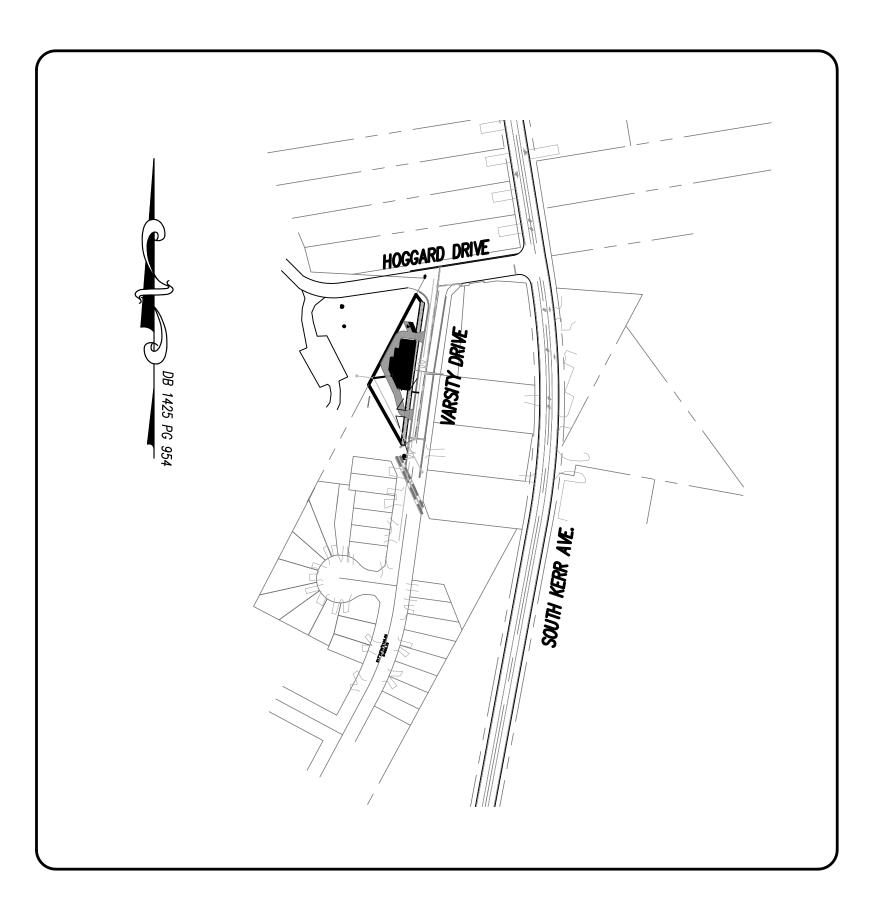
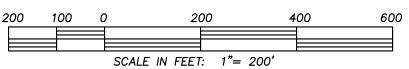
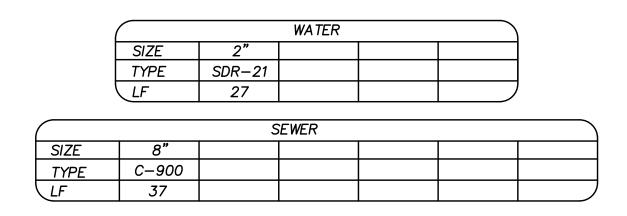




LOCATED IN CITY OF WILMINGTON NEW HANOVER COUNTY, NORTH CAROLINA

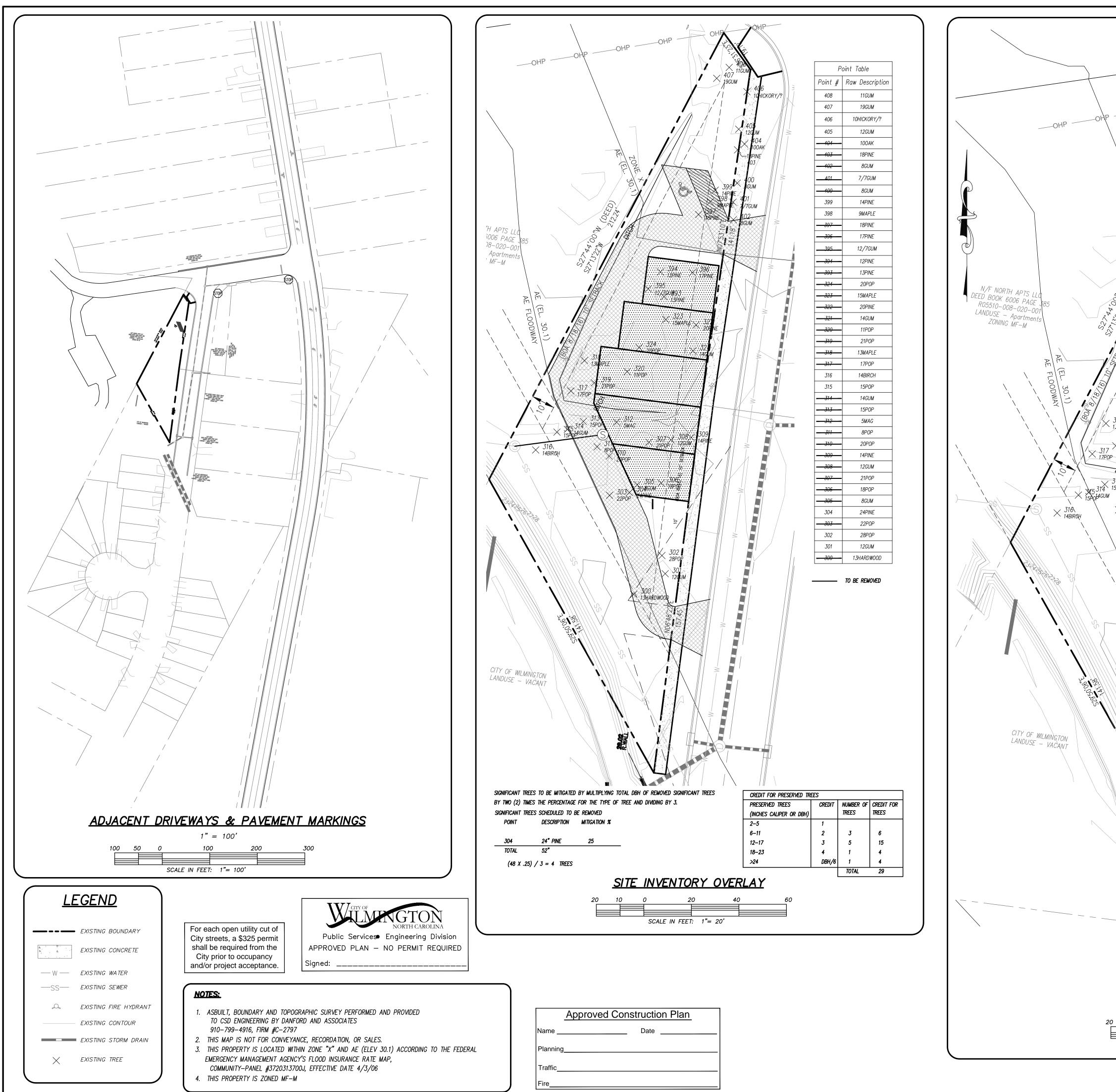




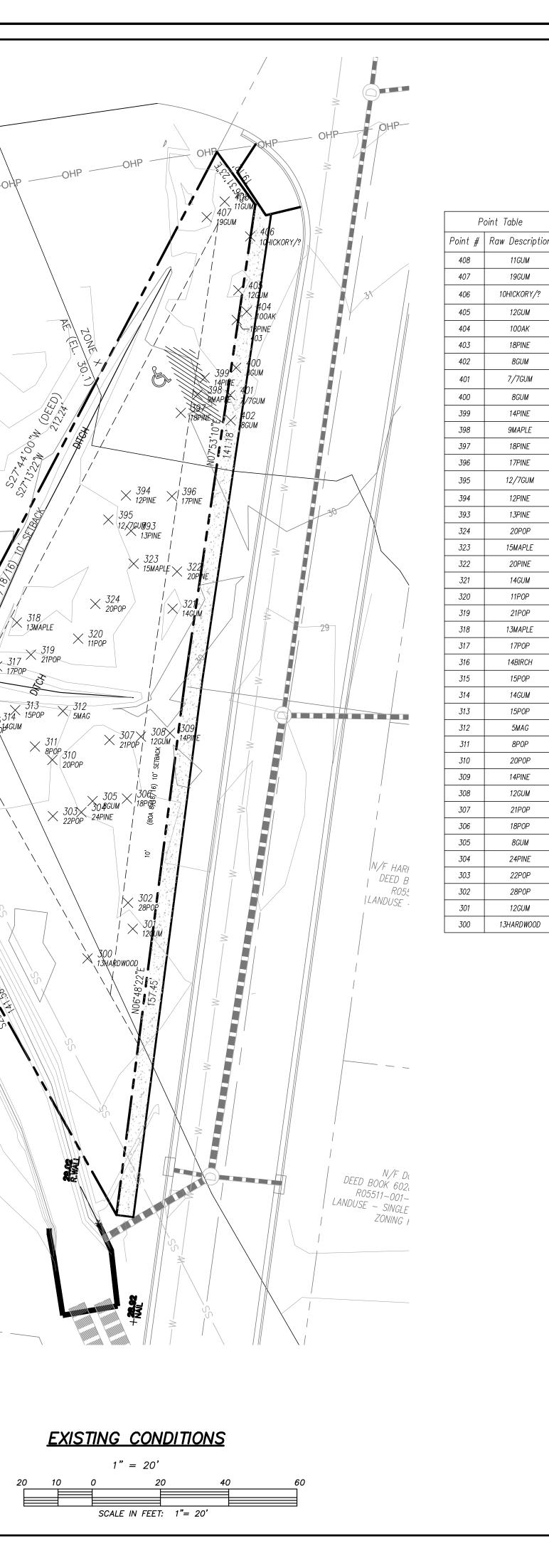


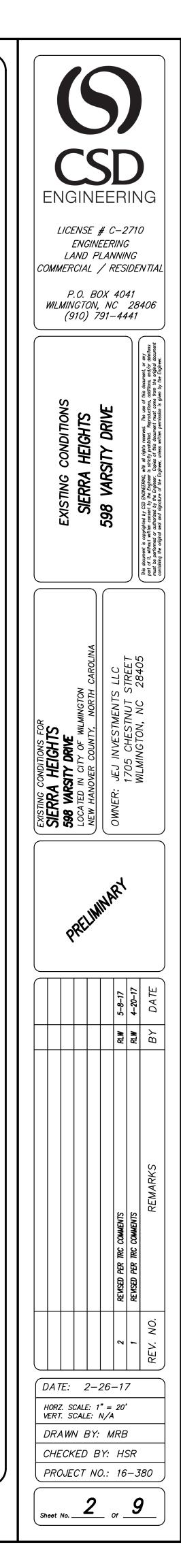
	INDEX TO DRAWINGS	
SHEET No.	DESCRIPTION	DRAWING No.
1 OF 9	COVER SHEET	CD_COVER
2 OF 9	EXISTING BOUNDARY AND TOPOGRAPHY, ADJACENT TRAFFIC	CD_EX-COND
3 OF 9	SITE PLAN	SITE_PLAN
4 OF 9	CITY OF WILMINGTON CONSTRUCTION DETAILS	SP_DET-1
5 OF 9	CITY OF WILMINGTON CONSTRUCTION DETAILS	SP_DET-2
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7 OF 9	CFPUA STANDARD WATER DETAILS	WSD-1
8 OF 9	CFPUA STANDARD WATER DETAILS	WSD-2
9 OF 9	CFPUA STANDARD SEWER DETAILS	SSD-2

Δ	1 Occuption Dian	For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.	(S)
	Approved Construction Plan		
	Date	NORTH CAROLINA	ENGINEERING
nning		Public Services Engineering Division	LICENSE # C-2710
ffic		APPROVED PLAN - NO PERMIT REQUIRED Signed:	ENGINEERING
)		Signed:	LAND PLANNING COMMERCIAL / RESIDENTIAL
	NOTES:		P.O. BOX 4041
	1. ASBUILT, BOUNDARY AND TOPOGRAPH	IC SURVEY PERFORMED AND PROVIDED	WILMINGTON, NC 28406 (910) 791–4441
		SSOCIATES, 4002 1/2 OLEANDER DRIVE	
	2. THIS MAP IS NOT FOR CONVEYANCE, I	RECORDATION, OR SALES.	or any or detations inter.
: ا	3. THIS PROPERTY IS LOCATED WITHIN ZO ACCORDING TO THE FEMA FLOOD INSU		document, loss and/or by the Engl
	3720313700J, EFFECTIVE DATE 4/3/0		se of this ( tions, odd)
, i i i i i i i i i i i i i i i i i i i	4. THIS PROPERTY IS ZONED MF-M 5. CFPUA WATER		HIONS HTS Remedicional Permission is 9
6	6. CFPUA SEWER		
′	7. ALL CONSTRUCTION TO CONFORM TO APPLICABLE STATE & LOCAL CODES.		TING COND TRNG COND TRRA HEIG VARSITY [ VARSITY [ Nonterence, copies of this of the forgineer, unless write ne of the Engineer, unless write
6	8. CONTRACTOR TO COORDINATE ANY RE CITY OF WILMINGTON AND OR NCDOT.	QUIRED TRAFFIC CONTROL WITH	XISTING SIERRA 38 VAR9 by CSD ENGINERING, w by CSD ENGINERING, w seart by the Engineer of a signature of the Engineer
ç	9. CARE SHALL BE TAKEN DURING FINAL		EXISTING EXISTING SIERRA 598 VAR
	DRAINAGE AWAY FROM BUILDINGS AND ROOF DRAIN DOWNSPOUTS TO BE CON		Copyrighted and a cuttor of authority of a cuttor of a
	STUBOUTS OR DIRECTED TO STREET/P	PARKING AREAS.	ument is ( it, without of the orig
	0. CONTRACTOR IS RESPONSIBLE FOR CO RE-ALIGNMENTS, DISCONNECTIONS OR	CONNECTIONS OF EXISTING	This dor port of must of contain
1	UTILITIES WITH APPLICABLE AUTHORITIE 11. CLEARING AND GRUBBING OF SITE TO	ES.	
	CURB, ASPHALT, INLETS, AND ANY OT	THER STRUCTURES INCLUDING TREES,	
	STUMPS AND DEBRIS EXISTING ON SITU CLEARED FOR CONSTRUCTION SHALL F		
1	12. INFORMATION CONCERNING UNDERGROU	UND UTILITIES WAS OBTAINED FROM	CAROLINA LLC TREE T 28405
	AVAILABLE RECORDS. IT SHALL BE TO CONTRACTOR TO DETERMINE THE EXAC	CT ELEVATIONS AND LOCATIONS	
	OF ALL EXISTING UTILITIES AT ALL CR TRENCH EXCAVATION. IF ACTUAL CLEA		C C STON
	ON PLAN, THE CONTRACTOR SHALL C	ONTACT THE DESIGN ENGINEER BEFORE	S TMEN ON, NU
	PROCEEDING WITH CONSTRUCTION. AN THAT WOULD NECESSITATE A MODIFICA	NY CONDITION DISCOVERED OR EXISTING ATION OF THESE PLANS SHALL BE	CHES
	BROUGHT TO THE ATTENTION OF THE	DESIGN ENGINEER BEFORE PROCEEDING	
1	WITH CONSTRUCTION. 13. NO CONSTRUCTION IS TO BEGIN BEFOR		
	UTILITIES HAS BEEN DETERMINED. CAL 48 HOURS BEFORE COMMENCING CONS		EXISTING SIERRA 598 VAR LOCATED NEW HAN OWNER:
1	14. CONTRACTOR SHALL ADJUST ALL MAN	IHOLES, VALVE & CURB BOXES TO	
	FINAL GRADE UPON COMPLETION OF A DAMAGED OR OTHERWISE DISTURBED I	BY THE CONTRACTOR SHALL BE	
,	REPAIRED AT THE EXPENSE OF THE C 15. THE CONTRACTOR IS RESPONSIBLE FO	CONTRACTOR.	
	DURING CONSTRUCTION AT HIS EXPEN	ISE. PARKING AREAS SHALL BE	PRELIMINARY
	WATERED TO CONTROL DUST WHEN OF 16. NO GEOTECHNICAL TESTING HAS BEEN	N PERFORMED ON SITE. NO	FIM
	WARRANTY IS MADE FOR SUITABILITY AND ANY REQUIRED REPLACEMENT W	OF SUBGRADE, AND UNDERCUT	6kr
	BE THE RESPONSIBILITY OF THE CONT	TRACTOR.	
Ĩ	17. CONTRACTOR TO ENSURE THAT PAVEN POSITIVELY TO THE STREET INLETS AN	MENT IS PLACED SO AS TO DRAIN ND CATCH BASINS. ALL FUTURE ROOF	
	DRAIN DOWNSPOUTS TO BE DIRECTED	TO THE STORM DRAINAGE STUBOUTS.	<del>5-8-17</del> 4-20-17 DA TE
	18. CONTRACTOR IS RESPONSIBLE FOR OE 19. THIS PLAN IS FOR SITE GRADING, UTIL		
	SEE BUILDING PLANS FOR DETAILED H	HOOKUPS TO BUILDINGS, ETC.	RUW BY
4		UILDINGS WITH THE OWNER. ELEVATIONS	
		ONS AT THE BUILDING SITE AND DO NOT	
	SHOWN ON PLANS. 21. AFFECTED NON-MUNICIPAL UTILITIES S		
-	WITH PLANS AND OTHER PERTINENT IN	NFORMATION, WHEN FEASIBLE, TO	
	COORDINATE APPROPRIATE SCHEDULIN		
2	22. EXTREME CARE SHALL BE TAKEN TO I	TNISHRE MINIMUM SEPARATIONS	<u>၂၂၂၂၂၂၂၂၂၂</u>
			ARKS
	22. EXTREME CARE SHALL BE TAKEN TO I AT ALL UTILITY CROSSINGS. 23. MINIMUM SEPARATION SHALL BE MAIN a. HORIZONTAL SEPARATION OF 10 F	TAINED AS FOLLOWS: FEET BETWEEN SANITARY SEWER AND	REMARK
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	22. EXTREME CARE SHALL BE TAKEN TO D AT ALL UTILITY CROSSINGS. 23. MINIMUM SEPARATION SHALL BE MAIN a. HORIZONTAL SEPARATION OF 10 F WATER MAINS AND STORM SEWER b. WHERE VERTICAL CLEARANCE IS L	TAINED AS FOLLOWS: FEET BETWEEN SANITARY SEWER AND 2. LESS THAN 24" BETWEEN SANITARY EWER LINE CROSSES ABOVE WATER	REMARK
	<ol> <li>EXTREME CARE SHALL BE TAKEN TO I AT ALL UTILITY CROSSINGS.</li> <li>MINIMUM SEPARATION SHALL BE MAIN a. HORIZONTAL SEPARATION OF 10 F WATER MAINS AND STORM SEWER.</li> <li>b. WHERE VERTICAL CLEARANCE IS L SEWER AND WATER OR WHERE SE MAIN, BOTH PIPES SHALL BE DUC OF 10' EITHER SIDE OF CROSSING</li> </ol>	TAINED AS FOLLOWS: FEET BETWEEN SANITARY SEWER AND 2. LESS THAN 24" BETWEEN SANITARY EWER LINE CROSSES ABOVE WATER CTILE IRON PIPE FOR A MINIMUM 5.	PER TRC COMMENTS PER TRC COMMENTS PER TRC COMMENTS REMARK
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2	<ol> <li>EXTREME CARE SHALL BE TAKEN TO A AT ALL UTILITY CROSSINGS.</li> <li>MINIMUM SEPARATION SHALL BE MAIN a. HORIZONTAL SEPARATION OF 10 F WATER MAINS AND STORM SEWER b. WHERE VERTICAL CLEARANCE IS L SEWER AND WATER OR WHERE SE MAIN, BOTH PIPES SHALL BE DUC OF 10' EITHER SIDE OF CROSSING c. WHERE VERTICAL CLEARANCE IS L SEWER AND STORM DRAIN, SANIT, PIPE FOR A MINIMUM OF 10 FEET d. WHERE VERTICAL CLEARANCE IS L SEWER AND STORM DRAIN, SANIT, PIPE FOR A MINIMUM OF 10' EITH SHALL BE INSTALLED PER APPLIC e. IN NO CASE SHALL THERE BE LES OUTSIDE OF WATER MAIN AND OU f. MINIMUM COVER OF 36" SHALL BE MAINS AND SANITARY SEWER MAI 24. SEE DETAIL SHEETS FOR TYPICAL UT 25. ALL WATER MAINS TO BE 8" UNLESS</li> </ol>	TAINED AS FOLLOWS: FEET BETWEEN SANITARY SEWER AND C. LESS THAN 24" BETWEEN SANITARY EWER LINE CROSSES ABOVE WATER CTILE IRON PIPE FOR A MINIMUM C. LESS THAN 24" BETWEEN SANITARY FARY SEWER SHALL BE DUCTILE IRON T EITHER SIDE OF CROSSING. LESS THAN 12" BETWEEN SANITARY FARY SEWER SHALL BE DUCTILE IRON HER SIDE OF CROSSING, AND BRIDGING CABLE UTILITY AUTHORITY'S DETAILS. SS THAN 18" OF SEPARATION BETWEEN JTSIDE OF SEWER OR STORM DRAINAGE. E PROVIDED FOR ALL BURIED WATER INS. FILITIES HOOKUPS. 8" UNLESS OTHERWISE INDICATED. 5 OTHERWISE INDICATED.	BATE:       2-26-17         HORZ. SCALE:       1" = 200'         VERT.       SCALE:         NA         DRAWN       BY:         MRB         CHECKED       BY:         HSR
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	Approved Construction Plan
Name	Date
Planning	
Traffic_	
Fire	





11GUM

19GUM

12GUM

100AK

18PINE

8GUM

7/7GUM

8GUM

14PINE

9MAPLE

18PINE

17PINE

12PINE

13PINE

20POP

20PINE

14GUM

11POP

21POP

17POP

14BIRCH

15P0P

14GUM

15POP

5MAG

8POP

20POP

14PINE

12GUM

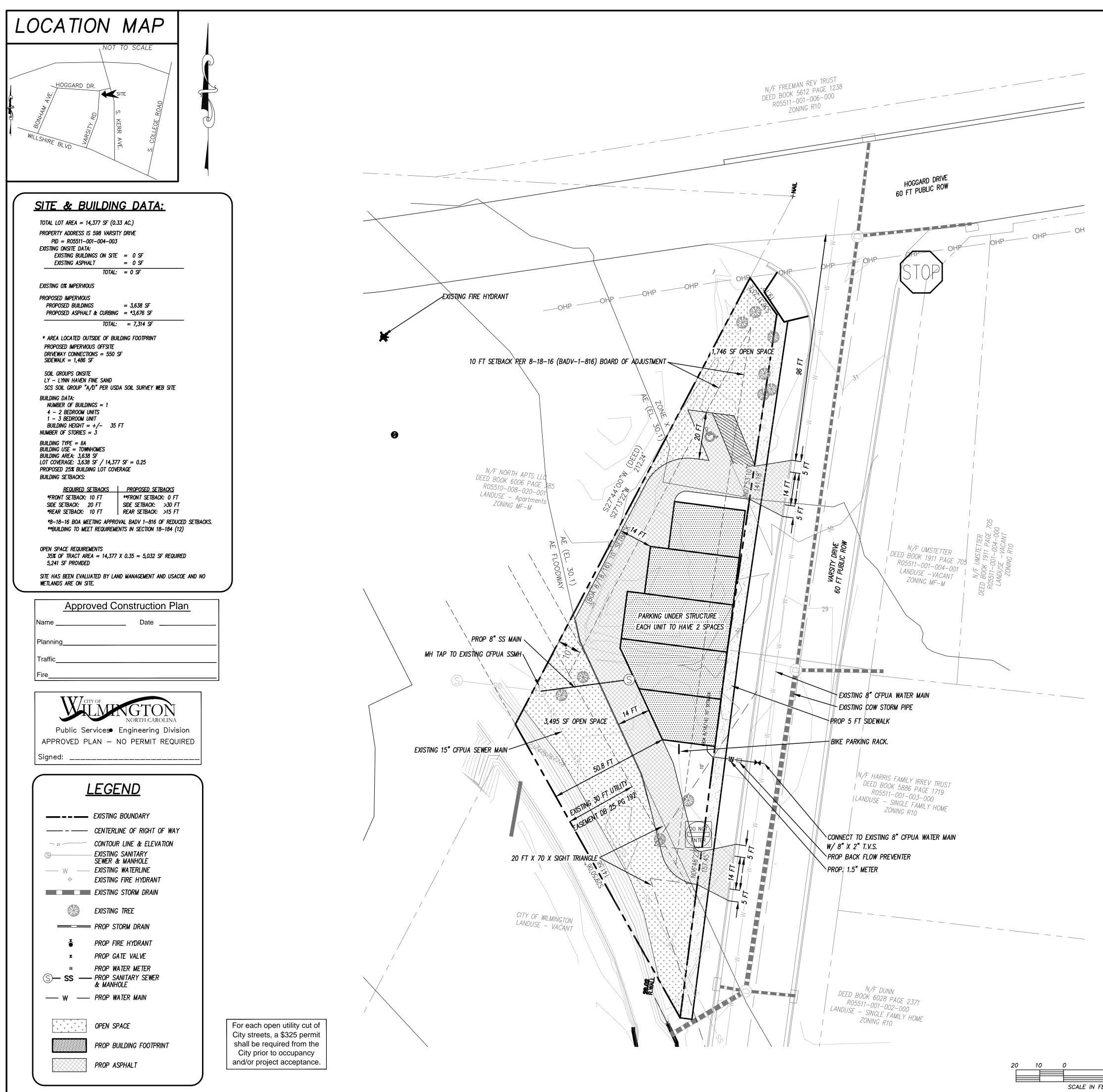
21POP

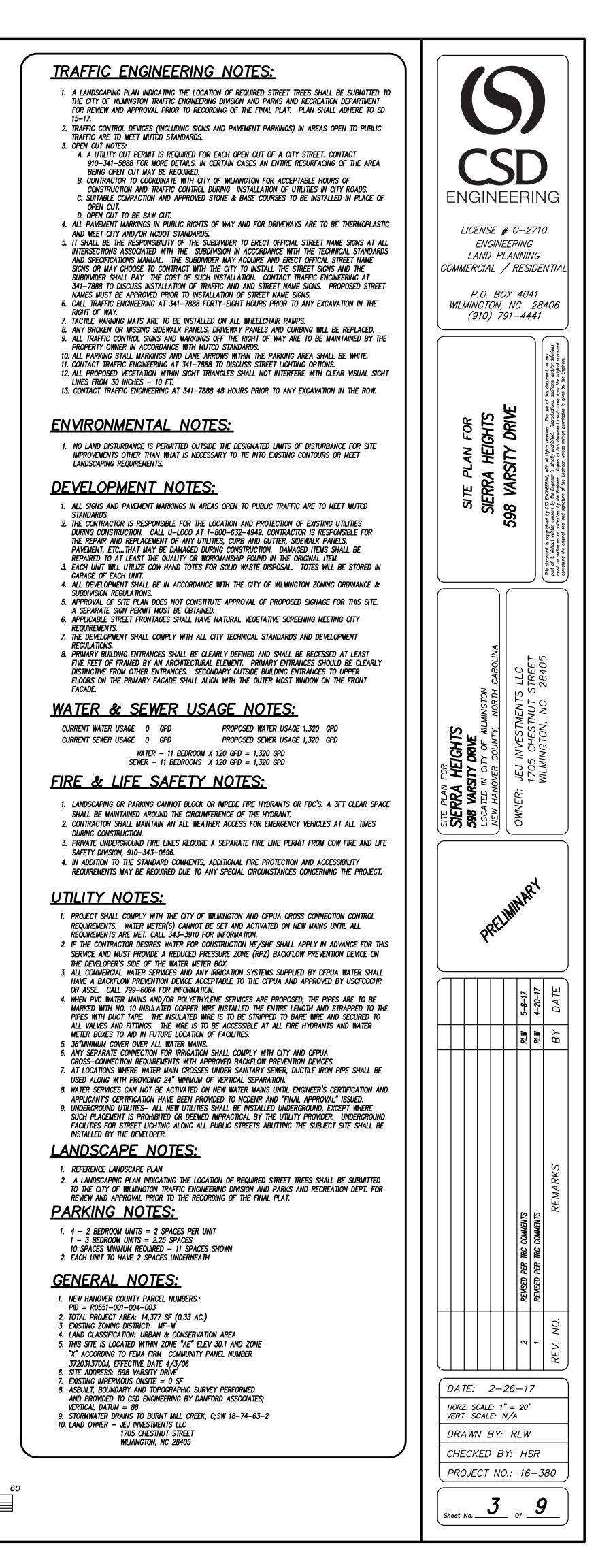
18POP

8GUM

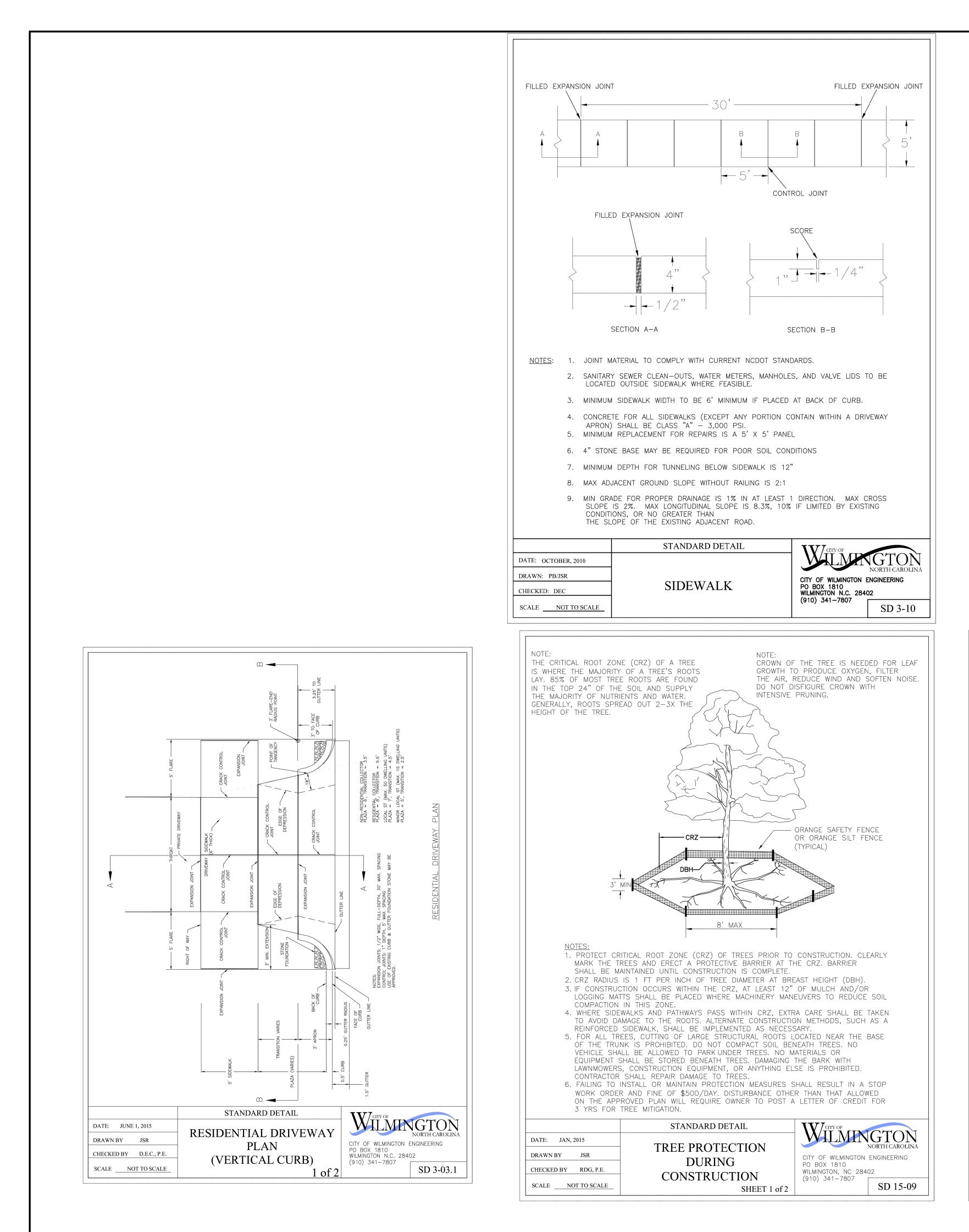
24PINE

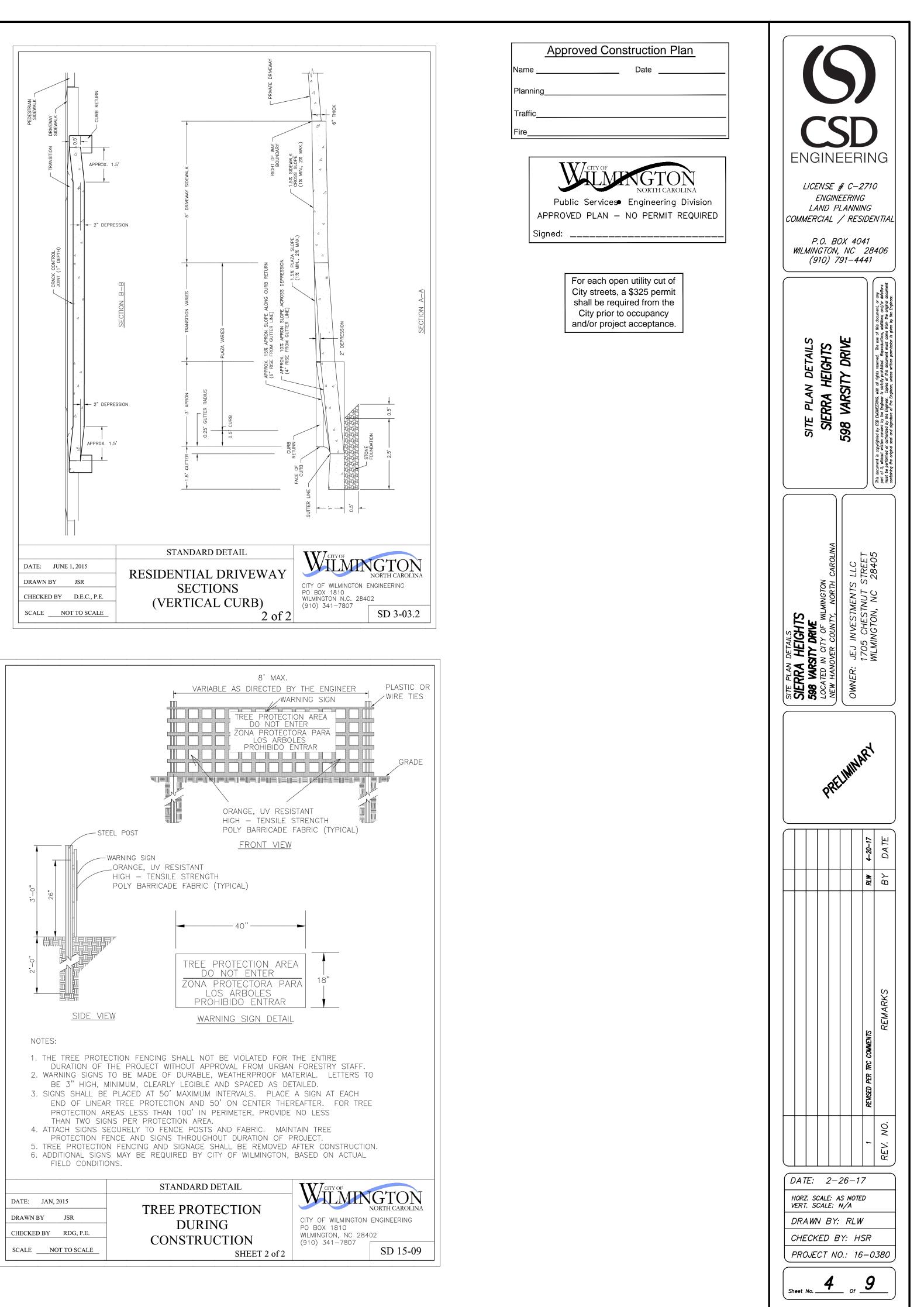
28POP

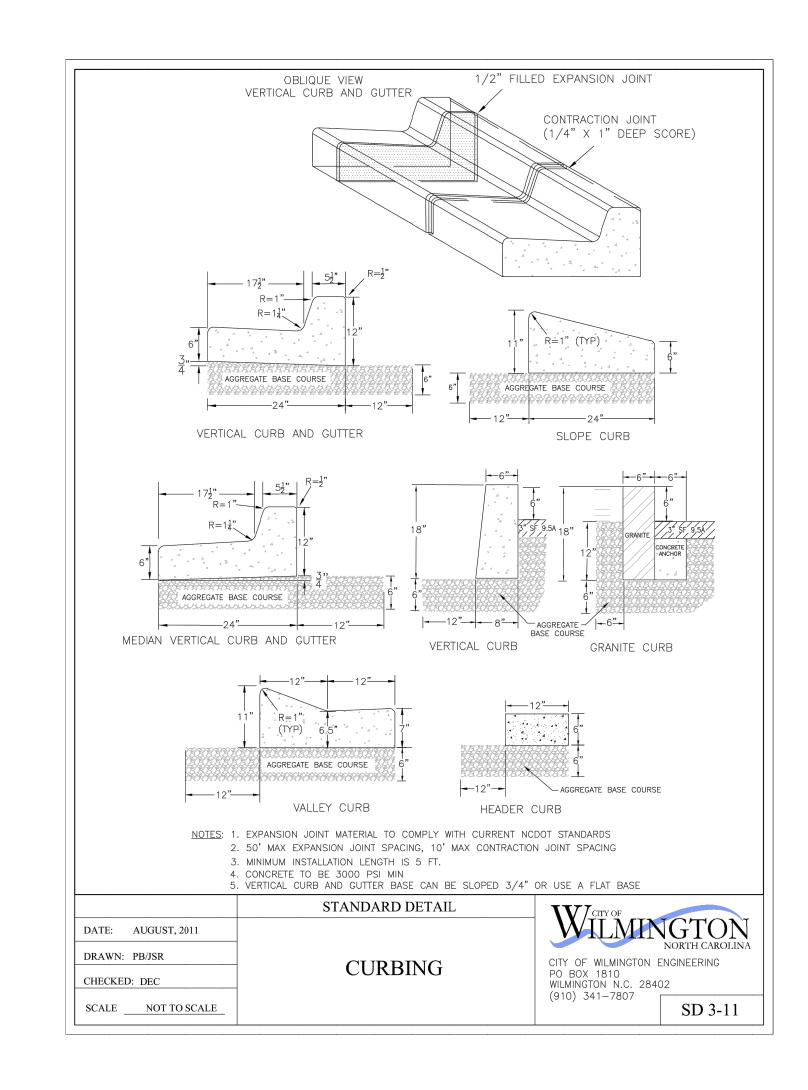


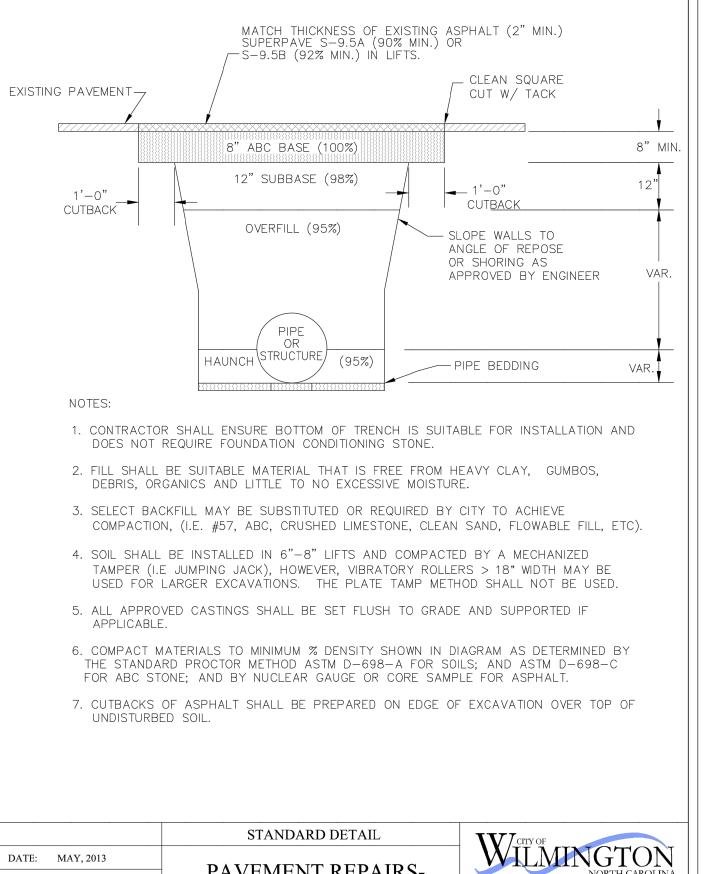


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DRAWN BY JSR CHECKED BY D.E.C., P.E. SCALE NOT TO SCALE PAVEMENT REPAIRS-

UTILITY CUTS

NORTH CAROLI CITY OF WILMINGTON ENGINEERING OFFICE 212 OPERATIONS CENTER DRIVE WILMINGTON N.C. 28412 (910) 341–7807 SD 1-05

Approved Construction Plan Date Public Services Engineering Division APPROVED PLAN - NO PERMIT REQUIRED | Signed: \_\_\_\_\_\_

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

SITE PLAN DETAILS SIE PLAN DETAILS SIE PLAN DETAILS SOB VARSITY DAVE LOCATED IN CITY OF WILMINGTON LOCATED IN CITY OF WILMINGTON LOCATED IN CITY OF WILMINGTON LOCATED IN CITY OF WILMINGTON SIE PLAN DETAILS SIE PLAN DETA	This document is copyrighted by CSD ENGNEERNG, with all rights reserved. The use of this document, or any new of it without writing concert by the Fondance is chirality conclusions anditions and or definitions.	al document
SITE PLAN DETAILS         SIERRA HEIGHTS         SIERRA HANOVER COUNTY, NORTH CAROLINA         OWNER: JEJ INVESTMENTS LLC         1705 CHESTINUT STREET	NC 28405	
	WILMINGTON, NC 28405	
		BY  DATE
		REMARKS
DATE: 2-26-17		REV. NO.