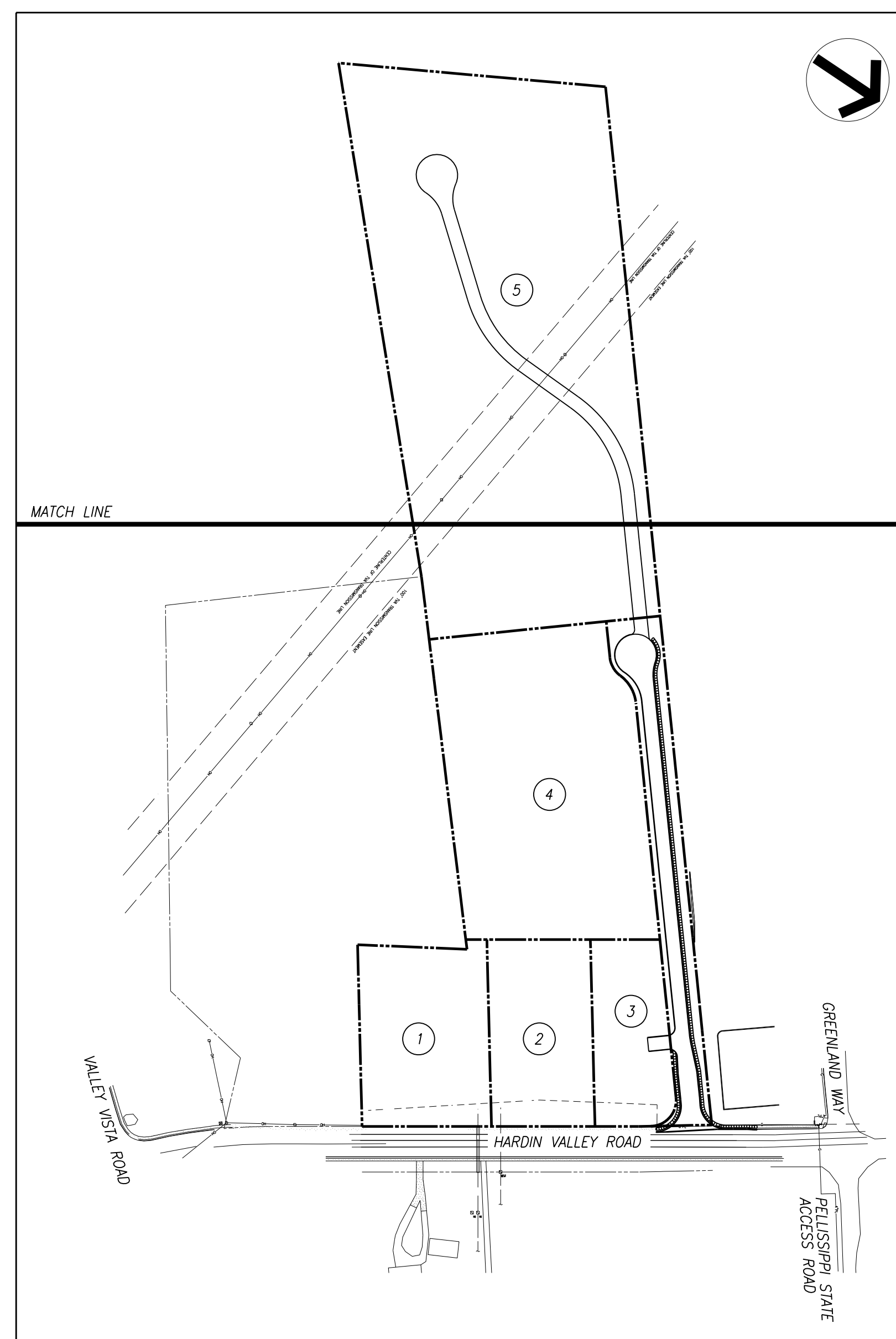


PALMER SUBDIVISION
10810 HARDIN VALLEY ROAD
KNOXVILLE, TENNESSEE 37932

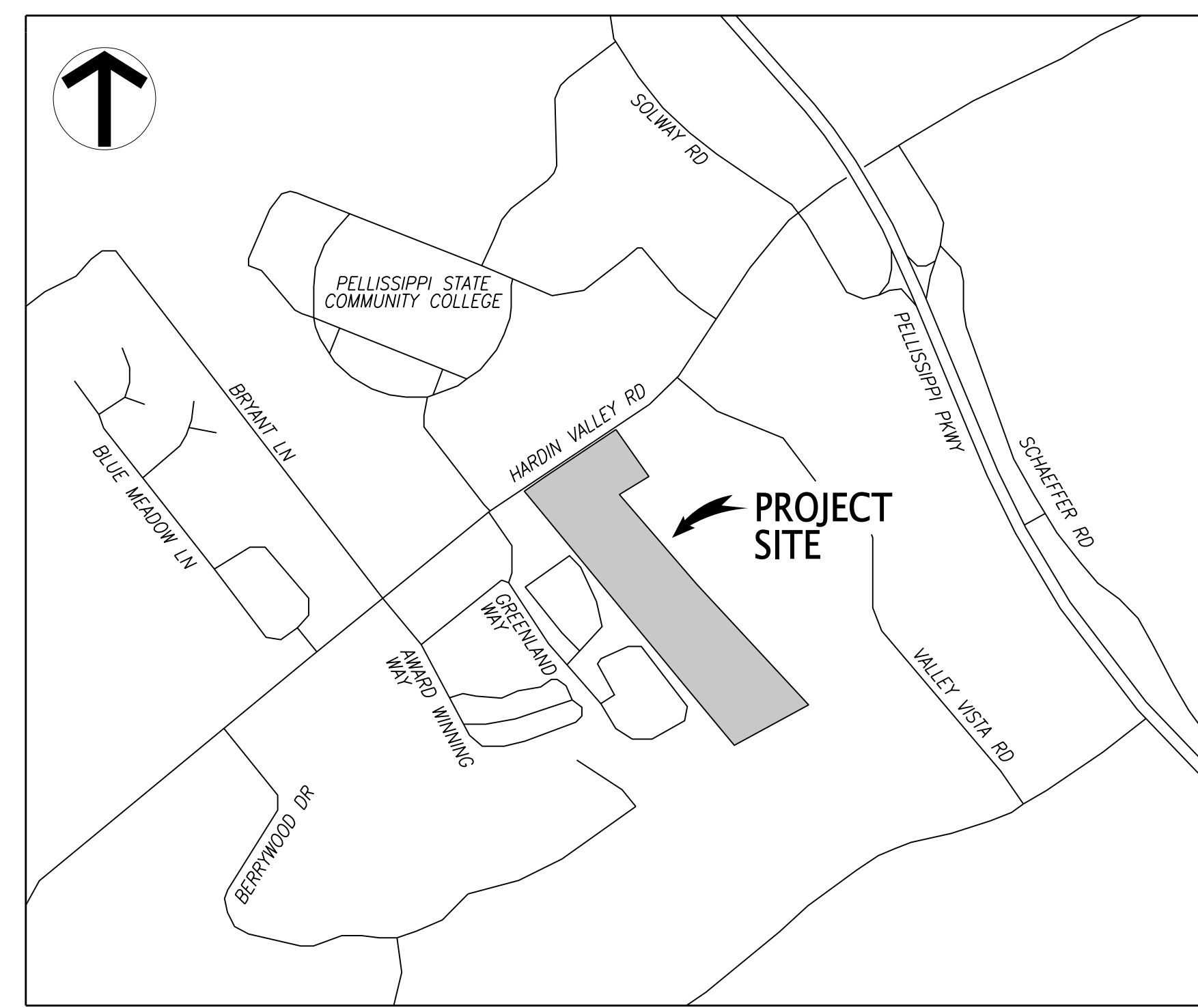
HARDIN VALLEY LAND PARTNERS, LLC
10784 HARDIN VALLEY ROAD
KNOXVILLE, TN 37932
CONTACT: RUSTY BITTLE
TELEPHONE NO.: 865.670.7426
EMAIL: RUSTY@HARDINVALLEYLAND.COM

COVER SHEET

PROJ. MGR.	DESIGNED BY	DRAWN BY	JCM	Date
	WCF	WCF	05/17/17	
	WCF	WCF	04/19/17	
	WCF	WCF	08/11/16	
	WCF	WCF	04/21/16	
	WCF	WCF	03/28/16	
No.	Revision/Issue			
Project	Sheet			
548.002	C1			
Date				
02/18/16				
Scale				
N.T.S.				



OVERALL MAP
(NOT TO SCALE)



LOCATION MAP
(NOT TO SCALE)

DRAWING INDEX

SHEET NO.	REV. NO.	ISSUE DATE	TITLE
C1	5	05/17/17	COVER SHEET
C2	5	05/17/17	SITE LAYOUT AND PAVING PLAN
C3	2	08/11/16	EPSC PLAN - STAGE 1
C4	5	05/17/17	EPSC PLAN - STAGE 2
C5	5	05/17/17	SITE GRADING PLAN
C6	4	05/17/17	EPSC PLAN - STAGE 3
C7	3	05/23/16	STORM DRAINAGE PLAN
C8	1	03/10/16	WATER PLAN
C9	2	07/27/16	SANITARY SEWER PLAN
C10	2	07/27/16	SANITARY SEWER PROFILES
C11	3	05/17/17	ROADWAY PROFILES
C12	4	05/17/17	SITE DETAILS
C13	3	08/11/16	SITE DETAILS
C14	2	05/23/16	SITE DETAILS
C15	0	08/11/16	SITE LAYOUT PLAN
C16	0	08/11/16	EPSC PLAN - STAGE 1
C17	2	05/17/17	EPSC PLAN - STAGE 2
C18	2	05/17/17	SITE GRADING PLAN

6-SB-17-C
Revised: 5/18/2017

File Name: J:\548\548.002\DWG\548002C01.dgn
Plot Date: 5/17/2017



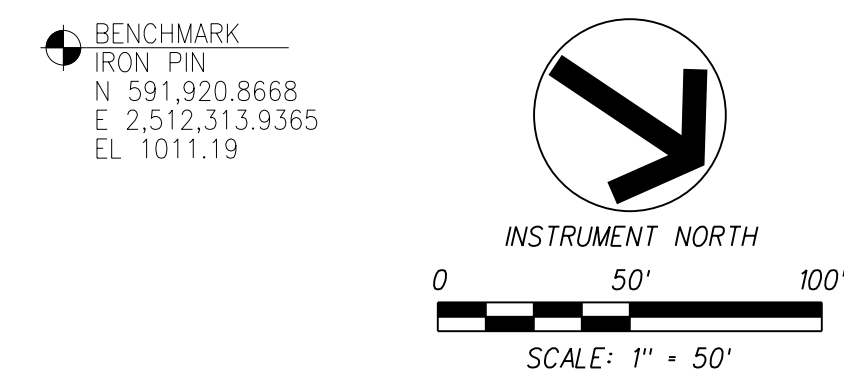
PALMER SUBDIVISION
10810 HARDIN VALLEY ROAD
KNOXVILLE, TENNESSEE 37932

HARDIN VALLEY LAND PARTNERS, LLC
10784 HARDIN VALLEY ROAD
KNOXVILLE, TN 37932
CONTACT: RUSTY BITTLE
TELEPHONE NO.: 865.670.7426
EMAIL: RUSTY@HARDINVALLEYLAND.COM

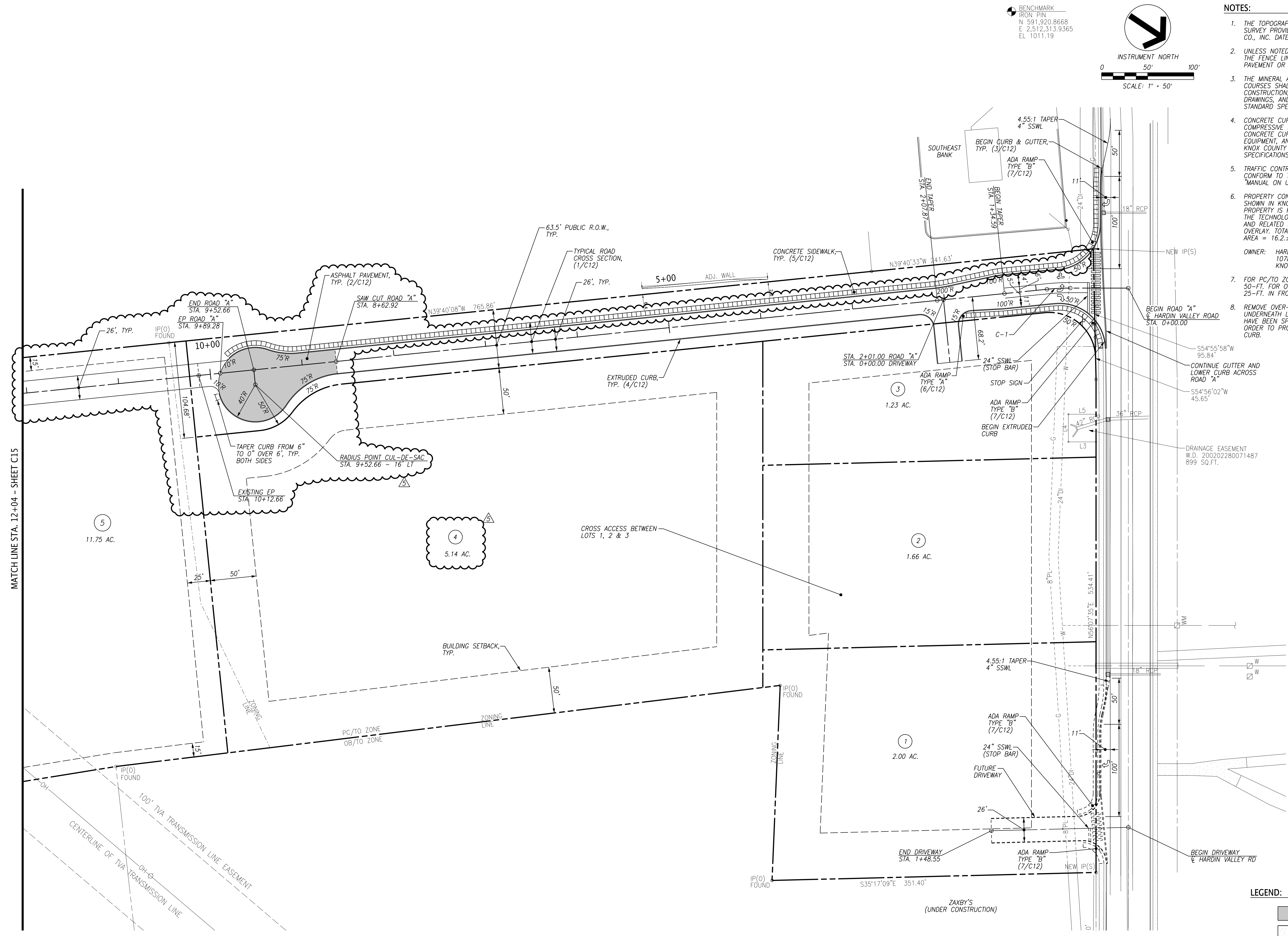
SITE LAYOUT AND PAVING PLAN

PROJ. MGR.	DESIGNED BY	DRAWN BY	JCM	Date
▲	WCF	WCF	05/17/17	
▲	WCF	WCF	04/19/17	
▲	WCF	WCF	08/11/16	
▲	WCF	WCF	04/21/16	
▲	WCF	WCF	03/28/16	

Project: 548.002
Date: 02/18/16
Scale: 1"=50'
Sheet: **C2**



- NOTES:**
- THE TOPOGRAPHIC & BOUNDARY DATA WAS TAKEN FROM SURVEY PROVIDED BY SMOKY MOUNTAIN LAND SURVEYING CO., INC. DATED DECEMBER 16, 2015.
 - UNLESS NOTED OTHERWISE, DIMENSIONS ARE TAKEN FROM THE FENCE LINE, PROPERTY LINE, FACE OF CURB, EDGE OF PAVEMENT OR OUTSIDE FACE OF BUILDING.
 - THE MINERAL AGGREGATE BASE AND ASPHALTIC SURFACE COURSES SHALL MEET THE MATERIALS, EQUIPMENT, CONSTRUCTION, AND TESTING REQUIREMENTS OF THESE DRAWINGS, AND THE KNOX COUNTY ENGINEERING DEPARTMENT STANDARD SPECIFICATIONS.
 - CONCRETE CURB AND PAVEMENT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. CONCRETE CURB AND PAVEMENT SHALL MEET THE MATERIALS, EQUIPMENT, AND CONSTRUCTION REQUIREMENTS OF THE KNOX COUNTY ENGINEERING DEPARTMENT STANDARD SPECIFICATIONS.
 - TRAFFIC CONTROL DEVICES AND PAVEMENT MARKING SHALL CONFORM TO THE FEDERAL HIGHWAY ADMINISTRATIONS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
 - PROPERTY CONCERNED REFLECTS PARCEL 103 115 AS SHOWN IN KNOX COUNTY CLT MAP 103. ZONING FOR THE PROPERTY IS PC/T0, PLANNED COMMERCIAL ZONE WITHIN THE TECHNOLOGY OVERLAY, AND OB/T0, OFFICE, MEDICAL AND RELATED SERVICES ZONE WITHIN THE TECHNOLOGY OVERLAY. TOTAL AREA = 23.3± AC. TOTAL DISTURBED AREA = 16.2± AC.
 - OWNER: HARDIN VALLEY LAND PARTNERS, LLC
10784 HARDIN VALLEY ROAD
KNOXVILLE, TN 37932
 - FOR PC/T0 ZONE, BUILDING PERIPHERY SETBACKS ARE 50'-FT. FOR OB/T0 ZONE, BUILDING SETBACKS ARE 25'-FT. IN FRONT, 15'-FT. ON SIDE AND 20'-FT. IN REAR.
 - REMOVE OVER-PAVEMENT OF ASPHALT AND STONE FROM UNDERNEATH LANDSCAPE AREAS UP TO THE LIMITS THAT HAVE BEEN SPECIFIED (REFER TO THE CURB DETAIL) IN ORDER TO PROVIDE A SOLID BASE FOR THE CONCRETE CURB.



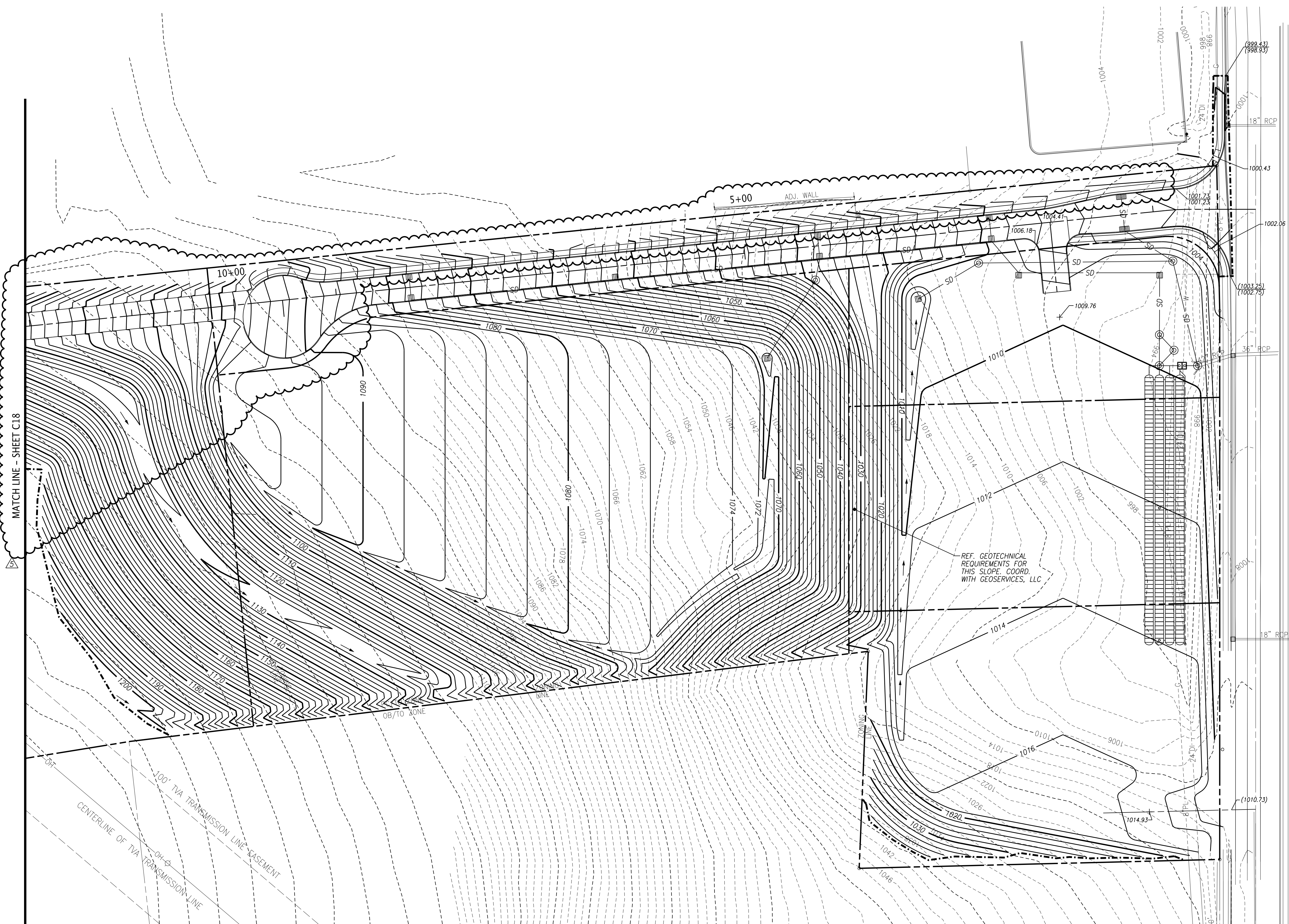
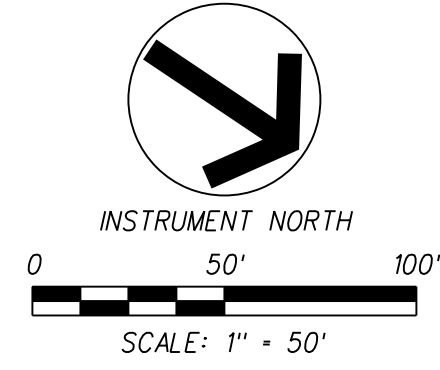
HORIZONTAL CURVE DATA TABLE

CURVE NO.	P.I. COORDINATES		DELTA ANGLE	RADIUS	TANGENT	LENGTH
	NORTHING	EASTING				
C-1	591,591.6095	2,511,901.2108	5'48"08" LT	250.00	12.67	25.32

6-SB-17-C
Revised: 5/18/2017

- LEGEND:**
- ASPHALT PAVEMENT
 - CONCRETE PAVEMENT
 - PROPERTY LINE
 - ROAD CENTER LINE
 - BUILDING SETBACK
 - EXISTING WATER LINE
 - EXISTING GAS LINE
 - LOT NUMBER
 - SINGLE SOLID WHITE LINE

BENCHMARK
IRON PIN
N 591.920.8668
E 2,512,313.9365
EL. 1011.19



GRADING NOTES:

- UNLESS NOTED OTHERWISE, THE PROPOSED GRADES SHOWN ON THESE DRAWINGS ARE FINISHED GRADE. EXISTING AND PROPOSED CONTOURS ARE SHOWN AT 2-FT. INTERVALS.
- THE ACCURACY OF THE GRADES IS DEPENDANT ON THE DATA PROVIDED BY THE OWNER OR OWNER'S REPRESENTATIVE. FIELD VERIFY AS NECESSARY PRIOR TO CONSTRUCTION.
- THE SITE SHALL BE CLEARED AND GRUBBED WITHIN THE LIMITS OF EXCAVATION. COMPLETELY DISPOSE OF ALL MATERIALS RESULTING FROM CLEARING AND GRUBBING OFF-SITE. BURNING SHALL NOT BE PERMITTED UNLESS PRIOR APPROVAL IS OBTAINED BY THE LOCAL FIRE DEPARTMENT. THE CONTRACTOR MUST OBTAIN A PERMIT AND MEET ALL OF THE REQUIREMENTS AS SPECIFIED BY THE FIRE DEPARTMENT.
- ALL TREES STUMPS, BOULDERS, AND OTHER OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH OF 2 FT BELOW THE SUBGRADE. ROCK SHALL BE SCARIFIED TO DEPTH OF 1 FT BELOW SUBGRADE.
- STRIP TOPSOIL FULL DEPTH (6-IN. MIN.) AND TEMPORARILY STOCKPILE EXCAVATED MATERIALS. INSTALL SILT FENCE OR OTHER APPROPRIATE EROSION CONTROL STRUCTURES ON THE DOWN HILL SIDE OF THE STOCKPILE.
- PROOF ROLL ALL AREAS TO RECEIVE FILL. PROOF ROLL WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK USING A CROSS-CROSS PATTERN (4 PASSES MIN.) AREAS FAILING THE PROOF ROLLING SHALL BE UNDERCUT AND BACKFILLED USING AN ENGINEERED FILL OR STABILIZED BY A METHOD APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER.
- AREAS THAT EXHIBIT WEAK SOIL OR OTHERWISE UNSUITABLE CONDITIONS SHALL BE UNDERCUT TO A FIRM LEVEL OF SOIL FOLLOWED BY BACKFILLING THE UNDERCUT AREAS USING AN ENGINEERED FILL, TDOT NO. 57, OR TDOT NO. 67 STONE.
- FILL MATERIAL SHALL BE SATISFACTORY MATERIAL FREE FROM ROOTS AND OTHER ORGANIC MATERIAL, FROZEN MATERIAL, AND TRASH. FILL MATERIAL SHALL ALSO BE FREE OF STONE OR OTHER MATERIAL LARGER THAN 6 IN. AND LARGER THAN 4 IN. IN THE TOP 6 IN. OF AN EMBANKMENT.
- FILL SOILS SHALL HAVE A PI LESS THAN 30 & A MAXIMUM DRY DENSITY OF 90 PCF OR GREATER.
- UNSATISFACTORY SOILS INCLUDE MATERIALS THAT ARE TOO WET OR TOO SOFT, EXPANSIVE SOILS AND SOILS CLASSIFIED PT, OH, AND OL. LEGALLY DISPOSE OF UNSATISFACTORY SOILS OFF-SITE UNLESS OTHERWISE APPROVED BY THE OWNER OR GEOTECHNICAL ENGINEER.
- FILL MATERIAL SHALL BE PLACED IN LOOSE, HORIZONTAL LIFTS NOT EXCEEDING 8 IN. THICKNESS. COMPACT EACH LAYER TO AT LEAST 98% MAXIMUM DRY DENSITY. COMPACT THE UPPER 24 IN. OF FILL BENEATH PAVEMENTS AND THE UPPER 12 IN. BENEATH BUILDING SLABS TO 100% MAXIMUM DRY DENSITY. MAINTAIN THE MOISTURE CONTENT TO WITHIN -1 TO +3 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
- A 6 IN. (MIN.) LAYER OF TOPSOIL SHALL BE PLACED OVER THE AREAS TO BE SEEDED AND TO THE FINISH GRADE ELEVATIONS AS SHOWN ON THE DRAWINGS.
- DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS OR POND ON-SITE. PROVIDE NECESSARY MEASURES TO KEEP THE SITE FREE-DRAINING.
- NO SLOPE SHALL EXCEED 2:1 UNLESS PROPER SLOPE STABILIZATION MEASURES ARE IMPLEMENTED.
- PROTECT AND MAINTAIN SUBGRADES UNTIL PLACEMENT OF THE FINAL SURFACE IS ACHIEVED.
- CONTRACTOR IS RESPONSIBLE TO ASSURE THAT THE FINISHED GRADES CONFORM WITH THE DETENTION POND DESIGN PARAMETERS, ONCE GRADING IS COMPLETE AND PRIOR TO FINAL SEEDING, SUBMIT AN AS-BUILT SURVEY FOR THE OWNER'S REVIEW.
- VERIFY GRADES WHEREVER NECESSARY TO BRING THE PROPOSED LINES, ELEVATIONS, SLOPES, AND CROSS-SECTIONS OF THE GRADING WORK TO WITHIN THE FOLLOWING TOLERANCES ABOVE OR BELOW THAT AS SHOWN ON THE PLANS: SUBGRADE 0.1', UNPAVED AREAS 0.1', SIDEWALKS 0.10', PAVEMENTS 0.04', AND BUILDINGS 0.04'.
- SLOPES GREATER THAN 4:1 SLOPE AT A HEIGHT GREATER THAN 6-FT SHALL BE TESTED BY THE PROJECT GEOTECHNICAL ENGINEER TO DETERMINE STABILITY.
- DISTURBED AREAS SHALL BE STABILIZED IN AN EXPEDITIOUS MANNER TO MINIMIZE TIME OF EXPOSURE TO WEATHER.

6-SB-17-C
Revised: 5/18/2017

LEGEND:

---	LIMITS OF DISTURBANCE
-----	PROPOSED CONTOUR
-----	EXISTING CONTOUR
1000.00	PROPOSED SPOT ELEVATION
(1000.00)	EXISTING SPOT ELEVATION
1000.00	TOP CURB/TOP PVMT.
1000.00	



10330 HARDIN VALLEY ROAD
SUITE 201
KNOXVILLE, TN 37932
OFFICE: 865.690.6419
FAX: 865.690.6448
www.fulghummacindoe.com



PALMER SUBDIVISION
10810 HARDIN VALLEY ROAD
KNOXVILLE, TENNESSEE 37932

HARDIN VALLEY LAND PARTNERS, LLC
10784 HARDIN VALLEY ROAD
KNOXVILLE, TN 37932
CONTACT: RUSTY BITTLE
TELEPHONE NO.: 865.670.7426
EMAIL: RUSTY@HARDINVALLEYLAND.COM

SITE GRADING PLAN

PROJ. MGR.	DESIGNED BY	DRAWN BY	JCM	Date
WCF	WCF	WCF	05/17/17	
WCF	WCF	WCF	04/19/17	
WCF	WCF	WCF	08/11/16	
WCF	WCF	WCF	05/23/16	
WCF	WCF	WCF	03/28/16	

Project	548.002	Sheet	C5
Date	02/18/16	Scale	1"=50'

File Name: J:\548\548.002\DWG\548002C005.dgn
Plot Date: 5/17/2017



10330 HARDIN VALLEY ROAD
SUITE 201
KNOXVILLE, TN 37932
OFFICE: 865.690.6419
FAX: 865.690.6448
www.fulghummacindoe.com



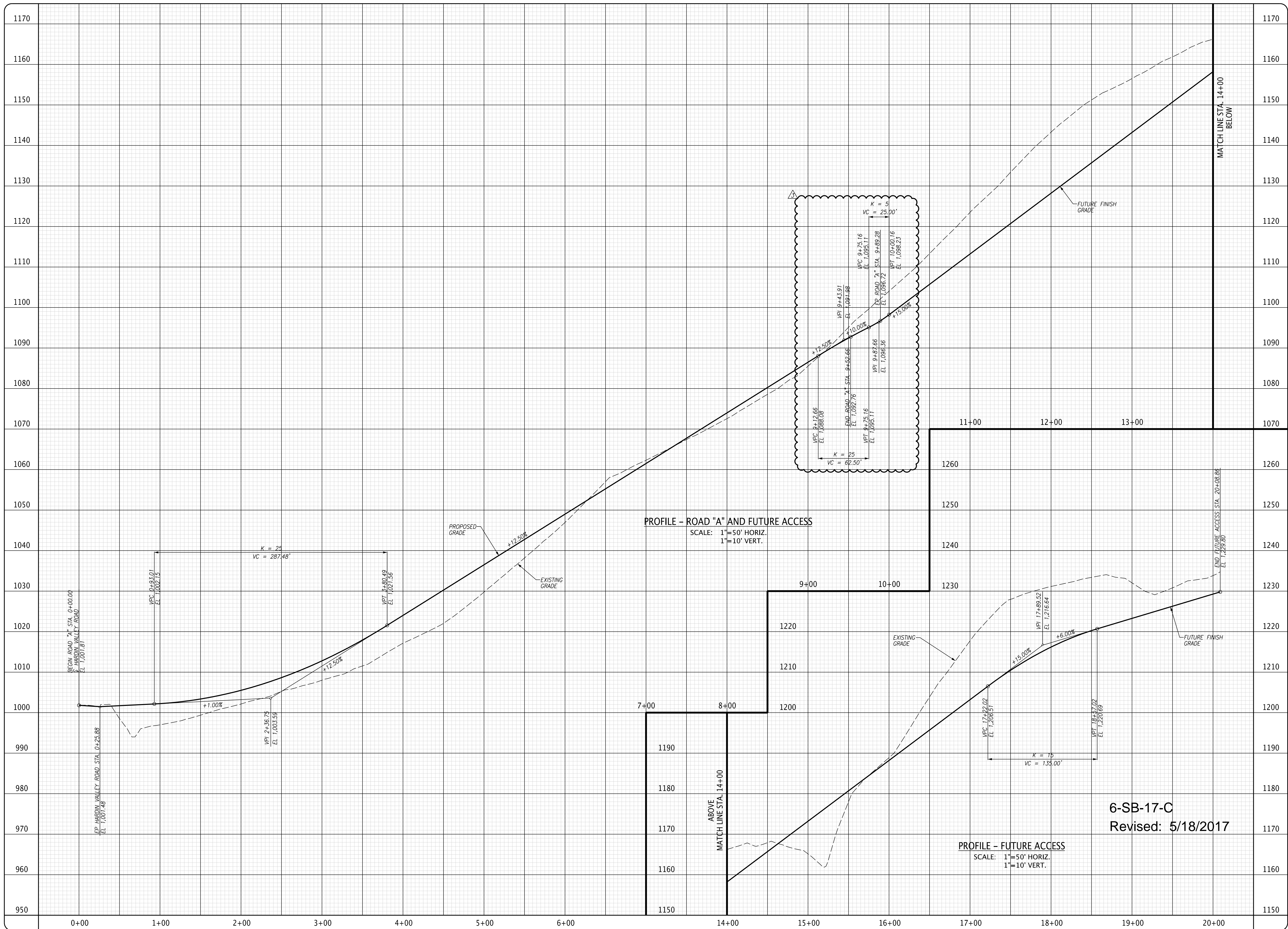
PALMER SUBDIVISION
10810 HARDIN VALLEY ROAD
KNOXVILLE, TENNESSEE 37932

HARDIN VALLEY LAND PARTNERS, LLC
10784 HARDIN VALLEY ROAD
KNOXVILLE, TN 37932
CONTACT: RUSTY BITTLE
TELEPHONE NO.: 865.670.7426
EMAIL: RUSTY@HARDINVALLEYLAND.COM

ROAD PROFILE

PROJ. MGR.	DESIGNED BY	DRAWN BY	Date
3	WCF	JCM	05/17/17
4	WCF	WCF	04/11/17
5	WCF	WCF	08/11/16
6	WCF	WCF	02/18/16

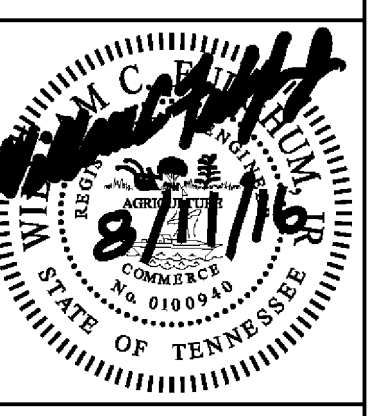
Project	548.002
Date	02/18/16
Scale	AS NOTED
Sheet	C11



File Name: J:\548\548.002\DWG\548002C11.dgn
Plot Date: 5/17/2017



10330 HARDIN VALLEY ROAD
SUITE 201
KNOXVILLE, TN 37932
OFFICE: 865.690.6419
FAX: 865.690.6448
www.fulghummacindoe.com



PALMER SUBDIVISION
108.10 HARDIN VALLEY ROAD
KNOXVILLE, TENNESSEE 37932

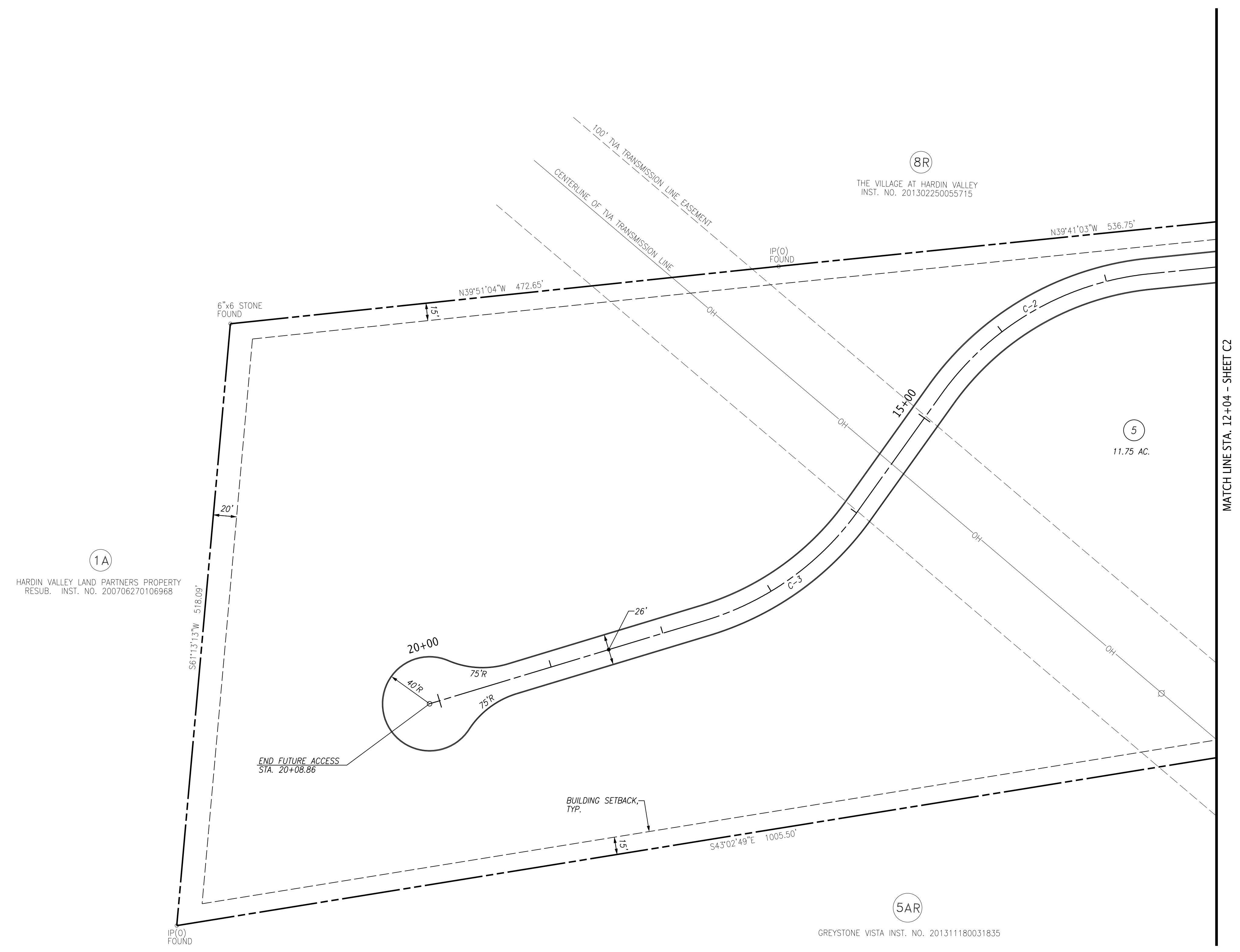
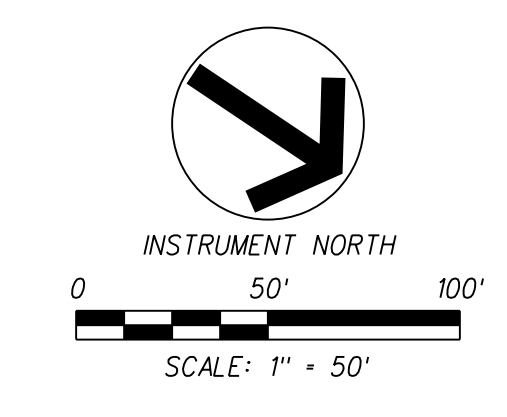
HARDIN VALLEY LAND PARTNERS, LLC
10784 HARDIN VALLEY ROAD
KNOXVILLE, TN 37932
CONTACT: RUSTY BITTLE
TELEPHONE NO.: 865.670.7426
EMAIL: RUSTY@HARDINVALLEYLAND.COM

SITE LAYOUT PLAN

PROJ. MGR.	DESIGNED BY	DRAWN BY	Date
	WCF	JCM	08/11/16
ISSUED FOR CONSTRUCTION			Revision/Issue
No.			

Project	Sheet
548.002	C15
Date	Scale
08/11/16	1"=50'

NOTES:
1. REFER TO C2 FOR GENERAL NOTES AND LEGEND.



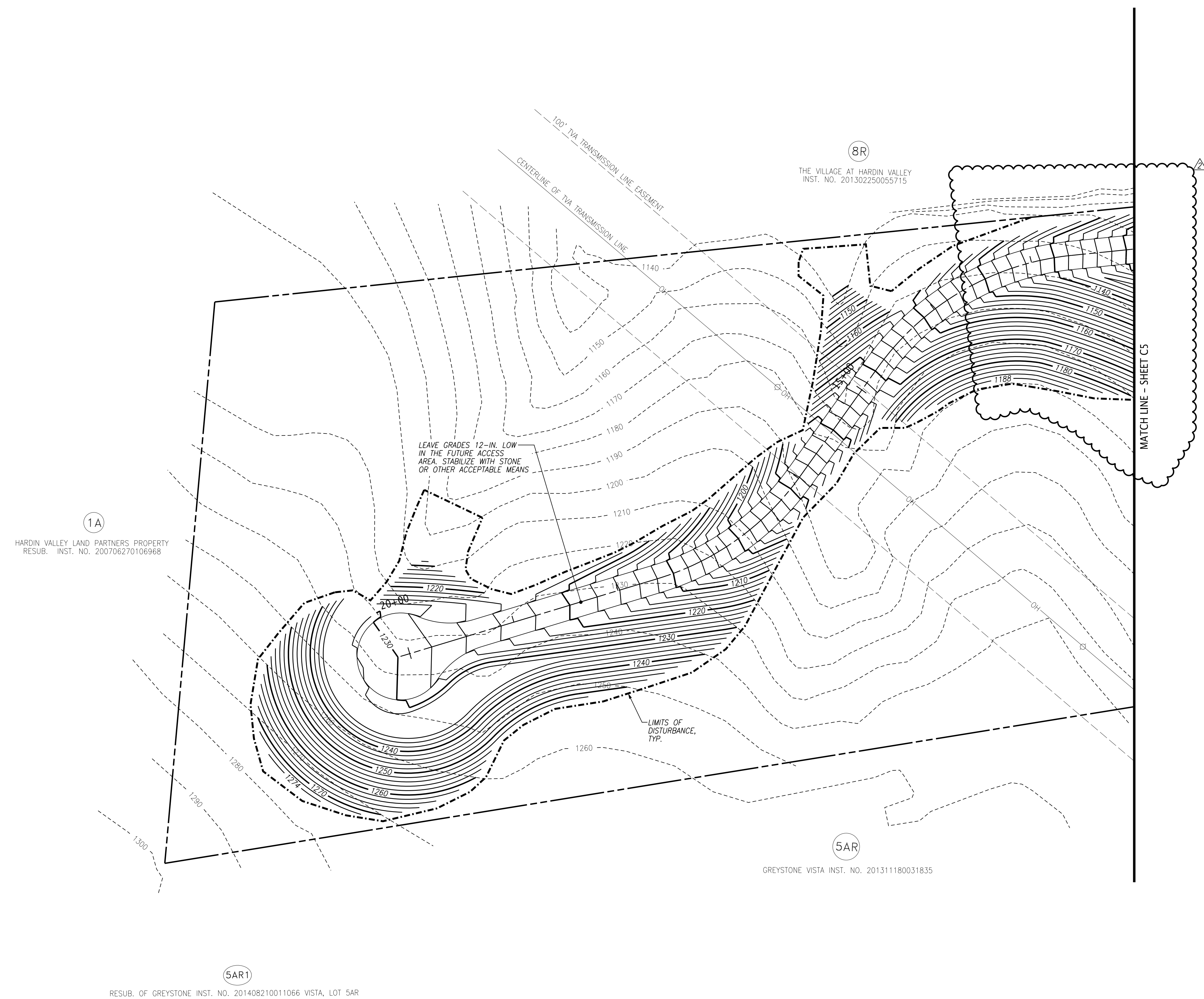
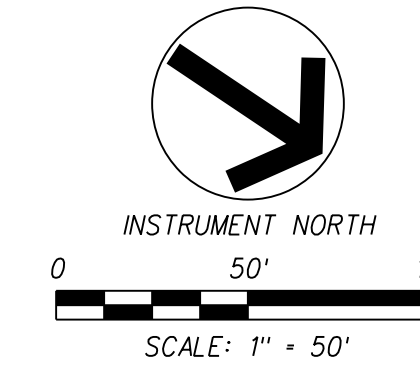
6-SB-17-C
Revised: 5/18/2017

CURVE NO.	P.I. COORDINATES		DELTA ANGLE	RADIUS	TANGENT	LENGTH
	NORTHING	EASTING				
C-2	590,590.8664	2,512,731.3349	48°38'53" LT	250.00	113.01	212.27
C-3	590,581.4797	2,513,052.1241	37°37'29" RT	250.00	85.17	164.17

(5AR1)
RESUB. OF GREYSTONE INST. NO. 201408210011066 VISTA, LOT 5AR

File Name: J:\548\548.002\DWG\548002c15.dgn
Plot Date: 8/11/2016

GRADING NOTES:
 1. REFER TO C2 FOR GRADING NOTES AND LEGEND.



6-SB-17-C
 Revised: 5/18/2017



10330 HARDIN VALLEY ROAD
 SUITE 201
 KNOXVILLE, TN 37932
 OFFICE: 865.690.6419
 FAX: 865.690.6448
 www.fulghummacindoe.com



PALMER SUBDIVISION
 10810 HARDIN VALLEY ROAD
 KNOXVILLE, TENNESSEE 37932

HARDIN VALLEY LAND PARTNERS, LLC
 10784 HARDIN VALLEY ROAD
 KNOXVILLE, TN 37932
 CONTACT: RUSTY BITTLE
 TELEPHONE NO.: 865.670.7426
 EMAIL: RUSTY@HARDINVALLEYLAND.COM

SITE GRADING PLAN

PROJ. MGR.	DESIGNED BY	DRAWN BY	JCM
	WCF	WCF	
	WCF		
REVISIONS	DATE	BY	REASON
1	05/17/17	JCM	REVISED PER CUL-DE-SAC
2	04/19/17		REVISED PER CUL-DE-SAC
3	08/11/16		ISSUED FOR CONSTRUCTION

Project	548.002
Date	08/11/16
Scale	1"=50'
Sheet	C18

File Name: J:\548\548.002\DWG\548002C18.dwg
 Plot Date: 5/17/2017

© 2015 FULGHUM MACINDOE & ASSOCIATES, INC. THIS DOCUMENT SHALL NOT BE LOANED, COPIED, REPRODUCED, TRANSFERRED TO MAGNETIC MEDIA OR SOLD AND IS MAINTAINED AS AN INSTRUMENT OF SERVICE AND SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT.